TOWNSHIP of HOPEWELL
MERCER COUNTY

201 WASHINGTON CROSSING – PENNINGTON ROAD
TITUSVILLE, NEW JERSEY 08560-1410

PROJECT / APPLICATION

BLOCK: 93

LOT: 19, 20, 45.01, 46, p/o 60

ADDRESS: 61 NURSERY RD., SCOTCH RD., NURSERY RD., NURSERY RD., 137 NURSERY RD.

PROJECT NAME: MAJOR SUBDIVISION, PRELIMINARY/FINAL AND SITE PLAN, PRELIMINARY/FINAL (VENUE AT HOPEWELL)

SWM PLANS

P.
1-6,000

OCTOBER 2025

STORMWATER MANAGEMENT REPORT

VENUE AT HOPEWELL

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY
BCG# 081391-01-001

Prepared for:

US Home, LLC
2465 Kuser Road, Third Floor
Hamilton, New Jersey 08690

Prepared by:

Bowman CONSULTING

3 Paragon Way, Suite 170
Freehold, New Jersey 07728
Phone: 732-665-5500
NJ Certificate of Authority 24GA28222600

Sean A. Delany,
New Jersey Professional Engineer
License No. 24GE04447100

September 30, 2025

STORMWATER MANAGEMENT REPORT
VENUE AT HOPEWELL
Township of Hopewell
Mercer County, New Jersey

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I. INTRODUCTION

This report has been prepared to describe and document (through engineering calculations and related technical data) the stormwater management system designed for a project known as Venue at Hopewell, which is proposed by Deer Valley Realty, Inc, upon Lots 19, 20, 45.01, 46 & 60 of Block 93 in the Township of Hopewell, Mercer County, New Jersey. This report accompanies a set of drawings entitled "Preliminary and Final Major Subdivision & Preliminary and Final Site Plan for Venue at Hopewell" which were prepared by Bowman Consulting Group, Ltd.; dated June 25, 2024, last revised June 16, 2025. The set of Preliminary and Final Major Subdivision & Preliminary and Final Site Plans illustrate the existing and proposed conditions upon the subject property, as well as provide details for the various stormwater management facilities described herein. Therefore, this report should be reviewed and considered in conjunction with the above referenced Site Plans.

A. Location and Description of Project Site

The subject property is known on the Township of Hopewell tax map as Block 93, Lots 19, 20, 45.01, 46 & 60, consisting of approximately 185.51 acres in total. The property fronts Nursery Road to the south and Scotch Road to the east with a combination of residential, farmland and undeveloped properties to the south and west.

With respect to soil conditions on the project site, the *NRCS Soil Survey for Mercer County, New Jersey* identifies many types of soils within the project limits. The NRCS Soils Resource Report is included in Appendix 1 of this report. The onsite soils identified were used in the hydrologic and hydraulic modeling for this report.

B. Project Description

The Venue at Hopewell project will include site improvements for the construction of 272 single-family home units, 118 duplex units, 120 COAH Affordable Housing units, and 90 MF-10 Affordable Housing units, for a total of 600 units at the subject property. The proposed project will have corresponding improvements including but not limited to, roads, parking lots, roundabouts, stormwater basins, lighting, utility, landscaping, tennis courts, pickleball courts, a playground, bocce courts, dog parks, and a clubhouse facility. Approximately 128.74 acres of the 185.51-acre tract will be disturbed for the proposed improvement associated with the project.

II. OVERVIEW OF REGULATORY REQUIREMENTS

The storm water management system for the proposed Venue at Hopewell project has been designed to comply with current regulatory requirements and standards. The applicable regulations and standards are as follows:

- The State of New Jersey's "Stormwater Management Rules", as set forth at NJAC 7:8
- Section 17-82 – Stormwater Control of the Township's Ordinances.
- The Stormwater Management requirements of the County of Mercer
- The "Residential Site Improvement Standards" (NJAC 5:21), hereinafter referred to as the "RSIS;" and
- The "Standards for Soil Erosion and Sediment Control in New Jersey"

Compliance with each of the above-referenced standards necessitates the preparation of a storm water management plan and design that addresses multiple considerations with respect to post-development storm water runoff. These considerations are as follows:

- Use of Non-Structural Strategies to the maximum extent practicable
- Maintenance of average annual groundwater recharge volume
- Compliance with applicable Water Quality Management Standards
- "Quantity Control," achieved through peak flow attenuation
- Minimization of erosion and sedimentation
- Assuring effective operation and maintenance for the system

The remainder of this report will detail the manner in which the project's stormwater management design has addressed each of the above considerations, except for the requirements relevant to maintenance. The maintenance requirements will be addressed in a separate document entitled "Stormwater Management System Operations & Maintenance Manual for Venue at Hopewell; Block 93, Lots 19, 20, 45.01, 46 & 60, Township of Hopewell, Mercer County, New Jersey." However, the Maintenance Manual has not been prepared at this time, pending review and approval of the system's design.

The Appendices of this report contain engineering calculations and related technical documentation supporting the project's design as described herein.

III. METHODOLOGIES

This section of this report describes the engineering methodologies employed for the design of the project's storm water management system. All of the methods are specifically referenced in the applicable regulations and/or in one or more of the "References" listed in Section VIII of this report. Most of the methods are specified and/or detailed in *The New Jersey Stormwater Best Management Practices Manual*, hereinafter referred to as "the BMP Manual." Specifically, the various methods used in the preparation of the project's plans and stormwater management design to address each of the multiple considerations described above were as follows:

A. Estimates of Runoff Rates and Volumes

1. Pre-Development versus Post-Development

   The hydrologic estimates and modeling conducted for the design of the storm water management system utilized the "NRCS Methodology" which is specifically referenced for such applications in the BMP Manual. Storm frequencies of 2, 10 and 100-years were modeled, as required to demonstrate compliance with the "quantity control" provisions of the subject Rules. The models were created using the NOAA Type C, 24-hour rainfall. According to the NOAA 14 Point Precipitation Frequency Estimates, the estimates for each storm at the project site, before applying adjustment or change factors, are as follows:

   - 2-year = 3.32 inches
   - 10-year = 4.97 inches
   - 100-year = 8.12 inches

2. Runoff Coefficients and Times of Concentration

   All of the soils within the development area are included in Appendix 1 of this report.

   In addition to CN values, the above referenced NRCS Methodology for estimating stormwater runoff rates also necessitates the determination of a time of concentration for each subwatershed/drainage area.

3. Weighted Average Volume Technique

   As stated in the BMP Manual, variations in cover conditions are not always accurately reflected by calculating a weighted CN value for the entire subwatershed. Rather, a procedure termed the "weighted average volume technique" was presented and recommended in the BMP Manual for such subwatershed areas. Therefore, runoff estimates for the subwatershed areas with directly connected impervious surface considered in the design of the project's stormwater management system utilized the weighted average volume technique. In such cases, two hydrographs (one representing the

impervious area within the area and the other representing the remaining area) were developed for the subwatershed. The hydrograph representing the impervious area was given the suffix "I" for identification, while the hydrograph representing the remainder of the subwatershed area was given the suffix "P".

B. Water Quality Management

Pursuant to applicable standards and regulations, this design consideration was based on the "Water Quality Design Storm" as specified in the BMP manual. Specifically, the storm is based upon a 1.25 inch rainfall event over the course of two hours as specified in Figure 5-2 of the BMP Manual.

C. Ground Water Recharge

Groundwater recharge standards and requirements apply to the proposed improvements associated with the project site and are satisfied by either:

1. Demonstrating through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site; or

2. Demonstrating through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected two-year storm, as defined and determined pursuant to N.J.A.C. 7:8-5.7(d), is infiltrated.

Refer to the Tables and Appendices for details.

D. Erosion and Sedimentation Control

Another key consideration in the development of the project is the minimization of erosion and sedimentation. The greatest potential for erosion and sedimentation will occur during construction, when areas of exposed soils temporarily exist. The "Soil Erosion and Sediment Control Plan," which is included in the set of Site Plans referenced above specifies numerous proven measures for controlling erosion and sedimentation during construction.

This plan is subject to the review and certification by the Mercer County Soil Conservation District.

IV. EXISTING SITE CONDITIONS AND STORMWATER RUNOFF ESTIMATES

This section of this report describes the hydrologic modeling conducted to estimate peak runoff rates and total runoff volumes from the project site under existing conditions. Sheet 1 of 2 contained in **Appendix 4** of this report is an "Existing Conditions" Drainage Area Map prepared for the hydrologic assessment of stormwater runoff from the project site under existing conditions. As illustrated on Sheet 1 of 2, the drainage area was divided

into six watersheds flowing to three separate design points. The area of study includes 249.69 acres.

Design Point 1 is the total existing drainage area that flows to Ewing Creek, which consists of Drainage Area XDA-1 and Drainage Area XDA-2.

Drainage Area XDA-1 encompasses 91.57 acres of land. The area includes 86.99 acres of open space/woods/row crops and 4.58 acres of impervious area. Runoff from this area flows to Ewing Creek.

Drainage Area XDA-2 encompasses 35.20 acres of land, which is all considered to be row crops. Runoff from this area flows to Ewing Creek.

Design Point 2 is the total existing drainage area that flows to Jacobs Creek, which consists of Drainage Area XDA-3 and Drainage Area XDA-4.

Drainage Area XDA-3 encompasses 22.13 acres of land, which is all considered to be woods/row crops. Runoff from this area flows to Jacobs Creek.

Drainage Area XDA-4 encompasses 34.95 acres of land, which is all considered to be woods/row crops. Runoff from this area flows to Jacobs Creek.

Design Point 3 is the total existing drainage area that flows to Woolsey Creek, which consists of Drainage Area XDA-5 and Drainage Area XDA-6.

Drainage Area XDA-5 encompasses 8.76 acres of land, which is all considered to be row crops. Runoff from this area flows to Woolsey Creek.

Drainage Area XDA-6 encompasses 57.08 acres of land. The area includes 56.32 acres of woods/row crops and 0.76 acres of impervious area. Runoff from this area flows to Woolsey Creek.

The path used to estimate the time of concentration for each subwatershed is also illustrated on the subject Drainage Area Map. The calculations for the time of concentration, weighted CN value and peak runoff rates under existing conditions are provided in **Appendix 2.**

The peak rates of runoff for each of the storms studied are summarized in Table No. 1 below.

TABLE NO. 1

SUMMARY OF EXISTING PEAK RUNOFF CONDITIONS

Drainage Area No.	Area (Acres)	Runoff Curve No.	Time of Concentration (Min)	Q2 (cfs)	Q10 (cfs)	Q100 (cfs)	Q2 Future (cfs)	Q10 Future (cfs)	Q100 Future (cfs)
X-1I	4.90	92	31.7	8.05	13.10	22.84	9.52	15.25	30.27
X-1P	61.77	66	31.7	25.04	70.68	181.26	36.99	93.28	274.33
X-1S	24.90	67	31.7	11.01	29.92	75.09	16.00	39.20	112.84
XDA-1 (subtotal)	**91.57**	**-**	**-**	**43.83**	**113.56**	**279.10**	**62.29**	**147.61**	**417.38**
X-2P	35.20	77	26.6	33.39	69.33	145.84	43.39	85.71	205.94
XDA-2 (subtotal)	**35.20**	**-**	**-**	**33.39**	**69.33**	**145.84**	**43.39**	**85.71**	**205.94**
X-3P	22.13	76	40.4	15.13	32.24	69.04	19.87	40.10	98.20
XDA-3 (subtotal)	**22.13**	**-**	**-**	**15.13**	**32.24**	**69.04**	**19.87**	**40.10**	**98.20**
X-4P	30.2	67	37.4	12.24	33.16	83.42	17.75	43.45	125.46
X-4S	4.75	60	37.4	0.93	3.52	10.56	1.56	4.91	16.79
XDA-4 (subtotal)	**34.95**	**-**	**-**	**16.68**	**46.72**	**119.10**	**24.60**	**61.54**	**179.87**
X-5P	8.76	75	34.4	6.49	14.07	30.54	8.58	17.58	43.64
XDA-5 (subtotal)	**8.76**	**-**	**-**	**6.49**	**14.07**	**30.54**	**8.58**	**17.58**	**43.64**
X-6I	0.76	98	26.2	1.58	2.40	4.02	1.82	2.76	5.26
X-6P	26.49	71	26.2	17.56	41.95	97.44	24.16	53.53	142.50
X-6PO	29.84	70	26.2	18.44	45.30	107.18	25.67	58.16	157.73
XDA-6 (subtotal)	**57.09**	**-**	**-**	**37.54**	**89.62**	**208.63**	**51.61**	**114.43**	**305.48**

V. DESCRIPTION OF PROPOSED CONDITIONS

This section of this report describes the hydrologic modeling conducted to estimate peak runoff rates and total runoff volumes from the project site under proposed conditions. Sheet 2 of 2 contained in **Appendix 4** of this report is a "Proposed Conditions" Drainage Area Map prepared for the hydrologic assessment of stormwater runoff from the project site under proposed conditions. As illustrated on Sheet 2 of 2, the drainage area was divided into six watersheds flowing to six design points, each corresponding to a drainage area. The area of study includes 249.69 acres.

Drainage Area PDA-1 encompasses approximately 96.42 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-1 through B-17, and undisturbed areas. Runoff from this area flows to Ewing Creek.

Drainage Area PDA-2 encompasses approximately 33.60 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-18 through B-28, and undisturbed areas. Runoff from this area flows to Ewing Creek.

Drainage Area PDA-3 encompasses approximately 29.33 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-29 through B-40, and undisturbed areas. Runoff from this area flows to Jacobs Creek.

Drainage Area PDA-4 encompasses approximately 30.31 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-41 through B-47, and undisturbed areas. Runoff from this area flows to Jacobs Creek.

Drainage Area PDA-5 encompasses approximately 7.27 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-48 through B-50, and undisturbed areas. Runoff from this area flows to Woolsey Creek.

Drainage Area PDA-6 encompasses approximately 51.94 acres of land. The area is comprised of the drainage areas that discharge to bioretention basins B-51 through B-58, and undisturbed areas. Runoff from this area flows to Woolsey Creek.

The calculations for the time of concentration, weighted CN value and peak runoff rates under proposed conditions are provided in **Appendix 3.** The peak rates of runoff for each of the storms studied are summarized in Table No. 5 below.

Drainage Area No.	Area (Acres)	Runoff Curve No.	Current Q2 (cfs)	Current Q10 (cfs)	Current Q100 (cfs)	Future Q2 (cfs)	Future Q10 (cfs)	Future Q100 (cfs)
PDA-1 (subtotal)	96.420	-	29.82	78.27	201.66	42.01	101.54	323.17
PDA-2 (subtotal)	33.603	-	13.67	33.32	100.44	18.13	49.07	163.48
PDA-3 (subtotal)	29.332	-	6.29	18.00	50.88	8.30	25.66	78.13
PDA-4 (subtotal)	30.311	-	3.72	14.45	41.25	5.56	20.40	64.16
PDA-5 (subtotal)	7.900	-	1.10	2.32	14.58	1.45	4.35	24.20
PDA-6 (subtotal)	51.940	-	26.11	71.97	163.80	37.93	91.74	240.71

VI. DESCRIPTION OF PROPOSED STORMWATER MANAGEMENT FACILITIES

As illustrated on the accompanying set of Site Plans, the proposed storm sewer system will collect onsite and limited areas of off-site stormwater runoff and convey it to the sixty-four (64) proposed bioretention basins for water quantity attenuation, groundwater recharge, and water quality treatment. Outlet control structures have been provided for all basins to convey the stormwater to the Design Points. The outlet control structures will each consist of a low flow orifice and one or more weirs to regulate the discharge from the basins. Calculations for each bioretention basin are provided in **Appendix 3**.

VII. ASSESSMENT OF COMPLIANCE WITH STORMWATER MANAGEMENT REQUIREMENTS

This section of this report is intended to demonstrate that the stormwater management system designed for the Venue at Hopewell project, as above described, is compliant with all regulatory requirements pursuant to the applicable Rules. The various considerations relevant to the design of the system were listed in Subsection II of this report. To reiterate, these considerations are as follows:

- Maintenance of average annual groundwater recharge volume
- Compliance with applicable Water Quality Management Standards
- “Quantity Control,” achieved through peak flow attenuation
- Providing an effective collection and conveyance system
- Assuring minimization of erosion and sedimentation
- Providing for proper maintenance of the system
- Use of Non-structural strategies

Except for the requirement relevant to the maintenance of the proposed system, this section of this report will address each of the above considerations with respect to complying with the applicable rules and standards. As indicated above, the requirement relevant to system maintenance is addressed in an accompanying report.

A. Maintenance of Average Annual Groundwater Recharge

As stated above, groundwater recharge standards and requirements apply to the proposed improvements associated with the project site and are satisfied by either:

1. Demonstrating through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site; or

2. Demonstrating through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected two-year storm, as defined and determined pursuant to N.J.A.C. 7:8- 5.7(d), is infiltrated.

A summary of the Average Annual Groundwater Recharge Calculations for each drainage area are as follows:

TABLE NO. 6 GROUNDWATER RECHARGE CALCULATIONS – DA1	
Area	**Recharge Value (CF)**
Post Development Annual Recharge Deficit	736,725
Basin 8	1,032,889
Basin 9	843,560
Basin 17A	433,426
Basin 17B	539,422

TABLE NO. 7 GROUNDWATER RECHARGE CALCULATIONS – DA2	
Area	**Recharge Value (CF)**
Post Development Annual Recharge Deficit	343,547
Basin 18	99,396
Basin 19	170,190
Basin 27	89,004
Basin 28	101,706

TABLE NO. 8 GROUNDWATER RECHARGE CALCULATIONS – DA3

Area	Recharge Value (CF)
Post Development Annual Recharge Deficit	205,581
Basin 29	290,456
Basin 34	225,044
Basin 35	135,693
Basin 36A	121,288
Basin 36B	108,165
Basin 37A	153,276
Basin 37B	190,134

TABLE NO. 9 GROUNDWATER RECHARGE CALCULATIONS – DA4	
Area	**Recharge Value (CF)**
Post Development Annual Recharge Deficit	245,357
Basin 41	198,809
Basin 42	115,250
Basin 43	239,270
Basin 45	396,273

TABLE NO. 10 GROUNDWATER RECHARGE CALCULATIONS – DA5	
Area	**Recharge Value (CF)**
Post Development Annual Recharge Deficit	60,158
Basin 49	111,255
Basin 50	149,216

TABLE NO. 11 GROUNDWATER RECHARGE CALCULATIONS – DA6	
Area	**Recharge Value (CF)**
Post Development Annual Recharge Deficit	194,310
Basin 51	465,714
Basin 52	42,103
Basin 53	417,037
Basin 54	394,387
Basin 55	377,510
Basin 56	445,995
Basin 57	352,550
Basin 58	553,385

Refer to Appendix 4 for details and tables showing the complete Annual Groundwater Recharge Calculations.

B. Water Quality Management

The project proposes to increase the total impervious coverage on the site by approximately 50.98 acres. As this increase is greater than 0.25 acres, the regulatory requirements at NJAC 7:8-5.5 are applicable.

For the purposes of water quality, the NJDEP considers roof, sidewalks, patios and similar impervious areas “clean” and subsequently do not require TSS removal. The parking structures are included as analogous to pavement as it would generate TSS in runoff.

The basins that receive runoff direct from the proposed roads, driveways, and parking areas been designed as small-scale bioretention basins, with a 2.5-acre tributary drainage area maximum. Per NJAC 7:8-9.7, small-scale bioretention systems achieve a minimum 80% TSS removal rate, meeting the water quality management regulations of the rules. The bioretention systems have been designed with a 2 foot soil bed depth and as a terrestrial forested community, providing a TSS removal rate of 90%.

C. Quantity Control (Peak Flow Attenuation)

Under NJAC 7:8-5.6, there are four ways to satisfy runoff control. For this analysis, subparagraphs 1 and 3 are utilized.

Subparagraph 1 states: “*Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the current and projected two-, 10-, and 100-year storm events, as defined and determined pursuant to N.J.A.C. 7:8-5.7(c) and (d), respectively, do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events*.”

Subparagraph 3 states: “*Design stormwater management measures so that the post-construction peak runoff rates for the two-, 10-, and 100-year storm events are 50, 75, and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed*.”

Table No. 60 & 61 below summarizes the existing and proposed peak runoff from the hydrographs for the offsite area to Design Point 1 and demonstrates compliance with the regulatory requirements.

TABLE NO. 60
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS TO DESIGN POINT 1

STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	18.88	18.88
10	42.92	42.92
100	97.87	97.87

TABLE NO. 61		
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6		
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	25.40	25.40
10	54.36	54.36
100	143.06	143.06

Table No. 62 & 63 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 1 and demonstrates compliance with the regulatory requirements.

TABLE NO. 62			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM ONSITE AREAS AT DESIGN POINT 1 (DP-1)			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	25.04	12.52	11.04
10	70.68	53.01	35.35
100	181.26	145.01	104.16

TABLE NO. 63			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT FROM ONSITE AREAS DESIGN POINT 1 (DP-1)			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	36.99	18.50	16.84
10	93.28	69.96	47.19
100	274.33	219.46	183.38

Table No. 64 & 65 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 2 and demonstrates compliance with the regulatory requirements.

TABLE NO. 64			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 2 (DP-2)			
STORM FREQUENCY (YEARS)	**EXISTING (CURRENT) PEAK (cfs)**	**ALLOWABLE (CURRENT) PEAK (cfs)**	**PROPOSED (CURRENT) PEAK (cfs)**
2	33.39	16.70	13.67
10	69.33	52.00	33.32
100	145.84	116.67	100.44

TABLE NO. 65			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 2 (DP-2)			
STORM FREQUENCY (YEARS)	**EXISTING (FUTURE) PEAK (cfs)**	**ALLOWABLE (FUTURE) PEAK (cfs)**	**PROPOSED (FUTURE) PEAK (cfs)**
2	43.39	21.70	18.13
10	85.71	64.28	49.07
100	205.94	164.75	163.48

Table No. 66 & 67 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 3 and demonstrates compliance with the regulatory requirements.

TABLE NO. 66			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 3			
STORM FREQUENCY (YEARS)	**EXISTING (CURRENT) PEAK (cfs)**	**ALLOWABLE (CURRENT) PEAK (cfs)**	**PROPOSED (CURRENT) PEAK (cfs)**

2	15.13	7.57	6.29
10	32.24	24.18	18.00
100	69.04	55.23	50.88

TABLE NO. 67			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 3			
STORM FREQUENCY (YEARS)	**EXISTING (FUTURE) PEAK (cfs)**	**ALLOWABLE (FUTURE) PEAK (cfs)**	**PROPOSED (FUTURE) PEAK (cfs)**
2	19.87	9.94	8.30
10	40.10	30.08	25.66
100	98.20	78.56	78.13

Table No. 68 & 69 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 4 and demonstrates compliance with the regulatory requirements.

TABLE NO. 68			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 4			
STORM FREQUENCY (YEARS)	**EXISTING (CURRENT) PEAK (cfs)**	**ALLOWABLE (CURRENT) PEAK (cfs)**	**PROPOSED (CURRENT) PEAK (cfs)**
2	13.14	6.57	3.72
10	36.67	27.50	14.45
100	93.88	75.10	41.25

TABLE NO. 69			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 4			
STORM FREQUENCY (YEARS)	**EXISTING (FUTURE) PEAK (cfs)**	**ALLOWABLE (FUTURE) PEAK (cfs)**	**PROPOSED (FUTURE) PEAK (cfs)**
2	19.30	9.65	5.56

10	48.35	36.26	20.40
100	142.26	113.81	64.16

Table No. 70 & 71 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 5 and demonstrates compliance with the regulatory requirements.

TABLE NO. 70			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 5			
STORM FREQUENCY (YEARS)	**EXISTING (CURRENT) PEAK (cfs)**	**ALLOWABLE (CURRENT) PEAK (cfs)**	**PROPOSED (CURRENT) PEAK (cfs)**
2	6.49	3.25	1.10
10	14.07	10.55	2.32
100	30.54	24.43	14.58

TABLE NO. 71			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT DESIGN POINT 5			
STORM FREQUENCY (YEARS)	**EXISTING (FUTURE) PEAK (cfs)**	**ALLOWABLE (FUTURE) PEAK (cfs)**	**PROPOSED (FUTURE) PEAK (cfs)**
2	8.58	4.29	1.45
10	17.58	13.19	4.35
100	43.64	34.91	24.20

Table No. 72 & 73 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 6 and demonstrates compliance with the regulatory requirements.

TABLE NO. 72
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6

STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	19.97	19.97
10	47.68	47.68
100	111.19	111.19

TABLE NO. 73		
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM OFFSITE AREAS AT DESIGN POINT 6		
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	27.45	27.45
10	60.90	60.90
100	162.99	162.99

Table No. 74 & 75 below summarizes the existing and proposed peak runoff from the hydrographs and routing through the bioretention basins for Design Point 1 and demonstrates compliance with the regulatory requirements.

TABLE NO. 74			
SUMMARY OF CURRENT EXISTING AND PROPOSED PEAK RATES OF RUNOFF FROM ONSITE AREAS AT DESIGN POINT 6 (DP-6)			
STORM FREQUENCY (YEARS)	EXISTING (CURRENT) PEAK (cfs)	ALLOWABLE (CURRENT) PEAK (cfs)	PROPOSED (CURRENT) PEAK (cfs)
2	17.56	8.78	6.65
10	41.95	31.46	26.18
100	97.44	77.95	60.70

TABLE NO. 75			
SUMMARY OF FUTURE EXISTING AND PROPOSED PEAK RATES OF RUNOFF AT FROM ONSITE AREAS DESIGN POINT 6 (DP-6)			
STORM FREQUENCY (YEARS)	EXISTING (FUTURE) PEAK (cfs)	ALLOWABLE (FUTURE) PEAK (cfs)	PROPOSED (FUTURE) PEAK (cfs)
2	24.16	12.08	10.67
10	53.53	40.15	34.55
100	142.50	114.00	89.53

D. Soil Erosion and Sediment Control Compliance

The project has also been designed to minimize erosion and sedimentation in accordance with *The Standards for Soil Erosion and Sediment Control in New Jersey*" A "Soil Erosion and Sediment Control Plan" is included in the set of project plans, specifying numerous practices to achieve this goal. The project's "Soil Erosion and Sediment Control Plan" is subject to review and approval by the Mercer County Soil Conservation District (MCSCD). The District's certification of the plan is required before any construction may commence.

E. Collection and Conveyance System Design

The project's storm water management system also includes a network of storm sewer pipes to convey the stormwater runoff to and from the various management facilities. Similarly, stormwater inlets are strategically located to collect runoff from the surface of the ground.

F. Use of Non-Structural Strategies

The design of the project's storm water management system also included the implementation of Non-Structural Strategies. Foremost, redevelopment is a low impact design strategy as it takes under-utilized, previously developed land and creates new uses on it instead of developing virgin forest or farm fields. The site also implements non-structural strategies such as utilizing existing stabilized discharge points and preventative pollution source measures.

VIII. REFERENCES

The following documents were relied upon during the preparation of the project's stormwater management plan:

1. New Jersey Stormwater Best Management Practices Manual, New Jersey Department of Environmental Protection; Lat Updated: October 6, 2023.

2. Residential Site Improvement Standards, New Jersey Administrative Code Title 5, Chapter 21; Effective Date: March 30, 2021.

3. Standards for Soil Erosion and Sediment Control in New Jersey, New Jersey State Soil Conservation Committee; January 2014 and revised July 2017.

4. Urban Hydrology for Small Watersheds, United States Department of Agriculture, Soil Conservation Service; June, 1986.

5. Soil Survey of Mercer County, United States Department of Agriculture, Soil Conservation Service.
   < https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

6. NJ-GeoWeb 3.0, New Jersey Department of Environmental Protection, Bureau of GIS. < https://www.nj.gov/dep/gis/geowebsplash.htm>

APPENDIX 1
NRCS SOILS RESOURCE REPORT

STORMWATER MANAGEMENT TESTING REPORT

Venue at Hopewell

Somerset County, New Jersey

December 1, 2023

Prepared For:
US Home Corporation (dba Lennar)
2465 Kuser Road, Floor 3
Hamilton, New Jersey 08690

Attn: Mitchell Newman

Prepared By:
Geo-Technology Associates, Inc.
Geotechnical and Environmental Consultants

14 Worlds Fair Drive, Suite A
Somerset, New Jersey 08873
(732) 271-9301
www.gtaeng.com

GTA Project No: 31191132x1

GEO-TECHNOLOGY ASSOCIATES, INC.

GEOTECHNICAL AND
ENVIRONMENTAL CONSULTANTS

A Practicing Geoprofessional Business Association Member Firm

December 1, 2023

US Home Corporation (dba Lennar)
2465 Kuser Road, Floor 3
Hamilton, New Jersey 08690

Attn: Mitchell Newman

Re: Stormwater Management Testing Report
Venue at Hopewell
Hopewell Township, Mercer County, New Jersey

Dear Mitch:

In accordance with our agreement dated October 2, 2023, Geo-Technology Associates, Inc. (GTA) has performed a geotechnical exploration for the planning and design of stormwater management (SWM) facilities related to a proposed residential development to be constructed in Hopewell Township, Mercer County, New Jersey. The exploration consisted of excavating 152 test pits with in-situ infiltration testing, performing 60 basin flood tests, and visually classifying the encountered soils. The results of the field testing, and GTA's recommendations regarding the design and construction of the proposed SWM basins are included in this report.

GTA appreciates the opportunity to have been of assistance to you on this project. Please contact our office at (732) 271-9301 if you have questions or require additional information. Please note that, unless you make other arrangements, GTA will discard all soil samples obtained from the explorations 60 days after the date of this report.

Sincerely,

GEO-TECHNOLOGY ASSOCIATES, INC.

Allison Tether, P.G.
Senior Project Manager

Kyle T. Plaza, P.E.
Associate

Dennis C. Loh, P.E.
Vice President

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1.0 INTRODUCTION

This report presents the results of a geotechnical engineering exploration performed by Geo-Technology Associates, Inc. (GTA) for the planning and design of stormwater management (SWM) facilities related to a proposed residential development in Hopewell Township, Mercer County, New Jersey.

1.1 Study Purpose

GTA conducted this study to develop confirmation-dependent geotechnical engineering recommendations for the proposed SWM facilities to be constructed at the site. The scope of GTA's study included a field exploration and geotechnical engineering analyses. The field exploration included a total of 152 test pit excavations with in-situ infiltration testing and 60 basin flood tests within the proposed SWM basin areas. The conclusions and recommendations presented in this report were derived from engineering analyses of field data and details of the proposed SWM facilities as detailed herein.

1.2 Reference Documents

GTA was provided with a plan prepared by Bowman Consulting Group, Ltd. (Bowman) titled "Test Pit Location Map" dated September 19, 2023. The plan indicates the site boundaries, existing topography, and the layout and dimensions of the proposed SWM basins. The plan was marked up to show the locations of 152 requested test pits with infiltration testing within the proposed SWM basin areas, and 11 of the proposed basins were highlighted to indicate the areas where infiltration was a priority for design purposes. Those 11 basins include a total of 60 test locations, where basin flood testing was requested in addition to in-situ infiltration testing within the overburden soils.

2.0 PROJECT DESCRIPTION

2.1 Site Location

The site is situated north and west of Nursery Road, west of its intersection with Scotch Road. The general location of the site is shown on the Site Location Map, which is Figure 1 in Appendix A of this report.

2.2 Existing Site Conditions

At the time of our study, the central portion of the subject site was predominantly agricultural fields and wooded areas were present in the northwestern and southeastern portions of the site. An existing farm building was located in the southwestern corner of the site with an access drive leading from Nursery Road to the south. The northeastern corner of the site contained debris from

former structures that have since been demolished, and a cleared path led to the area of the former buildings from Nursery Road to the east. A stream running roughly northeast to southwest was present in the southeastern portion of the site, and mapped wetlands were indicated on the plan surrounding the stream channel. Another small stream was present in the northwestern corner of the site, and was also mapped as a wetlands area.

Based on our visual observations and review of the ground surface topography shown on the plan provided to us, the existing ground surface generally slopes gently across the site from about Elevation (EL) 220 feet in the northeastern corner to about EL 200 feet in the central portion of the site. From the central portion of the site, the ground surface slopes moderately down to about EL 150 feet in the southwestern corner of the site and to about EL 160 feet along the stream channels in the northwestern and southeastern corners.

2.3 Proposed SWM Basin Construction

Based on the plan provided to us, we understand that the proposed residential development will include a total of 48 SWM basins ranging in size from about 1,100 square feet to about 85,000 square feet. The plan also indicates 2 areas in the central and northwestern portions of the site where test pits were requested but the proposed basin boundaries were not outlined on the plan.

The project is in the preliminary phases of design and the grading plans have not yet been developed. As such, the proposed basin bottom elevations have not been determined. However, based on conversations with Bowman, we understand the basin bottoms will likely be established at about the central topographic contour within each basin to balance the amount of cuts and fills required for earthwork.

3.0 GEOTECHNICAL ENGINEERING STUDY

3.1 Geologic Review

The subject site is situated within the Piedmont physiographic province characterized by a low rolling plain divided by a series of higher ridges and predominantly underlain by sedimentary rocks of Triassic and Jurassic age. According to the *Surficial Geology of New Jersey* digital data map *(DGS07-2, 2013)* published as ESRI's Geographic Information Systems (GIS) shapefiles by the New Jersey Geological Survey as part of the Digital Geodata Series, the surficial geology of the majority of the site consists of weathered shale, mudstone, and sandstone. This unit is described as reddish-brown, yellow, and light gray silty sand to silty clay with shale, mudstone, or sandstone fragments. The weathered zone can be as much as 10 feet thick overlying shale and mudstone, and up to 30 feet thick overlying sandstone. The surficial geology of the southern portion of the site is mapped

as Aeolian deposits, which consist of yellow-brown and pale brown windblown fine sand and silt. The unit can be as much as 15 feet in thickness.

The site is underlain by the Passaic Formation of the Lower Jurassic and Upper Triassic Period of the Mesozoic Era, as shown on the *Bedrock Geologic Map of Central and Southern New Jersey (1998)* published by the United States Geological Survey. This formation is described as predominantly reddish-brown to maroon and purple, fine-grained sandstone, siltstone, and mudstone separated by olive-gray, dark-gray, or black siltstone or shale.

Please refer to the referenced publications for more detailed descriptions of the geologic members.

3.2 Subsurface Exploration

The subsurface exploration program consisted of excavating a total of 152 test pits with in-situ infiltration testing and performing 60 basin flood tests at the requested locations within the proposed SWM basin areas. The test pits were excavated on October 12, 2023 through November 15, 2023 by J.A. Neary Excavating using a Case CX160 excavator and extended to depths ranging from approximately 3 to 12 feet below the existing ground surface. In-situ infiltration testing was performed adjacent to each of the test pits using a double-ring infiltrometer. The exploration locations were selected, surveyed, and staked in the field by Bowman prior to our exploration. The approximate locations of the explorations performed for this study are shown on the Test Pit Location Plan, which is included as Figure 2 in Appendix A. Detailed descriptions of the subsurface conditions encountered in the test pits are indicated on the Logs of Test Pits, which are included in Appendix B. The ground surface elevations shown on the test pit logs were provided by Bowman. The stakes for Test Pits TP-1131 and TP-1132 could not be located in the field. Therefore, the test pits were located in the field by GTA using a hand-held GPS unit and the ground surface elevations were estimated by interpolating between topographic contours shown on the plans provided to us.

The soil samples retrieved from the test pits were delivered to GTA's laboratory for visual classification by a geotechnical engineer and limited laboratory testing. The soil descriptions indicated on the logs are based on visual observations of the individual soil samples as summarized in the Notes for Exploration Logs included in Appendix B, supplemented by the laboratory test results.

3.3 Subsurface Conditions

The results of the subsurface exploration were, for the most part, consistent with the known site history and geologic mapping of the project site. The specific subsurface conditions at each

exploration location are shown on the individual exploration logs within Appendix B. GTA has summarized the subsurface conditions encountered in the following sections.

3.3.1 Surficial Materials

An approximately 6- to 12-inch-thick layer of topsoil was encountered at the ground surface in all of the explorations performed for this study, averaging about 10 inches. The reported topsoil thicknesses generally represent the upper layer of dark and organic soil.

3.3.2 Existing Fill

Two of the explorations performed for this study (TP-1135 and TP-1136) encountered materials that GTA representatives visually identified as existing fill materials. These explorations were performed in an area of the site that was once developed with residential homes that have been razed. The encountered fill generally extended to depths ranging from about 2 to 4 feet below the ground surface and predominantly consisted of sandy silts with gravel and contained debris including bricks, concrete fragments, plastic, scrap metal, and an abandoned utility line.

3.3.3 Native Soils

Beneath the topsoil and existing fill, where present, the explorations encountered native surficial soils consistent with the geologic mapping of the site. The subsurface profile predominantly consisted of silts with varying amounts of granular materials (ML), silty sands (SM), and silty gravel (GM) soils that graded into highly weathered shale bedrock at all of the exploration locations.

3.3.4 Weathered Rock

GTA defines highly weathered rock (HWR) in test pits by visual identification of the rock plate sizes and increased excavation effort. The surface of HWR was encountered in all of the explorations performed for this study at depths ranging from about 1 to 8 feet below the existing surface grades. Refusal to further excavation was encountered in the test pits at depths ranging from about 4 to 12 feet below the ground surface which can be indicative of more competent bedrock materials.

3.3.5 Groundwater

Groundwater was not encountered in the test pits performed for this study. However, seepage of perched or trapped water was observed in 9 of the test pits (TP-1002, TP-1006, TP-1007, TP-1014, TP-1057, TP-1062, TP-1063, TP-1102, and TP-1150) at depths ranging from about 5 to 10 feet below the ground surface. Perched water conditions should be anticipated at varying depths throughout the site in areas where granular soils are underlain by less permeable, fine-grained soils or rock.

Soil mottling indicative of the seasonal high groundwater (SHGW) level was not observed in the test pits performed for this study. Therefore, we believe the SHGW table is below the depths excavated in the test pits.

3.4 Laboratory Testing

Laboratory testing performed for this study included grain-size distribution and Atterberg limits testing for classification of the soils in accordance with the Unified Soil Classification System (USCS), as well as natural moisture content determinations. Detailed results of the laboratory testing performed for this study are included in Appendix C. The results of the laboratory tests are summarized in the following table:

SUMMARY OF LABORATORY TEST RESULTS

Test Pit Location	Depth (ft.)	LL (%)	PI (%)	USCS Classification	NMC (%)	Fines (%)
TP-1001	3½	NV	NV	SILT (ML)	19.7	91.9
TP-1008	4	NV	NV	Sandy SILT (ML)	22.1	62.1
TP-1012	2	NV	NV	SILT with sand (ML)	22.6	76.0
TP-1016	1	NP	NP	Silty GRAVEL with sand (GM)	19.7	47.1
TP-1017	½	NP	NP	Silty GRAVEL (GM)	17.9	30.9
TP-1022	1	NV	NV	Gravelly SILT (ML)	20.5	63.2
TP-1026	3	NV	NV	Gravelly SILT with sand (ML)	21.6	52.0
TP-1028	1	NV	NV	SILT (ML)	24.2	85.3
TP-1037	2½	NV	NV	Gravelly SILT with sand (ML)	16.4	57.7
TP-1043	1½	NV	NV	SILT (ML)	21.6	91.7
TP-1049	2	NV	NV	SILT with sand (ML)	11.9	70.1
TP-1051	3	NV	NV	Gravelly SILT with sand (ML)	10.0	52.9
TP-1053	3	NV	NV	SILT (ML)	22.1	86.6
TP-1057	4	NV	NV	Lean CLAY (CL)	22.1	96.5
TP-1073	2	NP	NP	Silty GRAVEL with sand (GM)	16.4	29.0
TP-1080	2	NP	NP	Silty GRAVEL (GM)	15.6	31.2
TP-1086	2	32.6	10.5	Lean CLAY (CL)	20.3	89.5
TP-1094	2	NV	NV	SILT (ML)	22.7	92.3

Test Pit Location	Depth (ft.)	LL (%)	PI (%)	USCS Classification	NMC (%)	Fines (%)
TP-1098	2	NV	NV	SILT with sand (ML)	19.4	76.1
TP-1104	1	33.9	12.2	Lean CLAY with sand (CL)	23.7	79.5
TP-1119	1	NP	NP	Gravelly SILT with sand (ML)	16.4	52.2
TP-1121	2	NV	NV	SILT (ML)	15.2	99.6
TP-1127	2	NV	NV	Sandy SILT with gravel (ML)	14.5	58.3
TP-1135A	2	32.0	8.3	SILT (ML)	22.2	93.8
TP-1149	1½	NV	NV	Sandy SILT (ML)	23.0	68.3

Note: LL=Liquid Limit, PI=Plasticity Index, NV=Not Verified, NP=Non-Plastic, NMC=Natural Moisture Content, Fines=Material passing the #200 sieve

3.5 Infiltration Test Results

In-situ infiltration testing was performed within the overburden soils at 147 of the 152 test pit locations at depths ranging from about 6 inches to 5 feet below the existing surface grades. The tests were performed using a double-ring infiltrometer in general accordance with Chapter 12 of the New Jersey Stormwater Best Management Practices Manual (Chapter 12). Infiltration tests were attempted at the remaining 5 locations; however, the equipment could not be properly seated to prevent leaking due to the amount of gravel and shale fragments within the soils to be tested, and the tests were abandoned.

The depths of the tests performed at the site and measured infiltration rates are summarized in the Subsurface Summary Table included in Appendix C.

3.6 Basin Flood Test Results

Due to the presence of shallow bedrock at the site, basin flood testing was performed at 60 locations to establish the permeability rate of the bedrock in accordance with Subsection A3 of Chapter 12. A basin flood test involves excavating a “basin” with a minimum bottom area of 50 square feet. If groundwater is observed within the basin, the basin flood test shall not be used. If no groundwater is observed, the basin shall be filled with 12 inches (about 375 gallons) of water and allowed to drain completely. If the time required for the basin to drain is greater than 24 hours, the test shall be terminated, and the rock shall be considered to be a massive rock substratum. If the basin drains completely within 24 hours, the basin shall be filled with another 12 inches of water. If the basin drains completely within 24 hours of the second filling, the rock shall be

considered to be fractured rock substratum, and suitable for infiltration with a design infiltration rate of 0.5 inches per hour.

Sixty basins with dimensions of approximately 10 feet by 5 feet were excavated at the requested locations. The excavations for the basin flood tests were terminated at depths ranging from about 4 to 9½ feet below the ground surface within the weathered rock that was encountered. Following excavation, the basins were filled with 12 inches of water and the water levels were checked 24 hours after filling. Following the initial 24-hour presoak period, it was observed that 39 of the basins did not drain completely. Therefore, the shale bedrock at these locations should be considered a massive rock substratum per Chapter 12 and is not suitable for infiltration.

Following the initial 24-hour presoak period, it was observed that the water drained completely from within the remaining 21 basins. These basins were refilled to 12 inches above the basin bottom levels. Following the second 24-hour period, it was observed that all 21 basins had completely drained again. Therefore, per Chapter 12, the shale bedrock at these locations should be classified as a fractured rock substratum with a design infiltration rate of 0.5 inches per hour.

Please refer to the Subsurface Summary Table included in Appendix C for more detailed information regarding the individual test locations and depths of basin flood tests performed.

4.0 CONCLUSIONS

The primary conditions that affect the capacity to infiltrate water are the soil gradation and density properties and the presence of hydraulically restrictive layers such as silt or clay (fines), rock, or groundwater, each of which would restrict the flow of water into the underlying aquifer. The subsurface profile encountered at the site generally consisted of fine-grained soils (ML, CL) and residual silty sand (SM) and silty gravel (GM) soils, overlying highly weathered shale bedrock. The surface of weathered rock was encountered in all of the explorations performed for this study at depths ranging from about 1 to 8 feet below the existing surface grades. Static groundwater seepage was not observed in the test pits.

In general, the more granular portions of the residual overburden soils tested generally appeared receptive to infiltration with measured infiltration rates ranging up to 24 inches per hour. However, the fine-grained residual soils and the granular residual soils containing appreciable amounts of fines were generally not receptive or only slightly receptive to infiltration, which is typical for soils with high fines contents. The overall results of the testing across the site resulted in variable infiltration rates: 92 of the 147 locations tested (approximately 63%) resulted in a measured infiltration rate of zero (0) inches per hour, 34 of the locations tested (approximately 23%) resulted

in infiltration rates of less than 1 inch per hour, and the remaining 21 of the locations (approximately 14%) resulted in infiltration rates greater than 1 inch per hour.

Chapter 12 requires that infiltration tests be performed within the most restrictive layer within 8 feet of the proposed infiltration elevations. Therefore, per the Chapter 12 guidance, basin flood testing was performed to establish the permeability rate of the bedrock at 60 requested locations. The basin flood tests failed at 39 of the 60 test locations and passed at the remaining 21 locations. The mixed results are typical for the site geology.

5.0 ADDITIONAL SERVICES

We recommended that GTA be retained during construction of the subject project to provide geotechnical consultation and construction observation and testing services as outlined below:

- Review final site plans to evaluate if they conform to the intent of this report.
- Provide on-site observation during SWM basin construction.
- Perform infiltration testing following construction of the proposed SWM basins to verify design rate.

6.0 LIMITATIONS

This report, including all supporting test pit logs, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by GTA in connection with this Project have been prepared for the exclusive use of US Home Corporation (Lennar; Client) pursuant to the Agreement between GTA and Client dated October 2, 2023, and in accordance with generally accepted engineering practice. All terms and conditions set forth in the Agreement and the General Provisions attached thereto are incorporated herein by reference. No warranty, express or implied, is made herein. Use and reproduction of this report by any other person without the expressed written permission of GTA and Client is unauthorized and such use is at the sole risk of the user.

The analysis and recommendations contained in this report are based on the data obtained from limited observation and testing of the encountered materials. Test pits indicate subsurface conditions only at specific locations and times, and only at the depths penetrated. They do not necessarily reflect strata or variations that may exist between the exploration locations. Consequently, the analysis and recommendations must be considered preliminary until the subsurface conditions can be verified by direct observation at the time of construction. If variations of subsurface conditions from those described in this report are noted during construction, recommendations in this report may need to be re-evaluated.

In the event that any changes in the nature, design, or location of the facilities are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed, and conclusions of this report are verified in writing. GTA is not responsible for any claims, damages, or liability associated with interpretation of subsurface data or reuse of the subsurface data or engineering analysis without the expressed written authorization of GTA.

The scope of our services for this geotechnical exploration did not include any environmental assessment or investigation for the presence or absence of wetlands, or hazardous or toxic materials in the soil, surface water, groundwater, or air, on or below or around this site. Any statements in this report or on the logs regarding odors or unusual or suspicious items or conditions observed are strictly for the information of our Client.

This report and the attached logs are instruments of service. The subject matter of this report is limited to the facts and matters stated herein. Absence of a reference to any other conditions or subject matter shall not be construed by the reader to imply approval by the writer.

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for information purposes only.* To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer's services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration*** by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

Telephone: 301/565-2733
e-mail: info@geoprofessional.org www.geoprofessional.org

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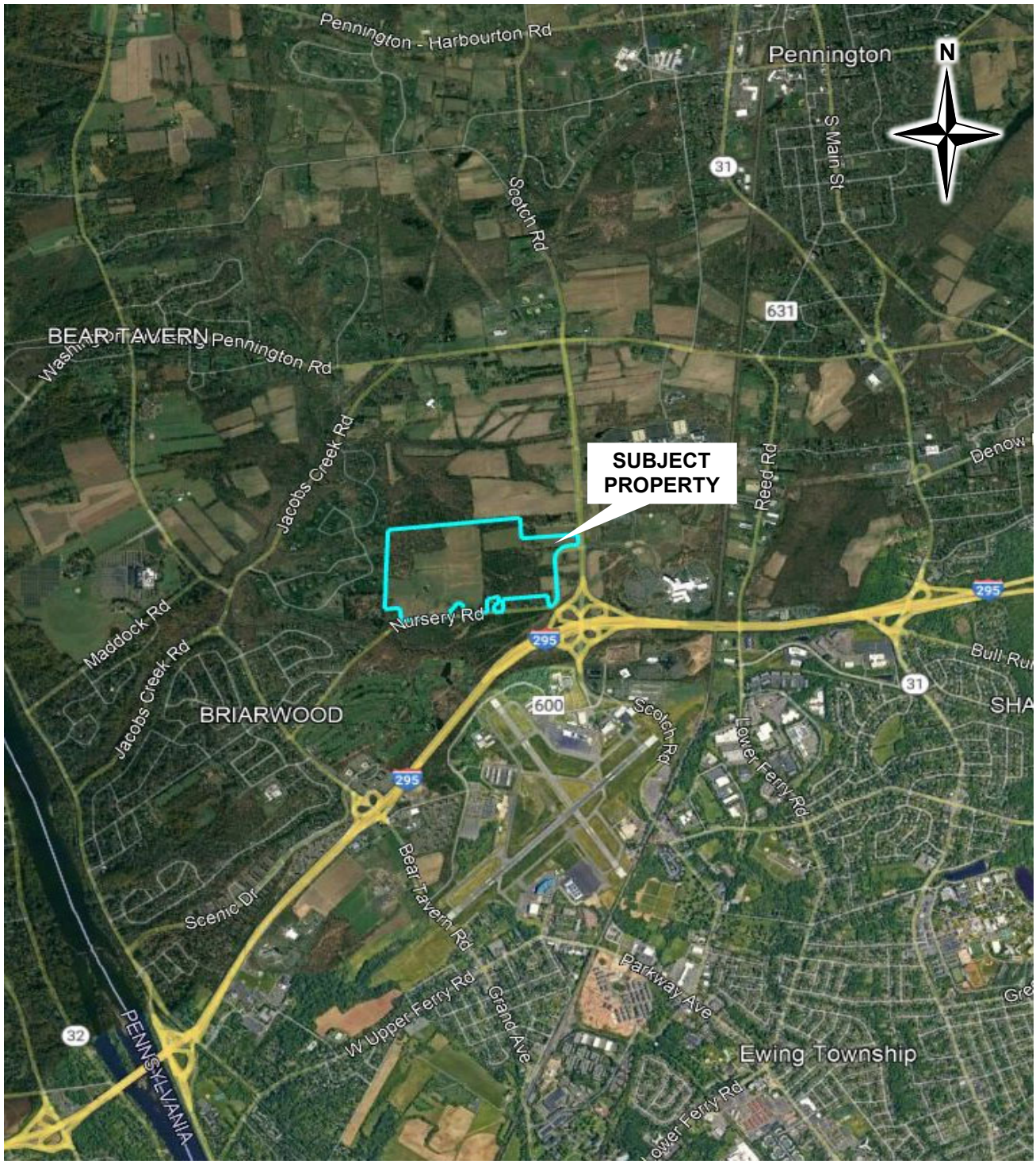
APPENDIX A

Figures



Note: Site boundary is approximate.

SITE LOCATION MAP

14 Worlds Fair Drive, Suite A
Somerset, New Jersey 08873
(732) 271-9301
fax (732) 271-9306

GEO-TECHNOLOGY ASSOCIATES, INC.

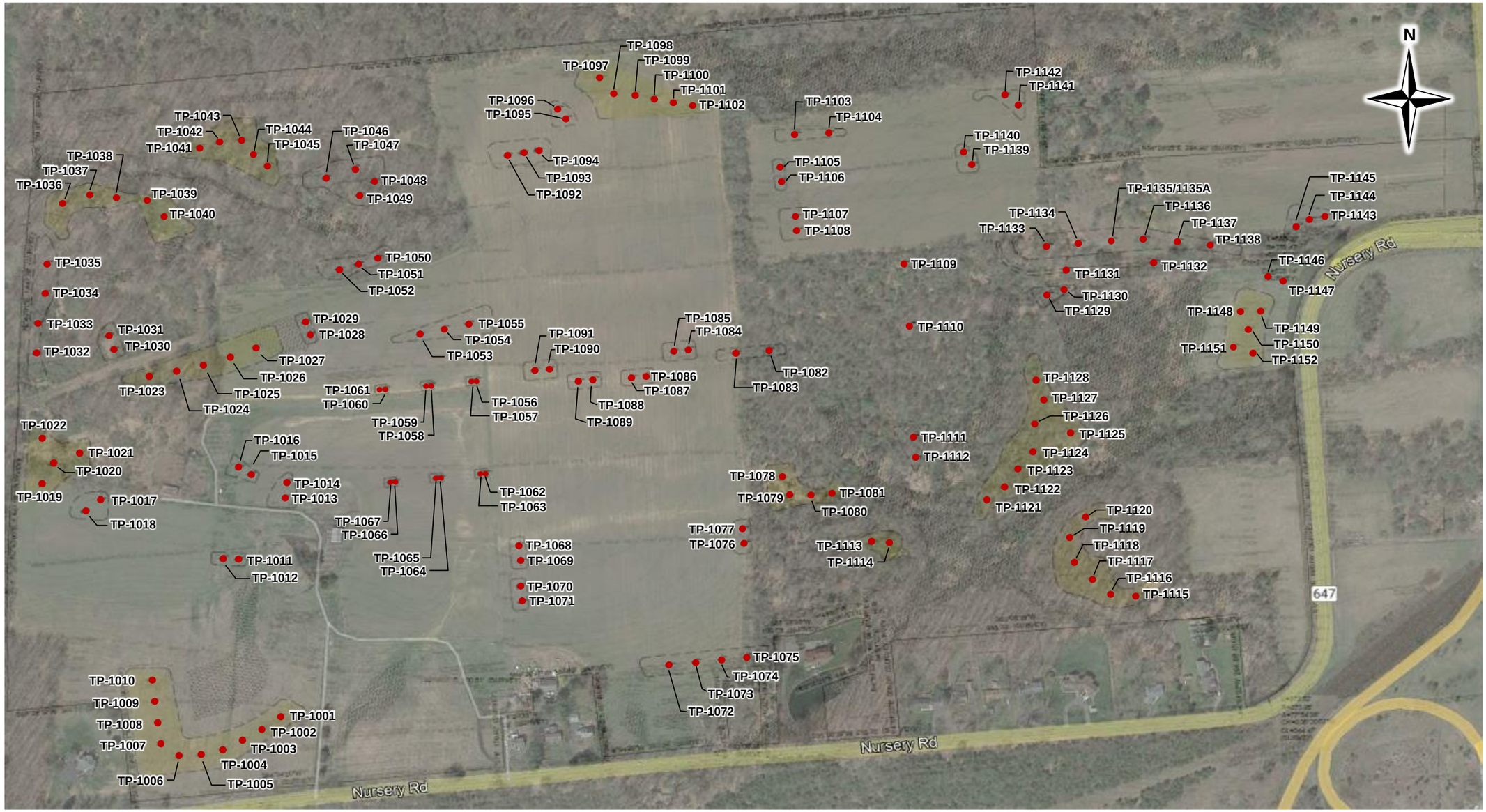
VENUE AT HOPEWELL

Hopewell Township,
Mercer County, New Jersey

Prepared For: Lennar

SOURCE: Google Maps		
SCALE: NTS	DATE: DEC. 2023	PROJECT #: 31191132x1

Figure 1



* Base plan prepared by Bowman Consulting titled "Test Pit Locations Map" dated September 19, 2023 overlaid on Google Earth aerial image.

LEGEND:

TP-100X ● Indicates the numbers and approximate locations of test pits performed by GTA for this study.

TEST PIT LOCATION PLAN

GTA

14 Worlds Fair Drive, Suite A
Somerset, New Jersey 08873
(732) 271-9301
fax (732) 271-9306

GEO-TECHNOLOGY ASSOCIATES, INC.

VENUE AT HOPEWELL

Hopewell Township,
Mercer County, New Jersey

Prepared For: Lennar

DESIGN BY: *	DRAWN BY: AMT	REVIEWED BY: KTP
SCALE: NTS	DATE: DEC. 2023	PROJECT #: 31191132x1

Figure 2

APPENDIX B

Subsurface Summary Table

Lennar - Venue at Hopewell

Subsurface Summary Table

Date: 12/1/2023

GTA Project No.: 31191132x1

		GROUND SURFACE		DEPTH		BEDROCK				INFILTRATION TEST RESULTS					
Test Pit Number	**Stake Number**	**Ground Surface EL (Ft.)**	**Topsoil (In.)**	**Total Depth (Ft.)**	**Bottom of Excavation EL (Ft.)**	**Top of HW Rock (Ft.)**	**Top of HW Rock EL (Ft.)**	**Refusal Depth (Ft.)**	**Refusal EL (Ft.)**	**In-situ Infiltration Test Depth (Ft.)**	**In-situ Infiltration Test EL (Ft.)**	**Measured Infiltration Rate (in/hr)**	**Basin Flood Test Depth (Ft.)**	**Basin Flood Test EL (Ft.)**	**Basin Flood Test Results (PASS/FAIL)**
TP-1001	5000	155.7	10	9	146.7	6	149.7	9	146.7	3.5	152.2	0	8	147.7	FAIL
TP-1002	5001	153.8	10	8	145.8	6	147.8	8	145.8	4	149.8	0	8	145.8	FAIL
TP-1003	5002	151.8	8	11	140.8	5.5	146.3	11	140.8	3	148.8	0	8	143.8	PASS
TP-1004	5003	150.6	10	12	138.6	6.5	144.1	12	138.6	5	145.6	1/2	9.5	141.1	PASS
TP-1005	5004	149.2	10	10	139.2	8	141.2	10	139.2	3.5	145.7	0	9	140.2	FAIL
TP-1006	5005	147.1	10	10	137.1	7.5	139.6	10	137.1	4	143.1	0	9	138.1	FAIL
TP-1007	5006	149.1	6	11	138.1	7.5	141.6	11	138.1	5	144.1	1/2	8	141.1	FAIL
TP-1008	5007	151.3	10	9	142.3	6	145.3	9	142.3	4	147.3	0	8	143.3	PASS
TP-1009	5008	154.2	10	8	146.2	6	148.2	8	146.2	3	151.2	0	8	146.2	PASS
TP-1010	5009	158.5	10	10	148.5	6	152.5	10	148.5	4	154.5	3	8	150.5	PASS
TP-1011	5061	187.2	10	6	181.2	3	184.2	6	181.2	1	186.2	4-1/2			
TP-1012	5062	189.1	10	7	182.1	4	185.1	7	182.1	2	187.1	0			
TP-1013	5060	198.8	10	5	193.8	2.5	196.3	5	193.8	1	197.8	0			
TP-1014	5059	198.5	10	6	192.5	3	195.5	6	192.5	1	197.5	0			
TP-1015	5058	195.9	10	5	190.9	3	192.9	5	190.9	1	194.9	0			
TP-1016	5057	194.5	10	5	189.5	3	191.5	5	189.5	1	193.5	1/2			
TP-1017	5056	192.7	6	6	186.7	1.5	191.2	6	186.7	0.5	192.2	24			
TP-1018	5055	192.3	6	6	186.3	2.5	189.8	6	186.3	1	191.3	3			
TP-1019	5012	187.7	8	6	182.2	1.5	186.2	5.5	182.2	0.5	187.2	12	5	182.7	FAIL
TP-1020	5011	182.4	10	6	176.4	1.5	180.9	6	176.4	1	181.4	0	5	177.4	FAIL
TP-1021	5010	181.7	10	6	175.7	3	178.7	6	175.7	1	180.7	1/2	5	176.7	FAIL
TP-1022	5013	182.8	10	5	177.8	2	180.8	5	177.8	1	181.8	1/2	4	178.8	FAIL
TP-1023	5014	189.3	10	6	183.3	4	185.3	6	183.3	2	187.3	0	6	183.3	FAIL
TP-1024	5015	190.3	10	8	182.3	4	186.3	8	182.3	2.5	187.8	0	7	183.3	PASS
TP-1025	5016	191.2	10	7	184.2	4	187.2	7	184.2	2	189.2	0	6	185.2	FAIL
TP-1026	5017	192.7	6	8	184.7	5	187.7	8	184.7	3	189.7	1/2	7	185.7	PASS
TP-1027	5019	193.6	6	4	189.6	2	191.6	4	189.6	1	192.6	1/2	4	189.6	FAIL
TP-1028	5145	194.1	12	6	188.1	4	190.1	6	188.1	2	192.1	0			
TP-1029	5146	193.4	10	5.5	187.9	4	189.4	5.5	187.9	2	191.4	1/2			
TP-1030	5147	187.0	10	5	182.0	3	184.0	5	182.0	1	186.0	0			
TP-1031	5148	186.3	10	5.5	180.8	4	182.3	5.5	180.8	2	184.3	0			
TP-1032	5149	182.9	8	5	177.9	3	179.9	5	177.9	1	181.9	0			
TP-1033	5150	183.6	10	5.5	178.1	3	180.6	5.5	178.1	1	182.6	0			
TP-1034	5151	194.3	12	6	188.3	3.5	190.8	6	188.3	1.5	192.8	1/2			
TP-1035	5152	181.2	10	5.5	175.7	2.5	178.7	5.5	175.7	1	180.2	1			
TP-1036	5020	168.9	10	7	161.9	4.5	164.4	7	161.9	3	165.9	1/8	7	161.9	FAIL
TP-1037	5021	169.4	10	7.5	161.9	5	164.4	7.5	161.9	3	166.4	1/8	7	162.4	FAIL
TP-1038	5022	172.9	10	8	164.9	5.5	167.4	8	164.9	3.5	169.4	3	7	165.9	FAIL
TP-1039	5023	174.8	12	8	166.8	4	170.8	8	166.8	2	172.8	1-1/2	7	167.8	FAIL
TP-1040	5024	179.8	6	7	172.8	3.5	176.3	7	172.8	1.5	178.3	0	6	173.8	FAIL
TP-1041	5025	177.5	6	6.5	171.0	2.5	175.0	6.5	171.0	0.5	177.0	1/2	5	172.5	PASS
TP-1042	5026	179.3	6	6	173.3	2	177.3	6	173.3	1	178.3	0	5	174.3	FAIL
TP-1043	5027	183.8	6	6	177.8	3	180.8	6	177.8	1	182.8	0	5	178.8	FAIL

		GROUND SURFACE		DEPTH		BEDROCK				INFILTRATION TEST RESULTS					
Test Pit Number	Stake Number	Ground Surface EL (Ft.)	Topsoil (In.)	Total Depth (Ft.)	Bottom of Excavation EL (Ft.)	Top of HW Rock (Ft.)	Top of HW Rock EL (Ft.)	Refusal Depth (Ft.)	Refusal EL (Ft.)	In-situ Infiltration Test Depth (Ft.)	In-situ Infiltration Test EL (Ft.)	Measured Infiltration Rate (in/hr)	Basin Flood Test Depth (Ft.)	Basin Flood Test EL (Ft.)	Basin Flood Test Results (PASS/FAIL)
TP-1044	5028	182.7	8	6	176.7	3	179.7	6	176.7	1	181.7	0	4.5	178.2	PASS
TP-1045	5029	183.4	8	7	176.4	5	178.4	7	176.4	3	180.4	1/2	7	176.4	FAIL
TP-1046	5085	188.5	12	6	182.5	4	184.5	6	182.5	2	186.5	1/4			
TP-1047	5086	191.9	6	6	185.9	1.5	190.4	6	185.9	0.5	191.4	0			
TP-1048	5087	193.4	8	7	186.4	4	189.4	7	186.4	2	191.4	0			
TP-1049	5088	189.9	10	8	181.9	3	186.9	8	181.9	1	188.9	0			
TP-1050	5082	190.4	10	6	184.4	4	186.4	6	184.4	2	188.4	0			
TP-1051	5083	190.3	8	6.5	183.8	4.5	185.8	6.5	183.8	2.5	187.8	0			
TP-1052	5084	189.6	10	6	183.6	4	185.6	6	183.6	2	187.6	0			
TP-1053	5079	199.4	12	4.5	194.9	3.5	195.9	4.5	194.9	1.5	197.9	1/2			
TP-1054	5080	200.3	12	5	195.3	4	196.3	5	195.3	2	198.3	0			
TP-1055	5081	200.9	12	6	194.9	4	196.9	6	194.9	2	198.9	0			
TP-1056	5073	200.9	8	10	190.9	6.5	194.4	10	190.9	4	196.9	0			
TP-1057	5074	201.0	8	12	189.0	6.5	194.5	12	189.0	4	197.0	0			
TP-1058	5075	200.1	8	5	195.1	2	198.1	5	195.1	1	199.1	0			
TP-1059	5076	200.0	8	5	195.0	2.5	197.5	5	195.0	1	199.0	0			
TP-1060	5077	197.6	8	7	190.6	1.5	196.1	7	190.6	1	196.6	1-1/2			
TP-1061	5078	197.3	8	7	190.3	3	194.3	7	190.3	1	196.3	0			
TP-1062	5072	203.7	10	8	195.7	5	198.7	8	195.7	3	200.7	0			
TP-1063	5071	203.5	10	8	195.5	4.5	199.0	8	195.5	2.5	201.0	0			
TP-1064	5070	203.8	10	5	198.8	2	201.8	5	198.8	1.5	202.3	0			
TP-1065	5069	204.1	10	5.5	198.6	2	202.1	5.5	198.6	1	203.1	0			
TP-1066	5068	204.1	10	5.5	198.6	1.5	202.6	5.5	198.6	1	203.1	0			
TP-1067	5067	204.1	10	6	198.1	1.5	202.6	6	198.1	1	203.1	0			
TP-1068	5066	206.6	10	5	201.6	3	203.6	5	201.6	1	205.6	0			
TP-1069	5065	206.9	8	5.5	201.4	1.5	205.4	5.5	201.4	1	205.9	* *N/A*			
TP-1070	5064	205.7	8	7	198.7	1.5	204.2	7	198.7	1	204.7	* *N/A*			
TP-1071	5063	204.2	12	5	199.2	2.5	201.7	5	199.2	1	203.2	* *N/A*			
TP-1072	5121	186.1	10	7	179.1	3	183.1	7	179.1	1	185.1	2			
TP-1073	5120	183.8	10	7.5	176.3	3	180.8	7.5	176.3	1	182.8	2			
TP-1074	5119	181.4	10	7	174.4	3	178.4	7	174.4	1	180.4	2			
TP-1075	5118	179.8	10	6	173.8	3	176.8	6	173.8	1	178.8	2			
TP-1076	5117	200.3	10	6.5	193.8	3	197.3	6.5	193.8	1	199.3	0			
TP-1077	5116	201.2	10	6	195.2	3	198.2	6	195.2	1	200.2	0			
TP-1078	5030	197.6	10	8	189.6	5	192.6	8	189.6	3	194.6	0	8	189.6	PASS
TP-1079	5031	196.9	8	5	191.9	3	193.9	5	191.9	1	195.9	0	5	191.9	FAIL
TP-1080	5032	194.9	8	7	187.9	3	191.9	7	187.9	1	193.9	0	5	189.9	FAIL
TP-1081	5033	192.8	8	7	185.8	2	190.8	7	185.8	1	191.8	0	5	187.8	FAIL
TP-1082	5106	208.4	10	8	200.4	4	204.4	8	200.4	2	206.4	0			
TP-1083	5107	208.7	10	6	202.7	3	205.7	6	202.7	1	207.7	0			
TP-1084	5108	208.9	10	6	202.9	3	205.9	6	202.9	1	207.9	0			
TP-1085	5109	208.7	10	6.5	202.2	4	204.7	6.5	202.2	2	206.7	0			
TP-1086	5110	207.7	10	6	201.7	4.5	203.2	6	201.7	2.5	205.2	0			
TP-1087	5111	207.3	10	6	201.3	4.5	202.8	6	201.3	2.5	204.8	0			
TP-1088	5112	206.4	10	7.5	198.9	5.5	200.9	7.5	198.9	3.5	202.9	0			
TP-1089	5113	205.5	10	8	197.5	6.5	199.0	8	197.5	4.5	201.0	0			
TP-1090	5114	205.0	10	6.5	198.5	4.5	200.5	6.5	198.5	2.5	202.5	0			

		GROUND SURFACE		DEPTH		BEDROCK				INFILTRATION TEST RESULTS					
Test Pit Number	Stake Number	Ground Surface EL (Ft.)	Topsoil (In.)	Total Depth (Ft.)	Bottom of Excavation EL (Ft.)	Top of HW Rock (Ft.)	Top of HW Rock EL (Ft.)	Refusal Depth (Ft.)	Refusal EL (Ft.)	In-situ Infiltration Test Depth (Ft.)	In-situ Infiltration Test EL (Ft.)	Measured Infiltration Rate (in/hr)	Basin Flood Test Depth (Ft.)	Basin Flood Test EL (Ft.)	Basin Flood Test Results (PASS/FAIL)
TP-1091	5115	204.4	10	7	197.4	5	199.4	7	197.4	3	201.4	1/2			
TP-1092	5089	196.5	12	9.5	187.0	5	191.5	9.5	187.0	1	195.5	1			
TP-1093	5090	196.9	12	7.5	189.4	5	191.9	7.5	189.4	3	193.9	0			
TP-1094	5091	196.9	10	6	190.9	3	193.9	6	190.9	1	195.9	0			
TP-1095	5092	194.6	12	5	189.6	3	191.6	5	189.6	1	193.6	0			
TP-1096	5093	195.2	12	5.5	189.7	3	192.2	5.5	189.7	1	194.2	0			
TP-1097	5094	190.1	10	6	184.1	3	187.1	6	184.1	1	189.1	0	5	185.1	PASS
TP-1098	5095	189.9	10	7	182.9	3.5	186.4	7	182.9	1.5	188.4	1/4	6	183.9	FAIL
TP-1099	5096	189.5	6	5	184.5	2	187.5	5	184.5	0.5	189.0	0	4.5	185.0	PASS
TP-1100	5097	189.5	6	4	185.5	1	188.5	4	185.5	0.5	189.0	1/4	4	185.5	FAIL
TP-1101	5098	191.6	6	5.5	186.1	2.5	189.1	5.5	186.1	0.5	191.1	0	4.5	187.1	PASS
TP-1102	5099	192.3	12	8.5	183.8	5	187.3	8.5	183.8	3	189.3	0	6	186.3	FAIL
TP-1103	5100	195.2	12	6	189.2	3.5	191.7	6	189.2	1	194.2	0			
TP-1104	5101	196.2	12	8	188.2	4	192.2	8	188.2	2	194.2	0			
TP-1105	5102	198.3	12	7	191.3	4	194.3	7	191.3	2	196.3	1			
TP-1106	5103	199.1	12	7	192.1	4	195.1	7	192.1	2	197.1	0			
TP-1107	5104	200.6	12	5	195.6	3	197.6	5	195.6	1	199.6	1-1/2			
TP-1108	5105	201.7	12	7	194.7	4	197.7	7	194.7	2	199.7	1			
TP-1109	5125	211.5	12	6	205.5	4	207.5	6	205.5	2	209.5	1/2			
TP-1110	5124	207.1	12	6	201.1	4	203.1	6	201.1	2	205.1	0			
TP-1111	5123	187.6	6	6	181.6	1	186.6	6	181.6	0.75	186.9	* *N/A*			
TP-1112	5122	185.2	12	6	179.2	6	179.2	6	179.2	1	184.2	0			
TP-1113	5035	182.4	10	6.5	175.9	3	179.4	6.5	175.9	1	181.4	0	5	177.4	FAIL
TP-1114	5034	187.2	12	6	181.2	3	184.2	6	181.2	1	186.2	0	5	182.2	FAIL
TP-1115	5049	200.4	8	7	193.4	3	197.4	7	193.4	1	199.4	0	7	193.4	PASS
TP-1116	5048	195.7	10	7	188.7	3.5	192.2	7	188.7	1.5	194.2	0	7	188.7	PASS
TP-1117	5047	192.3	10	8	184.3	2.5	189.8	8	184.3	1	191.3	1/2	5	187.3	PASS
TP-1118	5046	187.0	8	8	179.0	4	183.0	8	179.0	2	185.0	1/2	6	181.0	PASS
TP-1119	5045	182.3	8	8	174.3	3	179.3	8	174.3	1	181.3	6	5	177.3	FAIL
TP-1120	5044	195.6	10	7	188.6	2.5	193.1	7	188.6	1	194.6	6	5	190.6	FAIL
TP-1121	5036	180.7	10	7	173.7	4.5	176.2	7	173.7	2.5	178.2	0	6.5	174.2	FAIL
TP-1122	5037	182.6	10	5.5	177.1	2.5	180.1	5.5	177.1	1	181.6	0	4.5	178.1	FAIL
TP-1123	5038	184.4	10	5.5	178.9	2.5	181.9	5.5	178.9	1	183.4	1/4	4.5	179.9	FAIL
TP-1124	5039	187.8	10	5.5	182.3	3	184.8	5.5	182.3	1	186.8	0	5	182.8	PASS
TP-1125	5040	189.0	10	7	182.0	3	186.0	7	182.0	1	188.0	* *N/A*	5	184.0	** FAIL
TP-1126	5041	190.7	10	7	183.7	5	185.7	7	183.7	3	187.7	1/4	7	183.7	FAIL
TP-1127	5042	199.2	8	6	193.2	4	195.2	6	193.2	2	197.2	0	6	193.2	PASS
TP-1128	5043	193.5	10	6	187.5	4	189.5	6	187.5	2	191.5	0	6	187.5	FAIL
TP-1129	5139	209.0	8	8	201.0	3	206.0	8	201.0	1	208.0	1/4			
TP-1130	5138	207.4	8	10	197.4	4	203.4	10	197.4	2	205.4	1/4			
TP-1131	***N/A	212	10	6	206.0	3	209.0	6	206.0	1	211.0	12			
TP-1132	***N/A	210	10	6	204.0	4	206.0	6	204.0	2	208.0	1/2			
TP-1133	5130	212.5	10	6	206.5	4	208.5	6	206.5	2	210.5	1/2			
TP-1134	5131	213.9	8	6.5	207.4	4.5	209.4	6.5	207.4	2.5	211.4	0			
TP-1135	5132	214.4	8	3	211.4										
TP-1135A	5132	214.4	8	6	208.4	4	210.4	6	208.4	2	212.4	1/2			
TP-1136	5133	214.6	6	6	208.6	4	210.6	6	208.6	2	212.6	1/2			

		GROUND SURFACE		DEPTH		BEDROCK				INFILTRATION TEST RESULTS					
Test Pit Number	Stake Number	Ground Surface EL (Ft.)	Topsoil (In.)	Total Depth (Ft.)	Bottom of Excavation EL (Ft.)	Top of HW Rock (Ft.)	Top of HW Rock EL (Ft.)	Refusal Depth (Ft.)	Refusal EL (Ft.)	In-situ Infiltration Test Depth (Ft.)	In-situ Infiltration Test EL (Ft.)	Measured Infiltration Rate (in/hr)	Basin Flood Test Depth (Ft.)	Basin Flood Test EL (Ft.)	Basin Flood Test Results (PASS/FAIL)
TP-1137	5134	213.7	8	6.5	207.2	4	209.7	6.5	207.2	2	211.7	1/4			
TP-1138	5135	211.9	8	7	204.9	3.5	208.4	7	204.9	1.5	210.4	9			
TP-1139	5126	206.8	12	5	201.8	3	203.8	5	201.8	1	205.8	0			
TP-1140	5127	205.1	8	4	201.1	2	203.1	4	201.1	1	204.1	1/2			
TP-1141	5129	201.6	8	5	196.6	3	198.6	5	196.6	1	200.6	0			
TP-1142	5128	200.0	8	5	195.0	4	196.0	5	195.0	2	198.0	1/2			
TP-1143	5142	213.3	10	8	205.3	4	209.3	8	205.3	2	211.3	0			
TP-1144	5141	213.4	10	7	206.4	3.5	209.9	7	206.4	1.5	211.9	0			
TP-1145	5140	213.2	10	6.5	206.7	4	209.2	6.5	206.7	2	211.2	0			
TP-1146	5144	207.1	10	7	200.1	4	203.1	7	200.1	1.5	205.6	0			
TP-1147	5143	207.1	10	8	199.1	4	203.1	8	199.1	2	205.1	1/2			
TP-1148	5054	202.3	12	4	198.3	2	200.3	4	198.3	1	201.3	1/2	4	198.3	FAIL
TP-1149	5053	202.8	12	7	195.8	3.5	199.3	7	195.8	1.5	201.3	1/2	5	197.8	PASS
TP-1150	5052	200.2	12	7	193.2	3.5	196.7	7	193.2	1.5	198.7	0	5	195.2	PASS
TP-1151	5051	197.6	10	7	190.6	3	194.6	7	190.6	1	196.6	0	5	192.6	FAIL
TP-1152	5050	197.5	12	7	190.5	4	193.5	7	190.5	2	195.5	0	6	191.5	FAIL

NOTES:

* *Infiltration test attempted. Double-ring could not be properly seated to prevent leaking due to shallow rock.*

** *Basin flood test attempted. Terminated due to water seepage.*

*** *Missing stake number, could not be located in the field.*

APPENDIX C

Exploration Logs

NOTES FOR EXPLORATION LOGS

KEY TO USCS TERMINOLOGY AND GRAPHIC SYMBOLS

MAJOR DIVISIONS (BASED UPON ASTM D 2488)				SYMBOLS GRAPHIC	SYMBOLS LETTER
COARSE-GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 15% PASSING THE NO. 200 SIEVE)			GW
					GP
		GRAVELS WITH FINES (MORE THAN 15% PASSING THE NO. 200 SIEVE)			GM
					GC
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LESS THAN 15% PASSING THE NO. 200 SIEVE)			SW
					SP
		SANDS WITH FINES (MORE THAN 15% PASSING THE NO. 200 SIEVE)			SM
					SC
FINE-GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILT OR CLAY (<15% RETAINED ON THE NO. 200 SIEVE) SILT OR CLAY WITH SAND OR GRAVEL (15% TO 30% RETAINED ON THE NO. 200 SIEVE) SANDY OR GRAVELLY SILT OR CLAY (>30% RETAINED ON THE NO. 200 SIEVE)	SILTS AND LEAN CLAYS LIQUID LIMIT LESS THAN 50			ML
					CL
					OL
		ELASTIC SILTS AND FAT CLAYS LIQUID LIMIT GREATER THAN 50			MH
					CH
					OH
HIGHLY ORGANIC SOILS					PT

NOTE: DUAL SYMBOLS ARE USED TO INDICATE COARSE-GRAINED SOILS WHICH CONTAIN AN ESTIMATED 5 TO 15% FINES BASED ON VISUAL CLASSIFICATION OR BETWEEN 5 AND 12% FINES BASED ON LABORATORY TESTING; AND FINE-GRAINED SOILS WHEN THE PLOT OF LIQUID LIMIT & PLASTICITY INDEX VALUES FALLS IN THE PLASTICITY CHART'S CROSS-HATCHED AREA. FINE-GRAINED SOILS ARE CLASSIFIED AS ORGANIC (OL OR OH) WHEN ENOUGH ORGANIC PARTICLES ARE PRESENT TO INFLUENCE ITS PROPERTIES. LABORATORY TEST RESULTS ARE USED TO SUPPLEMENT SOIL CLASSIFICATION BY THE VISUAL-MANUAL PROCEDURES OF ASTM D 2488.

ADDITIONAL TERMINOLOGY AND GRAPHIC SYMBOLS

	DESCRIPTION		GRAPHIC SYMBOLS
ADDITIONAL DESIGNATIONS	TOPSOIL		
	MAN MADE FILL		
	GLACIAL TILL		
	COBBLES AND BOULDERS		
RESIDUAL SOIL DESIGNATIONS	DESCRIPTION	"N" VALUE	
	HIGHLY WEATHERED ROCK	50 TO 50/1"	
	PARTIALLY WEATHERED ROCK	MORE THAN 50 BLOWS FOR 1" OF PENETRATION OR LESS, AUGER PENETRABLE	

COARSE-GRAINED SOILS
(GRAVEL AND SAND)

DESIGNATION	BLOWS PER FOOT (BPF) "N"
VERY LOOSE	0 - 4
LOOSE	5 - 10
MEDIUM DENSE	11 - 30
DENSE	31 - 50
VERY DENSE	>50

NOTE: "N" VALUE DETERMINED AS PER ASTM D 1586

FINE-GRAINED SOILS
(SILT AND CLAY)

CONSISTENCY	BPF "N"
VERY SOFT	<2
SOFT	2 - 4
MEDIUM STIFF	5 - 8
STIFF	9 - 15
VERY STIFF	16 - 30
HARD	>30

NOTE: ADDITIONAL DESIGNATIONS TO ADVANCE SAMPLER INDICATED IN BLOW COUNT COLUMN:
WOH = WEIGHT OF HAMMER
WOR = WEIGHT OF ROD(S)

SAMPLE TYPE

DESIGNATION	SYMBOL
SOIL SAMPLE	S-
SHELBY TUBE	U-
ROCK CORE	R-

WATER DESIGNATION

DESCRIPTION	SYMBOL
ENCOUNTERED DURING DRILLING	▽
UPON COMPLETION OF DRILLING	▼
24 HOURS AFTER COMPLETION	▼

NOTE: WATER OBSERVATIONS WERE MADE AT THE TIME INDICATED. POROSITY OF SOIL STRATA, WEATHER CONDITIONS, SITE TOPOGRAPHY, ETC. MAY CAUSE WATER LEVEL CHANGES.

LOG OF TEST PIT NO. TP-1001 (Stake #5000)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **155.7 Ft.**
DATUM: **TOPO**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
154.9				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, SILT [Silt per USDA]	
	2				
				- Brown (7.5YR 5/3) at 3 Ft.	
151.7	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration test = 0 in/hr at 3-1/2 Ft. - NMC = 19.7%
149.7	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	8				- Basin Flood Test performed at 8 Ft.
146.7				Test pit complete at 9 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1001 (Stake #5000)

LOG OF TEST PIT NO. TP-1002 (Stake #5001)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **153.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
153.0		ML		Brown (7.5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
	2				
				- Brown (7.5YR 5/3) at 3 Ft.	
	4				- Infiltration rate = 0 in/hr at 4 Ft.
148.8		GM		Red-brown (5YR 4/4), wet, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Slight perched water seepage at 5 Ft.
147.8	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
145.8	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 8 Ft.
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1002 (Stake #5001)

LOG OF TEST PIT NO. TP-1003 (Stake #5002)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **151.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
151.1				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
				- Brown (7.5YR 5/3) at 3 Ft.	- Infiltration rate = 0 in/hr at 3 Ft.
147.8	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
146.3		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
	8				- Basin Flood Test performed at 8 Ft.
	10				
140.8				Test pit complete at 11 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1003 (Stake #5002)

LOG OF TEST PIT NO. TP-1004 (Stake #5003)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **150.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
149.8		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
				- Brown (7.5YR 5/3) at 3 Ft.	
	4				
145.6		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.5 in/hr at 5 Ft.
	6				
144.1		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	8				
	10				- Basin Flood Test performed at 9-1/2 Ft.
138.6	12			Test pit complete at 12 Ft. due to refusal on highly-weathered rock.	
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1004 (Stake #5003)

LOG OF TEST PIT NO. TP-1005 (Stake #5004)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **149.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
148.4		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
					- Infiltration rate = 0 in/hr at 3-1/2 Ft.
145.2	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	6				
141.2	8	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 9 Ft.
139.2	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1005 (Stake #5004)

LOG OF TEST PIT NO. TP-1006 (Stake #5005)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/12/2023**
DATE COMPLETED: **10/12/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **147.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
146.3				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
				- Red-brown (5YR 4/4) at 3 Ft.	
	4				- Infiltration rate = 0 in/hr at 4 Ft.
142.1		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	6				
139.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Slight perched water seepage at 7-1/2 Ft.
	8				- Basin Flood Test performed at 9 Ft.
137.1	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	- Slight trapped water seepage at 10 Ft.
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1006 (Stake #5005)

LOG OF TEST PIT NO. TP-1007 (Stake #5006)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **149.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
148.6				6 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2			- Brown (7.5YR 5/3) at 2 Ft.	
				- Red-brown (5YR 4/4) at 3 Ft.	
	4				- Infiltration rate = 0.5 in/hr at 5 Ft.
143.1	6	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
141.6		HW		Red-brown (5YR 5/3), moist, Highly-weathered ROCK (Shale)	- Slight perched water seepage at 7-1/2 Ft. - Basin Flood Test performed at 8 Ft. after slight seepage ceased.
	8				
	10				
138.1				Test pit complete at 11 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1007 (Stake #5006)

LOG OF TEST PIT NO. TP-1008 (Stake #5007)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **151.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
150.5		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
				- Brown (7.5YR 5/3) at 3 Ft.	
	4			- Red-brown (5YR 4/4) at 4 Ft.	- Infiltration rate = 0 in/hr at 4 Ft. - NMC = 22.1%
146.3		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
145.3	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	8				- Basin Flood Test performed at 8 Ft.
142.3				Test pit complete at 9 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1008 (Stake #5007)

LOG OF TEST PIT NO. TP-1009 (Stake #5008)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **154.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
153.4		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
151.2		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 3 Ft.
	4				
148.2	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
146.2	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 8 Ft.
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1009 (Stake #5008)

LOG OF TEST PIT NO. TP-1010 (Stake #5009)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **158.5**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
157.7		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				
155.5		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4				- Infiltration rate = 3 in/hr at 4 Ft.
152.5	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	8				- Basin Flood Test at 8 Ft.
148.5	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1010 (Stake #5009)

LOG OF TEST PIT NO. TP-1011 (Stake #5061)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
186.4		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 4.5 in/hr at 1 Ft.
	2				
184.2		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
181.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1011 (Stake #5061)

LOG OF TEST PIT NO. TP-1012 (Stake #5062)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
188.3		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft. - NMC = 22.6%
185.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
182.1				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1012 (Stake #5062)

LOG OF TEST PIT NO. TP-1013 (Stake #5060)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **198.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
198.0				10 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
196.3		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
193.8				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1013 (Stake #5060)

LOG OF TEST PIT NO. TP-1014 (Stake #5059)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **198.5 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
197.7				10 In. of Topsoil	
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
195.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
192.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	- Slight trapped water seepage at 6 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1014 (Stake #5059)

LOG OF TEST PIT NO. TP-1015 (Stake #5058)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **195.9 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
195.1				10 In. of Topsoil	
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
192.9	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
190.9	6			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1015 (Stake #5058)

LOG OF TEST PIT NO. TP-1016 (Stake #5057)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **194.5 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
193.7		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft. - NMC = 19.7%
	2				
191.5		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
189.5				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1016 (Stake #5057)

LOG OF TEST PIT NO. TP-1017 (Stake #5056)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
192.2				6 In. of Topsoil	- Infiltration rate = 24 in/hr at 1/2 Ft. - NMC = 17.9%
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
191.2		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	2				
	4				
186.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1017 (Stake #5056)

LOG OF TEST PIT NO. TP-1018 (Stake #5055)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
191.8				6 In. of Topsoil	
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 3 in/hr at 1 Ft.
	2				
189.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
186.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1018 (Stake #5055)

LOG OF TEST PIT NO. TP-1019 (Stake #5012)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
187.0				8 In. of Topsoil	- Infiltration rate = 12 in/hr at 1/2 Ft.
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
186.2	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
182.2	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 5 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1019 (Stake #5012)

LOG OF TEST PIT NO. TP-1020 (Stake #5011)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/13/2023**
DATE COMPLETED: **10/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
181.6		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
180.9	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
176.4	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1020 (Stake #5011)

LOG OF TEST PIT NO. TP-1021 (Stake #5010)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/17/2023**
DATE COMPLETED: **10/17/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **181.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
180.9		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft.
	2				
178.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
175.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1021 (Stake #5010)

LOG OF TEST PIT NO. TP-1022 (Stake #5013)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/17/2023**
DATE COMPLETED: **10/17/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
182.0				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Gravelly SILT [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft. - NMC = 20.5%
180.8	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 4 Ft.
177.8				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1022 (Stake #5013)

LOG OF TEST PIT NO. TP-1023 (Stake #5014)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
188.5				10 In. of Topsoil	
		ML		Brown (10YR 5/3), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
185.3	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
183.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1023 (Stake #5014)

LOG OF TEST PIT NO. TP-1024 (Stake #5015)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

GROUNDWATER ENCOUNTERED: **N/E**
DATE STARTED: **10/18/2023**
GROUND SURFACE ELEVATION: **190.3 Ft.**
DATE COMPLETED: **10/18/2023**
DATUM: **Survey**
CONTRACTOR: **J.A. Neary Excavating**
LOGGED BY: **AFS**
EQUIPMENT: **Case CX160**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
189.5				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
	2				
186.3	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 7 Ft.
	6				
182.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1024 (Stake #5015)

LOG OF TEST PIT NO. TP-1025 (Stake #5016)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/18/2023**
DATE COMPLETED: **10/18/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **191.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
190.4				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration test = 0 in/hr at 2 Ft.
187.2	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				- Basin Flood Test performed at 6 Ft.
184.2				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1025 (Stake #5016)

LOG OF TEST PIT NO. TP-1026 (Stake #5017)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/17/2023**
DATE COMPLETED: **10/17/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
192.2	0			6 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Gravelly SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 3 Ft. - NMC = 21.6%
187.7	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 7 Ft.
184.7	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1026 (Stake #5017)

LOG OF TEST PIT NO. TP-1027 (Stake #5019)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/17/2023**
DATE COMPLETED: **10/17/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **193.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
193.1	0			6 In. of Topsoil	
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft.
191.6	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
189.6	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1027 (Stake #5019)

LOG OF TEST PIT NO. TP-1028 (Stake #5145)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/20/2023**
DATE COMPLETED: **10/20/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **194.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
193.1		ML		Brown (7.5YR 5/3), moist, SILT [Silt per USDA]	- NMC = 24.2% - Infiltration rate = 0 in/hr at 2 Ft.
	2				
190.6		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
190.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
188.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1028 (Stake #5145)

LOG OF TEST PIT NO. TP-1029 (Stake #5146)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/20/2023**
DATE COMPLETED: **10/20/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **193.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
192.6		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
190.4		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
189.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
187.9				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1029 (Stake #5146)

LOG OF TEST PIT NO. TP-1030 (Stake #5147)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.0 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
186.2		ML		Brown (7.5YR 4/4), moist, SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
185.0	2	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
184.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
182.0				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1030 (Stake #5147)

LOG OF TEST PIT NO. TP-1031 (Stake #5148)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **186.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
185.5		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
183.3		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
182.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
180.8				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1031 (Stake #5148)

LOG OF TEST PIT NO. TP-1032 (Stake #5149)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
182.2				8 In. of Topsoil	
		ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
180.9	2	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
179.9		HW		Very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
177.9				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1032 (Stake #5149)

LOG OF TEST PIT NO. TP-1033 (Stake #5150)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **183.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
182.8		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
180.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
178.1				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1033 (Stake #5150)

LOG OF TEST PIT NO. TP-1034 (Stake #5151)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **194.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
193.3		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.5 in/hr at 1-1/2 Ft.
	2				
190.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
188.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1034 (Stake #5151)

LOG OF TEST PIT NO. TP-1035 (Stake #5152)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/14/2023**
DATE COMPLETED: **11/14/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **181.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
180.4		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 1 in/hr at 1 Ft.
	2				
178.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
175.7				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1035 (Stake #5152)

LOG OF TEST PIT NO. TP-1036 (Stake #5020)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/23/2023**
DATE COMPLETED: **10/23/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **168.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
168.1		ML		Dark yellow-brown (10YR 3/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
					- Infiltration rate = 0.125 in/hr at 3 Ft.
	4				
164.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
161.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1036 (Stake #5020)

LOG OF TEST PIT NO. TP-1037 (Stake #5021)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/23/2023**
DATE COMPLETED: **10/23/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **169.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
168.6		ML		Red-brown (5YR 4/4), moist, Gravelly SILT with sand [Silt Loam per USDA]	
	2				- NMC = 16.4%
					- Infiltration rate = 0.125 in/hr at 3 Ft.
	4				
164.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
161.9					- Basin Flood Test performed at 7 Ft.
				Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1037 (Stake #5021)

LOG OF TEST PIT NO. TP-1038 (Stake #5022)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/23/2023**
DATE COMPLETED: **10/23/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **172.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
172.1				10 In. of Topsoil	
		SM		Dark brown (7.5YR 3/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				
169.4					
	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 3 in/hr at 3-1/2 Ft.
167.4					
	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
					- Basin Flood Test performed at 7 Ft.
164.9	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1038 (Stake #5022)

LOG OF TEST PIT NO. TP-1039 (Stake #5023)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/23/2023**
DATE COMPLETED: **10/23/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **174.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
173.8		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	2				- Infiltration rate = 1.5 in/hr at 2 Ft.
170.8	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				- Basin Flood Test performed at 7 Ft.
166.8	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1039 (Stake #5023)

LOG OF TEST PIT NO. TP-1040 (Stake #5024)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/23/2023**
DATE COMPLETED: **10/23/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **179.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
179.3				6 In. of Topsoil	
		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 1-1/2 Ft.
176.3					
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				- Basin Flood Test performed at 6 Ft.
172.8				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1040 (Stake #5024)

LOG OF TEST PIT NO. TP-1041 (Stake #5025)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/24/2023**
DATE COMPLETED: **10/24/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **177.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
177.0				6 In. of Topsoil	
		SM		Dark yellow-brown (10YR 4/6), moist, Silty SAND [Sandy Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1/2 Ft.
	2				
175.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
171.0				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1041 (Stake #5025)

LOG OF TEST PIT NO. TP-1042 (Stake #5026)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/24/2023**
DATE COMPLETED: **10/24/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **179.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
178.8				6 In. of Topsoil	
		SM		Brown (7.5YR 4/6), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
177.3	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
173.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1042 (Stake #5026)

LOG OF TEST PIT NO. TP-1043 (Stake #5027)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/24/2023**
DATE COMPLETED: **10/24/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **183.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
183.3				6 In. of Topsoil	
		ML		Brown (7.5YR 4/6), moist, SILT [Silt per USDA]	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 21.6%
	2	ML			
180.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
177.8	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1043 (Stake #5027)

LOG OF TEST PIT NO. TP-1044 (Stake #5028)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/24/2023**
DATE COMPLETED: **10/24/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
182.1				8 In. of Topsoil	
		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
179.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 4-1/2 Ft.
176.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1044 (Stake #5028)

LOG OF TEST PIT NO. TP-1045 (Stake #5029)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/24/2023**
DATE COMPLETED: **10/24/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **183.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
182.8	0			8 In. of Topsoil	
		SM		Brown (7.5YR 4/6), moist, Silty SAND [Sandy Loam per USDA]	
180.9	2	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.5 in/hr at 3 Ft.
178.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
176.4	6			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1045 (Stake #5029)

LOG OF TEST PIT NO. TP-1046 (Stake #5085)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **188.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
187.5		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0.25 in/hr at 2 Ft.
184.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
182.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1046 (Stake #5085)

LOG OF TEST PIT NO. TP-1047 (Stake #5086)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **191.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
191.4				6 In. of Topsoil	- Infiltration rate = 0 in/hr at 1/2 Ft.
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
190.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	2				
	4				
185.9	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1047 (Stake #5086)

LOG OF TEST PIT NO. TP-1048 (Stake #5087)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **193.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
192.8				8 In. of Topsoil	
		ML		Brown (7.5YR 4/6) and red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
189.4	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
186.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1048 (Stake #5087)

LOG OF TEST PIT NO. TP-1049 (Stake #5088)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
189.1		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 11.9%
	2				
186.9		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
181.9	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1049 (Stake #5088)

LOG OF TEST PIT NO. TP-1050 (Stake #5082)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **190.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
189.6		SM		Brown (7.5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
186.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
184.4	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1050 (Stake #5082)

LOG OF TEST PIT NO. TP-1051 (Stake #5083)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **190.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
189.7				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2			- Red-brown (5YR 4/4), moist, Gravelly SILT with sand [Loam per USDA] at 2-1/2 Ft.	- Infiltration rate = 0 in/hr at 2-1/2 Ft. - NMC = 10.0%
	4				
185.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
183.8				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1051 (Stake #5083)

LOG OF TEST PIT NO. TP-1052 (Stake #5084)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/26/2023**
DATE COMPLETED: **10/26/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
188.8				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
				- with gravel at 3 Ft.	
185.6	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
183.6	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1052 (Stake #5084)

LOG OF TEST PIT NO. TP-1053 (Stake #5079)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/20/2023**
DATE COMPLETED: **10/20/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **199.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
198.4		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1-1/2 Ft.
	2			- Brown (7.5YR 5/3) at 3 Ft.	- NMC = 22.1%
195.9		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
194.9				Test pit complete at 4-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1053 (Stake #5079)

LOG OF TEST PIT NO. TP-1054 (Stake #5080)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/20/2023**
DATE COMPLETED: **10/20/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
199.3		CL		Dark yellow-brown (10YR 4/6), moist, Sandy Lean CLAY [Clay per USDA]	
198.3	2	ML		Dark yellow-brown (10YR 4/6) and light brown-gray (10YR 6/2), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 2 Ft.
196.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
195.3				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1054 (Stake #5080)

LOG OF TEST PIT NO. TP-1055 (Stake #5081)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/20/2023**
DATE COMPLETED: **10/20/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.9 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
199.9	2	ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA] - Red-brown (5YR 4/4), with gravel at 2 Ft.	- Infiltration rate = 0 in/hr at 2 Ft.
196.9	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
194.9	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1055 (Stake #5081)

LOG OF TEST PIT NO. TP-1056 (Stake #5073)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.9 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
200.2				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, SILT [Silt Loam per USDA]	
	2				
	4				- Infiltration rate = 0 in/hr at 4 Ft.
				- Red-brown (5YR 4/4), with gravel at 5 Ft.	
	6				
194.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Slight perched water seepage at 6-1/2 Ft.
	8				
190.9	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1056 (Stake #5073)

LOG OF TEST PIT NO. TP-1057 (Stake #5074)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **201.0 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				8 In. of Topsoil	
200.3		CL		Dark yellow-brown (10YR 4/6), moist, Lean CLAY [Clay per USDA]	
	2				
	4				- NMC = 22.1% - Infiltration rate = 0 in/hr at 4 Ft.
196.0		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
	6				
194.5		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Rapid perched water seepage at 6-1/2 Ft.
	8				
	10				
189.0	12			Test pit complete at 12 Ft. due to refusal on highly-weathered rock.	
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1057 (Stake #5074)

LOG OF TEST PIT NO. TP-1058 (Stake #5075)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
199.4	0			8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
198.1	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
195.1				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1058 (Stake #5075)

LOG OF TEST PIT NO. TP-1059 (Stake #5076)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.0 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
199.3				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
197.5	2				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
195.0				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1059 (Stake #5076)

LOG OF TEST PIT NO. TP-1060 (Stake #5077)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **197.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
196.9				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 1.5 in/hr at 1 Ft.
196.1	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
190.6	8			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1060 (Stake #5077)

LOG OF TEST PIT NO. TP-1061 (Stake #5078)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/19/2023**
DATE COMPLETED: **10/19/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **197.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
196.6				8 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
194.3		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
190.3				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1061 (Stake #5078)

LOG OF TEST PIT NO. TP-1062 (Stake #5072)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **203.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
202.9		ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt per USDA]	
	2				
200.7		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 3 Ft.
	4				
198.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Rapid perched water seepage at 5 Ft.
	6				
195.7	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1062 (Stake #5072)

LOG OF TEST PIT NO. TP-1063 (Stake #5071)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **203.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
202.7				10 In. of Topsoil	
		ML		Red-brown (5YR 4/3), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
	2				
	4				
199.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Rapid trapped water seepage at 5 Ft.
	6				
195.5	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1063 (Stake #5071)

LOG OF TEST PIT NO. TP-1064 (Stake #5070)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **203.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
203.0				10 In. of Topsoil	
		GM		Dark brown (10YR 3/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
201.8	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
	4				
198.8				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1064 (Stake #5070)

LOG OF TEST PIT NO. TP-1065 (Stake #5069)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **204.1 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
203.3		GM		Dark brown (10YR 3/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
202.1	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
198.6	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1065 (Stake #5069)

LOG OF TEST PIT NO. TP-1066 (Stake #5068)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **204.1 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
203.3		GM		Dark brown (10YR 3/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
202.6	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
198.6	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1066 (Stake #5068)

LOG OF TEST PIT NO. TP-1067 (Stake #5067)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **204.1 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
203.3		GM		Dark brown (10YR 3/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
202.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	2				
	4				
198.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1067 (Stake #5067)

LOG OF TEST PIT NO. TP-1068 (Stake #5066)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **206.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
205.8				10 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
203.6	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.6				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1068 (Stake #5066)

LOG OF TEST PIT NO. TP-1069 (Stake #5065)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **206.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
206.3				8 In. of Topsoil	
		GM		Brown (10YR 4/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration test attempted at 1 Ft.
205.4	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
201.4	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1069 (Stake #5065)

LOG OF TEST PIT NO. TP-1070 (Stake #5064)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **205.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
205.1				8 In. of Topsoil	
		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration test attempted at 1 Ft.
204.2	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
198.7				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1070 (Stake #5064)

LOG OF TEST PIT NO. TP-1071 (Stake #5063)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/27/2023**
DATE COMPLETED: **10/27/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **204.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
203.2	2	GM		Dark brown (10YR 3/3), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration test attempted at 1 Ft.
201.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
199.2	6			Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1071 (Stake #5063)

LOG OF TEST PIT NO. TP-1072 (Stake #5121)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **186.1 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
185.3		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 2 in/hr at 1 Ft.
	2				
183.1		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
179.1				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1072 (Stake #5121)

LOG OF TEST PIT NO. TP-1073 (Stake #5120)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **183.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
183.0		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 2 in/hr at 1 Ft. - NMC = 16.4%
	2				
180.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
176.3				Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1073 (Stake #5120)

LOG OF TEST PIT NO. TP-1074 (Stake #5119)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **181.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
180.6		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 2 in/hr at 1 Ft.
	2				
178.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
174.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1074 (Stake #5119)

LOG OF TEST PIT NO. TP-1075 (Stake #5118)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **179.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
179.0		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 2 in/hr at 1 Ft.
	2				
176.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
173.8	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1075 (Stake #5118)

LOG OF TEST PIT NO. TP-1076 (Stake #5117)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
199.5		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
198.3	2	GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
197.3		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
193.8				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1076 (Stake #5117)

LOG OF TEST PIT NO. TP-1077 (Stake #5116)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **201.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
200.4		ML		Dark yellow-brown (10YR 3/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
199.2	2	GM		Dark yellow-brown (10YR 3/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
198.2		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
195.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1077 (Stake #5116)

LOG OF TEST PIT NO. TP-1078 (Stake #5030)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **197.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
196.8				10 In. of Topsoil	
		ML		Yellow-brown (10YR 5/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				
194.6		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 3 Ft.
	4				
192.6		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	6				
189.6	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 8 Ft.
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1078 (Stake #5030)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1079 (Stake #5031)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **196.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			8 In. of Topsoil	
196.2		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
193.9		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
191.9				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 5 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1079 (Stake #5031)

LOG OF TEST PIT NO. TP-1080 (Stake #5032)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **194.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
194.2				8 In. of Topsoil	
		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 15.6%
	2				
191.9		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
187.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1080 (Stake #5032)

LOG OF TEST PIT NO. TP-1081 (Stake #5033)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
192.1	0			8 In. of Topsoil	
	2	GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
190.8		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
	6				- Basin Flood Test performed at 5 Ft.
185.8	8			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1081 (Stake #5033)

Sheet 1 of 1

LOG OF TEST PIT NO. TP-1082 (Stake #5106)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **208.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
207.6				10 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
204.4	4				
		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
200.4	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1082 (Stake #5106)

LOG OF TEST PIT NO. TP-1083 (Stake #5107)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/02/2023**
DATE COMPLETED: **11/02/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **208.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
207.9				10 In. of Topsoil	
	2	ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
205.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
202.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1083 (Stake #5107)

LOG OF TEST PIT NO. TP-1084 (Stake #5108)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **208.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
208.1				10 In. of Topsoil	
	2	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
205.9	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
202.9	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1084 (Stake #5108)

LOG OF TEST PIT NO. TP-1085 (Stake #5109)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **208.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
207.9				10 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
206.2		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
204.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
202.2				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1085 (Stake #5109)

LOG OF TEST PIT NO. TP-1086 (Stake #5110)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
206.9		Cl		Red-brown (5YR 4/4), moist, Lean CLAY [Clay per USDA]	
	2				- NMC = 20.3%
204.7		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
	4				
203.2		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.7	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1086 (Stake #5110)

LOG OF TEST PIT NO. TP-1087 (Stake #5111)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
206.5		ML		Brown (7.5YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
204.3		SM		Brown (10YR 4/6), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
	4				
202.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.3	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1087 (Stake #5111)

LOG OF TEST PIT NO. TP-1088 (Stake #5112)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **206.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
205.6				10 In. of Topsoil	
		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
202.4	4				- Infiltration rate = 0 in/hr at 3-1/2 Ft.
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
200.9					
	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
198.9					
	8			Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1088 (Stake #5112)

LOG OF TEST PIT NO. TP-1089 (Stake #5113)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **205.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
204.7		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
	4				- Infiltration rate = 0 in/hr at 4-1/2 Ft.
200.5		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	6				
199.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
197.5	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1089 (Stake #5113)

LOG OF TEST PIT NO. TP-1090 (Stake #5114)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **205.0 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
204.2				10 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
202.0		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
200.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
198.5	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1090 (Stake #5114)

LOG OF TEST PIT NO. TP-1091 (Stake #5115)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/03/2023**
DATE COMPLETED: **11/03/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **204.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
203.6		ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	
	2				
201.4		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0.5 in/hr at 3 Ft.
	4				
199.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
197.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1091 (Stake #5115)

LOG OF TEST PIT NO. TP-1092 (Stake #5089)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **196.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
195.5		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 1 in/hr at 1 Ft.
	2				
193.5		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
	4				
191.5		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
	8				
187.0				Test pit complete at 9-1/2 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1092 (Stake #5089)

LOG OF TEST PIT NO. TP-1093 (Stake #5090)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **196.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
195.9	0			12 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
193.9	4	GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 3 Ft.
191.9	6	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
189.4	8			Test pit complete at 7-1/2 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1093 (Stake #5090)

LOG OF TEST PIT NO. TP-1094 (Stake #5091)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **196.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
196.1				10 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt per USDA]	- Infiltration rate = 0 in/hr at 1 Ft. - NMC = 22.7%
193.9	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
190.9	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1094 (Stake #5091)

LOG OF TEST PIT NO. TP-1095 (Stake #5092)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **194.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
193.6		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
191.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
189.6				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1095 (Stake #5092)

LOG OF TEST PIT NO. TP-1096 (Stake #5093)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **195.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
194.2		ML		Dark yellow-brown (10YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
192.2		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
189.7				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1096 (Stake #5093)

LOG OF TEST PIT NO. TP-1097 (Stake #5094)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **190.1 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
189.3		SM		Red-brown (5YR 4/4), moist, Silty SAND [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
187.1		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
184.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1097 (Stake #5094)

LOG OF TEST PIT NO. TP-1098 (Stake #5095)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.9 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
189.1				10 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0.25 in/hr at 1-1/2 Ft. - NMC = 19.4%
186.4	2				
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				- Basin Flood Test performed at 6 Ft.
182.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1098 (Stake #5095)

LOG OF TEST PIT NO. TP-1099 (Stake #5096)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
189.0	0			6 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1/2 Ft.
187.5	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
184.5				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4-1/2 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1099 (Stake #5096)

LOG OF TEST PIT NO. TP-1100 (Stake #5097)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
189.0				6 In. of Topsoil	
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0.25 in/hr at 1/2 Ft.
188.5		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	2				
185.5	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1100 (Stake #5097)

LOG OF TEST PIT NO. TP-1101 (Stake #5098)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **191.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
191.1				6 In. of Topsoil	
		ML		Brown (7.5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1/2 Ft.
	2				
189.1		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 4-1/2 Ft.
186.1				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1101 (Stake #5098)

LOG OF TEST PIT NO. TP-1102 (Stake #5099)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/25/2023**
DATE COMPLETED: **10/25/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.3 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
191.3	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand and gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 3 Ft.
187.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Moderate trapped water seepage at 6 Ft. - Basin Flood Test attempted at 6 Ft. Terminated due to water seepage.
183.8	6			Test pit complete at 8-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1102 (Stake #5099)

LOG OF TEST PIT NO. TP-1103 (Stake #5100)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **195.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
194.2	2	ML		Brown (7.5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
192.2		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
191.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
189.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1103 (Stake #5100)

LOG OF TEST PIT NO. TP-1104 (Stake #5101)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **196.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
195.2		CL		Brown (7.5YR 4/4), moist, Lean CLAY with sand [Clay per USDA]	- NMC = 23.7% - Infiltration rate = 0 in/hr at 2 Ft.
	2				
193.2		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
192.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
188.2	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1104 (Stake #5101)

LOG OF TEST PIT NO. TP-1105 (Stake #5102)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **198.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
197.3		ML		Brown (7.5YR 4/4), moist, SILT with sand and gravel [Silt Loam per USDA]	
	2				- Infiltration rate = 1 in/hr at 2 Ft.
195.3		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
194.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
191.3				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1105 (Stake #5102)

LOG OF TEST PIT NO. TP-1106 (Stake #5103)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **199.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
198.1		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
196.1		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL [Gravelly Sand per USDA]	
195.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
192.1				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1106 (Stake #5103)

LOG OF TEST PIT NO. TP-1107 (Stake #5104)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
199.6		ML		Brown (7.5YR 5/3), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 1.5 in/hr at 1 Ft.
	2				
197.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
195.6				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1107 (Stake #5104)

LOG OF TEST PIT NO. TP-1108 (Stake #5105)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **201.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
200.7		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 1 in/hr at 2 Ft.
197.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
194.7	7			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1108 (Stake #5105)

LOG OF TEST PIT NO. TP-1109 (Stake #5125)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **211.5 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
210.5		SM		Red-brown (5YR 5/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
207.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
205.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1109 (Stake #5125)

LOG OF TEST PIT NO. TP-1110 (Stake #5124)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
206.1		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
203.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.1	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1110 (Stake #5124)

LOG OF TEST PIT NO. TP-1111 (Stake #5123)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/15/2023**
DATE COMPLETED: **11/15/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
187.1				6 In. of Topsoil	
		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
186.6		HW		Very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	- Infiltration test attempted at 9 In.
	2				
	4				
181.6	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1111 (Stake #5123)

LOG OF TEST PIT NO. TP-1112 (Stake #5122)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/15/2023**
DATE COMPLETED: **11/15/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **185.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			12 In. of Topsoil	
184.2	2	GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
182.2	4	HW		Very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
179.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1112 (Stake #5122)

LOG OF TEST PIT NO. TP-1113 (Stake #5035)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
181.6		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
179.4		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
175.9				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1113 (Stake #5035)

LOG OF TEST PIT NO. TP-1114 (Stake #5034)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/30/2023**
DATE COMPLETED: **10/30/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
186.2		GM		Yellow-brown (10YR 5/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
184.2		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 5 Ft.
181.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1114 (Stake #5034)

LOG OF TEST PIT NO. TP-1115 (Stake #5049)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
199.8				8 In. of Topsoil	
		CL		Red-brown (5YR 4/4), moist, Sandy Lean CLAY [Clay per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
197.4		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
193.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1115 (Stake #5049)

LOG OF TEST PIT NO. TP-1116 (Stake #5048)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **195.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
194.9				10 In. of Topsoil	
		SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
	2				
192.2					
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
188.7				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1116 (Stake #5048)

LOG OF TEST PIT NO. TP-1117 (Stake #5047)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **192.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
191.5		SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft.
	2				
189.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
184.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1117 (Stake #5047)

LOG OF TEST PIT NO. TP-1118 (Stake #5046)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.0 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
186.4	0			8 In. of Topsoil	
	2	SM		Dark yellow-brown (10YR 3/4), moist, Silty SAND [Sandy Loam per USDA]	- Infiltration rate = 0.5 in/hr at 2 Ft.
183.0	4	HW		Red-brown (5YR 4/4) and gray (7.5YR 5/1), moist, Highly-weathered ROCK (Shale)	
	6				- Basin Flood Test performed at 6 Ft.
179.0	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1118 (Stake #5046)

LOG OF TEST PIT NO. TP-1119 (Stake #5045)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
181.7				8 In. of Topsoil	
		ML		Dark yellow-brown (10YR 3/4), moist, Gravelly SILT with sand [Gravelly Silt Loam per USDA]	- Infiltration rate = 6 in/hr at 1 Ft. - NMC = 16.4%
	2				
179.3		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				- Basin Flood Test performed at 5 Ft.
174.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1119 (Stake #5045)

LOG OF TEST PIT NO. TP-1120 (Stake #5044)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/7/2023**
DATE COMPLETED: **11/7/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **195.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
194.8		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 6 in/hr at 1 Ft.
	2				
193.1		HW		Red-brown (5YR 4/4) and gray (7.5YR 5/1), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
188.6				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1120 (Stake #5044)

LOG OF TEST PIT NO. TP-1121 (Stake #5036)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **180.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
179.9		ML		Dark yellow-brown (10YR 4/6), moist, SILT [Silt per USDA]	- NMC = 15.2% - Infiltration rate = 0 in/hr at 2-1/2 Ft.
	2				
	4				
176.2		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	6				
173.7				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6-1/2 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1121 (Stake #5036)

LOG OF TEST PIT NO. TP-1122 (Stake #5037)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **182.6 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
181.8		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
180.1		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 4-1/2 Ft.
177.1				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1122 (Stake #5037)

LOG OF TEST PIT NO. TP-1123 (Stake #5038)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **184.4 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
183.6		GM		Dark yellow-brown (10YR 4/6), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0.25 in/hr at 1 Ft.
	2				
181.9		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				- Basin Flood Test performed at 4-1/2 Ft.
178.9				Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1123 (Stake #5038)

LOG OF TEST PIT NO. TP-1124 (Stake #5039)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **187.8 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
187.0		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
184.8		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
182.3					- Basin Flood Test performed at 5 Ft.
	6			Test pit complete at 5-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1124 (Stake #5039)

LOG OF TEST PIT NO. TP-1125 (Stake #5040)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **189.0 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
188.2		GM		Brown (7.5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration test attempted at 1 Ft.
	2				
186.0		HW		Red-brown (5YR 4/4) to very dark gray (5YR 3/1), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
182.0				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1125 (Stake #5040)

LOG OF TEST PIT NO. TP-1126 (Stake #5041)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **190.7 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
189.9				10 In. of Topsoil	
		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				
					- Infiltration rate = 0.25 in/hr at 3 Ft.
	4				
185.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
183.7				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1126 (Stake #5041)

LOG OF TEST PIT NO. TP-1127 (Stake #5042)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **199.2 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
198.5				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
196.2		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- NMC = 14.5%
195.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
193.2	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1127 (Stake #5042)

LOG OF TEST PIT NO. TP-1128 (Stake #5043)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **10/31/2023**
DATE COMPLETED: **10/31/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **193.5 Ft.**
DATUM: **Survey**
LOGGED BY: **VP**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
192.7		SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
190.5		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
189.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
187.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 6 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1128 (Stake #5043)

LOG OF TEST PIT NO. TP-1129 (Stake #5139)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **209.0 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
208.4				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0.25 in/hr at 1 Ft.
	2				
206.0		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
201.0	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1129 (Stake #5139)

LOG OF TEST PIT NO. TP-1130 (Stake #5138)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
206.8				8 In. of Topsoil	
		ML		Brown (7.5YR 4/6), moist, Sandy SILT with gravel [Silt Loam per USDA]	
	2				- Infiltration rate = 0.25 in/hr at 2 Ft.
203.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
	8				
197.4	10			Test pit complete at 10 Ft. due to refusal on highly-weathered rock.	
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1130 (Stake #5138)

LOG OF TEST PIT NO. TP-1131

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **212 Ft.**
DATUM: **TOPO**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0			10 In. of Topsoil	
211.2		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 12 in/hr at 1 Ft.
209.0	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
206.0	4			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation are approximate.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1131

LOG OF TEST PIT NO. TP-1132

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/13/2023**
DATE COMPLETED: **11/13/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **210 Ft.**
DATUM: **TOPO**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
209.2				10 In. of Topsoil	
		ML		Dark brown (7.5YR 3/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
				- with gravel at 3 Ft.	
206.0	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
204.0	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation are approximate.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1132

LOG OF TEST PIT NO. TP-1133 (Stake #5130)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **212.5 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
211.7		ML		Brown (7.5YR 4/6), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
208.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
206.5	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1133 (Stake #5130)

LOG OF TEST PIT NO. TP-1134 (Stake #5131)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **213.9 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
213.3	0			8 In. of Topsoil	
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 2-1/2 Ft.
209.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
207.4	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1134 (Stake #5131)

LOG OF TEST PIT NO. TP-1135 (Stake #5132)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **214.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
213.8				8 In. of Topsoil	
				FILL - Red-brown (5YR 4/4), moist, sandy silt with bricks [Silt Loam per USDA]	
	2			- with an abandoned metal pipe (possibly water line) at 2-1/2 Ft.	
211.4				Test pit terminated at 3 Ft. due to existing utility.	- Offset 3 Ft. to the west and continued at TP-1135A.
	4				
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1135 (Stake #5132)

LOG OF TEST PIT NO. TP-1135A (Stake #5132)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **214.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
213.8				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, SILT [Silt per USDA]	
	2			- with gravel at 2-1/2 Ft.	- Infiltration rate = 0.5 in/hr at 2 Ft. - NMC = 22.2%
210.4	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
208.4	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1135A (Stake #5132)

LOG OF TEST PIT NO. TP-1136 (Stake #5133)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **214.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
214.1				6 In. of Topsoil	
				FILL - Red-brown (5YR 4/4), moist, sandy silt with gravel [Silt Loam per USDA] - with concrete fragments at 1 Ft.	
	2			- with plastic and scrap metal at 2 Ft.	- Infiltration rate = 0.5 in/hr at 2 Ft.
210.6	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
208.6	6			Test pit complete at 6 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1136 (Stake #5133)

LOG OF TEST PIT NO. TP-1137 (Stake #5134)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **213.7 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
213.1	0			8 In. of Topsoil	
	2	SM		Red-brown (5YR 4/4), moist, Silty SAND with gravel [Sandy Loam per USDA]	- Infiltration rate = 0.25 in/hr at 2 Ft.
209.7	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
207.2	6			Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1137 (Stake #5134)

LOG OF TEST PIT NO. TP-1138 (Stake #5135)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/9/2023**
DATE COMPLETED: **11/9/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **211.9 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
211.3				8 In. of Topsoil	
		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 9 in/hr at 1-1/2 Ft.
	2				
208.4					
	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
204.9				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1138 (Stake #5135)

LOG OF TEST PIT NO. TP-1139 (Stake #5126)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **206.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
205.8		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
203.8		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
201.8				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1139 (Stake #5126)

LOG OF TEST PIT NO. TP-1140 (Stake #5127)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **205.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
204.5				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft.
203.1	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
201.1	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1140 (Stake #5127)

LOG OF TEST PIT NO. TP-1141 (Stake #5129)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **201.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
201.0				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2				
198.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
196.6				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1141 (Stake #5129)

LOG OF TEST PIT NO. TP-1142 (Stake #5128)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/10/2023**
DATE COMPLETED: **11/10/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.0 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
199.4				8 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT with gravel [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 2 Ft.
	2				
196.0	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
195.0				Test pit complete at 5 Ft. due to refusal on highly-weathered rock.	
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1142 (Stake #5128)

LOG OF TEST PIT NO. TP-1143 (Stake #5142)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
DATE COMPLETED: **11/8/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **213.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
212.5				10 In. of Topsoil	
		ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
				- with gravel at 3 Ft.	
209.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
205.3	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
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LOG OF TEST PIT NO. TP-1143 (Stake #5142)

LOG OF TEST PIT NO. TP-1144 (Stake #5141)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
DATE COMPLETED: **11/8/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **213.4 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
212.6		ML		Brown (7.5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
	2				
				- with gravel at 3 Ft.	
209.9		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
	6				
206.4				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1144 (Stake #5141)

LOG OF TEST PIT NO. TP-1145 (Stake #5140)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
DATE COMPLETED: **11/8/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **213.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
212.4		CL		Red-brown (5YR 4/4), moist, Sandy Lean CLAY [Clay per USDA]	
	2				- Infiltration rate = 0 in/hr at 2 Ft.
				- with gravel at 3 Ft.	
209.2	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
206.7				Test pit complete at 6-1/2 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1145 (Stake #5140)

LOG OF TEST PIT NO. TP-1146 (Stake #5144)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
DATE COMPLETED: **11/8/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
206.3	0			10 In. of Topsoil	
	2	ML		Dark yellow-brown (10YR 4/6), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
203.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
200.1	6			Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1146 (Stake #5144)

LOG OF TEST PIT NO. TP-1147 (Stake #5143)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/8/2023**
DATE COMPLETED: **11/8/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **207.1 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
206.3				10 In. of Topsoil	
		SM		Dark yellow-brown (10YR 4/6), moist, Silty SAND [Sandy Loam per USDA]	
	2				- Infiltration rate = 0.5 in/hr at 2 Ft.
204.1		ML		Dark yellow-brown (10YR 3/4), moist, SILT with sand and gravel [Silt Loam per USDA]	
203.1	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				
199.1	8			Test pit complete at 8 Ft. due to refusal on highly-weathered rock.	
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1147 (Stake #5143)

LOG OF TEST PIT NO. TP-1148 (Stake #5054)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
DATE COMPLETED: **11/6/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **202.3 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
201.3		ML		Red-brown (5YR 4/4), moist, SILT with sand and gravel [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1 Ft.
200.8		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
200.3	2	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
198.3	4			Test pit complete at 4 Ft. due to refusal on highly-weathered rock.	- Basin Flood Test performed at 4 Ft.
	6				
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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LOG OF TEST PIT NO. TP-1148 (Stake #5054)

LOG OF TEST PIT NO. TP-1149 (Stake #5053)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
DATE COMPLETED: **11/6/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **202.8 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
201.8				12 In. of Topsoil	
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	- Infiltration rate = 0.5 in/hr at 1-1/2 Ft. - NMC = 23.0%
199.8		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
199.3	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	- Basin Flood Test performed at 5 Ft.
	6				
195.8				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1149 (Stake #5053)

LOG OF TEST PIT NO. TP-1150 (Stake #5052)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
DATE COMPLETED: **11/6/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **200.2 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				12 In. of Topsoil	
199.2		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1-1/2 Ft.
	2				
197.7		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	
196.7		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
193.2				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	- Moderate water seepage at 7 Ft.
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1150 (Stake #5052)

LOG OF TEST PIT NO. TP-1151 (Stake #5051)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
DATE COMPLETED: **11/6/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **197.6 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
				10 In. of Topsoil	
196.8		ML		Red-brown (5YR 4/4), moist, SILT with sand [Silt Loam per USDA]	- Infiltration rate = 0 in/hr at 1 Ft.
	2			- with gravel at 2 Ft.	
194.6		HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	4				
					- Basin Flood Test performed at 5 Ft.
	6				
190.6				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

GEO-TECHNOLOGY ASSOCIATES, INC.
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1151 (Stake #5051)

LOG OF TEST PIT NO. TP-1152 (Stake #5050)

PROJECT: **Venue at Hopewell**
PROJECT LOCATION: **Hopewell Township, New Jersey**
CLIENT: **Lennar**

PROJECT NO.: **31191132x1**

DATE STARTED: **11/6/2023**
DATE COMPLETED: **11/6/2023**
CONTRACTOR: **J.A. Neary Excavating**
EQUIPMENT: **Case CX160**

GROUNDWATER ENCOUNTERED: **N/E**
GROUND SURFACE ELEVATION: **197.5 Ft.**
DATUM: **Survey**
LOGGED BY: **AFS**
CHECKED BY: **AMT**

ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
	0				
196.5				12 In. of Topsoil	
	2	ML		Red-brown (5YR 4/4), moist, Sandy SILT [Silt Loam per USDA]	
195.0		GM		Red-brown (5YR 4/4), moist, Silty GRAVEL with sand [Gravelly Sand per USDA]	- Infiltration rate = 0 in/hr at 2 Ft.
193.5	4	HW		Red-brown (5YR 4/4), moist, Highly-weathered ROCK (Shale)	
	6				- Basin Flood Test performed at 6 Ft.
190.5				Test pit complete at 7 Ft. due to refusal on highly-weathered rock.	
	8				
	10				
	12				
	14				
	16				
	18				

NOTES: **Location and elevation provided by Bowman.**
Backfilled on completion.

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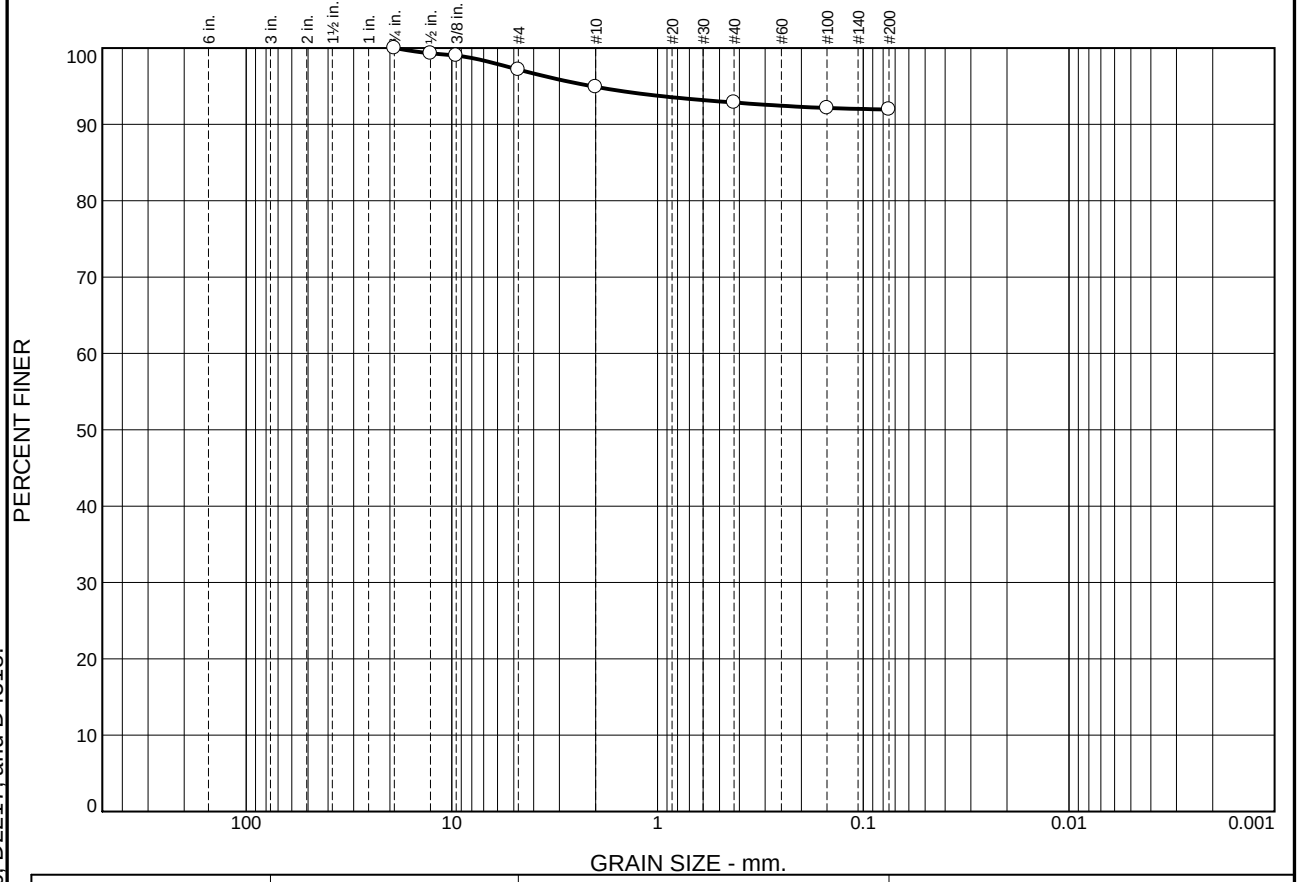
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

LOG OF TEST PIT NO. TP-1152 (Stake #5050)

APPENDIX D

Laboratory Data

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	2.8	2.3	2.0	1.0	91.9	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1001 (Stake #5000) **Depth:** 3.5

Remarks:

○NMC = 19.7%

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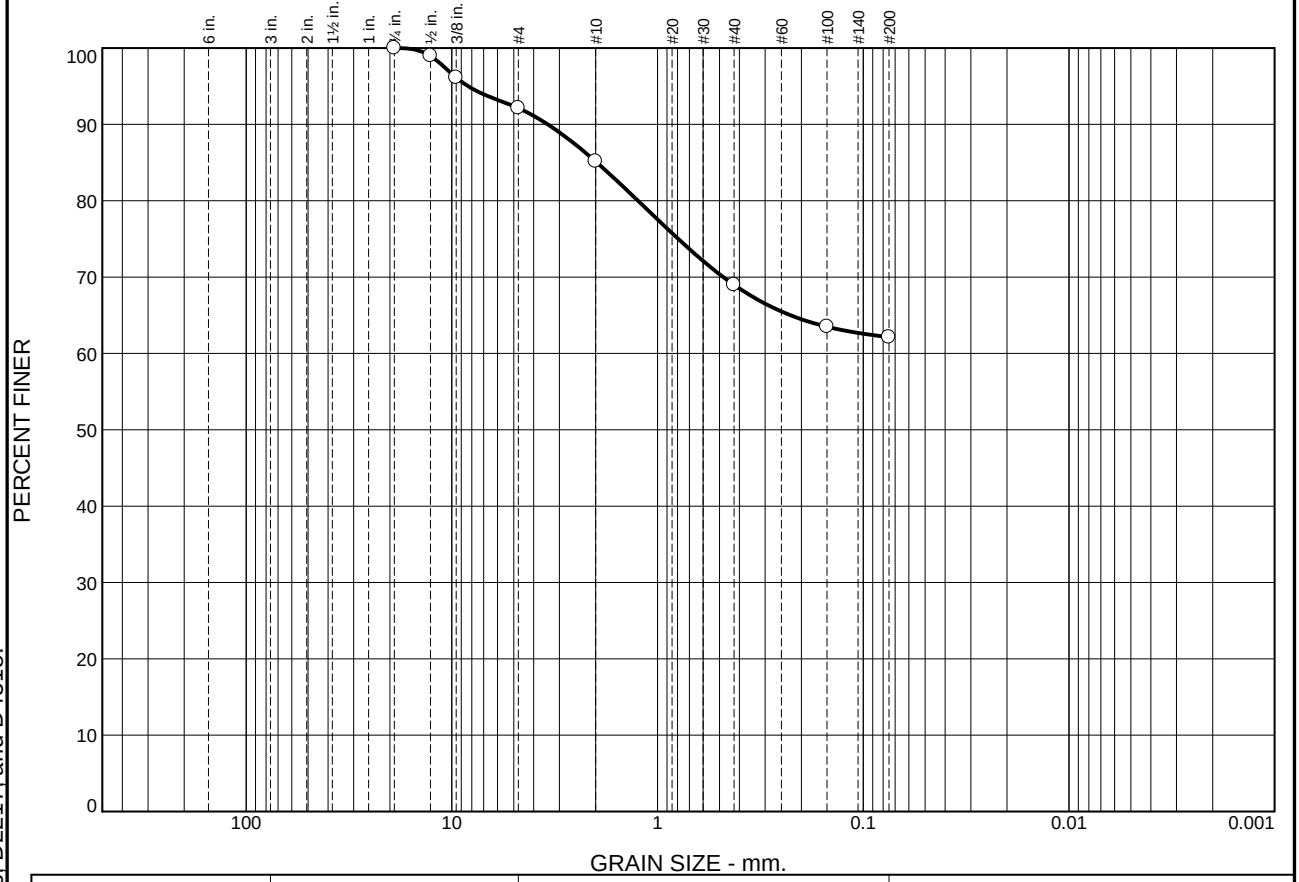
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	7.9	7.0	16.1	6.9	62.1	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	1.9723							

Material Description	USCS	AASHTO
○ Sandy SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1008 (Stake #5007) **Depth:** 4

Remarks:

○NMC = 22.1%

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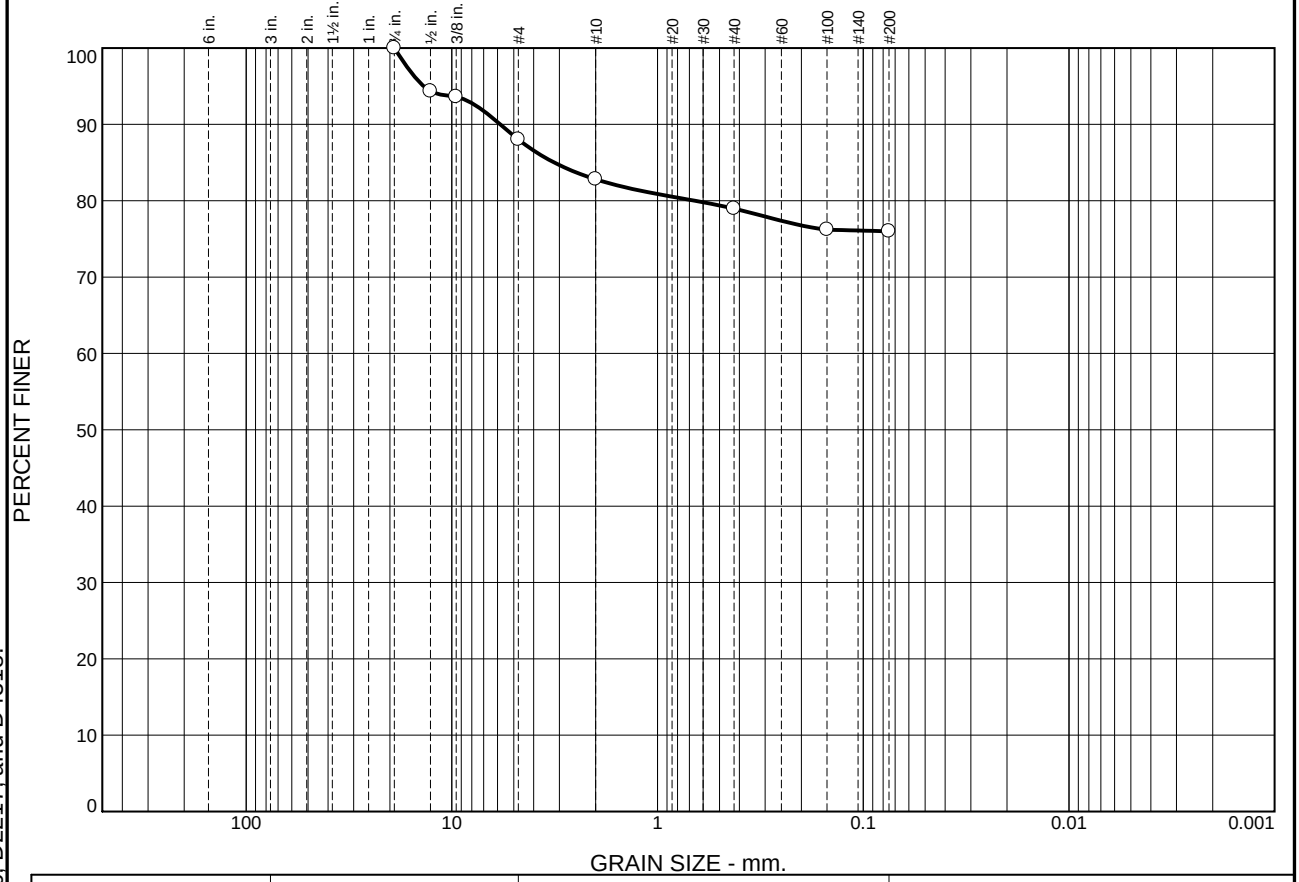
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	12.0	5.2	3.8	3.0	76.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	3.1768							

Material Description	USCS	AASHTO
○ SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1012 (Stake #5062) **Depth:** 2

Remarks:

○NMC = 22.6%

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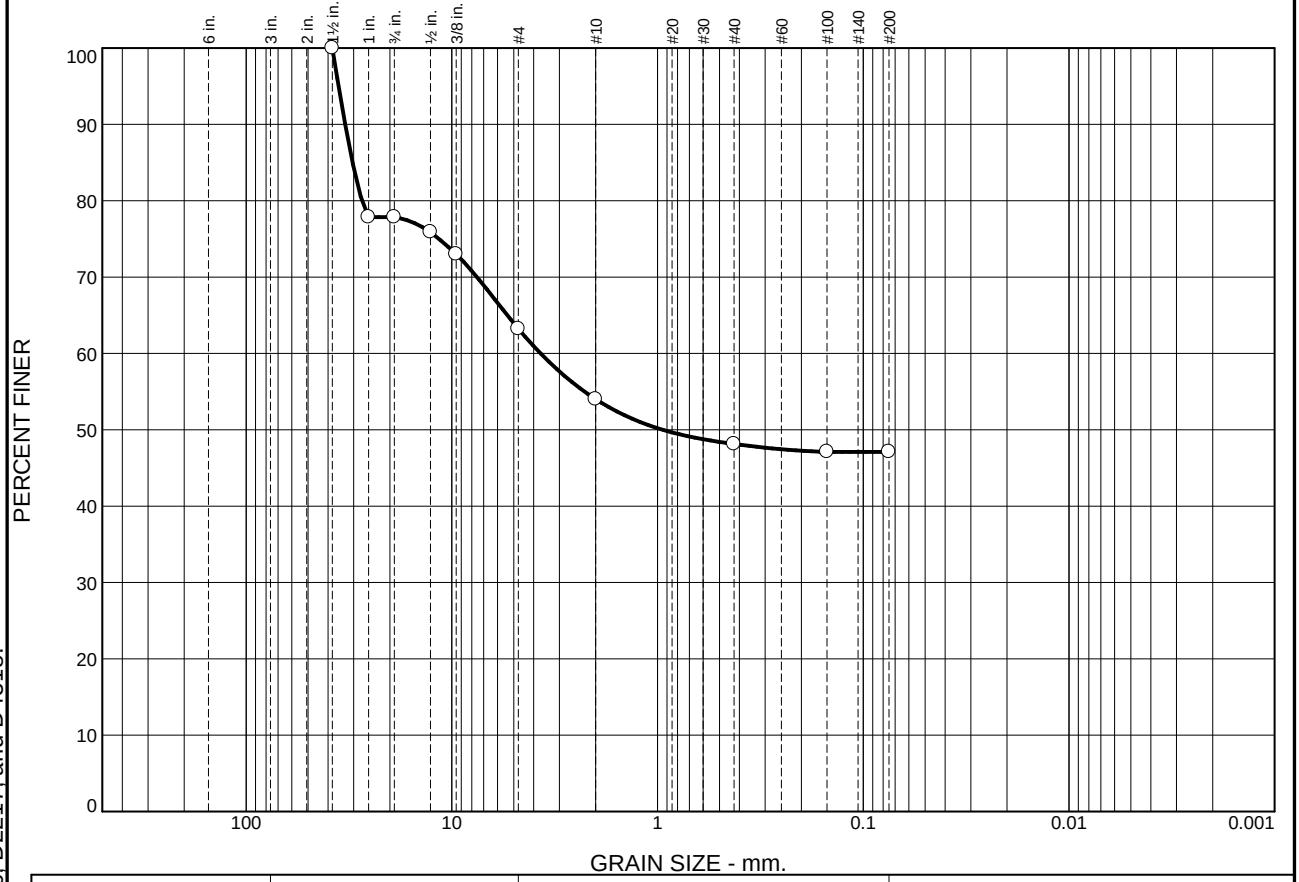
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	22.2	14.6	9.2	5.9	1.0	47.1	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NP	NP	30.3913	3.7018	0.9440					

Material Description	USCS	AASHTO
○ Silty GRAVEL with sand	GM	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1016 (Stake #5057) **Depth:** 1

Remarks:

○NMC = 19.7%

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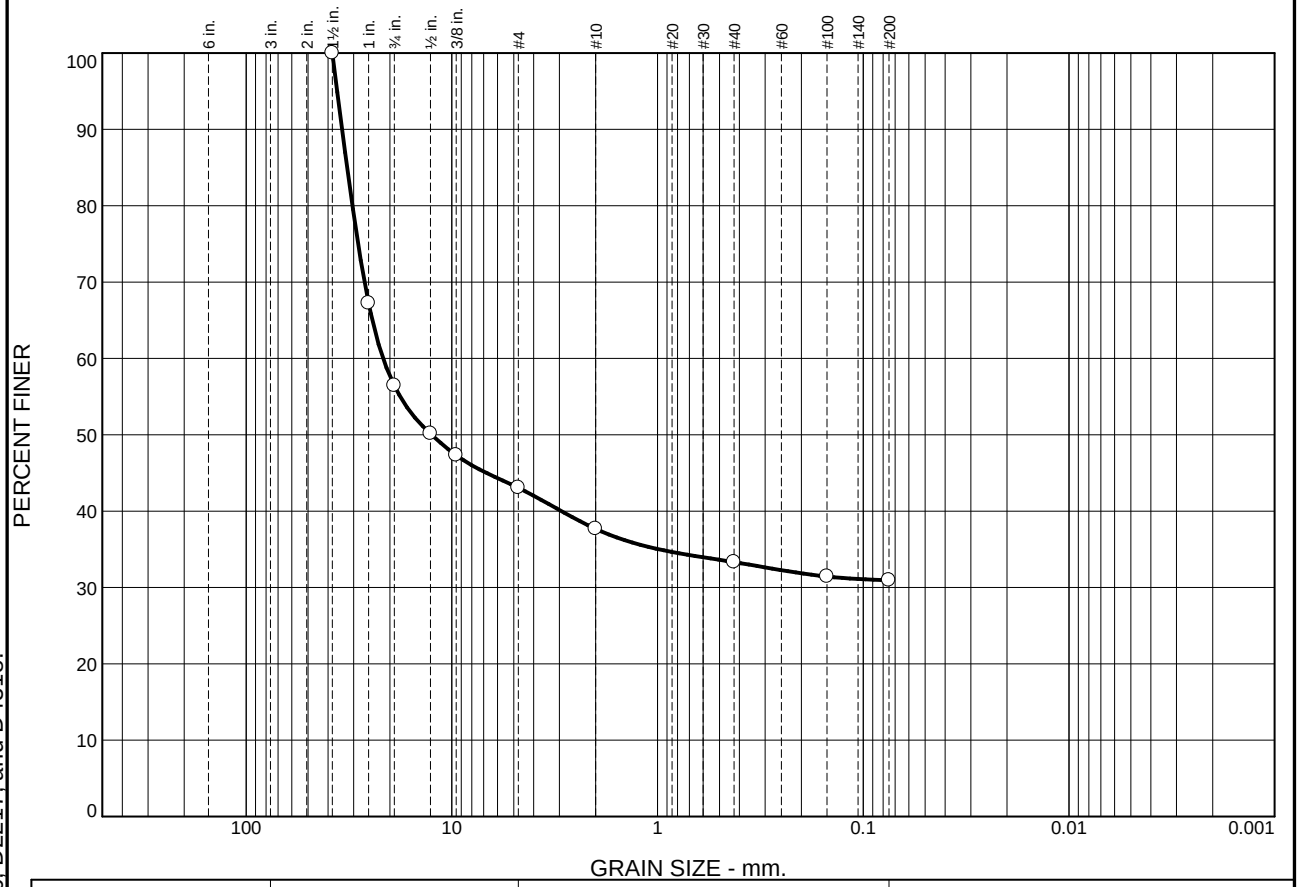
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	43.5	13.4	5.4	4.4	2.4	30.9	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NP	NP	32.2903	21.5948	12.5370					

	Material Description	USCS	AASHTO
○	Silty GRAVEL	GM	A-2-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1017 (Stake #5056) **Depth:** 0.5

Remarks:

○NMC = 17.9%

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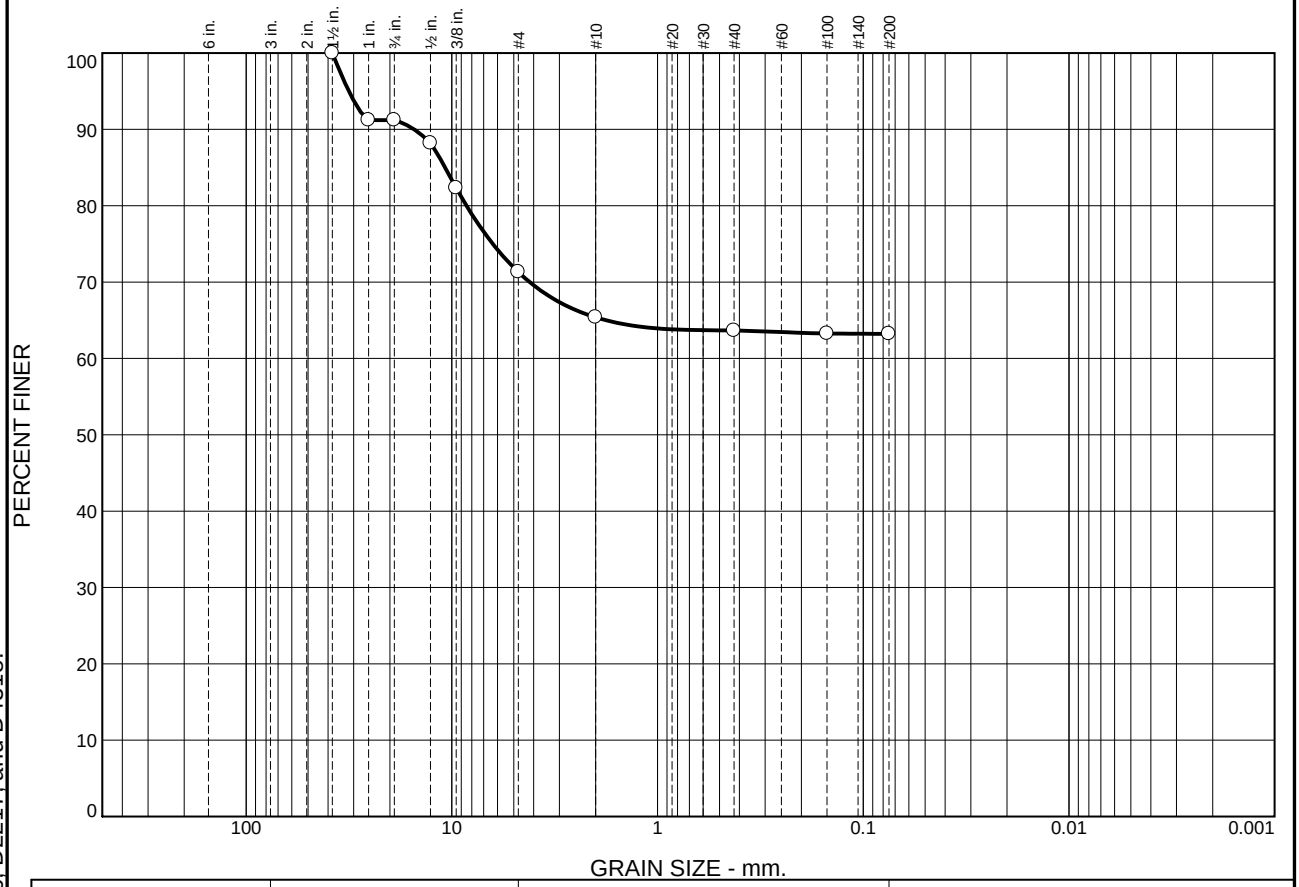
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	8.8	19.9	5.9	1.7	0.5	63.2	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	10.7831							

Material Description	USCS	AASHTO
○ Gravelly SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1022 (Stake #5013) **Depth:** 1

Remarks:

○NMC = 20.5%

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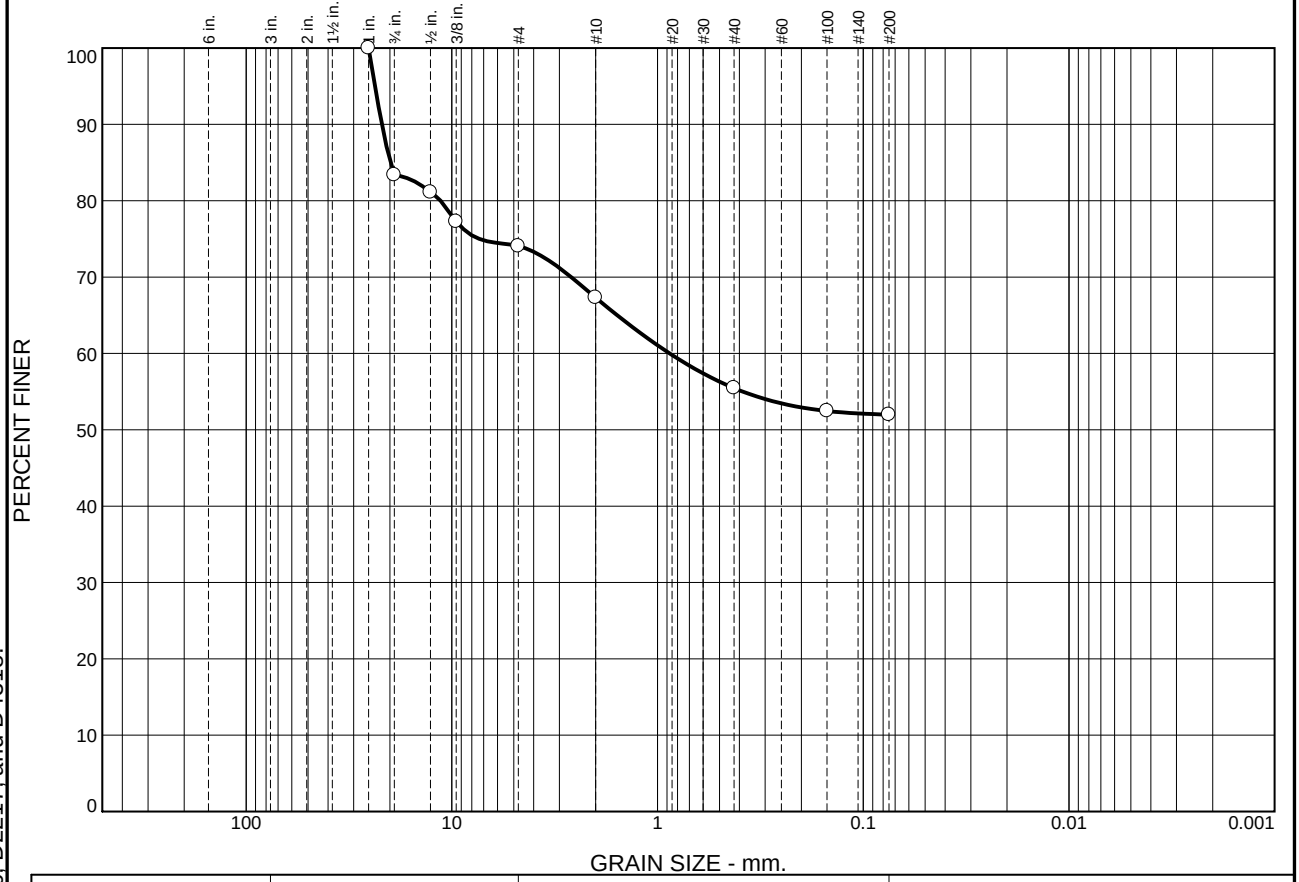
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	16.6	9.3	6.8	11.8	3.5	52.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	19.8849	0.8729						

	Material Description	USCS	AASHTO
○	Gravelly SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1026 (Stake #5017) **Depth:** 3

Remarks:

○NMC = 21.6%

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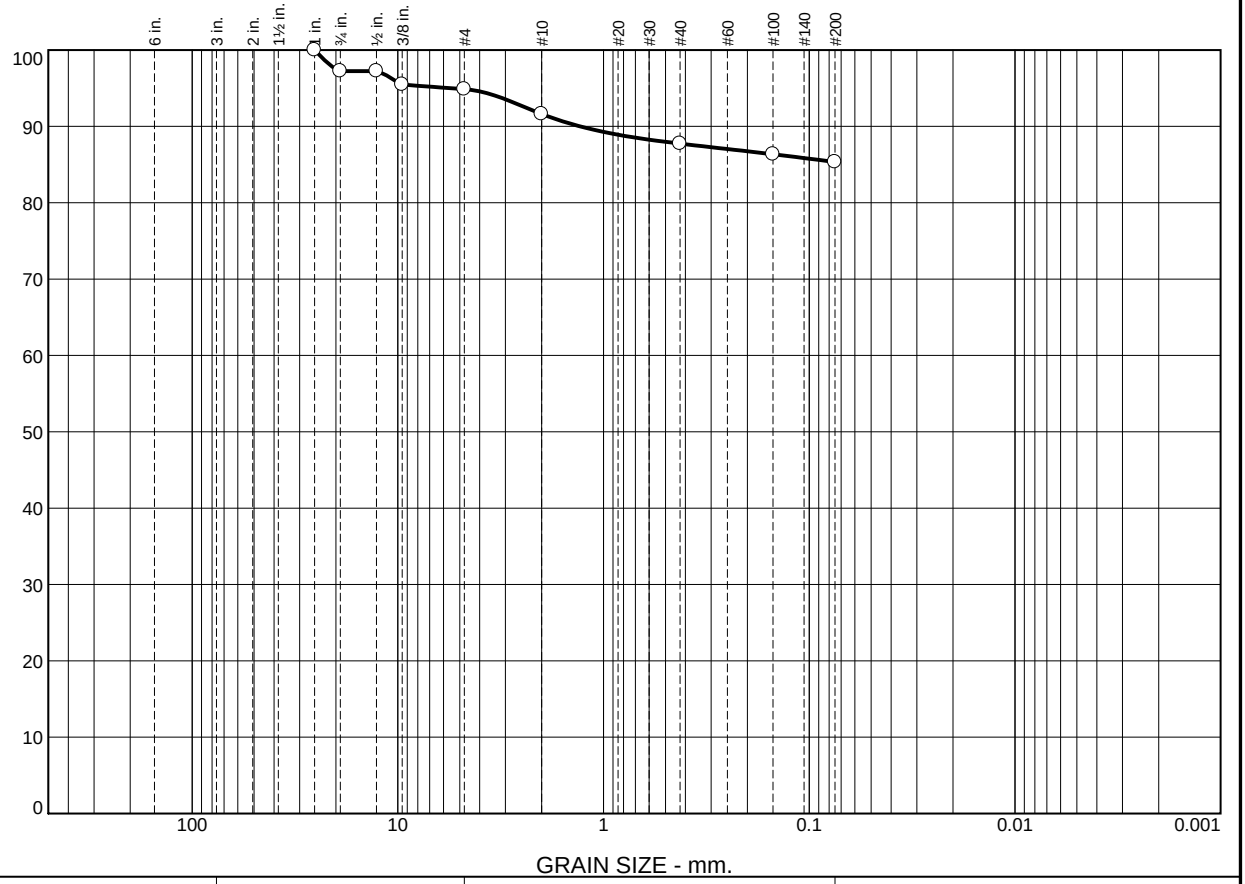
Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	2.8	2.3	3.3	3.9	2.4	85.3	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1028 (Stake #5145) **Depth:** 1

Remarks:

○NMC = 24.2%

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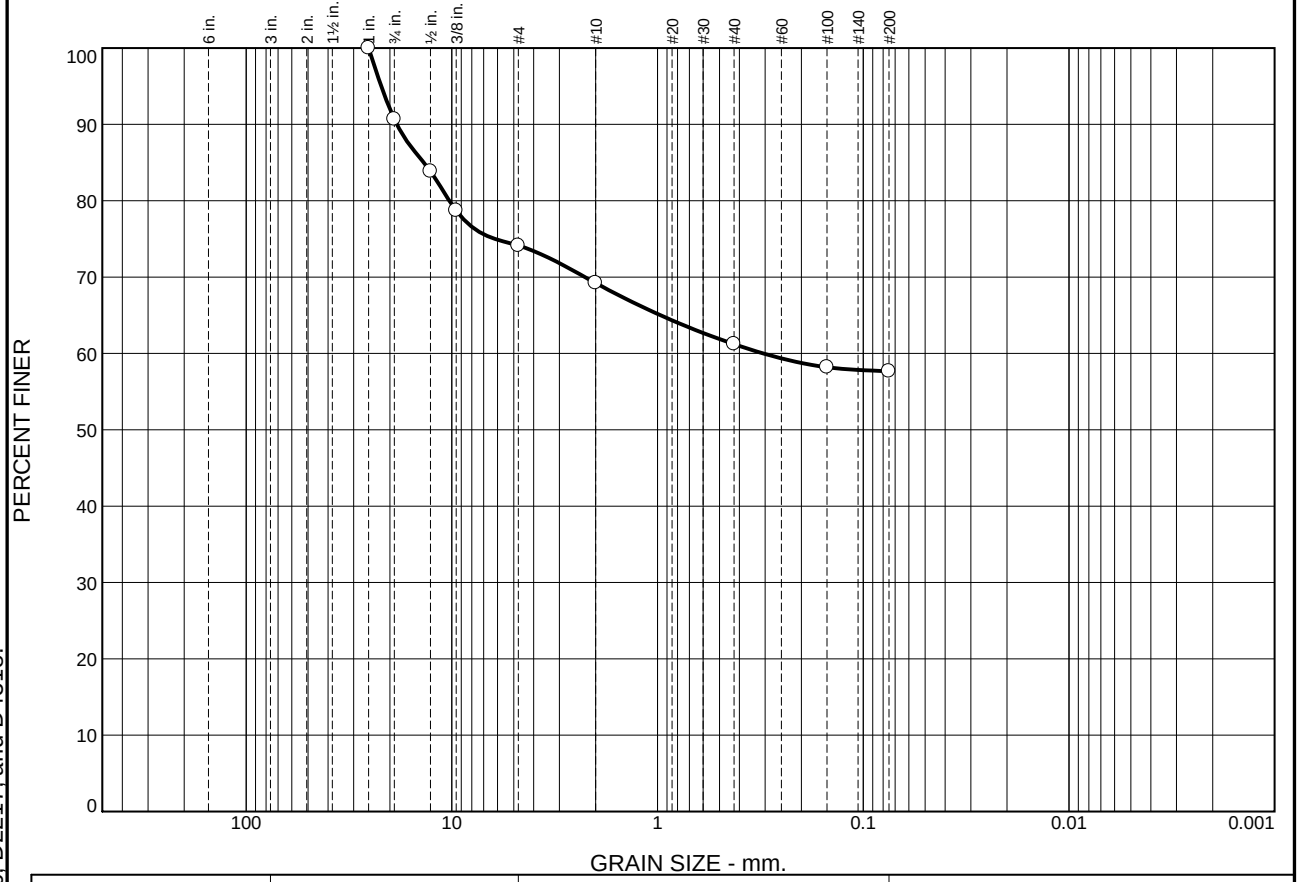
Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	9.3	16.6	4.9	8.0	3.5	57.7	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	13.6923	0.3063						

Material Description	USCS	AASHTO
○ Gravelly SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1037 (Stake #5021) **Depth:** 2.5

Remarks:

○NMC = 16.4%

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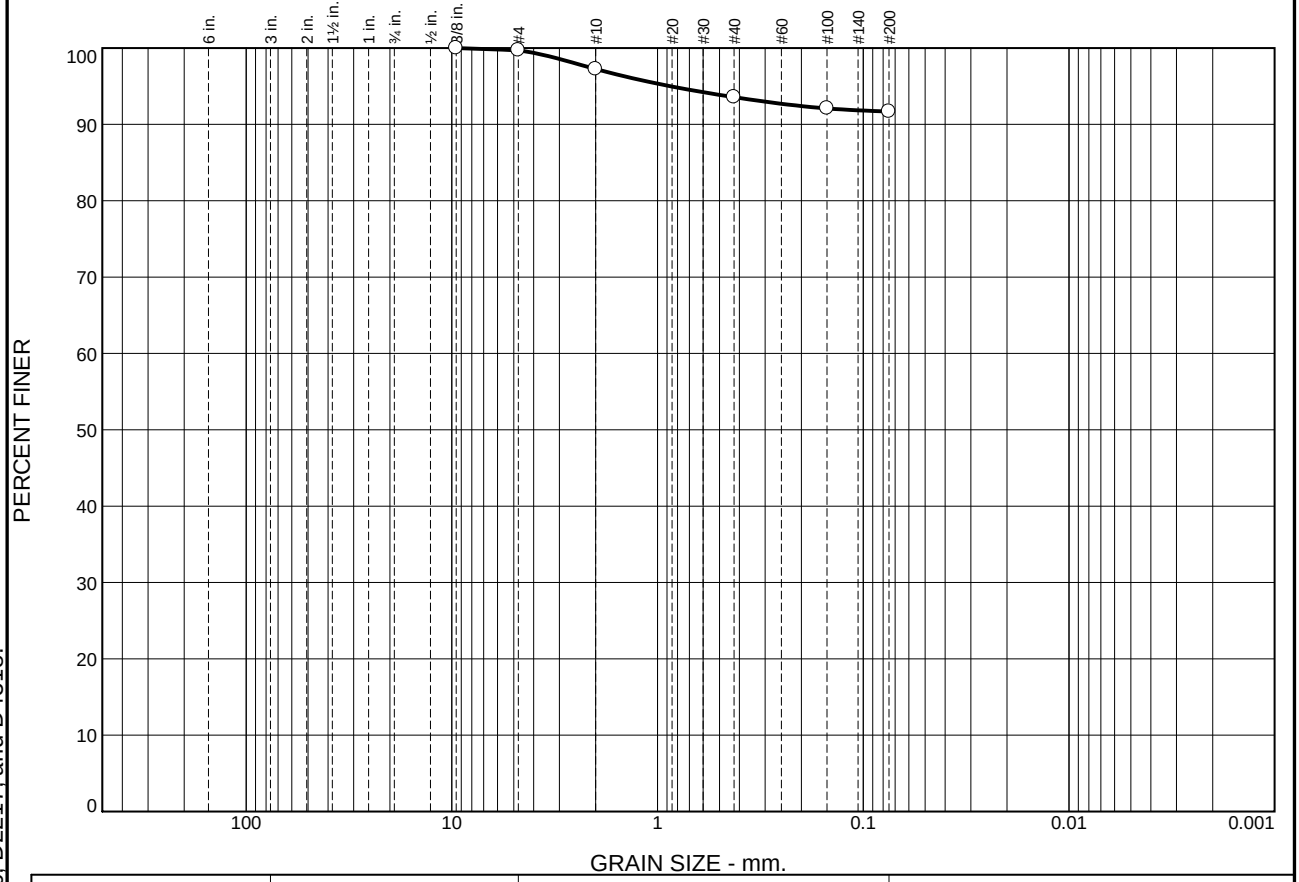
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** VP

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.3	2.5	3.6	1.9	91.7	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1043 (Stake #5027) **Depth:** 1.5

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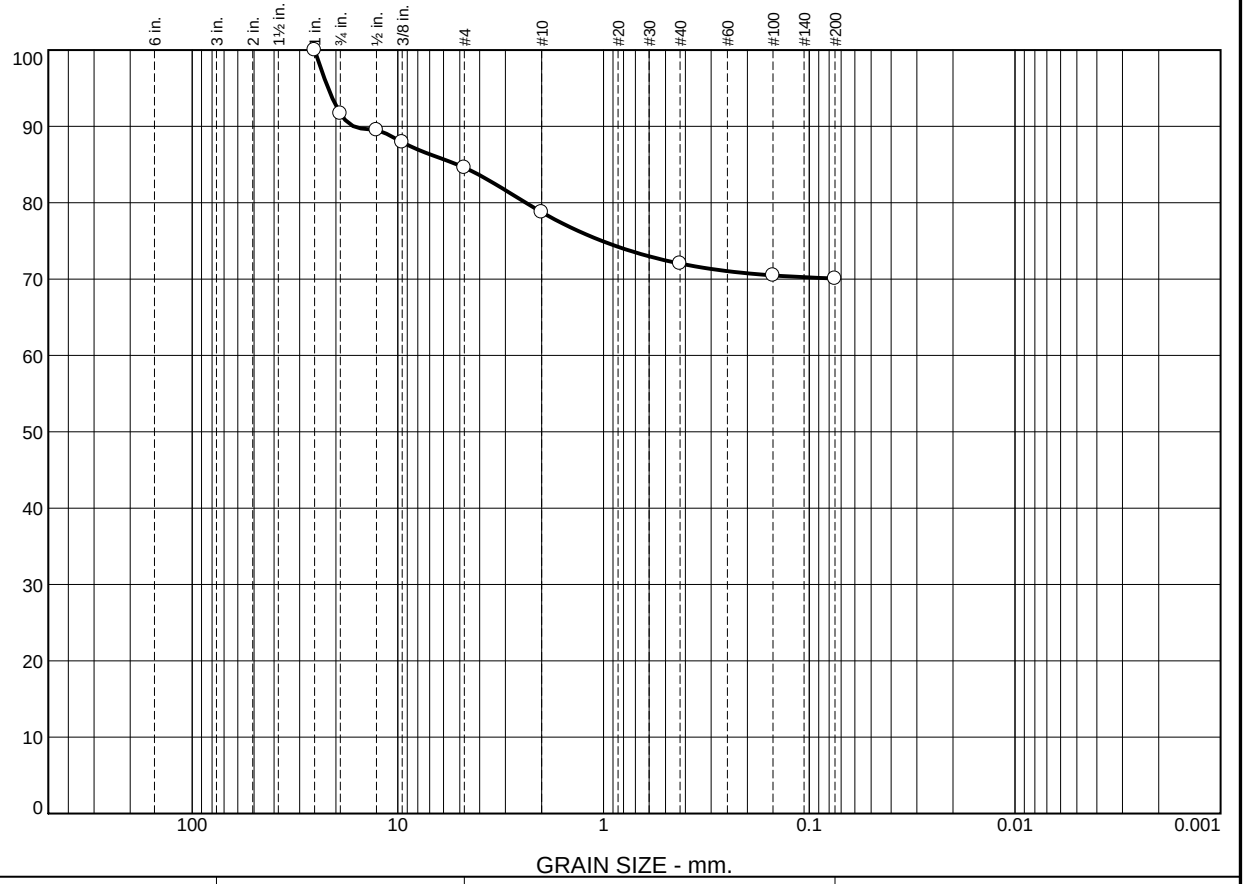
Remarks:
○NMC = 21.6%

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** VP

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	8.3	7.1	5.8	6.8	1.9	70.1	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	5.1460							

Material Description	USCS	AASHTO
○ SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1049 (Stake #5088) **Depth:** 2

Remarks:

○NMC =11.9%

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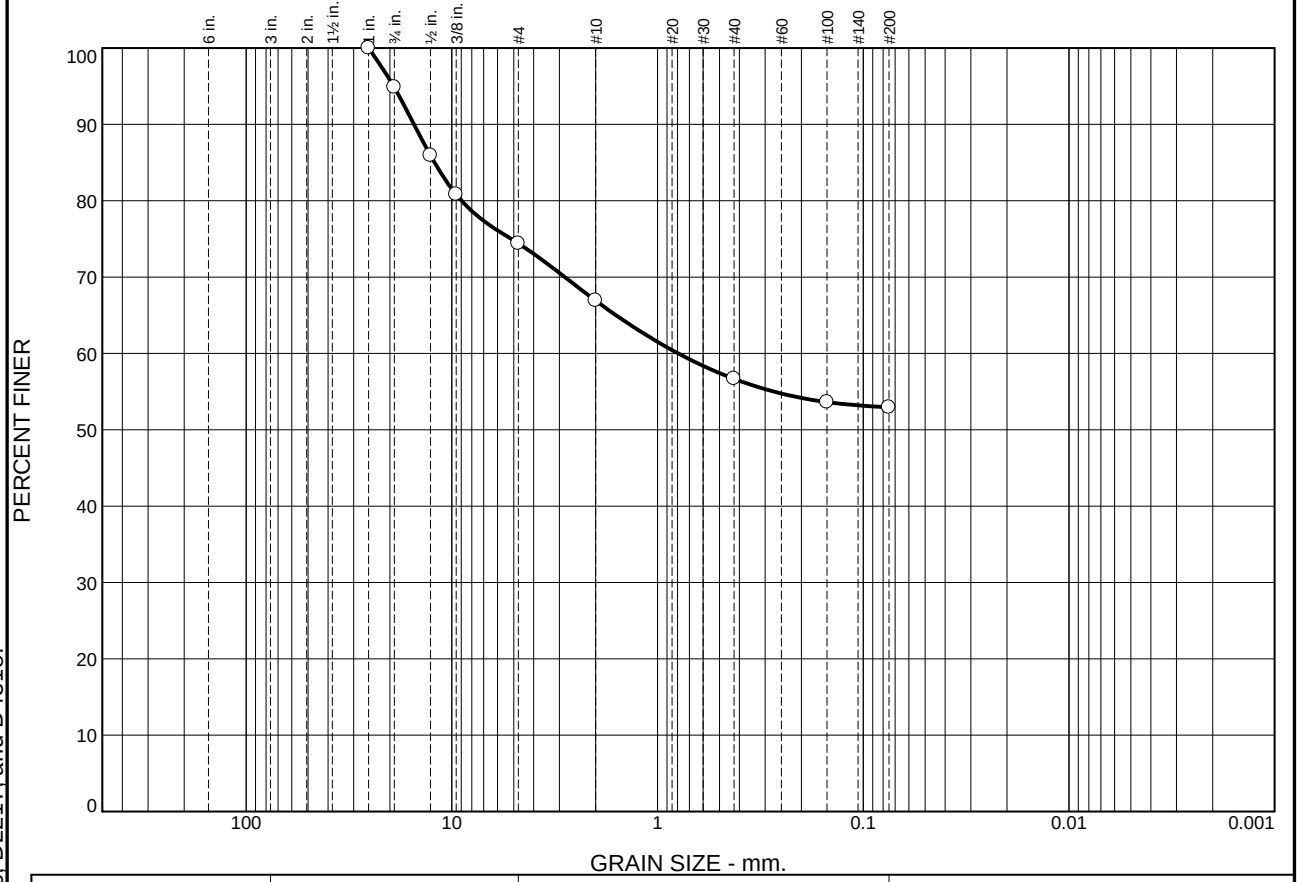
Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** VP

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	5.1	20.5	7.5	10.2	3.8	52.9	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	12.1406	0.7932						

Material Description	USCS	AASHTO
○ Gravelly SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1051 (Stake #5083) **Depth:** 3

Remarks:

○NMC = 10.0%

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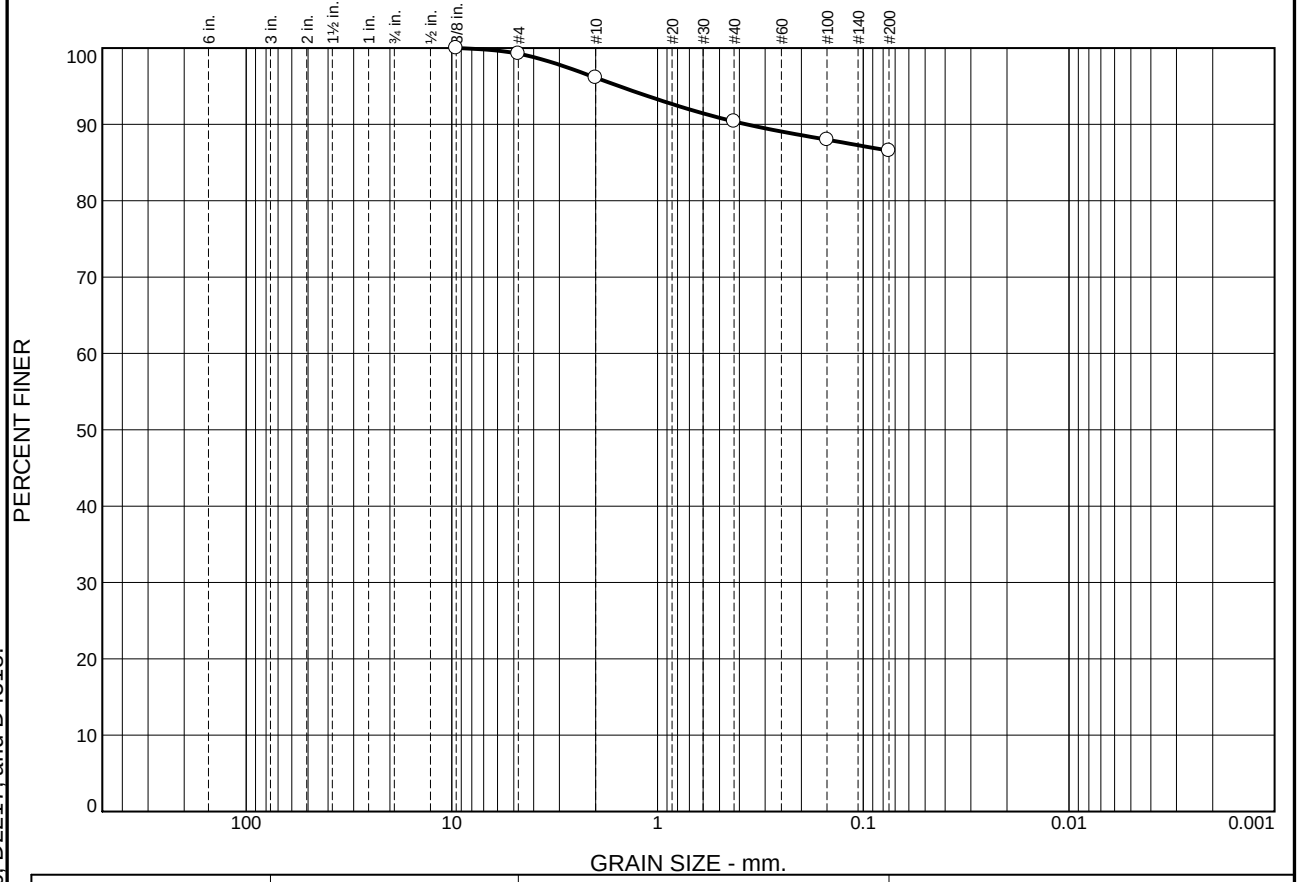
Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** VP

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.7	3.2	5.7	3.8	86.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1053 (Stake #5079) **Depth:** 3

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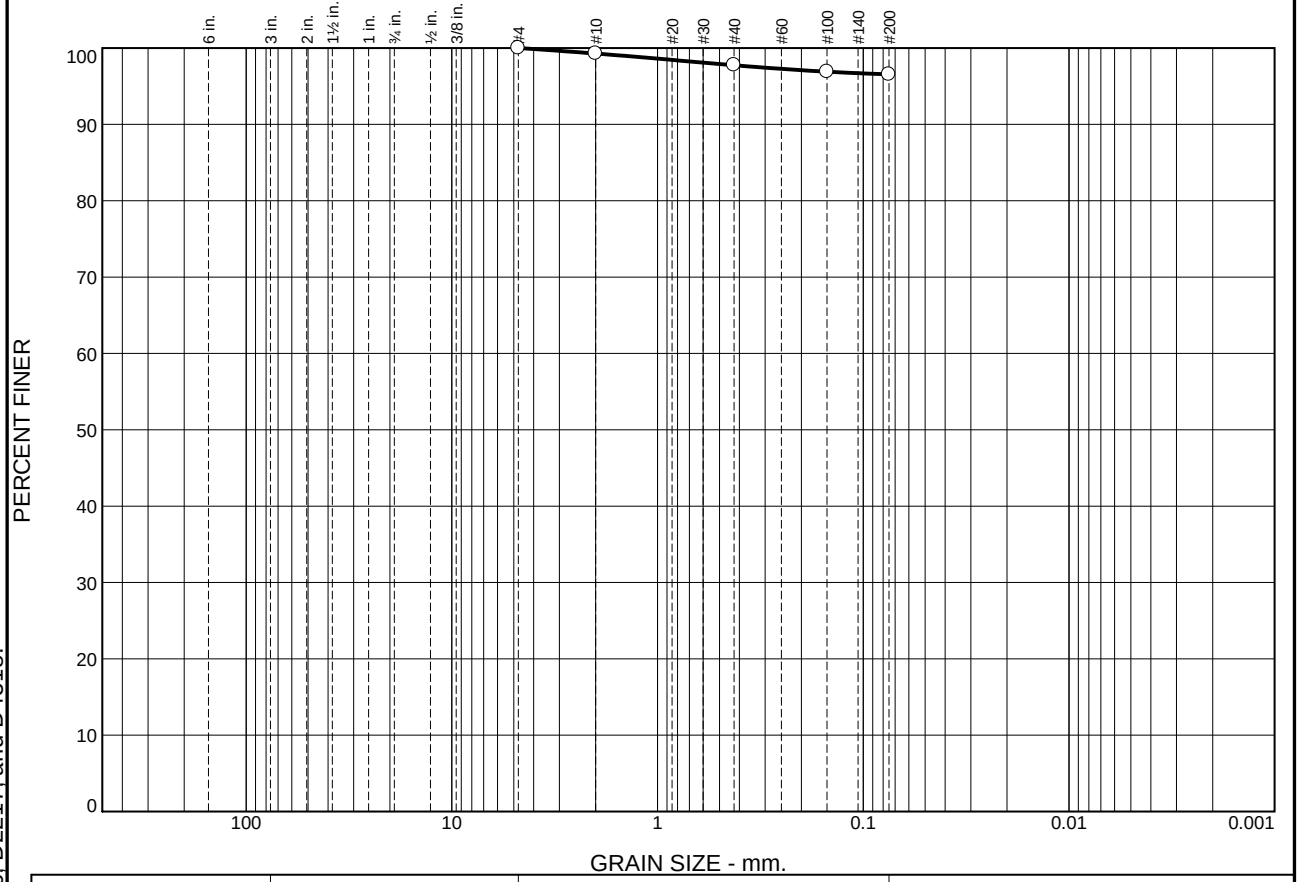
Remarks:
○NMC = 22.1%

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.7	1.5	1.3	96.5	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ Lean CLAY	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1057 (Stake #5074) **Depth:** 4

Remarks:

○NMC = 22.1%

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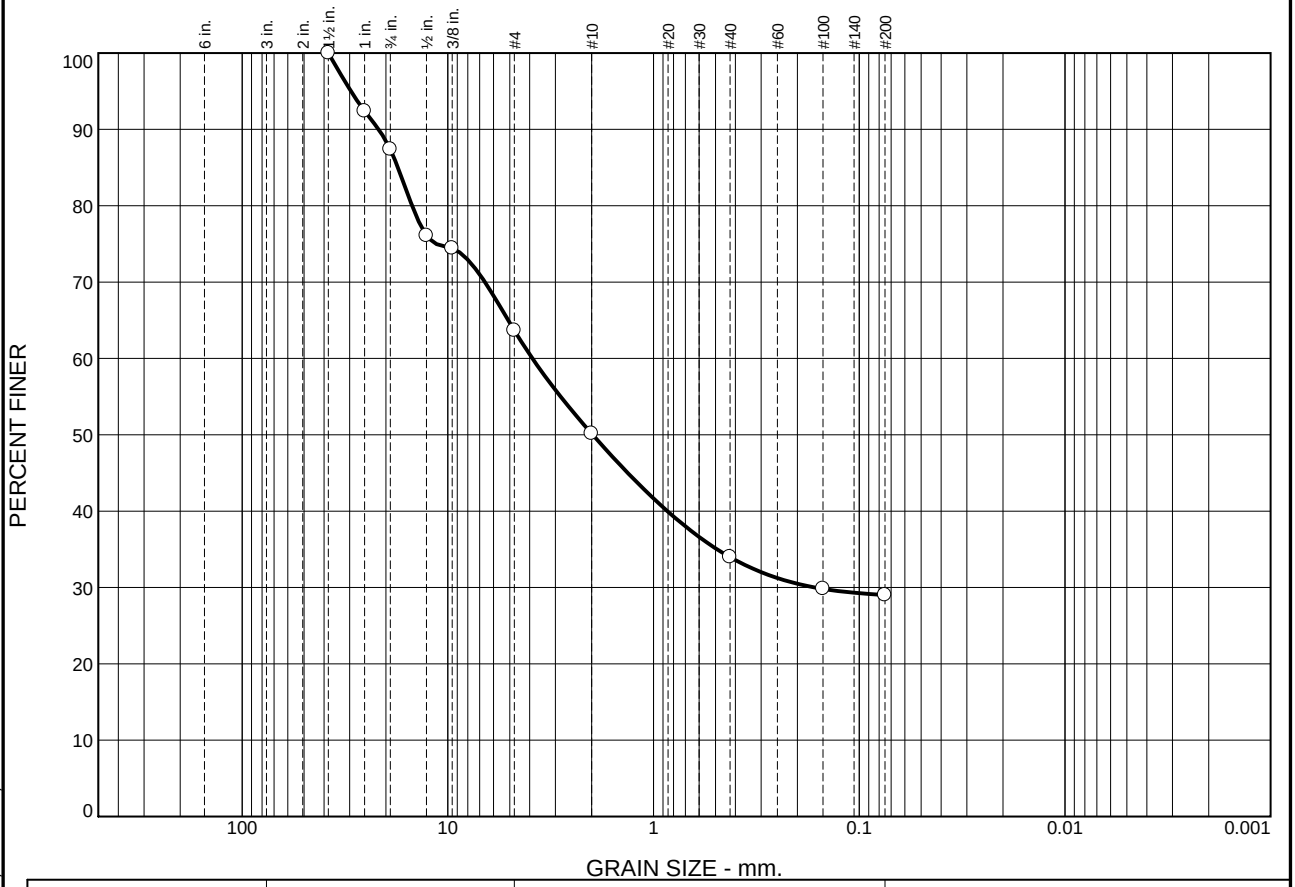
Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR/AFS **Checked By:** AFS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	12.6	23.7	13.5	16.2	5.0	29.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NP	NP	17.4890	3.8804	1.9764	0.1644				

	Material Description	USCS	AASHTO
○	Silty GRAVEL with sand	GM	A-2-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1073 (Stake #5120) **Depth:** 2

Remarks:

○NMC = 16.4%

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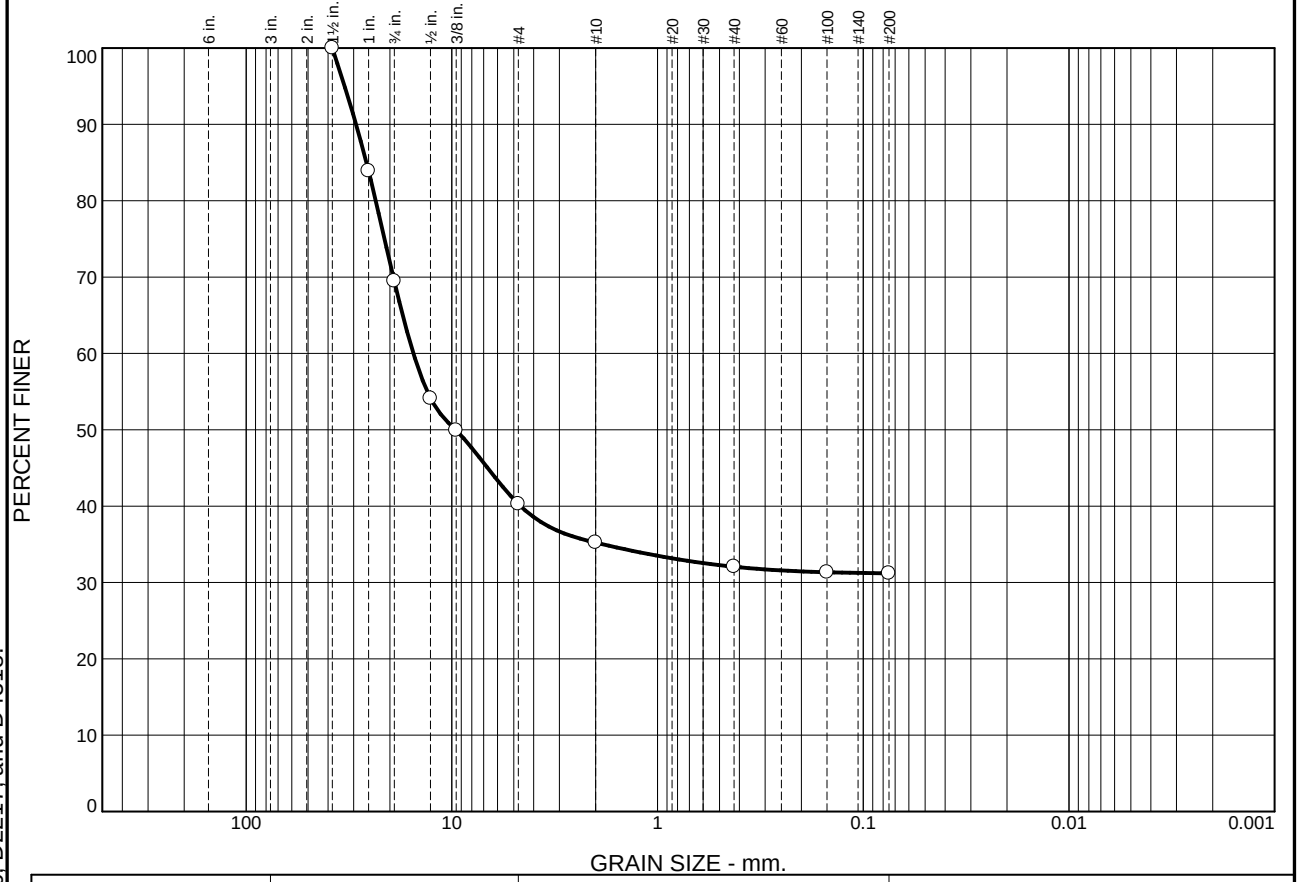
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	30.5	29.2	5.1	3.1	0.9	31.2	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NP	NP	26.0136	15.3722	9.5923					

	Material Description	USCS	AASHTO
○	Silty GRAVEL	GM	A-2-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1080 (Stake #5032) **Depth:** 2

Remarks:

○NMC = 15.6%

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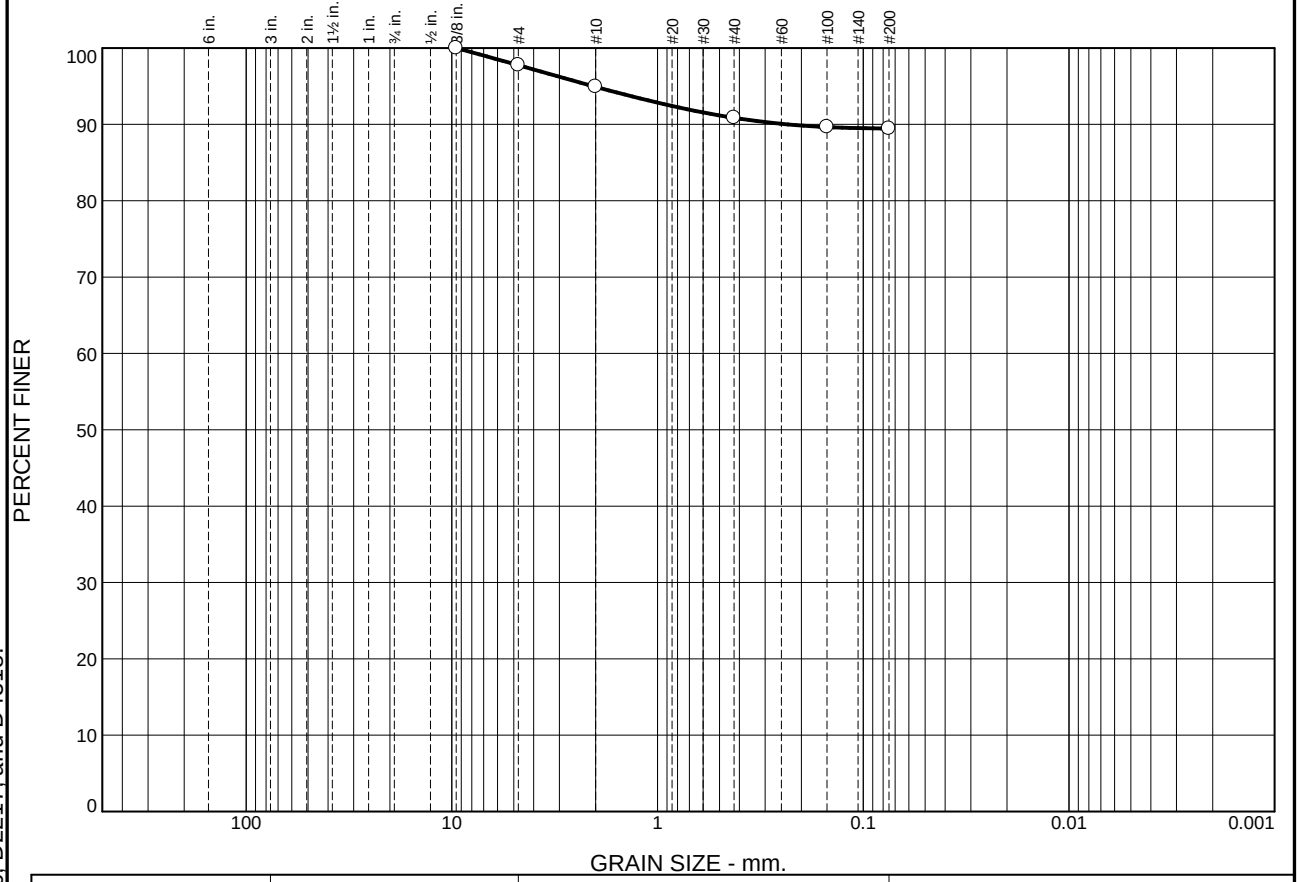
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	2.2	2.9	4.0	1.4	89.5	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32.6	22.1								

Material Description	USCS	AASHTO
○ Lean CLAY	CL	A-6(10)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1086 (Stake #5110) **Depth:** 2

Remarks:

○NMC = 20.3%

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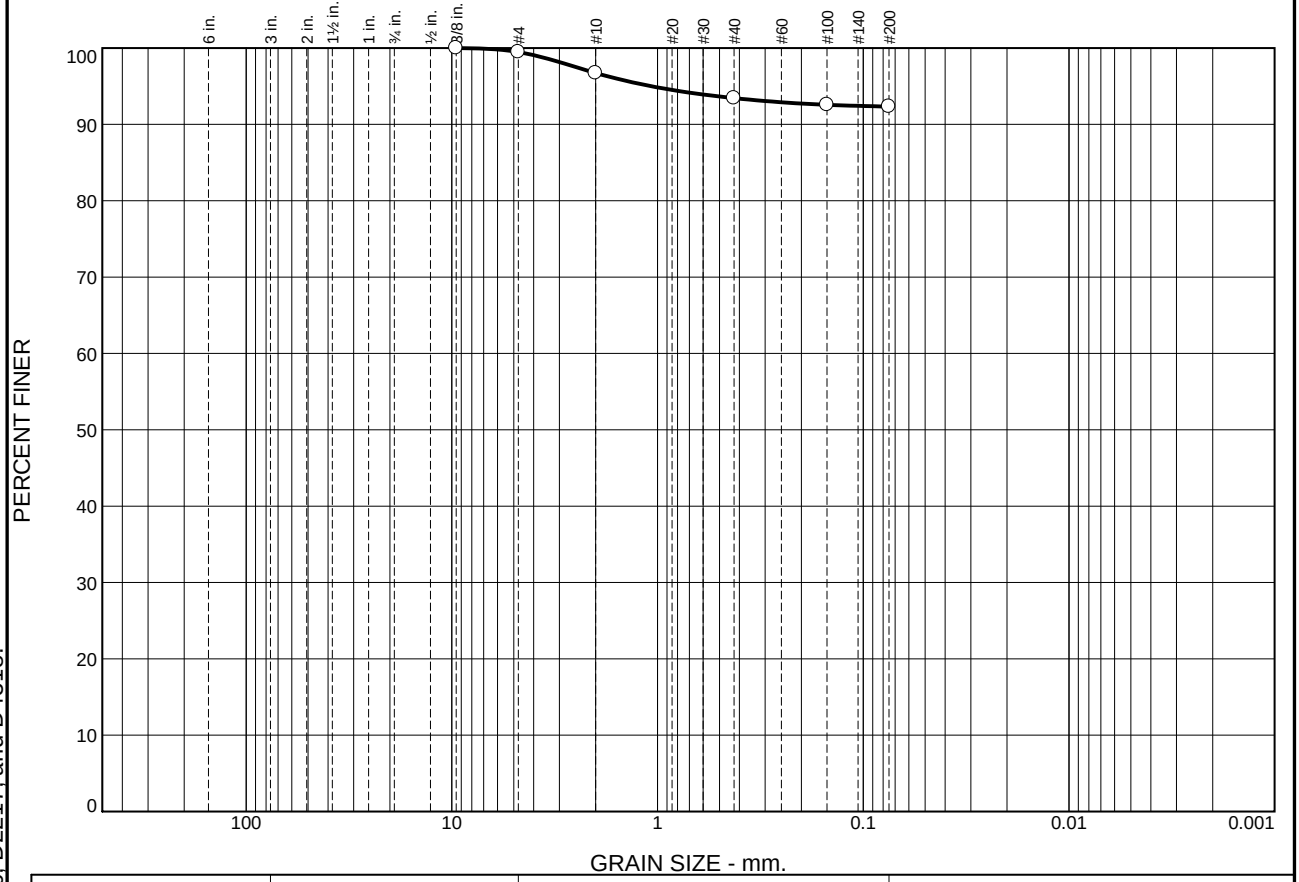
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.5	2.8	3.3	1.1	92.3	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1094 (Stake #5091) **Depth:** 2

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Somerset, NJ 08873

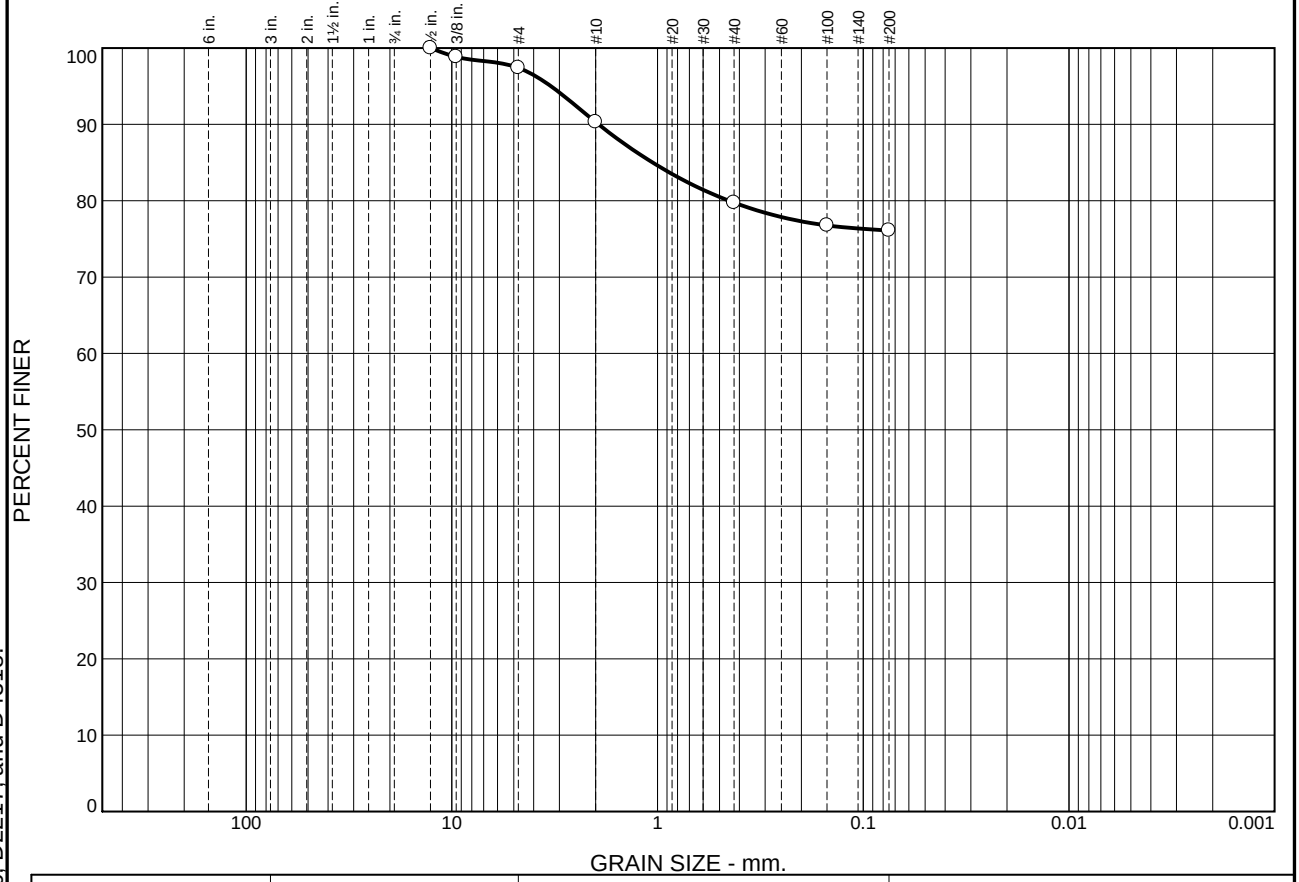
Remarks:
○NMC = 22.7%

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	2.6	7.1	10.5	3.7	76.1	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	1.0567							

Material Description	USCS	AASHTO
○ SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1098 (Stake #5095) **Depth:** 2

Remarks:

○NMC = 19.4%

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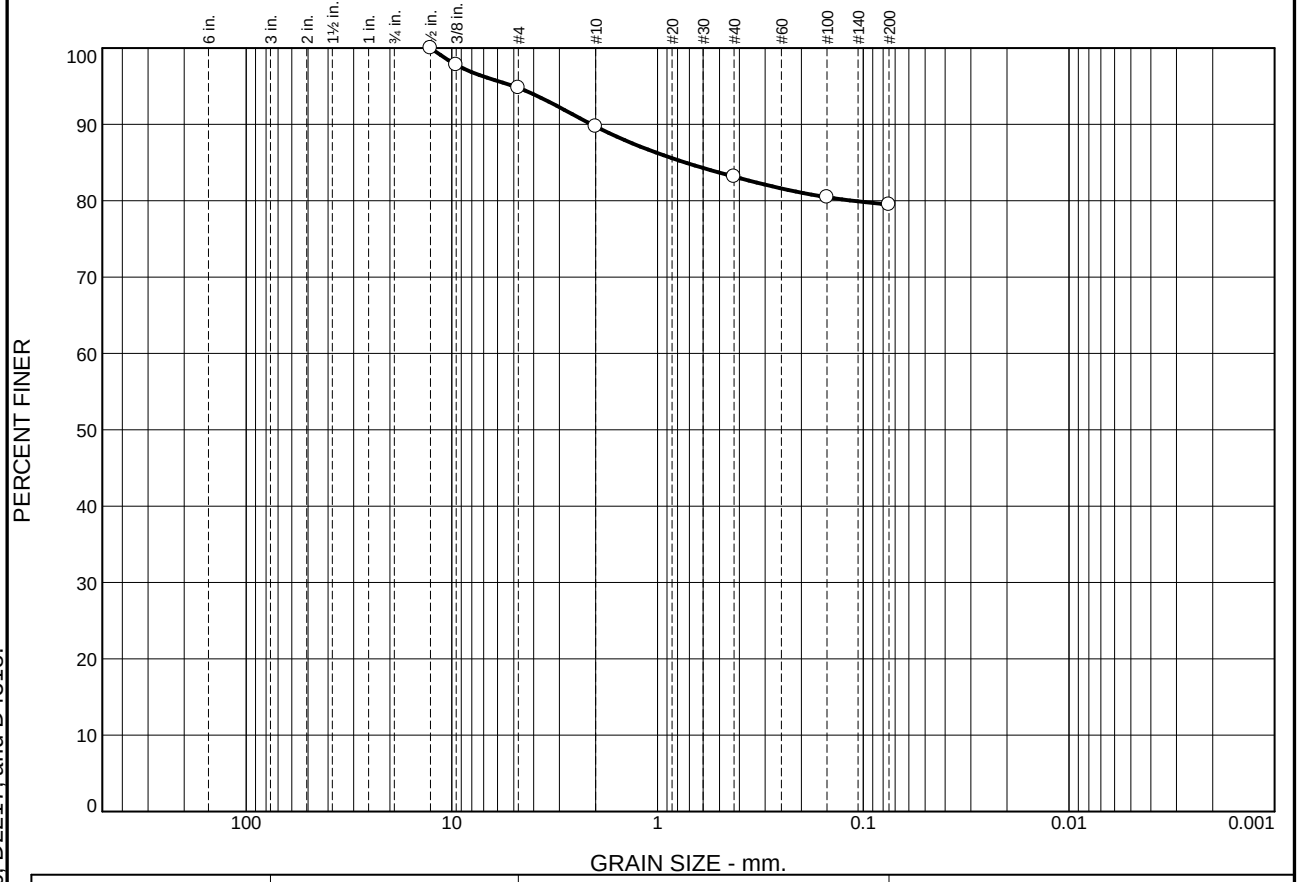
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	5.2	5.1	6.5	3.7	79.5	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	33.9	21.7	0.7321							

Material Description	USCS	AASHTO
○ Lean CLAY with sand	CL	A-6(9)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1104 (Stake #5101) **Depth:** 1

Remarks:

○NMC = 23.7%

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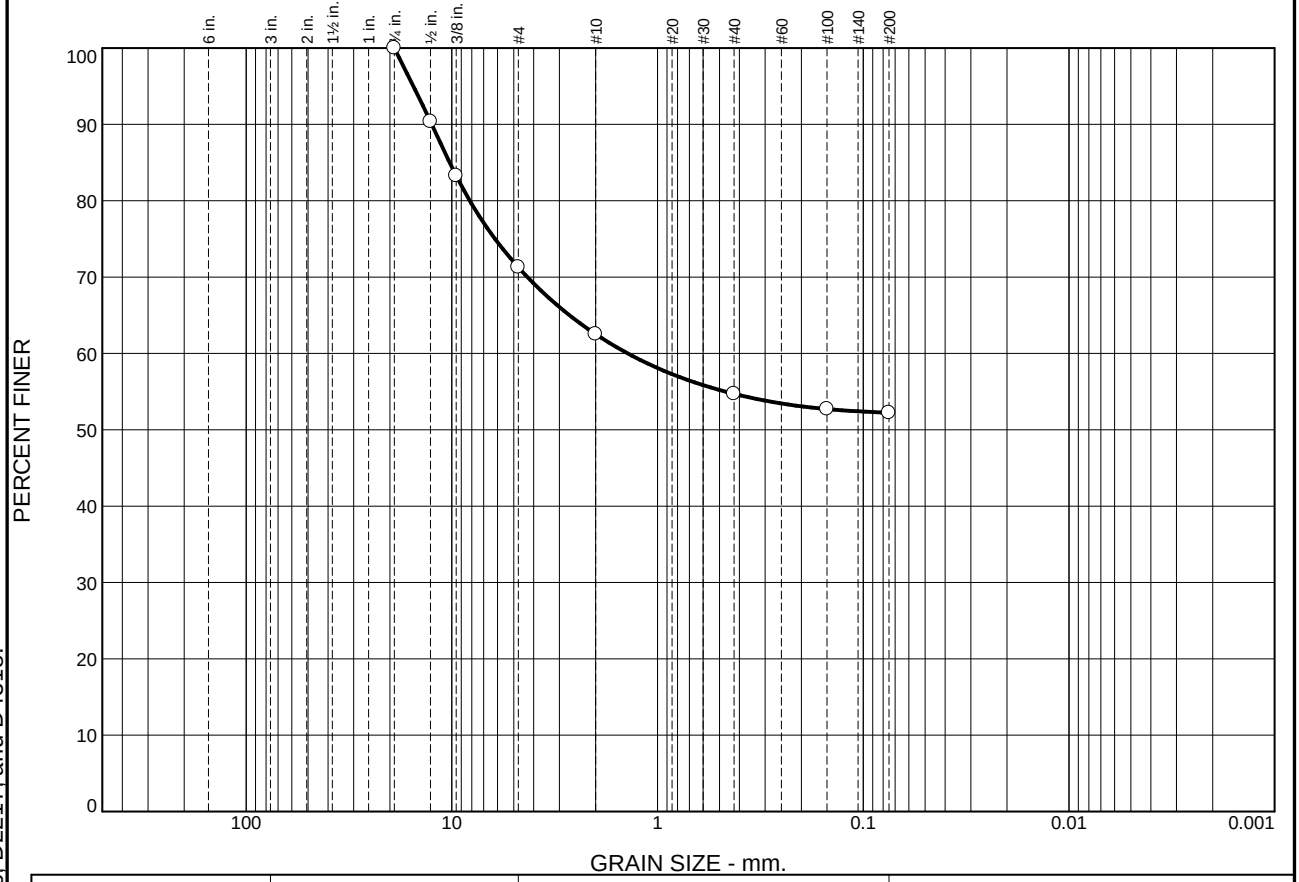
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	28.7	8.8	7.8	2.5	52.2	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NP	NP	10.2464	1.3963						

Material Description	USCS	AASHTO
○ Gravelly SILT with sand	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1119 (Stake #5045) **Depth:** 1

Remarks:

○NMC = 16.4%

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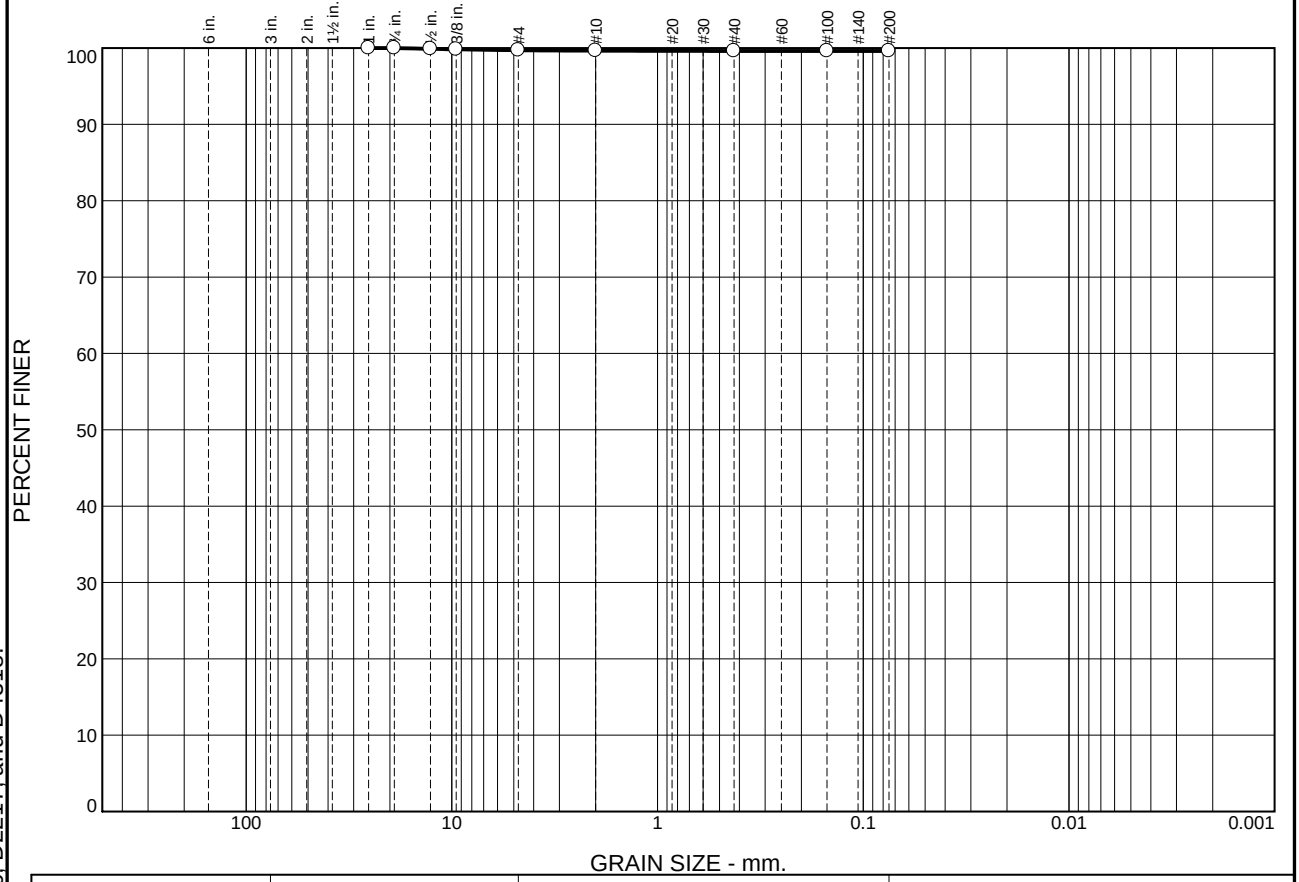
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.3	0.0	0.1		99.6	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV								

Material Description	USCS	AASHTO
○ SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1121 (Stake #5036) **Depth:** 2

Remarks:

○NMC = 15.2%

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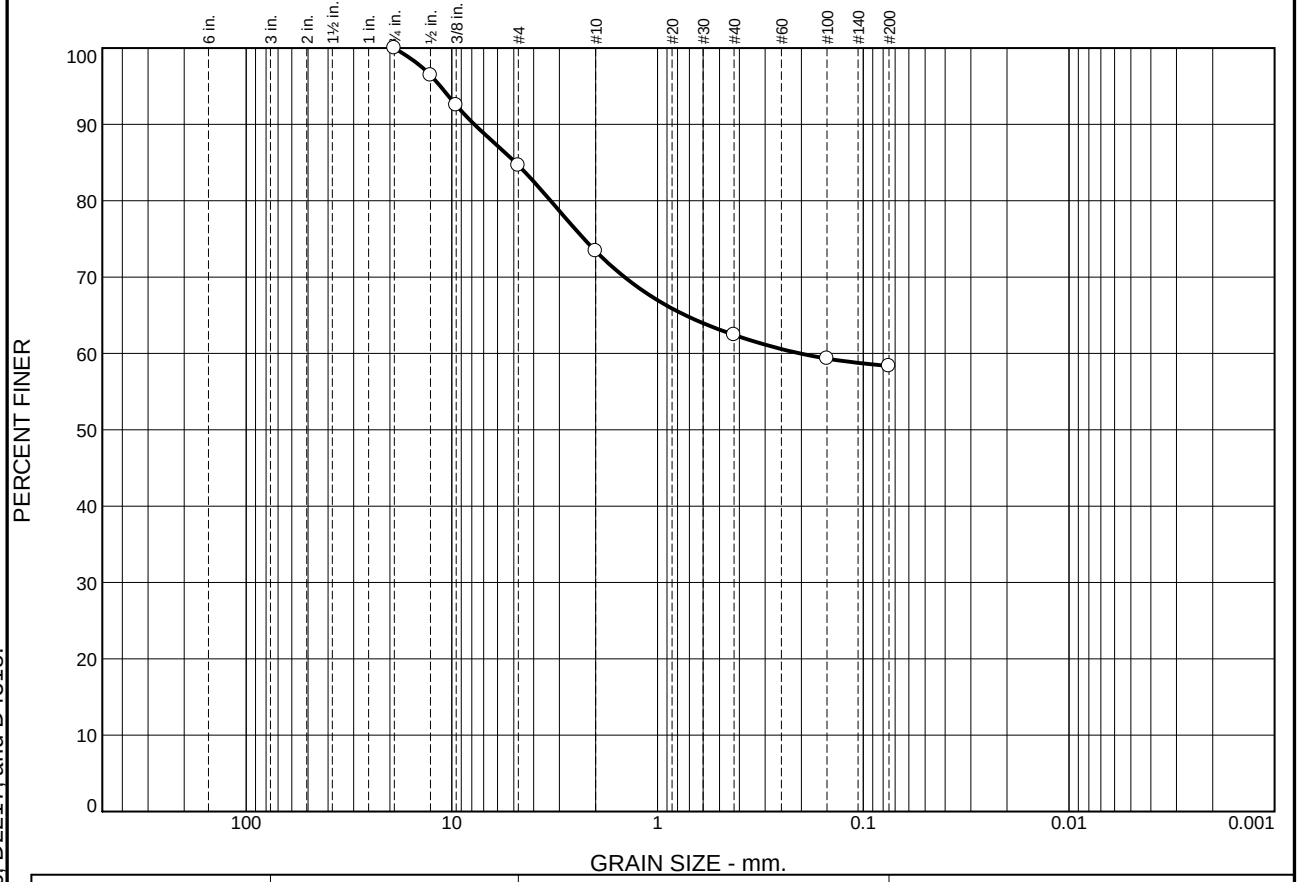
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	15.4	11.2	11.0	4.1	58.3	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	4.9059	0.2030						

Material Description	USCS	AASHTO
○ Sandy SILT with gravel	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1127 (Stake #5042) **Depth:** 2

Remarks:

○NMC = 14.5%

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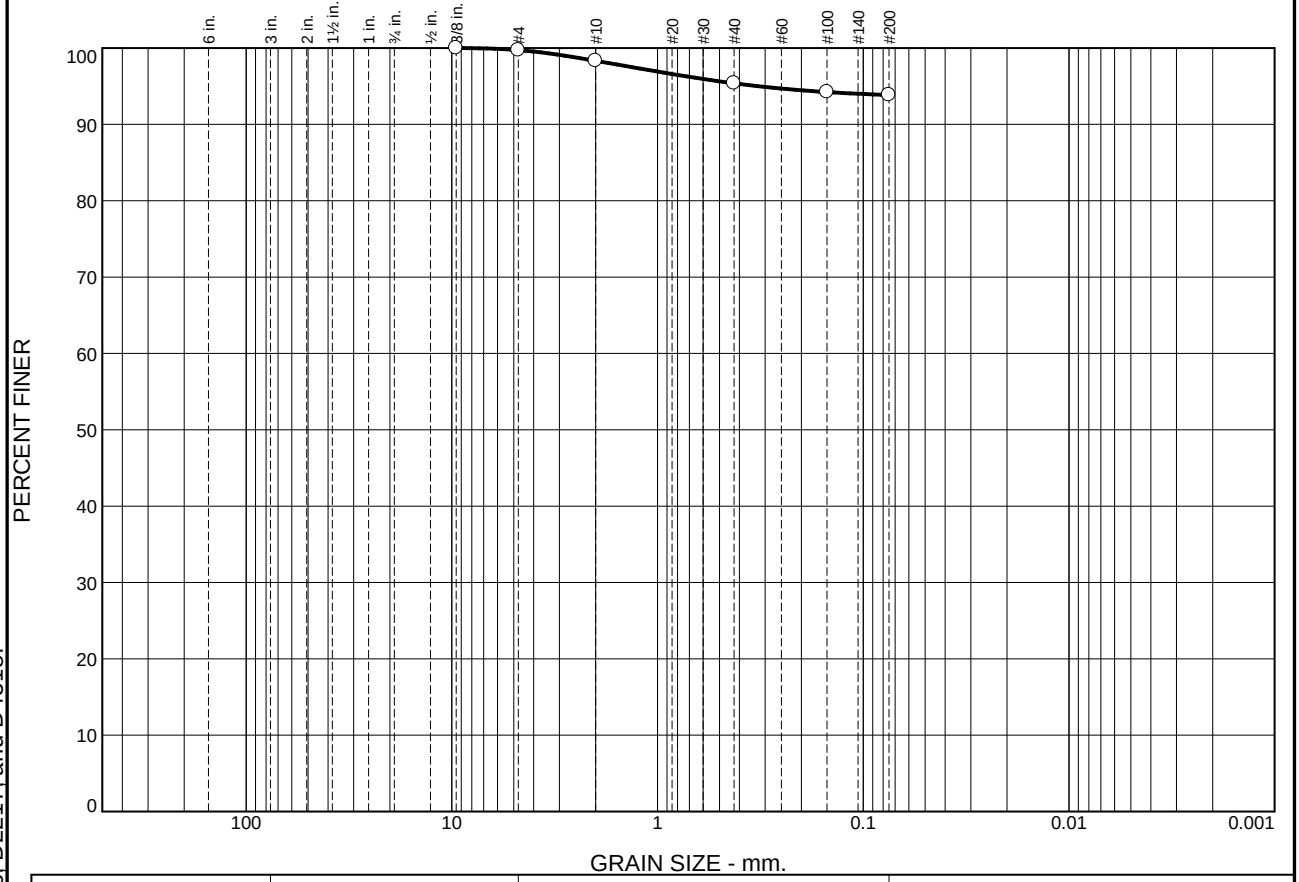
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.3	1.4	2.9	1.6	93.8	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32.0	23.7								

	Material Description	USCS	AASHTO
○	SILT	ML	A-4(8)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1135A (Stake #5132) **Depth:** 2

Remarks:

○NMC = 22.2%

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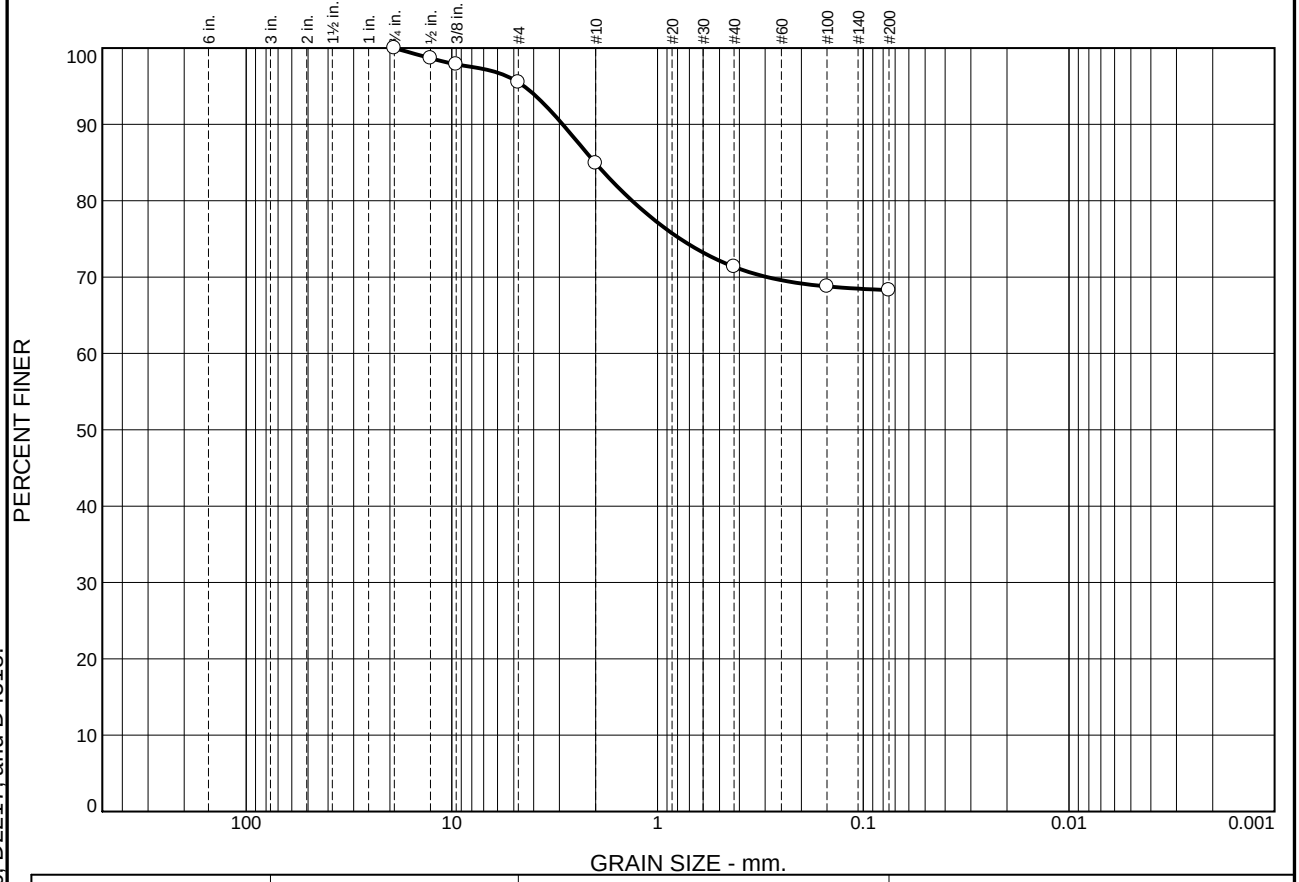
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	4.5	10.6	13.6	3.0	68.3	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	NV	NV	2.0132							

Material Description	USCS	AASHTO
○ Sandy SILT	ML	A-4(0)

Project No. 31191132x1 **Client:** Lennar

Project: Venue at Hopewell

○ **Source of Sample:** TP-1149 (Stake #5053) **Depth:** 1.5

Remarks:

○NMC = 23.0%

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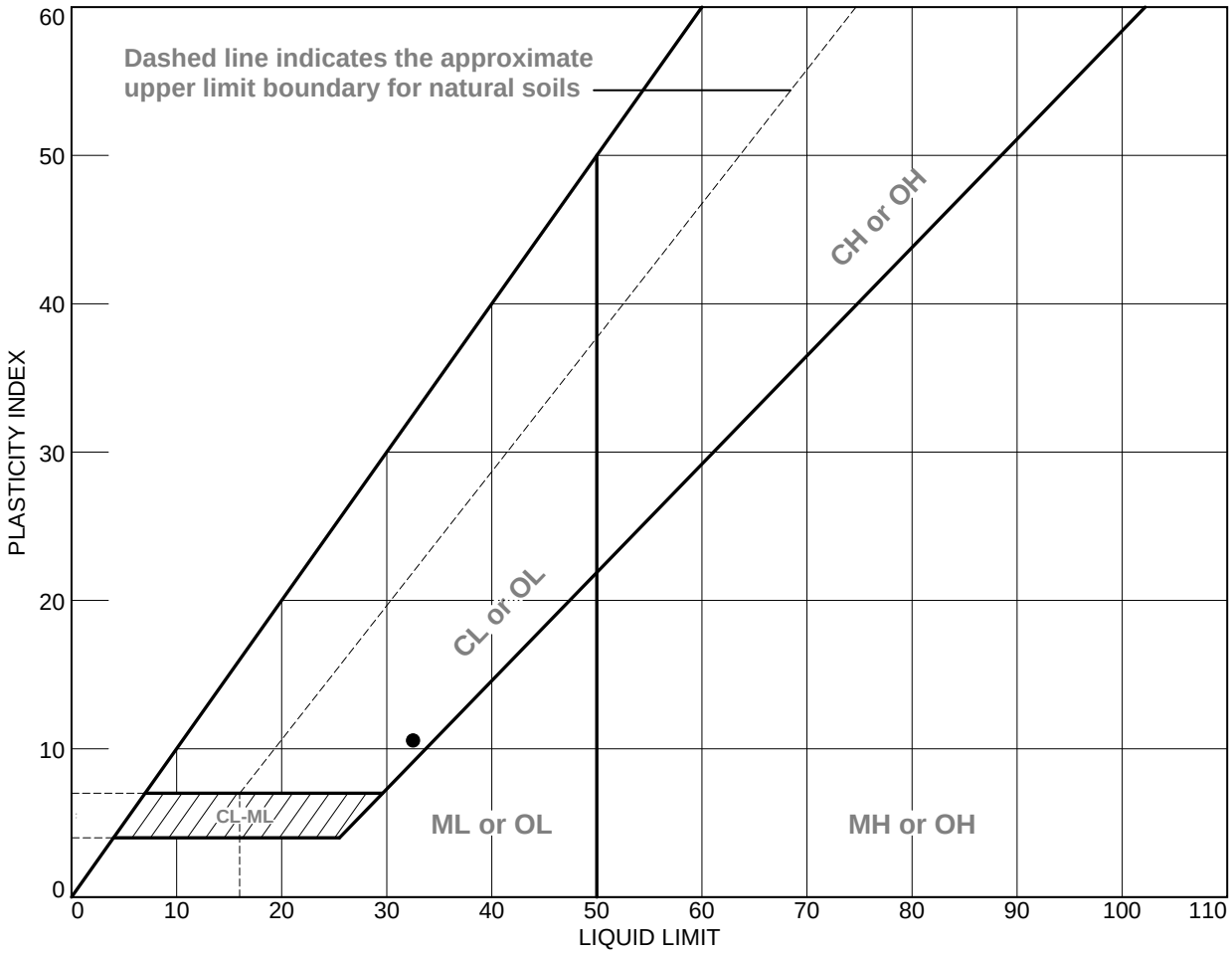
Somerset, NJ 08873

Figure

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

Tested By: RR **Checked By:** AMT

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1086 (Stake #5110)		2	20.3	22.1	32.6	10.5	CL

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

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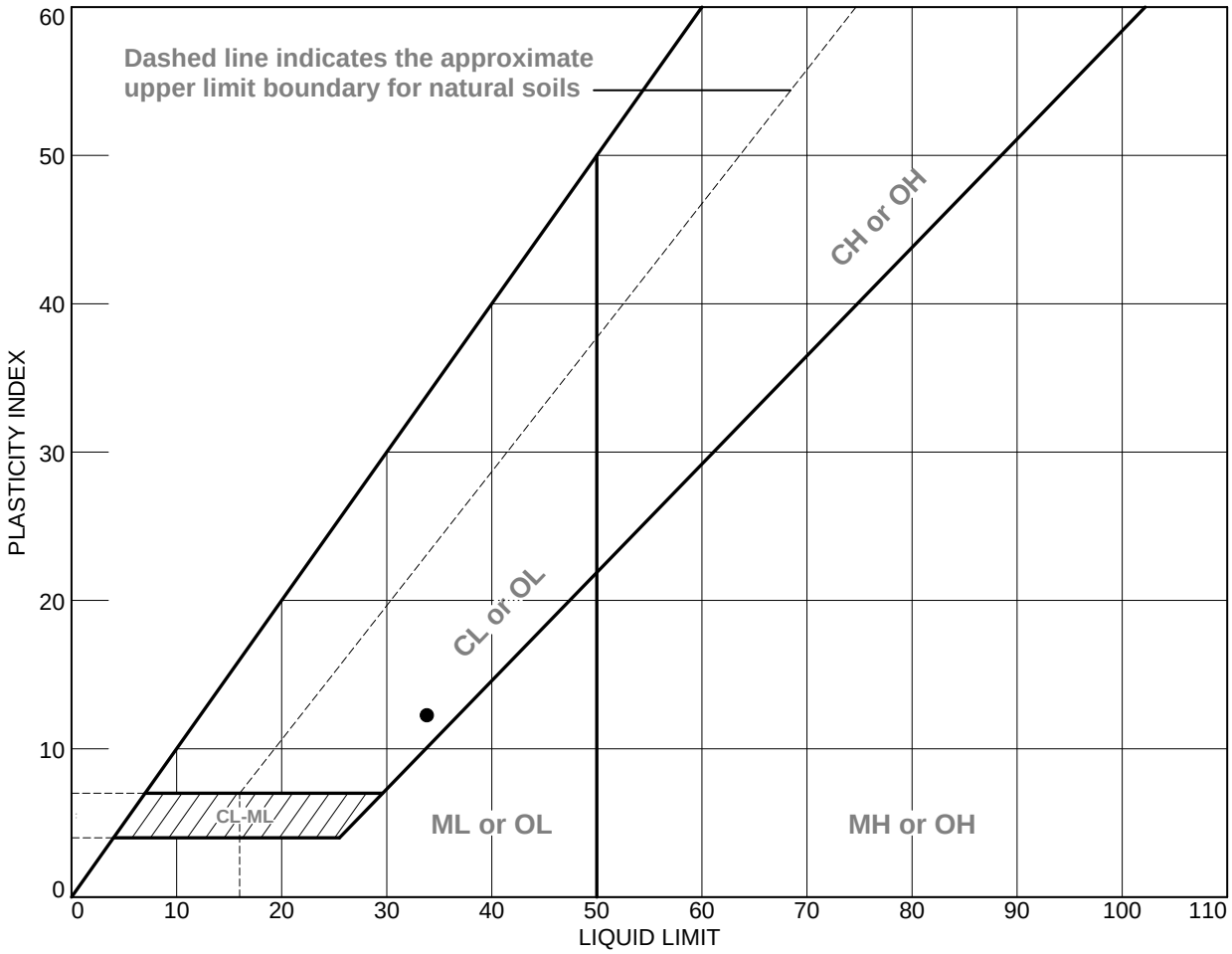
Somerset, NJ 08873

Client: Lennar
Project: Venue at Hopewell
Project No.: 31191132x1 **Figure**

Tested By: RR **Checked By:** AMT

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1104 (Stake #5101)		1	23.7	21.7	33.9	12.2	CL

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

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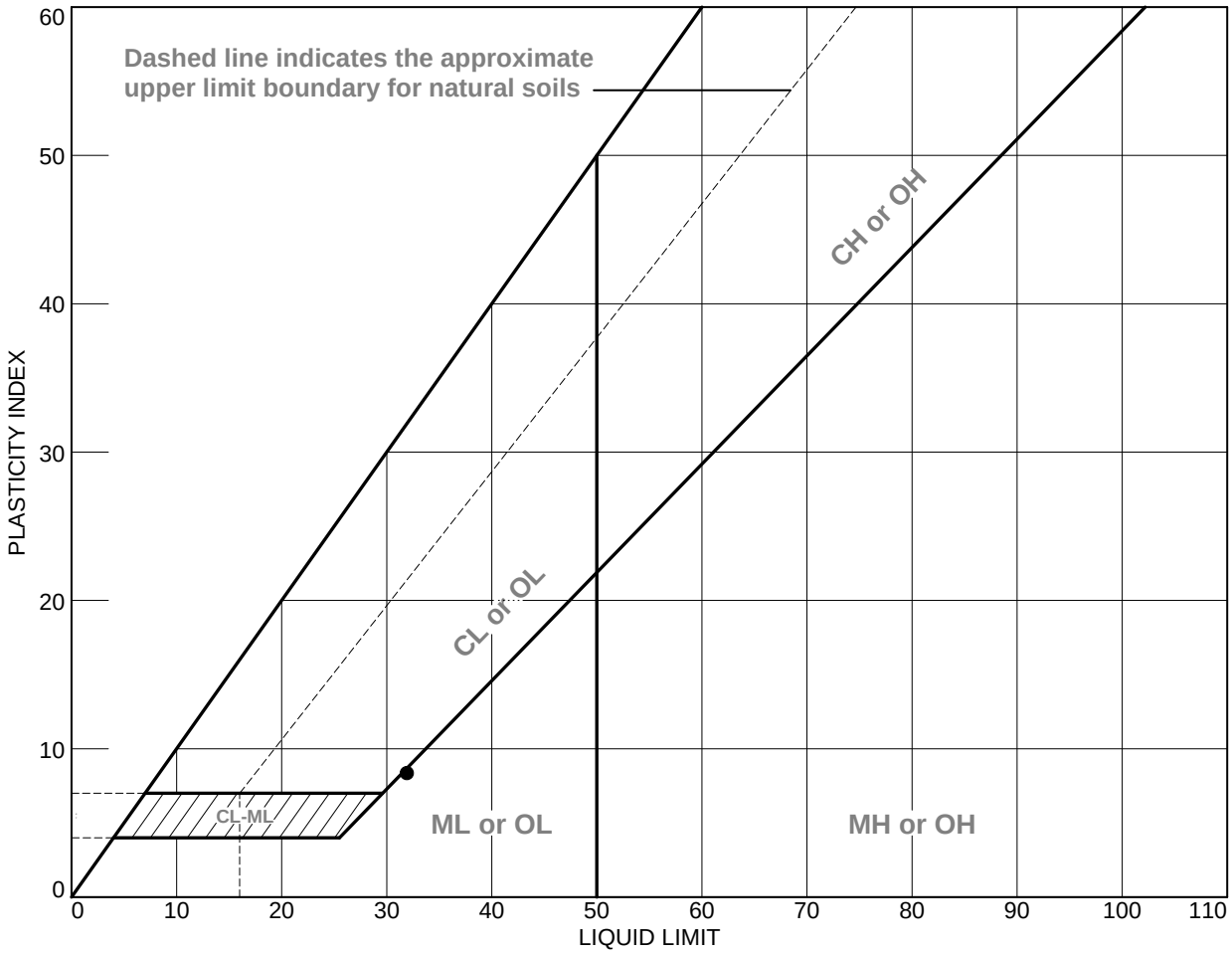
Client: Lennar
Project: Venue at Hopewell
Project No.: 31191132x1 **Figure**

Tested By: RR **Checked By:** AMT

LIQUID AND PLASTIC LIMITS TEST REPORT - ASTM D4318



SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	TP-1135A (Stake #5132)		2	22.2	23.7	32.0	8.3	ML

ASTM Specifications performed my include: D421, D422, D2216, D2217, and D4318.

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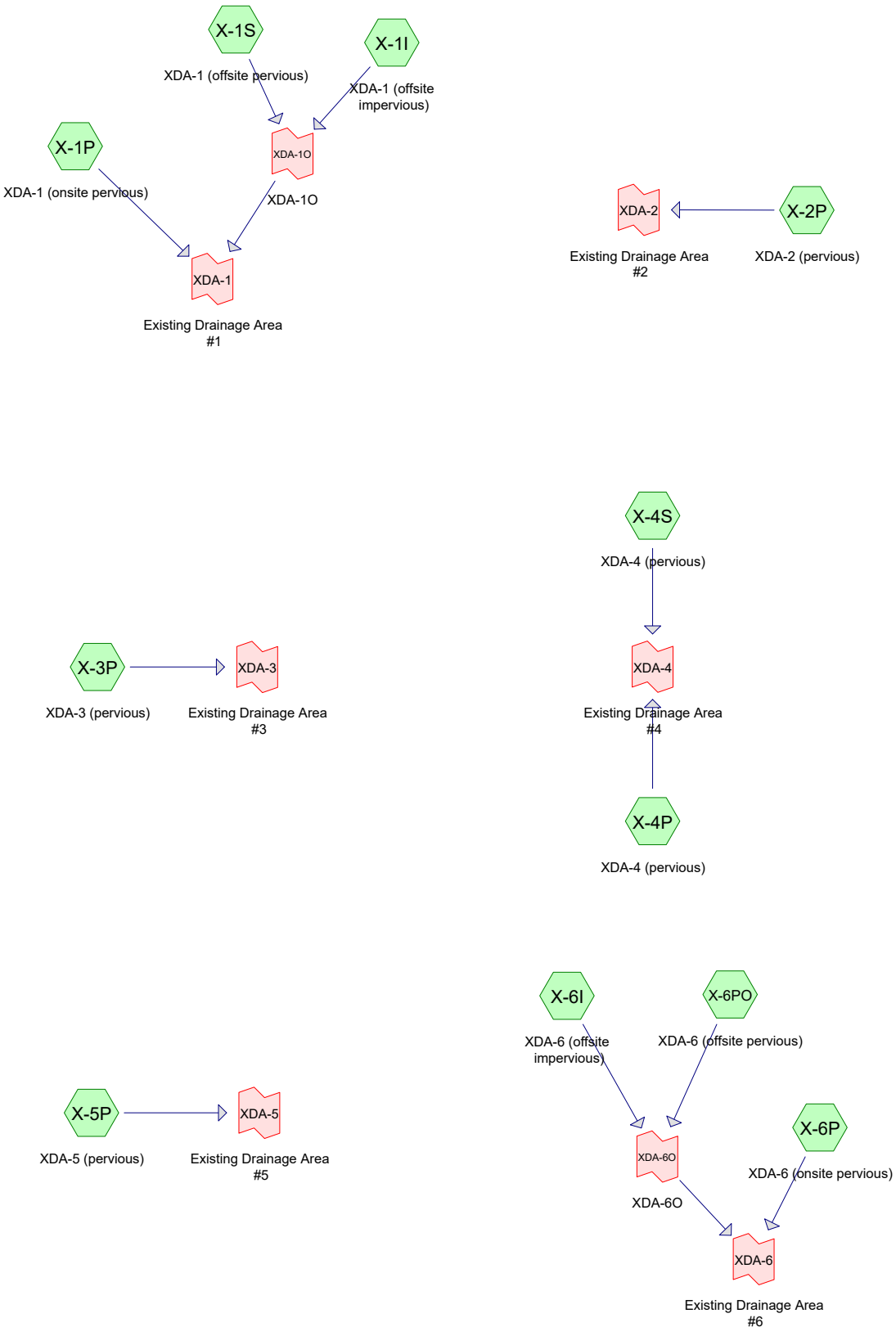
14 Worlds Fair Drive, Suite A
Somerset, NJ 08873

Client: Lennar
Project: Venue at Hopewell

Project No.: 31191132x1 **Figure**

Tested By: AFS **Checked By:** AMT

APPENDIX 2
TR-55 CALCULATIONS – EXISTING CONDITIONS



Routing Diagram for 2025-07-14 Existing - Offsite Split- 081391
Prepared by Bowman Consulting Group, Printed 9/30/2025
HydroCAD® 10.20-7a s/n 09435 © 2025 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.760	98	(X-6I)
3.220	61	>75% Grass cover, Good, HSG B (X-1P)
12.562	74	>75% Grass cover, Good, HSG C (X-1S)
4.536	92	Paved roads w/open ditches, 50% imp, HSG C (X-1I)
0.367	98	Roofs (X-1I)
49.180	71	Row crops, C&T, Good, HSG B (X-1P, X-2P, X-3P, X-4P, X-5P, X-6P, X-6PO)
69.360	78	Row crops, C&T, Good, HSG C (X-1P, X-2P, X-3P, X-4P, X-5P, X-6P, X-6PO)
2.430	81	Row crops, C&T, Good, HSG D (X-1P, X-2P, X-6P)
50.850	55	Woods, Good, HSG B (X-1P, X-1S, X-4P, X-4S, X-6P, X-6PO)
44.080	70	Woods, Good, HSG C (X-1P, X-1S, X-3P, X-4P, X-4S, X-6P, X-6PO)
12.354	77	Woods, Good, HSG D (X-1P, X-1S, X-4P, X-6P, X-6PO)
249.699	**70**	**TOTAL AREA**

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

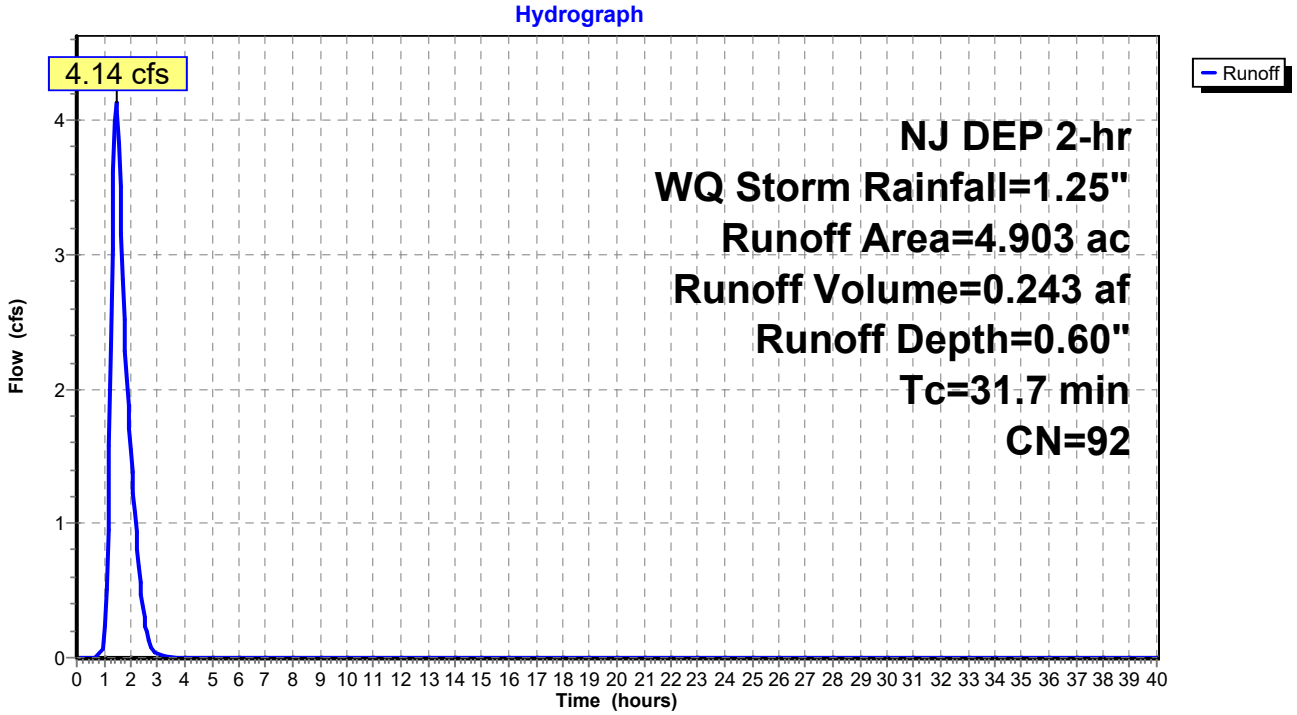
Runoff = 4.14 cfs @ 1.46 hrs, Volume= 0.243 af, Depth= 0.60"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.60	0.19
0.05	0.00	0.00	0.00	2.65	1.25	0.60	0.15
0.10	0.01	0.00	0.00	2.70	1.25	0.60	0.12
0.15	0.01	0.00	0.00	2.75	1.25	0.60	0.09
0.20	0.02	0.00	0.00	2.80	1.25	0.60	0.07
0.25	0.03	0.00	0.00	2.85	1.25	0.60	0.05
0.30	0.04	0.00	0.00	2.90	1.25	0.60	0.04
0.35	0.06	0.00	0.00	2.95	1.25	0.60	0.03
0.40	0.07	0.00	0.00	3.00	1.25	0.60	0.02
0.45	0.09	0.00	0.00	3.05	1.25	0.60	0.02
0.50	0.10	0.00	0.00	3.10	1.25	0.60	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.60	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.60	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.60	0.01
0.70	0.18	0.00	0.00	3.30	1.25	0.60	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.60	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.60	0.00
0.85	0.28	0.01	0.00	3.45	1.25	0.60	0.00
0.90	0.34	0.03	0.01	3.50	1.25	0.60	0.00
0.95	0.46	0.07	0.03	3.55	1.25	0.60	0.00
1.00	0.63	0.15	0.09	3.60	1.25	0.60	0.00
1.05	0.79	0.25	0.23	3.65	1.25	0.60	0.00
1.10	0.91	0.34	0.51	3.70	1.25	0.60	0.00
1.15	0.97	0.38	0.96	3.75	1.25	0.60	0.00
1.20	1.02	0.41	1.59	3.80	1.25	0.60	0.00
1.25	1.05	0.44	2.32	3.85	1.25	0.60	0.00
1.30	1.07	0.46	3.04	3.90	1.25	0.60	0.00
1.35	1.09	0.47	3.62	3.95	1.25	0.60	0.00
1.40	1.11	0.49	3.99	4.00	1.25	0.60	0.00
1.45	1.13	0.50	**4.13**	4.05	1.25	0.60	0.00
1.50	1.15	0.52	4.07	4.10	1.25	0.60	0.00
1.55	1.17	0.53	3.84	4.15	1.25	0.60	0.00
1.60	1.18	0.54	3.51	4.20	1.25	0.60	0.00
1.65	1.20	0.55	3.15	4.25	1.25	0.60	0.00
1.70	1.21	0.56	2.82	4.30	1.25	0.60	0.00
1.75	1.23	0.58	2.53	4.35	1.25	0.60	0.00
1.80	1.23	0.58	2.28	4.40	1.25	0.60	0.00
1.85	1.24	0.58	2.07	4.45	1.25	0.60	0.00
1.90	1.24	0.59	1.88	4.50	1.25	0.60	0.00
1.95	1.25	0.59	1.71	4.55	1.25	0.60	0.00
2.00	**1.25**	**0.60**	1.55	4.60	1.25	0.60	0.00
2.05	1.25	0.60	1.39	4.65	1.25	0.60	0.00
2.10	1.25	0.60	1.23	4.70	1.25	0.60	0.00
2.15	1.25	0.60	1.08	4.75	1.25	0.60	0.00
2.20	1.25	0.60	0.94	4.80	1.25	0.60	0.00
2.25	1.25	0.60	0.81	4.85	1.25	0.60	0.00
2.30	1.25	0.60	0.68	4.90	1.25	0.60	0.00
2.35	1.25	0.60	0.56	4.95	1.25	0.60	0.00
2.40	1.25	0.60	0.46	5.00	1.25	0.60	0.00
2.45	1.25	0.60	0.38	5.05	1.25	0.60	0.00
2.50	1.25	0.60	0.30	5.10	1.25	0.60	0.00
2.55	1.25	0.60	0.24	5.15	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.60	0.00	7.80	1.25	0.60	0.00
5.25	1.25	0.60	0.00	7.85	1.25	0.60	0.00
5.30	1.25	0.60	0.00	7.90	1.25	0.60	0.00
5.35	1.25	0.60	0.00	7.95	1.25	0.60	0.00
5.40	1.25	0.60	0.00	8.00	1.25	0.60	0.00
5.45	1.25	0.60	0.00	8.05	1.25	0.60	0.00
5.50	1.25	0.60	0.00	8.10	1.25	0.60	0.00
5.55	1.25	0.60	0.00	8.15	1.25	0.60	0.00
5.60	1.25	0.60	0.00	8.20	1.25	0.60	0.00
5.65	1.25	0.60	0.00	8.25	1.25	0.60	0.00
5.70	1.25	0.60	0.00	8.30	1.25	0.60	0.00
5.75	1.25	0.60	0.00	8.35	1.25	0.60	0.00
5.80	1.25	0.60	0.00	8.40	1.25	0.60	0.00
5.85	1.25	0.60	0.00	8.45	1.25	0.60	0.00
5.90	1.25	0.60	0.00	8.50	1.25	0.60	0.00
5.95	1.25	0.60	0.00	8.55	1.25	0.60	0.00
6.00	1.25	0.60	0.00	8.60	1.25	0.60	0.00
6.05	1.25	0.60	0.00	8.65	1.25	0.60	0.00
6.10	1.25	0.60	0.00	8.70	1.25	0.60	0.00
6.15	1.25	0.60	0.00	8.75	1.25	0.60	0.00
6.20	1.25	0.60	0.00	8.80	1.25	0.60	0.00
6.25	1.25	0.60	0.00	8.85	1.25	0.60	0.00
6.30	1.25	0.60	0.00	8.90	1.25	0.60	0.00
6.35	1.25	0.60	0.00	8.95	1.25	0.60	0.00
6.40	1.25	0.60	0.00	9.00	1.25	0.60	0.00
6.45	1.25	0.60	0.00	9.05	1.25	0.60	0.00
6.50	1.25	0.60	0.00	9.10	1.25	0.60	0.00
6.55	1.25	0.60	0.00	9.15	1.25	0.60	0.00
6.60	1.25	0.60	0.00	9.20	1.25	0.60	0.00
6.65	1.25	0.60	0.00	9.25	1.25	0.60	0.00
6.70	1.25	0.60	0.00	9.30	1.25	0.60	0.00
6.75	1.25	0.60	0.00	9.35	1.25	0.60	0.00
6.80	1.25	0.60	0.00	9.40	1.25	0.60	0.00
6.85	1.25	0.60	0.00	9.45	1.25	0.60	0.00
6.90	1.25	0.60	0.00	9.50	1.25	0.60	0.00
6.95	1.25	0.60	0.00	9.55	1.25	0.60	0.00
7.00	1.25	0.60	0.00	9.60	1.25	0.60	0.00
7.05	1.25	0.60	0.00	9.65	1.25	0.60	0.00
7.10	1.25	0.60	0.00	9.70	1.25	0.60	0.00
7.15	1.25	0.60	0.00	9.75	1.25	0.60	0.00
7.20	1.25	0.60	0.00	9.80	1.25	0.60	0.00
7.25	1.25	0.60	0.00	9.85	1.25	0.60	0.00
7.30	1.25	0.60	0.00	9.90	1.25	0.60	0.00
7.35	1.25	0.60	0.00	9.95	1.25	0.60	0.00
7.40	1.25	0.60	0.00	10.00	1.25	0.60	0.00
7.45	1.25	0.60	0.00	10.05	1.25	0.60	0.00
7.50	1.25	0.60	0.00	10.10	1.25	0.60	0.00
7.55	1.25	0.60	0.00	10.15	1.25	0.60	0.00
7.60	1.25	0.60	0.00	10.20	1.25	0.60	0.00
7.65	1.25	0.60	0.00	10.25	1.25	0.60	0.00
7.70	1.25	0.60	0.00	10.30	1.25	0.60	0.00
7.75	1.25	0.60	0.00	10.35	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.60	0.00	13.00	1.25	0.60	0.00
10.45	1.25	0.60	0.00	13.05	1.25	0.60	0.00
10.50	1.25	0.60	0.00	13.10	1.25	0.60	0.00
10.55	1.25	0.60	0.00	13.15	1.25	0.60	0.00
10.60	1.25	0.60	0.00	13.20	1.25	0.60	0.00
10.65	1.25	0.60	0.00	13.25	1.25	0.60	0.00
10.70	1.25	0.60	0.00	13.30	1.25	0.60	0.00
10.75	1.25	0.60	0.00	13.35	1.25	0.60	0.00
10.80	1.25	0.60	0.00	13.40	1.25	0.60	0.00
10.85	1.25	0.60	0.00	13.45	1.25	0.60	0.00
10.90	1.25	0.60	0.00	13.50	1.25	0.60	0.00
10.95	1.25	0.60	0.00	13.55	1.25	0.60	0.00
11.00	1.25	0.60	0.00	13.60	1.25	0.60	0.00
11.05	1.25	0.60	0.00	13.65	1.25	0.60	0.00
11.10	1.25	0.60	0.00	13.70	1.25	0.60	0.00
11.15	1.25	0.60	0.00	13.75	1.25	0.60	0.00
11.20	1.25	0.60	0.00	13.80	1.25	0.60	0.00
11.25	1.25	0.60	0.00	13.85	1.25	0.60	0.00
11.30	1.25	0.60	0.00	13.90	1.25	0.60	0.00
11.35	1.25	0.60	0.00	13.95	1.25	0.60	0.00
11.40	1.25	0.60	0.00	14.00	1.25	0.60	0.00
11.45	1.25	0.60	0.00	14.05	1.25	0.60	0.00
11.50	1.25	0.60	0.00	14.10	1.25	0.60	0.00
11.55	1.25	0.60	0.00	14.15	1.25	0.60	0.00
11.60	1.25	0.60	0.00	14.20	1.25	0.60	0.00
11.65	1.25	0.60	0.00	14.25	1.25	0.60	0.00
11.70	1.25	0.60	0.00	14.30	1.25	0.60	0.00
11.75	1.25	0.60	0.00	14.35	1.25	0.60	0.00
11.80	1.25	0.60	0.00	14.40	1.25	0.60	0.00
11.85	1.25	0.60	0.00	14.45	1.25	0.60	0.00
11.90	1.25	0.60	0.00	14.50	1.25	0.60	0.00
11.95	1.25	0.60	0.00	14.55	1.25	0.60	0.00
12.00	1.25	0.60	0.00	14.60	1.25	0.60	0.00
12.05	1.25	0.60	0.00	14.65	1.25	0.60	0.00
12.10	1.25	0.60	0.00	14.70	1.25	0.60	0.00
12.15	1.25	0.60	0.00	14.75	1.25	0.60	0.00
12.20	1.25	0.60	0.00	14.80	1.25	0.60	0.00
12.25	1.25	0.60	0.00	14.85	1.25	0.60	0.00
12.30	1.25	0.60	0.00	14.90	1.25	0.60	0.00
12.35	1.25	0.60	0.00	14.95	1.25	0.60	0.00
12.40	1.25	0.60	0.00	15.00	1.25	0.60	0.00
12.45	1.25	0.60	0.00	15.05	1.25	0.60	0.00
12.50	1.25	0.60	0.00	15.10	1.25	0.60	0.00
12.55	1.25	0.60	0.00	15.15	1.25	0.60	0.00
12.60	1.25	0.60	0.00	15.20	1.25	0.60	0.00
12.65	1.25	0.60	0.00	15.25	1.25	0.60	0.00
12.70	1.25	0.60	0.00	15.30	1.25	0.60	0.00
12.75	1.25	0.60	0.00	15.35	1.25	0.60	0.00
12.80	1.25	0.60	0.00	15.40	1.25	0.60	0.00
12.85	1.25	0.60	0.00	15.45	1.25	0.60	0.00
12.90	1.25	0.60	0.00	15.50	1.25	0.60	0.00
12.95	1.25	0.60	0.00	15.55	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.60	0.00	18.20	1.25	0.60	0.00
15.65	1.25	0.60	0.00	18.25	1.25	0.60	0.00
15.70	1.25	0.60	0.00	18.30	1.25	0.60	0.00
15.75	1.25	0.60	0.00	18.35	1.25	0.60	0.00
15.80	1.25	0.60	0.00	18.40	1.25	0.60	0.00
15.85	1.25	0.60	0.00	18.45	1.25	0.60	0.00
15.90	1.25	0.60	0.00	18.50	1.25	0.60	0.00
15.95	1.25	0.60	0.00	18.55	1.25	0.60	0.00
16.00	1.25	0.60	0.00	18.60	1.25	0.60	0.00
16.05	1.25	0.60	0.00	18.65	1.25	0.60	0.00
16.10	1.25	0.60	0.00	18.70	1.25	0.60	0.00
16.15	1.25	0.60	0.00	18.75	1.25	0.60	0.00
16.20	1.25	0.60	0.00	18.80	1.25	0.60	0.00
16.25	1.25	0.60	0.00	18.85	1.25	0.60	0.00
16.30	1.25	0.60	0.00	18.90	1.25	0.60	0.00
16.35	1.25	0.60	0.00	18.95	1.25	0.60	0.00
16.40	1.25	0.60	0.00	19.00	1.25	0.60	0.00
16.45	1.25	0.60	0.00	19.05	1.25	0.60	0.00
16.50	1.25	0.60	0.00	19.10	1.25	0.60	0.00
16.55	1.25	0.60	0.00	19.15	1.25	0.60	0.00
16.60	1.25	0.60	0.00	19.20	1.25	0.60	0.00
16.65	1.25	0.60	0.00	19.25	1.25	0.60	0.00
16.70	1.25	0.60	0.00	19.30	1.25	0.60	0.00
16.75	1.25	0.60	0.00	19.35	1.25	0.60	0.00
16.80	1.25	0.60	0.00	19.40	1.25	0.60	0.00
16.85	1.25	0.60	0.00	19.45	1.25	0.60	0.00
16.90	1.25	0.60	0.00	19.50	1.25	0.60	0.00
16.95	1.25	0.60	0.00	19.55	1.25	0.60	0.00
17.00	1.25	0.60	0.00	19.60	1.25	0.60	0.00
17.05	1.25	0.60	0.00	19.65	1.25	0.60	0.00
17.10	1.25	0.60	0.00	19.70	1.25	0.60	0.00
17.15	1.25	0.60	0.00	19.75	1.25	0.60	0.00
17.20	1.25	0.60	0.00	19.80	1.25	0.60	0.00
17.25	1.25	0.60	0.00	19.85	1.25	0.60	0.00
17.30	1.25	0.60	0.00	19.90	1.25	0.60	0.00
17.35	1.25	0.60	0.00	19.95	1.25	0.60	0.00
17.40	1.25	0.60	0.00	20.00	1.25	0.60	0.00
17.45	1.25	0.60	0.00	20.05	1.25	0.60	0.00
17.50	1.25	0.60	0.00	20.10	1.25	0.60	0.00
17.55	1.25	0.60	0.00	20.15	1.25	0.60	0.00
17.60	1.25	0.60	0.00	20.20	1.25	0.60	0.00
17.65	1.25	0.60	0.00	20.25	1.25	0.60	0.00
17.70	1.25	0.60	0.00	20.30	1.25	0.60	0.00
17.75	1.25	0.60	0.00	20.35	1.25	0.60	0.00
17.80	1.25	0.60	0.00	20.40	1.25	0.60	0.00
17.85	1.25	0.60	0.00	20.45	1.25	0.60	0.00
17.90	1.25	0.60	0.00	20.50	1.25	0.60	0.00
17.95	1.25	0.60	0.00	20.55	1.25	0.60	0.00
18.00	1.25	0.60	0.00	20.60	1.25	0.60	0.00
18.05	1.25	0.60	0.00	20.65	1.25	0.60	0.00
18.10	1.25	0.60	0.00	20.70	1.25	0.60	0.00
18.15	1.25	0.60	0.00	20.75	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.60	0.00	23.40	1.25	0.60	0.00
20.85	1.25	0.60	0.00	23.45	1.25	0.60	0.00
20.90	1.25	0.60	0.00	23.50	1.25	0.60	0.00
20.95	1.25	0.60	0.00	23.55	1.25	0.60	0.00
21.00	1.25	0.60	0.00	23.60	1.25	0.60	0.00
21.05	1.25	0.60	0.00	23.65	1.25	0.60	0.00
21.10	1.25	0.60	0.00	23.70	1.25	0.60	0.00
21.15	1.25	0.60	0.00	23.75	1.25	0.60	0.00
21.20	1.25	0.60	0.00	23.80	1.25	0.60	0.00
21.25	1.25	0.60	0.00	23.85	1.25	0.60	0.00
21.30	1.25	0.60	0.00	23.90	1.25	0.60	0.00
21.35	1.25	0.60	0.00	23.95	1.25	0.60	0.00
21.40	1.25	0.60	0.00	24.00	1.25	0.60	0.00
21.45	1.25	0.60	0.00	24.05	1.25	0.60	0.00
21.50	1.25	0.60	0.00	24.10	1.25	0.60	0.00
21.55	1.25	0.60	0.00	24.15	1.25	0.60	0.00
21.60	1.25	0.60	0.00	24.20	1.25	0.60	0.00
21.65	1.25	0.60	0.00	24.25	1.25	0.60	0.00
21.70	1.25	0.60	0.00	24.30	1.25	0.60	0.00
21.75	1.25	0.60	0.00	24.35	1.25	0.60	0.00
21.80	1.25	0.60	0.00	24.40	1.25	0.60	0.00
21.85	1.25	0.60	0.00	24.45	1.25	0.60	0.00
21.90	1.25	0.60	0.00	24.50	1.25	0.60	0.00
21.95	1.25	0.60	0.00	24.55	1.25	0.60	0.00
22.00	1.25	0.60	0.00	24.60	1.25	0.60	0.00
22.05	1.25	0.60	0.00	24.65	1.25	0.60	0.00
22.10	1.25	0.60	0.00	24.70	1.25	0.60	0.00
22.15	1.25	0.60	0.00	24.75	1.25	0.60	0.00
22.20	1.25	0.60	0.00	24.80	1.25	0.60	0.00
22.25	1.25	0.60	0.00	24.85	1.25	0.60	0.00
22.30	1.25	0.60	0.00	24.90	1.25	0.60	0.00
22.35	1.25	0.60	0.00	24.95	1.25	0.60	0.00
22.40	1.25	0.60	0.00	25.00	1.25	0.60	0.00
22.45	1.25	0.60	0.00	25.05	1.25	0.60	0.00
22.50	1.25	0.60	0.00	25.10	1.25	0.60	0.00
22.55	1.25	0.60	0.00	25.15	1.25	0.60	0.00
22.60	1.25	0.60	0.00	25.20	1.25	0.60	0.00
22.65	1.25	0.60	0.00	25.25	1.25	0.60	0.00
22.70	1.25	0.60	0.00	25.30	1.25	0.60	0.00
22.75	1.25	0.60	0.00	25.35	1.25	0.60	0.00
22.80	1.25	0.60	0.00	25.40	1.25	0.60	0.00
22.85	1.25	0.60	0.00	25.45	1.25	0.60	0.00
22.90	1.25	0.60	0.00	25.50	1.25	0.60	0.00
22.95	1.25	0.60	0.00	25.55	1.25	0.60	0.00
23.00	1.25	0.60	0.00	25.60	1.25	0.60	0.00
23.05	1.25	0.60	0.00	25.65	1.25	0.60	0.00
23.10	1.25	0.60	0.00	25.70	1.25	0.60	0.00
23.15	1.25	0.60	0.00	25.75	1.25	0.60	0.00
23.20	1.25	0.60	0.00	25.80	1.25	0.60	0.00
23.25	1.25	0.60	0.00	25.85	1.25	0.60	0.00
23.30	1.25	0.60	0.00	25.90	1.25	0.60	0.00
23.35	1.25	0.60	0.00	25.95	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.60	0.00	28.60	1.25	0.60	0.00
26.05	1.25	0.60	0.00	28.65	1.25	0.60	0.00
26.10	1.25	0.60	0.00	28.70	1.25	0.60	0.00
26.15	1.25	0.60	0.00	28.75	1.25	0.60	0.00
26.20	1.25	0.60	0.00	28.80	1.25	0.60	0.00
26.25	1.25	0.60	0.00	28.85	1.25	0.60	0.00
26.30	1.25	0.60	0.00	28.90	1.25	0.60	0.00
26.35	1.25	0.60	0.00	28.95	1.25	0.60	0.00
26.40	1.25	0.60	0.00	29.00	1.25	0.60	0.00
26.45	1.25	0.60	0.00	29.05	1.25	0.60	0.00
26.50	1.25	0.60	0.00	29.10	1.25	0.60	0.00
26.55	1.25	0.60	0.00	29.15	1.25	0.60	0.00
26.60	1.25	0.60	0.00	29.20	1.25	0.60	0.00
26.65	1.25	0.60	0.00	29.25	1.25	0.60	0.00
26.70	1.25	0.60	0.00	29.30	1.25	0.60	0.00
26.75	1.25	0.60	0.00	29.35	1.25	0.60	0.00
26.80	1.25	0.60	0.00	29.40	1.25	0.60	0.00
26.85	1.25	0.60	0.00	29.45	1.25	0.60	0.00
26.90	1.25	0.60	0.00	29.50	1.25	0.60	0.00
26.95	1.25	0.60	0.00	29.55	1.25	0.60	0.00
27.00	1.25	0.60	0.00	29.60	1.25	0.60	0.00
27.05	1.25	0.60	0.00	29.65	1.25	0.60	0.00
27.10	1.25	0.60	0.00	29.70	1.25	0.60	0.00
27.15	1.25	0.60	0.00	29.75	1.25	0.60	0.00
27.20	1.25	0.60	0.00	29.80	1.25	0.60	0.00
27.25	1.25	0.60	0.00	29.85	1.25	0.60	0.00
27.30	1.25	0.60	0.00	29.90	1.25	0.60	0.00
27.35	1.25	0.60	0.00	29.95	1.25	0.60	0.00
27.40	1.25	0.60	0.00	30.00	1.25	0.60	0.00
27.45	1.25	0.60	0.00	30.05	1.25	0.60	0.00
27.50	1.25	0.60	0.00	30.10	1.25	0.60	0.00
27.55	1.25	0.60	0.00	30.15	1.25	0.60	0.00
27.60	1.25	0.60	0.00	30.20	1.25	0.60	0.00
27.65	1.25	0.60	0.00	30.25	1.25	0.60	0.00
27.70	1.25	0.60	0.00	30.30	1.25	0.60	0.00
27.75	1.25	0.60	0.00	30.35	1.25	0.60	0.00
27.80	1.25	0.60	0.00	30.40	1.25	0.60	0.00
27.85	1.25	0.60	0.00	30.45	1.25	0.60	0.00
27.90	1.25	0.60	0.00	30.50	1.25	0.60	0.00
27.95	1.25	0.60	0.00	30.55	1.25	0.60	0.00
28.00	1.25	0.60	0.00	30.60	1.25	0.60	0.00
28.05	1.25	0.60	0.00	30.65	1.25	0.60	0.00
28.10	1.25	0.60	0.00	30.70	1.25	0.60	0.00
28.15	1.25	0.60	0.00	30.75	1.25	0.60	0.00
28.20	1.25	0.60	0.00	30.80	1.25	0.60	0.00
28.25	1.25	0.60	0.00	30.85	1.25	0.60	0.00
28.30	1.25	0.60	0.00	30.90	1.25	0.60	0.00
28.35	1.25	0.60	0.00	30.95	1.25	0.60	0.00
28.40	1.25	0.60	0.00	31.00	1.25	0.60	0.00
28.45	1.25	0.60	0.00	31.05	1.25	0.60	0.00
28.50	1.25	0.60	0.00	31.10	1.25	0.60	0.00
28.55	1.25	0.60	0.00	31.15	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.60	0.00	33.80	1.25	0.60	0.00
31.25	1.25	0.60	0.00	33.85	1.25	0.60	0.00
31.30	1.25	0.60	0.00	33.90	1.25	0.60	0.00
31.35	1.25	0.60	0.00	33.95	1.25	0.60	0.00
31.40	1.25	0.60	0.00	34.00	1.25	0.60	0.00
31.45	1.25	0.60	0.00	34.05	1.25	0.60	0.00
31.50	1.25	0.60	0.00	34.10	1.25	0.60	0.00
31.55	1.25	0.60	0.00	34.15	1.25	0.60	0.00
31.60	1.25	0.60	0.00	34.20	1.25	0.60	0.00
31.65	1.25	0.60	0.00	34.25	1.25	0.60	0.00
31.70	1.25	0.60	0.00	34.30	1.25	0.60	0.00
31.75	1.25	0.60	0.00	34.35	1.25	0.60	0.00
31.80	1.25	0.60	0.00	34.40	1.25	0.60	0.00
31.85	1.25	0.60	0.00	34.45	1.25	0.60	0.00
31.90	1.25	0.60	0.00	34.50	1.25	0.60	0.00
31.95	1.25	0.60	0.00	34.55	1.25	0.60	0.00
32.00	1.25	0.60	0.00	34.60	1.25	0.60	0.00
32.05	1.25	0.60	0.00	34.65	1.25	0.60	0.00
32.10	1.25	0.60	0.00	34.70	1.25	0.60	0.00
32.15	1.25	0.60	0.00	34.75	1.25	0.60	0.00
32.20	1.25	0.60	0.00	34.80	1.25	0.60	0.00
32.25	1.25	0.60	0.00	34.85	1.25	0.60	0.00
32.30	1.25	0.60	0.00	34.90	1.25	0.60	0.00
32.35	1.25	0.60	0.00	34.95	1.25	0.60	0.00
32.40	1.25	0.60	0.00	35.00	1.25	0.60	0.00
32.45	1.25	0.60	0.00	35.05	1.25	0.60	0.00
32.50	1.25	0.60	0.00	35.10	1.25	0.60	0.00
32.55	1.25	0.60	0.00	35.15	1.25	0.60	0.00
32.60	1.25	0.60	0.00	35.20	1.25	0.60	0.00
32.65	1.25	0.60	0.00	35.25	1.25	0.60	0.00
32.70	1.25	0.60	0.00	35.30	1.25	0.60	0.00
32.75	1.25	0.60	0.00	35.35	1.25	0.60	0.00
32.80	1.25	0.60	0.00	35.40	1.25	0.60	0.00
32.85	1.25	0.60	0.00	35.45	1.25	0.60	0.00
32.90	1.25	0.60	0.00	35.50	1.25	0.60	0.00
32.95	1.25	0.60	0.00	35.55	1.25	0.60	0.00
33.00	1.25	0.60	0.00	35.60	1.25	0.60	0.00
33.05	1.25	0.60	0.00	35.65	1.25	0.60	0.00
33.10	1.25	0.60	0.00	35.70	1.25	0.60	0.00
33.15	1.25	0.60	0.00	35.75	1.25	0.60	0.00
33.20	1.25	0.60	0.00	35.80	1.25	0.60	0.00
33.25	1.25	0.60	0.00	35.85	1.25	0.60	0.00
33.30	1.25	0.60	0.00	35.90	1.25	0.60	0.00
33.35	1.25	0.60	0.00	35.95	1.25	0.60	0.00
33.40	1.25	0.60	0.00	36.00	1.25	0.60	0.00
33.45	1.25	0.60	0.00	36.05	1.25	0.60	0.00
33.50	1.25	0.60	0.00	36.10	1.25	0.60	0.00
33.55	1.25	0.60	0.00	36.15	1.25	0.60	0.00
33.60	1.25	0.60	0.00	36.20	1.25	0.60	0.00
33.65	1.25	0.60	0.00	36.25	1.25	0.60	0.00
33.70	1.25	0.60	0.00	36.30	1.25	0.60	0.00
33.75	1.25	0.60	0.00	36.35	1.25	0.60	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.60	0.00
36.45	1.25	0.60	0.00
36.50	1.25	0.60	0.00
36.55	1.25	0.60	0.00
36.60	1.25	0.60	0.00
36.65	1.25	0.60	0.00
36.70	1.25	0.60	0.00
36.75	1.25	0.60	0.00
36.80	1.25	0.60	0.00
36.85	1.25	0.60	0.00
36.90	1.25	0.60	0.00
36.95	1.25	0.60	0.00
37.00	1.25	0.60	0.00
37.05	1.25	0.60	0.00
37.10	1.25	0.60	0.00
37.15	1.25	0.60	0.00
37.20	1.25	0.60	0.00
37.25	1.25	0.60	0.00
37.30	1.25	0.60	0.00
37.35	1.25	0.60	0.00
37.40	1.25	0.60	0.00
37.45	1.25	0.60	0.00
37.50	1.25	0.60	0.00
37.55	1.25	0.60	0.00
37.60	1.25	0.60	0.00
37.65	1.25	0.60	0.00
37.70	1.25	0.60	0.00
37.75	1.25	0.60	0.00
37.80	1.25	0.60	0.00
37.85	1.25	0.60	0.00
37.90	1.25	0.60	0.00
37.95	1.25	0.60	0.00
38.00	1.25	0.60	0.00
38.05	1.25	0.60	0.00
38.10	1.25	0.60	0.00
38.15	1.25	0.60	0.00
38.20	1.25	0.60	0.00
38.25	1.25	0.60	0.00
38.30	1.25	0.60	0.00
38.35	1.25	0.60	0.00
38.40	1.25	0.60	0.00
38.45	1.25	0.60	0.00
38.50	1.25	0.60	0.00
38.55	1.25	0.60	0.00
38.60	1.25	0.60	0.00
38.65	1.25	0.60	0.00
38.70	1.25	0.60	0.00
38.75	1.25	0.60	0.00
38.80	1.25	0.60	0.00
38.85	1.25	0.60	0.00
38.90	1.25	0.60	0.00
38.95	1.25	0.60	0.00
39.00	1.25	0.60	0.00
39.05	1.25	0.60	0.00
39.10	1.25	0.60	0.00
39.15	1.25	0.60	0.00
39.20	1.25	0.60	0.00
39.25	1.25	0.60	0.00
39.30	1.25	0.60	0.00
39.35	1.25	0.60	0.00
39.40	1.25	0.60	0.00
39.45	1.25	0.60	0.00
39.50	1.25	0.60	0.00
39.55	1.25	0.60	0.00
39.60	1.25	0.60	0.00
39.65	1.25	0.60	0.00
39.70	1.25	0.60	0.00
39.75	1.25	0.60	0.00
39.80	1.25	0.60	0.00
39.85	1.25	0.60	0.00
39.90	1.25	0.60	0.00
39.95	1.25	0.60	0.00
40.00	1.25	0.60	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

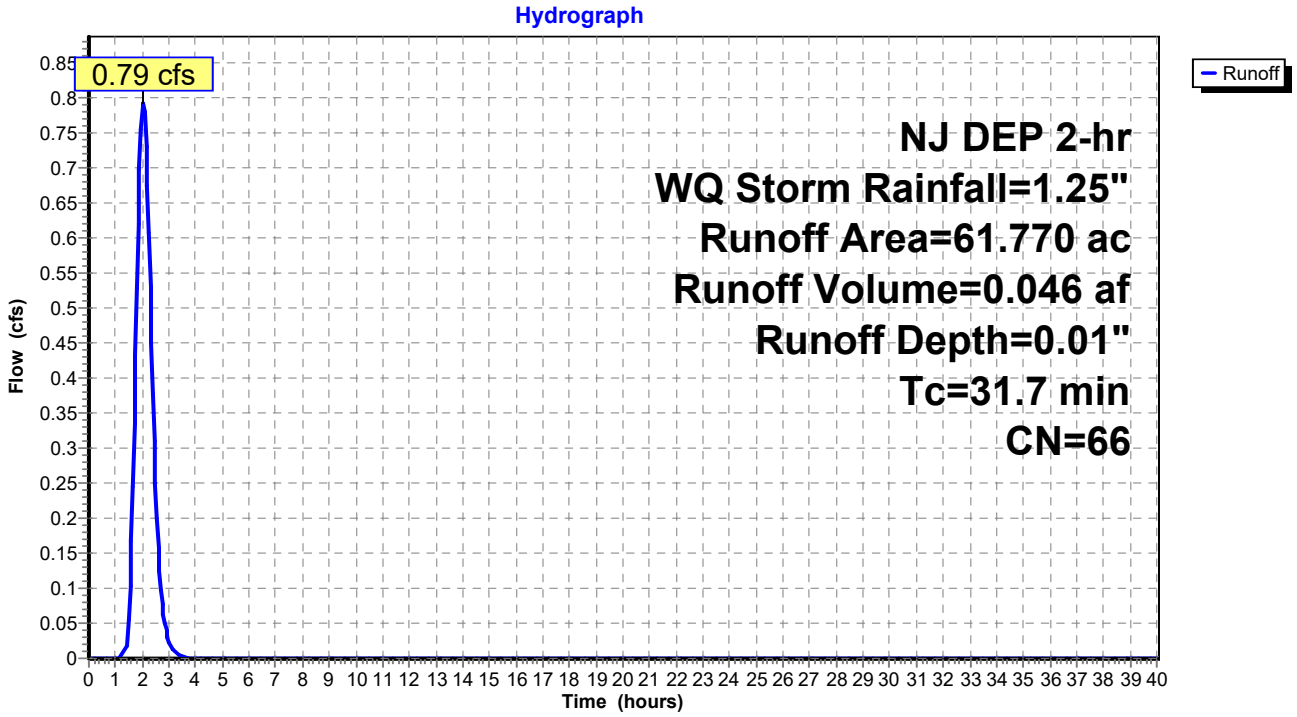
Runoff = 0.79 cfs @ 2.03 hrs, Volume= 0.046 af, Depth= 0.01"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.16
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.12
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.10
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.08
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.06
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.05
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.04
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.03
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.02
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.02
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.02
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.01
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.01
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.01	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.03	4.05	1.25	0.01	0.00
1.50	1.15	0.00	0.06	4.10	1.25	0.01	0.00
1.55	1.17	0.00	0.10	4.15	1.25	0.01	0.00
1.60	1.18	0.00	0.17	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.25	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.34	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.43	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.53	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.62	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.70	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.75	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	0.79	4.60	1.25	0.01	0.00
2.05	1.25	0.01	**0.79**	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.77	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.73	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.67	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.61	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.53	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.45	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.38	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.31	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.25	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.20	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

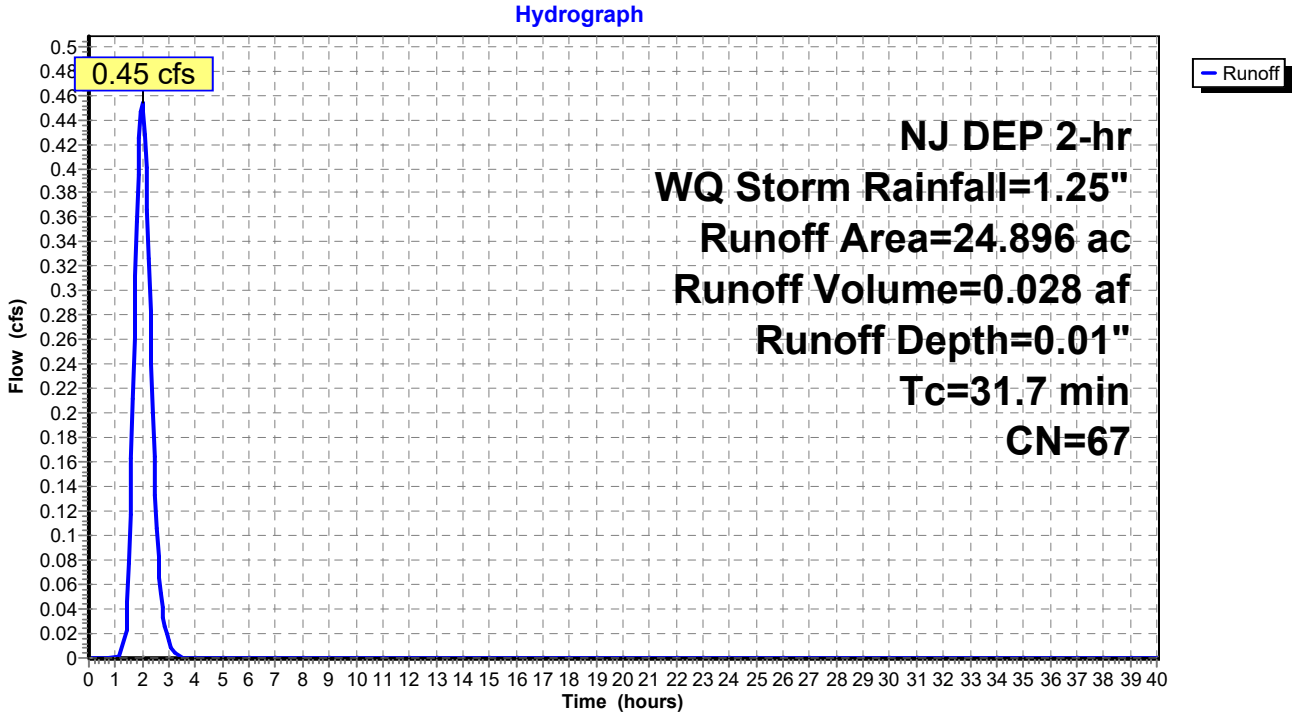
Runoff = 0.45 cfs @ 2.00 hrs, Volume= 0.028 af, Depth= 0.01"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.08
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.07
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.05
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.03
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.02
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.01	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.02	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.05	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.08	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.12	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.16	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.21	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.26	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.31	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.36	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.40	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.43	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.45	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	**0.45**	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.45	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.43	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.40	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.37	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.33	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.28	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.24	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.20	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.16	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.13	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.11	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

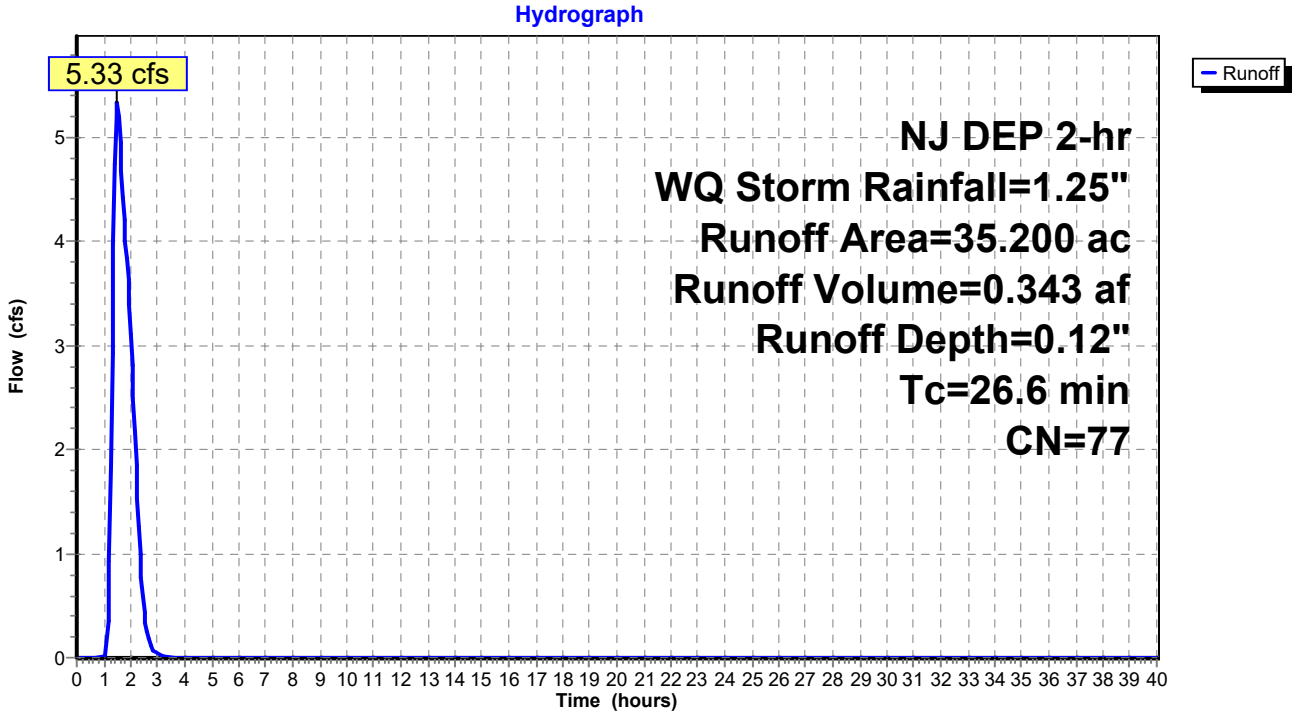
Runoff = 5.33 cfs @ 1.50 hrs, Volume= 0.343 af, Depth= 0.12"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.12	0.25
0.05	0.00	0.00	0.00	2.65	1.25	0.12	0.19
0.10	0.01	0.00	0.00	2.70	1.25	0.12	0.14
0.15	0.01	0.00	0.00	2.75	1.25	0.12	0.11
0.20	0.02	0.00	0.00	2.80	1.25	0.12	0.08
0.25	0.03	0.00	0.00	2.85	1.25	0.12	0.06
0.30	0.04	0.00	0.00	2.90	1.25	0.12	0.04
0.35	0.06	0.00	0.00	2.95	1.25	0.12	0.03
0.40	0.07	0.00	0.00	3.00	1.25	0.12	0.02
0.45	0.09	0.00	0.00	3.05	1.25	0.12	0.02
0.50	0.10	0.00	0.00	3.10	1.25	0.12	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.12	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.12	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.12	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.12	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.12	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.12	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.12	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.12	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.12	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.12	0.00
1.05	0.79	0.01	0.01	3.65	1.25	0.12	0.00
1.10	0.91	0.03	0.08	3.70	1.25	0.12	0.00
1.15	0.97	0.04	0.35	3.75	1.25	0.12	0.00
1.20	1.02	0.05	0.92	3.80	1.25	0.12	0.00
1.25	1.05	0.06	1.83	3.85	1.25	0.12	0.00
1.30	1.07	0.06	2.94	3.90	1.25	0.12	0.00
1.35	1.09	0.07	3.97	3.95	1.25	0.12	0.00
1.40	1.11	0.08	4.75	4.00	1.25	0.12	0.00
1.45	1.13	0.08	5.20	4.05	1.25	0.12	0.00
1.50	1.15	0.09	**5.33**	4.10	1.25	0.12	0.00
1.55	1.17	0.09	5.20	4.15	1.25	0.12	0.00
1.60	1.18	0.10	4.95	4.20	1.25	0.12	0.00
1.65	1.20	0.10	4.68	4.25	1.25	0.12	0.00
1.70	1.21	0.10	4.43	4.30	1.25	0.12	0.00
1.75	1.23	0.11	4.21	4.35	1.25	0.12	0.00
1.80	1.23	0.11	4.01	4.40	1.25	0.12	0.00
1.85	1.24	0.11	3.83	4.45	1.25	0.12	0.00
1.90	1.24	0.11	3.63	4.50	1.25	0.12	0.00
1.95	1.25	0.12	3.40	4.55	1.25	0.12	0.00
2.00	**1.25**	**0.12**	3.12	4.60	1.25	0.12	0.00
2.05	1.25	0.12	2.81	4.65	1.25	0.12	0.00
2.10	1.25	0.12	2.49	4.70	1.25	0.12	0.00
2.15	1.25	0.12	2.16	4.75	1.25	0.12	0.00
2.20	1.25	0.12	1.85	4.80	1.25	0.12	0.00
2.25	1.25	0.12	1.54	4.85	1.25	0.12	0.00
2.30	1.25	0.12	1.25	4.90	1.25	0.12	0.00
2.35	1.25	0.12	1.00	4.95	1.25	0.12	0.00
2.40	1.25	0.12	0.78	5.00	1.25	0.12	0.00
2.45	1.25	0.12	0.59	5.05	1.25	0.12	0.00
2.50	1.25	0.12	0.45	5.10	1.25	0.12	0.00
2.55	1.25	0.12	0.33	5.15	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.12	0.00	7.80	1.25	0.12	0.00
5.25	1.25	0.12	0.00	7.85	1.25	0.12	0.00
5.30	1.25	0.12	0.00	7.90	1.25	0.12	0.00
5.35	1.25	0.12	0.00	7.95	1.25	0.12	0.00
5.40	1.25	0.12	0.00	8.00	1.25	0.12	0.00
5.45	1.25	0.12	0.00	8.05	1.25	0.12	0.00
5.50	1.25	0.12	0.00	8.10	1.25	0.12	0.00
5.55	1.25	0.12	0.00	8.15	1.25	0.12	0.00
5.60	1.25	0.12	0.00	8.20	1.25	0.12	0.00
5.65	1.25	0.12	0.00	8.25	1.25	0.12	0.00
5.70	1.25	0.12	0.00	8.30	1.25	0.12	0.00
5.75	1.25	0.12	0.00	8.35	1.25	0.12	0.00
5.80	1.25	0.12	0.00	8.40	1.25	0.12	0.00
5.85	1.25	0.12	0.00	8.45	1.25	0.12	0.00
5.90	1.25	0.12	0.00	8.50	1.25	0.12	0.00
5.95	1.25	0.12	0.00	8.55	1.25	0.12	0.00
6.00	1.25	0.12	0.00	8.60	1.25	0.12	0.00
6.05	1.25	0.12	0.00	8.65	1.25	0.12	0.00
6.10	1.25	0.12	0.00	8.70	1.25	0.12	0.00
6.15	1.25	0.12	0.00	8.75	1.25	0.12	0.00
6.20	1.25	0.12	0.00	8.80	1.25	0.12	0.00
6.25	1.25	0.12	0.00	8.85	1.25	0.12	0.00
6.30	1.25	0.12	0.00	8.90	1.25	0.12	0.00
6.35	1.25	0.12	0.00	8.95	1.25	0.12	0.00
6.40	1.25	0.12	0.00	9.00	1.25	0.12	0.00
6.45	1.25	0.12	0.00	9.05	1.25	0.12	0.00
6.50	1.25	0.12	0.00	9.10	1.25	0.12	0.00
6.55	1.25	0.12	0.00	9.15	1.25	0.12	0.00
6.60	1.25	0.12	0.00	9.20	1.25	0.12	0.00
6.65	1.25	0.12	0.00	9.25	1.25	0.12	0.00
6.70	1.25	0.12	0.00	9.30	1.25	0.12	0.00
6.75	1.25	0.12	0.00	9.35	1.25	0.12	0.00
6.80	1.25	0.12	0.00	9.40	1.25	0.12	0.00
6.85	1.25	0.12	0.00	9.45	1.25	0.12	0.00
6.90	1.25	0.12	0.00	9.50	1.25	0.12	0.00
6.95	1.25	0.12	0.00	9.55	1.25	0.12	0.00
7.00	1.25	0.12	0.00	9.60	1.25	0.12	0.00
7.05	1.25	0.12	0.00	9.65	1.25	0.12	0.00
7.10	1.25	0.12	0.00	9.70	1.25	0.12	0.00
7.15	1.25	0.12	0.00	9.75	1.25	0.12	0.00
7.20	1.25	0.12	0.00	9.80	1.25	0.12	0.00
7.25	1.25	0.12	0.00	9.85	1.25	0.12	0.00
7.30	1.25	0.12	0.00	9.90	1.25	0.12	0.00
7.35	1.25	0.12	0.00	9.95	1.25	0.12	0.00
7.40	1.25	0.12	0.00	10.00	1.25	0.12	0.00
7.45	1.25	0.12	0.00	10.05	1.25	0.12	0.00
7.50	1.25	0.12	0.00	10.10	1.25	0.12	0.00
7.55	1.25	0.12	0.00	10.15	1.25	0.12	0.00
7.60	1.25	0.12	0.00	10.20	1.25	0.12	0.00
7.65	1.25	0.12	0.00	10.25	1.25	0.12	0.00
7.70	1.25	0.12	0.00	10.30	1.25	0.12	0.00
7.75	1.25	0.12	0.00	10.35	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.12	0.00	13.00	1.25	0.12	0.00
10.45	1.25	0.12	0.00	13.05	1.25	0.12	0.00
10.50	1.25	0.12	0.00	13.10	1.25	0.12	0.00
10.55	1.25	0.12	0.00	13.15	1.25	0.12	0.00
10.60	1.25	0.12	0.00	13.20	1.25	0.12	0.00
10.65	1.25	0.12	0.00	13.25	1.25	0.12	0.00
10.70	1.25	0.12	0.00	13.30	1.25	0.12	0.00
10.75	1.25	0.12	0.00	13.35	1.25	0.12	0.00
10.80	1.25	0.12	0.00	13.40	1.25	0.12	0.00
10.85	1.25	0.12	0.00	13.45	1.25	0.12	0.00
10.90	1.25	0.12	0.00	13.50	1.25	0.12	0.00
10.95	1.25	0.12	0.00	13.55	1.25	0.12	0.00
11.00	1.25	0.12	0.00	13.60	1.25	0.12	0.00
11.05	1.25	0.12	0.00	13.65	1.25	0.12	0.00
11.10	1.25	0.12	0.00	13.70	1.25	0.12	0.00
11.15	1.25	0.12	0.00	13.75	1.25	0.12	0.00
11.20	1.25	0.12	0.00	13.80	1.25	0.12	0.00
11.25	1.25	0.12	0.00	13.85	1.25	0.12	0.00
11.30	1.25	0.12	0.00	13.90	1.25	0.12	0.00
11.35	1.25	0.12	0.00	13.95	1.25	0.12	0.00
11.40	1.25	0.12	0.00	14.00	1.25	0.12	0.00
11.45	1.25	0.12	0.00	14.05	1.25	0.12	0.00
11.50	1.25	0.12	0.00	14.10	1.25	0.12	0.00
11.55	1.25	0.12	0.00	14.15	1.25	0.12	0.00
11.60	1.25	0.12	0.00	14.20	1.25	0.12	0.00
11.65	1.25	0.12	0.00	14.25	1.25	0.12	0.00
11.70	1.25	0.12	0.00	14.30	1.25	0.12	0.00
11.75	1.25	0.12	0.00	14.35	1.25	0.12	0.00
11.80	1.25	0.12	0.00	14.40	1.25	0.12	0.00
11.85	1.25	0.12	0.00	14.45	1.25	0.12	0.00
11.90	1.25	0.12	0.00	14.50	1.25	0.12	0.00
11.95	1.25	0.12	0.00	14.55	1.25	0.12	0.00
12.00	1.25	0.12	0.00	14.60	1.25	0.12	0.00
12.05	1.25	0.12	0.00	14.65	1.25	0.12	0.00
12.10	1.25	0.12	0.00	14.70	1.25	0.12	0.00
12.15	1.25	0.12	0.00	14.75	1.25	0.12	0.00
12.20	1.25	0.12	0.00	14.80	1.25	0.12	0.00
12.25	1.25	0.12	0.00	14.85	1.25	0.12	0.00
12.30	1.25	0.12	0.00	14.90	1.25	0.12	0.00
12.35	1.25	0.12	0.00	14.95	1.25	0.12	0.00
12.40	1.25	0.12	0.00	15.00	1.25	0.12	0.00
12.45	1.25	0.12	0.00	15.05	1.25	0.12	0.00
12.50	1.25	0.12	0.00	15.10	1.25	0.12	0.00
12.55	1.25	0.12	0.00	15.15	1.25	0.12	0.00
12.60	1.25	0.12	0.00	15.20	1.25	0.12	0.00
12.65	1.25	0.12	0.00	15.25	1.25	0.12	0.00
12.70	1.25	0.12	0.00	15.30	1.25	0.12	0.00
12.75	1.25	0.12	0.00	15.35	1.25	0.12	0.00
12.80	1.25	0.12	0.00	15.40	1.25	0.12	0.00
12.85	1.25	0.12	0.00	15.45	1.25	0.12	0.00
12.90	1.25	0.12	0.00	15.50	1.25	0.12	0.00
12.95	1.25	0.12	0.00	15.55	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.12	0.00	18.20	1.25	0.12	0.00
15.65	1.25	0.12	0.00	18.25	1.25	0.12	0.00
15.70	1.25	0.12	0.00	18.30	1.25	0.12	0.00
15.75	1.25	0.12	0.00	18.35	1.25	0.12	0.00
15.80	1.25	0.12	0.00	18.40	1.25	0.12	0.00
15.85	1.25	0.12	0.00	18.45	1.25	0.12	0.00
15.90	1.25	0.12	0.00	18.50	1.25	0.12	0.00
15.95	1.25	0.12	0.00	18.55	1.25	0.12	0.00
16.00	1.25	0.12	0.00	18.60	1.25	0.12	0.00
16.05	1.25	0.12	0.00	18.65	1.25	0.12	0.00
16.10	1.25	0.12	0.00	18.70	1.25	0.12	0.00
16.15	1.25	0.12	0.00	18.75	1.25	0.12	0.00
16.20	1.25	0.12	0.00	18.80	1.25	0.12	0.00
16.25	1.25	0.12	0.00	18.85	1.25	0.12	0.00
16.30	1.25	0.12	0.00	18.90	1.25	0.12	0.00
16.35	1.25	0.12	0.00	18.95	1.25	0.12	0.00
16.40	1.25	0.12	0.00	19.00	1.25	0.12	0.00
16.45	1.25	0.12	0.00	19.05	1.25	0.12	0.00
16.50	1.25	0.12	0.00	19.10	1.25	0.12	0.00
16.55	1.25	0.12	0.00	19.15	1.25	0.12	0.00
16.60	1.25	0.12	0.00	19.20	1.25	0.12	0.00
16.65	1.25	0.12	0.00	19.25	1.25	0.12	0.00
16.70	1.25	0.12	0.00	19.30	1.25	0.12	0.00
16.75	1.25	0.12	0.00	19.35	1.25	0.12	0.00
16.80	1.25	0.12	0.00	19.40	1.25	0.12	0.00
16.85	1.25	0.12	0.00	19.45	1.25	0.12	0.00
16.90	1.25	0.12	0.00	19.50	1.25	0.12	0.00
16.95	1.25	0.12	0.00	19.55	1.25	0.12	0.00
17.00	1.25	0.12	0.00	19.60	1.25	0.12	0.00
17.05	1.25	0.12	0.00	19.65	1.25	0.12	0.00
17.10	1.25	0.12	0.00	19.70	1.25	0.12	0.00
17.15	1.25	0.12	0.00	19.75	1.25	0.12	0.00
17.20	1.25	0.12	0.00	19.80	1.25	0.12	0.00
17.25	1.25	0.12	0.00	19.85	1.25	0.12	0.00
17.30	1.25	0.12	0.00	19.90	1.25	0.12	0.00
17.35	1.25	0.12	0.00	19.95	1.25	0.12	0.00
17.40	1.25	0.12	0.00	20.00	1.25	0.12	0.00
17.45	1.25	0.12	0.00	20.05	1.25	0.12	0.00
17.50	1.25	0.12	0.00	20.10	1.25	0.12	0.00
17.55	1.25	0.12	0.00	20.15	1.25	0.12	0.00
17.60	1.25	0.12	0.00	20.20	1.25	0.12	0.00
17.65	1.25	0.12	0.00	20.25	1.25	0.12	0.00
17.70	1.25	0.12	0.00	20.30	1.25	0.12	0.00
17.75	1.25	0.12	0.00	20.35	1.25	0.12	0.00
17.80	1.25	0.12	0.00	20.40	1.25	0.12	0.00
17.85	1.25	0.12	0.00	20.45	1.25	0.12	0.00
17.90	1.25	0.12	0.00	20.50	1.25	0.12	0.00
17.95	1.25	0.12	0.00	20.55	1.25	0.12	0.00
18.00	1.25	0.12	0.00	20.60	1.25	0.12	0.00
18.05	1.25	0.12	0.00	20.65	1.25	0.12	0.00
18.10	1.25	0.12	0.00	20.70	1.25	0.12	0.00
18.15	1.25	0.12	0.00	20.75	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.12	0.00	23.40	1.25	0.12	0.00
20.85	1.25	0.12	0.00	23.45	1.25	0.12	0.00
20.90	1.25	0.12	0.00	23.50	1.25	0.12	0.00
20.95	1.25	0.12	0.00	23.55	1.25	0.12	0.00
21.00	1.25	0.12	0.00	23.60	1.25	0.12	0.00
21.05	1.25	0.12	0.00	23.65	1.25	0.12	0.00
21.10	1.25	0.12	0.00	23.70	1.25	0.12	0.00
21.15	1.25	0.12	0.00	23.75	1.25	0.12	0.00
21.20	1.25	0.12	0.00	23.80	1.25	0.12	0.00
21.25	1.25	0.12	0.00	23.85	1.25	0.12	0.00
21.30	1.25	0.12	0.00	23.90	1.25	0.12	0.00
21.35	1.25	0.12	0.00	23.95	1.25	0.12	0.00
21.40	1.25	0.12	0.00	24.00	1.25	0.12	0.00
21.45	1.25	0.12	0.00	24.05	1.25	0.12	0.00
21.50	1.25	0.12	0.00	24.10	1.25	0.12	0.00
21.55	1.25	0.12	0.00	24.15	1.25	0.12	0.00
21.60	1.25	0.12	0.00	24.20	1.25	0.12	0.00
21.65	1.25	0.12	0.00	24.25	1.25	0.12	0.00
21.70	1.25	0.12	0.00	24.30	1.25	0.12	0.00
21.75	1.25	0.12	0.00	24.35	1.25	0.12	0.00
21.80	1.25	0.12	0.00	24.40	1.25	0.12	0.00
21.85	1.25	0.12	0.00	24.45	1.25	0.12	0.00
21.90	1.25	0.12	0.00	24.50	1.25	0.12	0.00
21.95	1.25	0.12	0.00	24.55	1.25	0.12	0.00
22.00	1.25	0.12	0.00	24.60	1.25	0.12	0.00
22.05	1.25	0.12	0.00	24.65	1.25	0.12	0.00
22.10	1.25	0.12	0.00	24.70	1.25	0.12	0.00
22.15	1.25	0.12	0.00	24.75	1.25	0.12	0.00
22.20	1.25	0.12	0.00	24.80	1.25	0.12	0.00
22.25	1.25	0.12	0.00	24.85	1.25	0.12	0.00
22.30	1.25	0.12	0.00	24.90	1.25	0.12	0.00
22.35	1.25	0.12	0.00	24.95	1.25	0.12	0.00
22.40	1.25	0.12	0.00	25.00	1.25	0.12	0.00
22.45	1.25	0.12	0.00	25.05	1.25	0.12	0.00
22.50	1.25	0.12	0.00	25.10	1.25	0.12	0.00
22.55	1.25	0.12	0.00	25.15	1.25	0.12	0.00
22.60	1.25	0.12	0.00	25.20	1.25	0.12	0.00
22.65	1.25	0.12	0.00	25.25	1.25	0.12	0.00
22.70	1.25	0.12	0.00	25.30	1.25	0.12	0.00
22.75	1.25	0.12	0.00	25.35	1.25	0.12	0.00
22.80	1.25	0.12	0.00	25.40	1.25	0.12	0.00
22.85	1.25	0.12	0.00	25.45	1.25	0.12	0.00
22.90	1.25	0.12	0.00	25.50	1.25	0.12	0.00
22.95	1.25	0.12	0.00	25.55	1.25	0.12	0.00
23.00	1.25	0.12	0.00	25.60	1.25	0.12	0.00
23.05	1.25	0.12	0.00	25.65	1.25	0.12	0.00
23.10	1.25	0.12	0.00	25.70	1.25	0.12	0.00
23.15	1.25	0.12	0.00	25.75	1.25	0.12	0.00
23.20	1.25	0.12	0.00	25.80	1.25	0.12	0.00
23.25	1.25	0.12	0.00	25.85	1.25	0.12	0.00
23.30	1.25	0.12	0.00	25.90	1.25	0.12	0.00
23.35	1.25	0.12	0.00	25.95	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.12	0.00	28.60	1.25	0.12	0.00
26.05	1.25	0.12	0.00	28.65	1.25	0.12	0.00
26.10	1.25	0.12	0.00	28.70	1.25	0.12	0.00
26.15	1.25	0.12	0.00	28.75	1.25	0.12	0.00
26.20	1.25	0.12	0.00	28.80	1.25	0.12	0.00
26.25	1.25	0.12	0.00	28.85	1.25	0.12	0.00
26.30	1.25	0.12	0.00	28.90	1.25	0.12	0.00
26.35	1.25	0.12	0.00	28.95	1.25	0.12	0.00
26.40	1.25	0.12	0.00	29.00	1.25	0.12	0.00
26.45	1.25	0.12	0.00	29.05	1.25	0.12	0.00
26.50	1.25	0.12	0.00	29.10	1.25	0.12	0.00
26.55	1.25	0.12	0.00	29.15	1.25	0.12	0.00
26.60	1.25	0.12	0.00	29.20	1.25	0.12	0.00
26.65	1.25	0.12	0.00	29.25	1.25	0.12	0.00
26.70	1.25	0.12	0.00	29.30	1.25	0.12	0.00
26.75	1.25	0.12	0.00	29.35	1.25	0.12	0.00
26.80	1.25	0.12	0.00	29.40	1.25	0.12	0.00
26.85	1.25	0.12	0.00	29.45	1.25	0.12	0.00
26.90	1.25	0.12	0.00	29.50	1.25	0.12	0.00
26.95	1.25	0.12	0.00	29.55	1.25	0.12	0.00
27.00	1.25	0.12	0.00	29.60	1.25	0.12	0.00
27.05	1.25	0.12	0.00	29.65	1.25	0.12	0.00
27.10	1.25	0.12	0.00	29.70	1.25	0.12	0.00
27.15	1.25	0.12	0.00	29.75	1.25	0.12	0.00
27.20	1.25	0.12	0.00	29.80	1.25	0.12	0.00
27.25	1.25	0.12	0.00	29.85	1.25	0.12	0.00
27.30	1.25	0.12	0.00	29.90	1.25	0.12	0.00
27.35	1.25	0.12	0.00	29.95	1.25	0.12	0.00
27.40	1.25	0.12	0.00	30.00	1.25	0.12	0.00
27.45	1.25	0.12	0.00	30.05	1.25	0.12	0.00
27.50	1.25	0.12	0.00	30.10	1.25	0.12	0.00
27.55	1.25	0.12	0.00	30.15	1.25	0.12	0.00
27.60	1.25	0.12	0.00	30.20	1.25	0.12	0.00
27.65	1.25	0.12	0.00	30.25	1.25	0.12	0.00
27.70	1.25	0.12	0.00	30.30	1.25	0.12	0.00
27.75	1.25	0.12	0.00	30.35	1.25	0.12	0.00
27.80	1.25	0.12	0.00	30.40	1.25	0.12	0.00
27.85	1.25	0.12	0.00	30.45	1.25	0.12	0.00
27.90	1.25	0.12	0.00	30.50	1.25	0.12	0.00
27.95	1.25	0.12	0.00	30.55	1.25	0.12	0.00
28.00	1.25	0.12	0.00	30.60	1.25	0.12	0.00
28.05	1.25	0.12	0.00	30.65	1.25	0.12	0.00
28.10	1.25	0.12	0.00	30.70	1.25	0.12	0.00
28.15	1.25	0.12	0.00	30.75	1.25	0.12	0.00
28.20	1.25	0.12	0.00	30.80	1.25	0.12	0.00
28.25	1.25	0.12	0.00	30.85	1.25	0.12	0.00
28.30	1.25	0.12	0.00	30.90	1.25	0.12	0.00
28.35	1.25	0.12	0.00	30.95	1.25	0.12	0.00
28.40	1.25	0.12	0.00	31.00	1.25	0.12	0.00
28.45	1.25	0.12	0.00	31.05	1.25	0.12	0.00
28.50	1.25	0.12	0.00	31.10	1.25	0.12	0.00
28.55	1.25	0.12	0.00	31.15	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.12	0.00	33.80	1.25	0.12	0.00
31.25	1.25	0.12	0.00	33.85	1.25	0.12	0.00
31.30	1.25	0.12	0.00	33.90	1.25	0.12	0.00
31.35	1.25	0.12	0.00	33.95	1.25	0.12	0.00
31.40	1.25	0.12	0.00	34.00	1.25	0.12	0.00
31.45	1.25	0.12	0.00	34.05	1.25	0.12	0.00
31.50	1.25	0.12	0.00	34.10	1.25	0.12	0.00
31.55	1.25	0.12	0.00	34.15	1.25	0.12	0.00
31.60	1.25	0.12	0.00	34.20	1.25	0.12	0.00
31.65	1.25	0.12	0.00	34.25	1.25	0.12	0.00
31.70	1.25	0.12	0.00	34.30	1.25	0.12	0.00
31.75	1.25	0.12	0.00	34.35	1.25	0.12	0.00
31.80	1.25	0.12	0.00	34.40	1.25	0.12	0.00
31.85	1.25	0.12	0.00	34.45	1.25	0.12	0.00
31.90	1.25	0.12	0.00	34.50	1.25	0.12	0.00
31.95	1.25	0.12	0.00	34.55	1.25	0.12	0.00
32.00	1.25	0.12	0.00	34.60	1.25	0.12	0.00
32.05	1.25	0.12	0.00	34.65	1.25	0.12	0.00
32.10	1.25	0.12	0.00	34.70	1.25	0.12	0.00
32.15	1.25	0.12	0.00	34.75	1.25	0.12	0.00
32.20	1.25	0.12	0.00	34.80	1.25	0.12	0.00
32.25	1.25	0.12	0.00	34.85	1.25	0.12	0.00
32.30	1.25	0.12	0.00	34.90	1.25	0.12	0.00
32.35	1.25	0.12	0.00	34.95	1.25	0.12	0.00
32.40	1.25	0.12	0.00	35.00	1.25	0.12	0.00
32.45	1.25	0.12	0.00	35.05	1.25	0.12	0.00
32.50	1.25	0.12	0.00	35.10	1.25	0.12	0.00
32.55	1.25	0.12	0.00	35.15	1.25	0.12	0.00
32.60	1.25	0.12	0.00	35.20	1.25	0.12	0.00
32.65	1.25	0.12	0.00	35.25	1.25	0.12	0.00
32.70	1.25	0.12	0.00	35.30	1.25	0.12	0.00
32.75	1.25	0.12	0.00	35.35	1.25	0.12	0.00
32.80	1.25	0.12	0.00	35.40	1.25	0.12	0.00
32.85	1.25	0.12	0.00	35.45	1.25	0.12	0.00
32.90	1.25	0.12	0.00	35.50	1.25	0.12	0.00
32.95	1.25	0.12	0.00	35.55	1.25	0.12	0.00
33.00	1.25	0.12	0.00	35.60	1.25	0.12	0.00
33.05	1.25	0.12	0.00	35.65	1.25	0.12	0.00
33.10	1.25	0.12	0.00	35.70	1.25	0.12	0.00
33.15	1.25	0.12	0.00	35.75	1.25	0.12	0.00
33.20	1.25	0.12	0.00	35.80	1.25	0.12	0.00
33.25	1.25	0.12	0.00	35.85	1.25	0.12	0.00
33.30	1.25	0.12	0.00	35.90	1.25	0.12	0.00
33.35	1.25	0.12	0.00	35.95	1.25	0.12	0.00
33.40	1.25	0.12	0.00	36.00	1.25	0.12	0.00
33.45	1.25	0.12	0.00	36.05	1.25	0.12	0.00
33.50	1.25	0.12	0.00	36.10	1.25	0.12	0.00
33.55	1.25	0.12	0.00	36.15	1.25	0.12	0.00
33.60	1.25	0.12	0.00	36.20	1.25	0.12	0.00
33.65	1.25	0.12	0.00	36.25	1.25	0.12	0.00
33.70	1.25	0.12	0.00	36.30	1.25	0.12	0.00
33.75	1.25	0.12	0.00	36.35	1.25	0.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.12	0.00
36.45	1.25	0.12	0.00
36.50	1.25	0.12	0.00
36.55	1.25	0.12	0.00
36.60	1.25	0.12	0.00
36.65	1.25	0.12	0.00
36.70	1.25	0.12	0.00
36.75	1.25	0.12	0.00
36.80	1.25	0.12	0.00
36.85	1.25	0.12	0.00
36.90	1.25	0.12	0.00
36.95	1.25	0.12	0.00
37.00	1.25	0.12	0.00
37.05	1.25	0.12	0.00
37.10	1.25	0.12	0.00
37.15	1.25	0.12	0.00
37.20	1.25	0.12	0.00
37.25	1.25	0.12	0.00
37.30	1.25	0.12	0.00
37.35	1.25	0.12	0.00
37.40	1.25	0.12	0.00
37.45	1.25	0.12	0.00
37.50	1.25	0.12	0.00
37.55	1.25	0.12	0.00
37.60	1.25	0.12	0.00
37.65	1.25	0.12	0.00
37.70	1.25	0.12	0.00
37.75	1.25	0.12	0.00
37.80	1.25	0.12	0.00
37.85	1.25	0.12	0.00
37.90	1.25	0.12	0.00
37.95	1.25	0.12	0.00
38.00	1.25	0.12	0.00
38.05	1.25	0.12	0.00
38.10	1.25	0.12	0.00
38.15	1.25	0.12	0.00
38.20	1.25	0.12	0.00
38.25	1.25	0.12	0.00
38.30	1.25	0.12	0.00
38.35	1.25	0.12	0.00
38.40	1.25	0.12	0.00
38.45	1.25	0.12	0.00
38.50	1.25	0.12	0.00
38.55	1.25	0.12	0.00
38.60	1.25	0.12	0.00
38.65	1.25	0.12	0.00
38.70	1.25	0.12	0.00
38.75	1.25	0.12	0.00
38.80	1.25	0.12	0.00
38.85	1.25	0.12	0.00
38.90	1.25	0.12	0.00
38.95	1.25	0.12	0.00
39.00	1.25	0.12	0.00
39.05	1.25	0.12	0.00
39.10	1.25	0.12	0.00
39.15	1.25	0.12	0.00
39.20	1.25	0.12	0.00
39.25	1.25	0.12	0.00
39.30	1.25	0.12	0.00
39.35	1.25	0.12	0.00
39.40	1.25	0.12	0.00
39.45	1.25	0.12	0.00
39.50	1.25	0.12	0.00
39.55	1.25	0.12	0.00
39.60	1.25	0.12	0.00
39.65	1.25	0.12	0.00
39.70	1.25	0.12	0.00
39.75	1.25	0.12	0.00
39.80	1.25	0.12	0.00
39.85	1.25	0.12	0.00
39.90	1.25	0.12	0.00
39.95	1.25	0.12	0.00
40.00	1.25	0.12	0.00

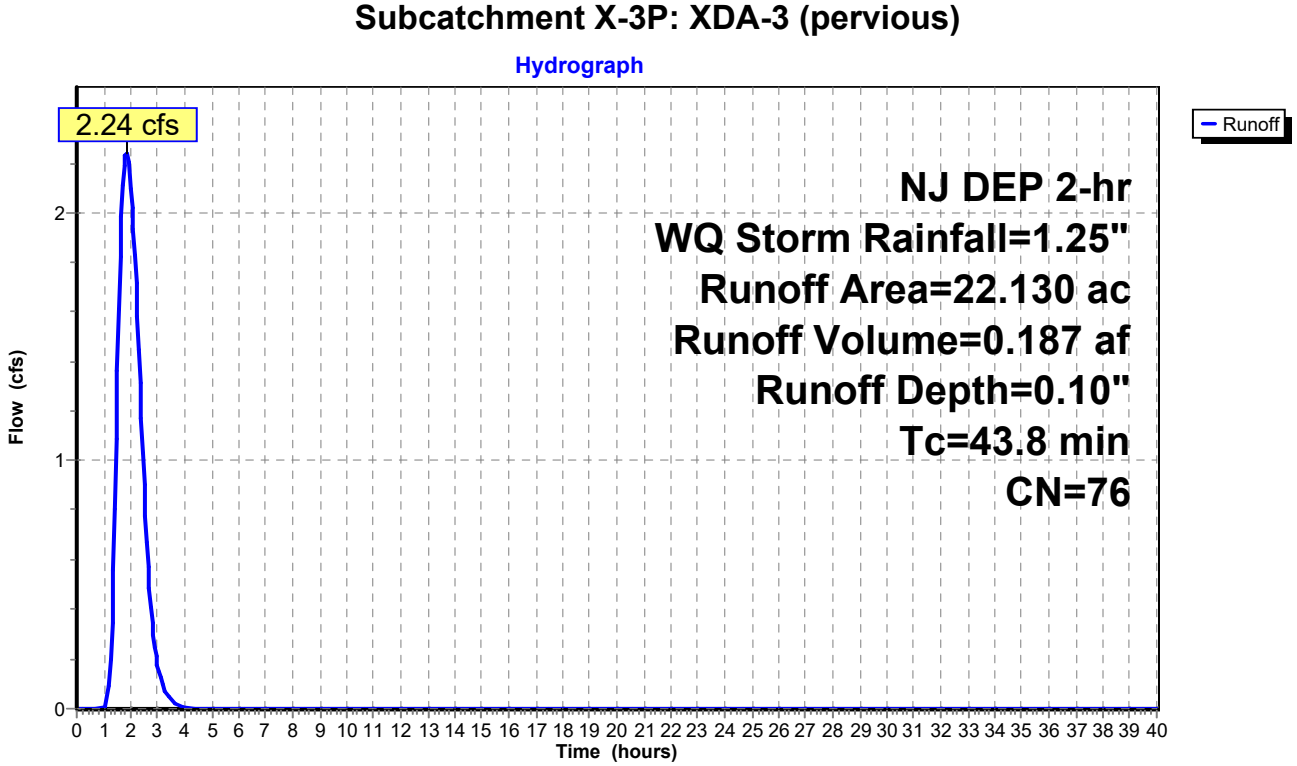
Summary for Subcatchment X-3P: XDA-3 (pervious)

Runoff = 2.24 cfs @ 1.83 hrs, Volume= 0.187 af, Depth= 0.10"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.10	0.67
0.05	0.00	0.00	0.00	2.65	1.25	0.10	0.57
0.10	0.01	0.00	0.00	2.70	1.25	0.10	0.49
0.15	0.01	0.00	0.00	2.75	1.25	0.10	0.41
0.20	0.02	0.00	0.00	2.80	1.25	0.10	0.35
0.25	0.03	0.00	0.00	2.85	1.25	0.10	0.29
0.30	0.04	0.00	0.00	2.90	1.25	0.10	0.25
0.35	0.06	0.00	0.00	2.95	1.25	0.10	0.21
0.40	0.07	0.00	0.00	3.00	1.25	0.10	0.18
0.45	0.09	0.00	0.00	3.05	1.25	0.10	0.15
0.50	0.10	0.00	0.00	3.10	1.25	0.10	0.13
0.55	0.12	0.00	0.00	3.15	1.25	0.10	0.11
0.60	0.14	0.00	0.00	3.20	1.25	0.10	0.09
0.65	0.16	0.00	0.00	3.25	1.25	0.10	0.08
0.70	0.18	0.00	0.00	3.30	1.25	0.10	0.07
0.75	0.20	0.00	0.00	3.35	1.25	0.10	0.06
0.80	0.23	0.00	0.00	3.40	1.25	0.10	0.05
0.85	0.28	0.00	0.00	3.45	1.25	0.10	0.04
0.90	0.34	0.00	0.00	3.50	1.25	0.10	0.03
0.95	0.46	0.00	0.00	3.55	1.25	0.10	0.03
1.00	0.63	0.00	0.00	3.60	1.25	0.10	0.02
1.05	0.79	0.01	0.00	3.65	1.25	0.10	0.02
1.10	0.91	0.02	0.01	3.70	1.25	0.10	0.01
1.15	0.97	0.03	0.04	3.75	1.25	0.10	0.01
1.20	1.02	0.04	0.09	3.80	1.25	0.10	0.01
1.25	1.05	0.05	0.20	3.85	1.25	0.10	0.01
1.30	1.07	0.05	0.35	3.90	1.25	0.10	0.01
1.35	1.09	0.06	0.56	3.95	1.25	0.10	0.00
1.40	1.11	0.06	0.81	4.00	1.25	0.10	0.00
1.45	1.13	0.07	1.09	4.05	1.25	0.10	0.00
1.50	1.15	0.07	1.36	4.10	1.25	0.10	0.00
1.55	1.17	0.08	1.61	4.15	1.25	0.10	0.00
1.60	1.18	0.08	1.82	4.20	1.25	0.10	0.00
1.65	1.20	0.09	1.98	4.25	1.25	0.10	0.00
1.70	1.21	0.09	2.11	4.30	1.25	0.10	0.00
1.75	1.23	0.09	2.19	4.35	1.25	0.10	0.00
1.80	1.23	0.10	2.23	4.40	1.25	0.10	0.00
1.85	1.24	0.10	**2.23**	4.45	1.25	0.10	0.00
1.90	1.24	0.10	2.21	4.50	1.25	0.10	0.00
1.95	1.25	0.10	2.16	4.55	1.25	0.10	0.00
2.00	**1.25**	**0.10**	2.09	4.60	1.25	0.10	0.00
2.05	1.25	0.10	2.02	4.65	1.25	0.10	0.00
2.10	1.25	0.10	1.93	4.70	1.25	0.10	0.00
2.15	1.25	0.10	1.83	4.75	1.25	0.10	0.00
2.20	1.25	0.10	1.71	4.80	1.25	0.10	0.00
2.25	1.25	0.10	1.58	4.85	1.25	0.10	0.00
2.30	1.25	0.10	1.45	4.90	1.25	0.10	0.00
2.35	1.25	0.10	1.31	4.95	1.25	0.10	0.00
2.40	1.25	0.10	1.17	5.00	1.25	0.10	0.00
2.45	1.25	0.10	1.03	5.05	1.25	0.10	0.00
2.50	1.25	0.10	0.90	5.10	1.25	0.10	0.00
2.55	1.25	0.10	0.78	5.15	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.10	0.00	7.80	1.25	0.10	0.00
5.25	1.25	0.10	0.00	7.85	1.25	0.10	0.00
5.30	1.25	0.10	0.00	7.90	1.25	0.10	0.00
5.35	1.25	0.10	0.00	7.95	1.25	0.10	0.00
5.40	1.25	0.10	0.00	8.00	1.25	0.10	0.00
5.45	1.25	0.10	0.00	8.05	1.25	0.10	0.00
5.50	1.25	0.10	0.00	8.10	1.25	0.10	0.00
5.55	1.25	0.10	0.00	8.15	1.25	0.10	0.00
5.60	1.25	0.10	0.00	8.20	1.25	0.10	0.00
5.65	1.25	0.10	0.00	8.25	1.25	0.10	0.00
5.70	1.25	0.10	0.00	8.30	1.25	0.10	0.00
5.75	1.25	0.10	0.00	8.35	1.25	0.10	0.00
5.80	1.25	0.10	0.00	8.40	1.25	0.10	0.00
5.85	1.25	0.10	0.00	8.45	1.25	0.10	0.00
5.90	1.25	0.10	0.00	8.50	1.25	0.10	0.00
5.95	1.25	0.10	0.00	8.55	1.25	0.10	0.00
6.00	1.25	0.10	0.00	8.60	1.25	0.10	0.00
6.05	1.25	0.10	0.00	8.65	1.25	0.10	0.00
6.10	1.25	0.10	0.00	8.70	1.25	0.10	0.00
6.15	1.25	0.10	0.00	8.75	1.25	0.10	0.00
6.20	1.25	0.10	0.00	8.80	1.25	0.10	0.00
6.25	1.25	0.10	0.00	8.85	1.25	0.10	0.00
6.30	1.25	0.10	0.00	8.90	1.25	0.10	0.00
6.35	1.25	0.10	0.00	8.95	1.25	0.10	0.00
6.40	1.25	0.10	0.00	9.00	1.25	0.10	0.00
6.45	1.25	0.10	0.00	9.05	1.25	0.10	0.00
6.50	1.25	0.10	0.00	9.10	1.25	0.10	0.00
6.55	1.25	0.10	0.00	9.15	1.25	0.10	0.00
6.60	1.25	0.10	0.00	9.20	1.25	0.10	0.00
6.65	1.25	0.10	0.00	9.25	1.25	0.10	0.00
6.70	1.25	0.10	0.00	9.30	1.25	0.10	0.00
6.75	1.25	0.10	0.00	9.35	1.25	0.10	0.00
6.80	1.25	0.10	0.00	9.40	1.25	0.10	0.00
6.85	1.25	0.10	0.00	9.45	1.25	0.10	0.00
6.90	1.25	0.10	0.00	9.50	1.25	0.10	0.00
6.95	1.25	0.10	0.00	9.55	1.25	0.10	0.00
7.00	1.25	0.10	0.00	9.60	1.25	0.10	0.00
7.05	1.25	0.10	0.00	9.65	1.25	0.10	0.00
7.10	1.25	0.10	0.00	9.70	1.25	0.10	0.00
7.15	1.25	0.10	0.00	9.75	1.25	0.10	0.00
7.20	1.25	0.10	0.00	9.80	1.25	0.10	0.00
7.25	1.25	0.10	0.00	9.85	1.25	0.10	0.00
7.30	1.25	0.10	0.00	9.90	1.25	0.10	0.00
7.35	1.25	0.10	0.00	9.95	1.25	0.10	0.00
7.40	1.25	0.10	0.00	10.00	1.25	0.10	0.00
7.45	1.25	0.10	0.00	10.05	1.25	0.10	0.00
7.50	1.25	0.10	0.00	10.10	1.25	0.10	0.00
7.55	1.25	0.10	0.00	10.15	1.25	0.10	0.00
7.60	1.25	0.10	0.00	10.20	1.25	0.10	0.00
7.65	1.25	0.10	0.00	10.25	1.25	0.10	0.00
7.70	1.25	0.10	0.00	10.30	1.25	0.10	0.00
7.75	1.25	0.10	0.00	10.35	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.10	0.00	13.00	1.25	0.10	0.00
10.45	1.25	0.10	0.00	13.05	1.25	0.10	0.00
10.50	1.25	0.10	0.00	13.10	1.25	0.10	0.00
10.55	1.25	0.10	0.00	13.15	1.25	0.10	0.00
10.60	1.25	0.10	0.00	13.20	1.25	0.10	0.00
10.65	1.25	0.10	0.00	13.25	1.25	0.10	0.00
10.70	1.25	0.10	0.00	13.30	1.25	0.10	0.00
10.75	1.25	0.10	0.00	13.35	1.25	0.10	0.00
10.80	1.25	0.10	0.00	13.40	1.25	0.10	0.00
10.85	1.25	0.10	0.00	13.45	1.25	0.10	0.00
10.90	1.25	0.10	0.00	13.50	1.25	0.10	0.00
10.95	1.25	0.10	0.00	13.55	1.25	0.10	0.00
11.00	1.25	0.10	0.00	13.60	1.25	0.10	0.00
11.05	1.25	0.10	0.00	13.65	1.25	0.10	0.00
11.10	1.25	0.10	0.00	13.70	1.25	0.10	0.00
11.15	1.25	0.10	0.00	13.75	1.25	0.10	0.00
11.20	1.25	0.10	0.00	13.80	1.25	0.10	0.00
11.25	1.25	0.10	0.00	13.85	1.25	0.10	0.00
11.30	1.25	0.10	0.00	13.90	1.25	0.10	0.00
11.35	1.25	0.10	0.00	13.95	1.25	0.10	0.00
11.40	1.25	0.10	0.00	14.00	1.25	0.10	0.00
11.45	1.25	0.10	0.00	14.05	1.25	0.10	0.00
11.50	1.25	0.10	0.00	14.10	1.25	0.10	0.00
11.55	1.25	0.10	0.00	14.15	1.25	0.10	0.00
11.60	1.25	0.10	0.00	14.20	1.25	0.10	0.00
11.65	1.25	0.10	0.00	14.25	1.25	0.10	0.00
11.70	1.25	0.10	0.00	14.30	1.25	0.10	0.00
11.75	1.25	0.10	0.00	14.35	1.25	0.10	0.00
11.80	1.25	0.10	0.00	14.40	1.25	0.10	0.00
11.85	1.25	0.10	0.00	14.45	1.25	0.10	0.00
11.90	1.25	0.10	0.00	14.50	1.25	0.10	0.00
11.95	1.25	0.10	0.00	14.55	1.25	0.10	0.00
12.00	1.25	0.10	0.00	14.60	1.25	0.10	0.00
12.05	1.25	0.10	0.00	14.65	1.25	0.10	0.00
12.10	1.25	0.10	0.00	14.70	1.25	0.10	0.00
12.15	1.25	0.10	0.00	14.75	1.25	0.10	0.00
12.20	1.25	0.10	0.00	14.80	1.25	0.10	0.00
12.25	1.25	0.10	0.00	14.85	1.25	0.10	0.00
12.30	1.25	0.10	0.00	14.90	1.25	0.10	0.00
12.35	1.25	0.10	0.00	14.95	1.25	0.10	0.00
12.40	1.25	0.10	0.00	15.00	1.25	0.10	0.00
12.45	1.25	0.10	0.00	15.05	1.25	0.10	0.00
12.50	1.25	0.10	0.00	15.10	1.25	0.10	0.00
12.55	1.25	0.10	0.00	15.15	1.25	0.10	0.00
12.60	1.25	0.10	0.00	15.20	1.25	0.10	0.00
12.65	1.25	0.10	0.00	15.25	1.25	0.10	0.00
12.70	1.25	0.10	0.00	15.30	1.25	0.10	0.00
12.75	1.25	0.10	0.00	15.35	1.25	0.10	0.00
12.80	1.25	0.10	0.00	15.40	1.25	0.10	0.00
12.85	1.25	0.10	0.00	15.45	1.25	0.10	0.00
12.90	1.25	0.10	0.00	15.50	1.25	0.10	0.00
12.95	1.25	0.10	0.00	15.55	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.10	0.00	18.20	1.25	0.10	0.00
15.65	1.25	0.10	0.00	18.25	1.25	0.10	0.00
15.70	1.25	0.10	0.00	18.30	1.25	0.10	0.00
15.75	1.25	0.10	0.00	18.35	1.25	0.10	0.00
15.80	1.25	0.10	0.00	18.40	1.25	0.10	0.00
15.85	1.25	0.10	0.00	18.45	1.25	0.10	0.00
15.90	1.25	0.10	0.00	18.50	1.25	0.10	0.00
15.95	1.25	0.10	0.00	18.55	1.25	0.10	0.00
16.00	1.25	0.10	0.00	18.60	1.25	0.10	0.00
16.05	1.25	0.10	0.00	18.65	1.25	0.10	0.00
16.10	1.25	0.10	0.00	18.70	1.25	0.10	0.00
16.15	1.25	0.10	0.00	18.75	1.25	0.10	0.00
16.20	1.25	0.10	0.00	18.80	1.25	0.10	0.00
16.25	1.25	0.10	0.00	18.85	1.25	0.10	0.00
16.30	1.25	0.10	0.00	18.90	1.25	0.10	0.00
16.35	1.25	0.10	0.00	18.95	1.25	0.10	0.00
16.40	1.25	0.10	0.00	19.00	1.25	0.10	0.00
16.45	1.25	0.10	0.00	19.05	1.25	0.10	0.00
16.50	1.25	0.10	0.00	19.10	1.25	0.10	0.00
16.55	1.25	0.10	0.00	19.15	1.25	0.10	0.00
16.60	1.25	0.10	0.00	19.20	1.25	0.10	0.00
16.65	1.25	0.10	0.00	19.25	1.25	0.10	0.00
16.70	1.25	0.10	0.00	19.30	1.25	0.10	0.00
16.75	1.25	0.10	0.00	19.35	1.25	0.10	0.00
16.80	1.25	0.10	0.00	19.40	1.25	0.10	0.00
16.85	1.25	0.10	0.00	19.45	1.25	0.10	0.00
16.90	1.25	0.10	0.00	19.50	1.25	0.10	0.00
16.95	1.25	0.10	0.00	19.55	1.25	0.10	0.00
17.00	1.25	0.10	0.00	19.60	1.25	0.10	0.00
17.05	1.25	0.10	0.00	19.65	1.25	0.10	0.00
17.10	1.25	0.10	0.00	19.70	1.25	0.10	0.00
17.15	1.25	0.10	0.00	19.75	1.25	0.10	0.00
17.20	1.25	0.10	0.00	19.80	1.25	0.10	0.00
17.25	1.25	0.10	0.00	19.85	1.25	0.10	0.00
17.30	1.25	0.10	0.00	19.90	1.25	0.10	0.00
17.35	1.25	0.10	0.00	19.95	1.25	0.10	0.00
17.40	1.25	0.10	0.00	20.00	1.25	0.10	0.00
17.45	1.25	0.10	0.00	20.05	1.25	0.10	0.00
17.50	1.25	0.10	0.00	20.10	1.25	0.10	0.00
17.55	1.25	0.10	0.00	20.15	1.25	0.10	0.00
17.60	1.25	0.10	0.00	20.20	1.25	0.10	0.00
17.65	1.25	0.10	0.00	20.25	1.25	0.10	0.00
17.70	1.25	0.10	0.00	20.30	1.25	0.10	0.00
17.75	1.25	0.10	0.00	20.35	1.25	0.10	0.00
17.80	1.25	0.10	0.00	20.40	1.25	0.10	0.00
17.85	1.25	0.10	0.00	20.45	1.25	0.10	0.00
17.90	1.25	0.10	0.00	20.50	1.25	0.10	0.00
17.95	1.25	0.10	0.00	20.55	1.25	0.10	0.00
18.00	1.25	0.10	0.00	20.60	1.25	0.10	0.00
18.05	1.25	0.10	0.00	20.65	1.25	0.10	0.00
18.10	1.25	0.10	0.00	20.70	1.25	0.10	0.00
18.15	1.25	0.10	0.00	20.75	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.10	0.00	23.40	1.25	0.10	0.00
20.85	1.25	0.10	0.00	23.45	1.25	0.10	0.00
20.90	1.25	0.10	0.00	23.50	1.25	0.10	0.00
20.95	1.25	0.10	0.00	23.55	1.25	0.10	0.00
21.00	1.25	0.10	0.00	23.60	1.25	0.10	0.00
21.05	1.25	0.10	0.00	23.65	1.25	0.10	0.00
21.10	1.25	0.10	0.00	23.70	1.25	0.10	0.00
21.15	1.25	0.10	0.00	23.75	1.25	0.10	0.00
21.20	1.25	0.10	0.00	23.80	1.25	0.10	0.00
21.25	1.25	0.10	0.00	23.85	1.25	0.10	0.00
21.30	1.25	0.10	0.00	23.90	1.25	0.10	0.00
21.35	1.25	0.10	0.00	23.95	1.25	0.10	0.00
21.40	1.25	0.10	0.00	24.00	1.25	0.10	0.00
21.45	1.25	0.10	0.00	24.05	1.25	0.10	0.00
21.50	1.25	0.10	0.00	24.10	1.25	0.10	0.00
21.55	1.25	0.10	0.00	24.15	1.25	0.10	0.00
21.60	1.25	0.10	0.00	24.20	1.25	0.10	0.00
21.65	1.25	0.10	0.00	24.25	1.25	0.10	0.00
21.70	1.25	0.10	0.00	24.30	1.25	0.10	0.00
21.75	1.25	0.10	0.00	24.35	1.25	0.10	0.00
21.80	1.25	0.10	0.00	24.40	1.25	0.10	0.00
21.85	1.25	0.10	0.00	24.45	1.25	0.10	0.00
21.90	1.25	0.10	0.00	24.50	1.25	0.10	0.00
21.95	1.25	0.10	0.00	24.55	1.25	0.10	0.00
22.00	1.25	0.10	0.00	24.60	1.25	0.10	0.00
22.05	1.25	0.10	0.00	24.65	1.25	0.10	0.00
22.10	1.25	0.10	0.00	24.70	1.25	0.10	0.00
22.15	1.25	0.10	0.00	24.75	1.25	0.10	0.00
22.20	1.25	0.10	0.00	24.80	1.25	0.10	0.00
22.25	1.25	0.10	0.00	24.85	1.25	0.10	0.00
22.30	1.25	0.10	0.00	24.90	1.25	0.10	0.00
22.35	1.25	0.10	0.00	24.95	1.25	0.10	0.00
22.40	1.25	0.10	0.00	25.00	1.25	0.10	0.00
22.45	1.25	0.10	0.00	25.05	1.25	0.10	0.00
22.50	1.25	0.10	0.00	25.10	1.25	0.10	0.00
22.55	1.25	0.10	0.00	25.15	1.25	0.10	0.00
22.60	1.25	0.10	0.00	25.20	1.25	0.10	0.00
22.65	1.25	0.10	0.00	25.25	1.25	0.10	0.00
22.70	1.25	0.10	0.00	25.30	1.25	0.10	0.00
22.75	1.25	0.10	0.00	25.35	1.25	0.10	0.00
22.80	1.25	0.10	0.00	25.40	1.25	0.10	0.00
22.85	1.25	0.10	0.00	25.45	1.25	0.10	0.00
22.90	1.25	0.10	0.00	25.50	1.25	0.10	0.00
22.95	1.25	0.10	0.00	25.55	1.25	0.10	0.00
23.00	1.25	0.10	0.00	25.60	1.25	0.10	0.00
23.05	1.25	0.10	0.00	25.65	1.25	0.10	0.00
23.10	1.25	0.10	0.00	25.70	1.25	0.10	0.00
23.15	1.25	0.10	0.00	25.75	1.25	0.10	0.00
23.20	1.25	0.10	0.00	25.80	1.25	0.10	0.00
23.25	1.25	0.10	0.00	25.85	1.25	0.10	0.00
23.30	1.25	0.10	0.00	25.90	1.25	0.10	0.00
23.35	1.25	0.10	0.00	25.95	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.10	0.00	28.60	1.25	0.10	0.00
26.05	1.25	0.10	0.00	28.65	1.25	0.10	0.00
26.10	1.25	0.10	0.00	28.70	1.25	0.10	0.00
26.15	1.25	0.10	0.00	28.75	1.25	0.10	0.00
26.20	1.25	0.10	0.00	28.80	1.25	0.10	0.00
26.25	1.25	0.10	0.00	28.85	1.25	0.10	0.00
26.30	1.25	0.10	0.00	28.90	1.25	0.10	0.00
26.35	1.25	0.10	0.00	28.95	1.25	0.10	0.00
26.40	1.25	0.10	0.00	29.00	1.25	0.10	0.00
26.45	1.25	0.10	0.00	29.05	1.25	0.10	0.00
26.50	1.25	0.10	0.00	29.10	1.25	0.10	0.00
26.55	1.25	0.10	0.00	29.15	1.25	0.10	0.00
26.60	1.25	0.10	0.00	29.20	1.25	0.10	0.00
26.65	1.25	0.10	0.00	29.25	1.25	0.10	0.00
26.70	1.25	0.10	0.00	29.30	1.25	0.10	0.00
26.75	1.25	0.10	0.00	29.35	1.25	0.10	0.00
26.80	1.25	0.10	0.00	29.40	1.25	0.10	0.00
26.85	1.25	0.10	0.00	29.45	1.25	0.10	0.00
26.90	1.25	0.10	0.00	29.50	1.25	0.10	0.00
26.95	1.25	0.10	0.00	29.55	1.25	0.10	0.00
27.00	1.25	0.10	0.00	29.60	1.25	0.10	0.00
27.05	1.25	0.10	0.00	29.65	1.25	0.10	0.00
27.10	1.25	0.10	0.00	29.70	1.25	0.10	0.00
27.15	1.25	0.10	0.00	29.75	1.25	0.10	0.00
27.20	1.25	0.10	0.00	29.80	1.25	0.10	0.00
27.25	1.25	0.10	0.00	29.85	1.25	0.10	0.00
27.30	1.25	0.10	0.00	29.90	1.25	0.10	0.00
27.35	1.25	0.10	0.00	29.95	1.25	0.10	0.00
27.40	1.25	0.10	0.00	30.00	1.25	0.10	0.00
27.45	1.25	0.10	0.00	30.05	1.25	0.10	0.00
27.50	1.25	0.10	0.00	30.10	1.25	0.10	0.00
27.55	1.25	0.10	0.00	30.15	1.25	0.10	0.00
27.60	1.25	0.10	0.00	30.20	1.25	0.10	0.00
27.65	1.25	0.10	0.00	30.25	1.25	0.10	0.00
27.70	1.25	0.10	0.00	30.30	1.25	0.10	0.00
27.75	1.25	0.10	0.00	30.35	1.25	0.10	0.00
27.80	1.25	0.10	0.00	30.40	1.25	0.10	0.00
27.85	1.25	0.10	0.00	30.45	1.25	0.10	0.00
27.90	1.25	0.10	0.00	30.50	1.25	0.10	0.00
27.95	1.25	0.10	0.00	30.55	1.25	0.10	0.00
28.00	1.25	0.10	0.00	30.60	1.25	0.10	0.00
28.05	1.25	0.10	0.00	30.65	1.25	0.10	0.00
28.10	1.25	0.10	0.00	30.70	1.25	0.10	0.00
28.15	1.25	0.10	0.00	30.75	1.25	0.10	0.00
28.20	1.25	0.10	0.00	30.80	1.25	0.10	0.00
28.25	1.25	0.10	0.00	30.85	1.25	0.10	0.00
28.30	1.25	0.10	0.00	30.90	1.25	0.10	0.00
28.35	1.25	0.10	0.00	30.95	1.25	0.10	0.00
28.40	1.25	0.10	0.00	31.00	1.25	0.10	0.00
28.45	1.25	0.10	0.00	31.05	1.25	0.10	0.00
28.50	1.25	0.10	0.00	31.10	1.25	0.10	0.00
28.55	1.25	0.10	0.00	31.15	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.10	0.00	33.80	1.25	0.10	0.00
31.25	1.25	0.10	0.00	33.85	1.25	0.10	0.00
31.30	1.25	0.10	0.00	33.90	1.25	0.10	0.00
31.35	1.25	0.10	0.00	33.95	1.25	0.10	0.00
31.40	1.25	0.10	0.00	34.00	1.25	0.10	0.00
31.45	1.25	0.10	0.00	34.05	1.25	0.10	0.00
31.50	1.25	0.10	0.00	34.10	1.25	0.10	0.00
31.55	1.25	0.10	0.00	34.15	1.25	0.10	0.00
31.60	1.25	0.10	0.00	34.20	1.25	0.10	0.00
31.65	1.25	0.10	0.00	34.25	1.25	0.10	0.00
31.70	1.25	0.10	0.00	34.30	1.25	0.10	0.00
31.75	1.25	0.10	0.00	34.35	1.25	0.10	0.00
31.80	1.25	0.10	0.00	34.40	1.25	0.10	0.00
31.85	1.25	0.10	0.00	34.45	1.25	0.10	0.00
31.90	1.25	0.10	0.00	34.50	1.25	0.10	0.00
31.95	1.25	0.10	0.00	34.55	1.25	0.10	0.00
32.00	1.25	0.10	0.00	34.60	1.25	0.10	0.00
32.05	1.25	0.10	0.00	34.65	1.25	0.10	0.00
32.10	1.25	0.10	0.00	34.70	1.25	0.10	0.00
32.15	1.25	0.10	0.00	34.75	1.25	0.10	0.00
32.20	1.25	0.10	0.00	34.80	1.25	0.10	0.00
32.25	1.25	0.10	0.00	34.85	1.25	0.10	0.00
32.30	1.25	0.10	0.00	34.90	1.25	0.10	0.00
32.35	1.25	0.10	0.00	34.95	1.25	0.10	0.00
32.40	1.25	0.10	0.00	35.00	1.25	0.10	0.00
32.45	1.25	0.10	0.00	35.05	1.25	0.10	0.00
32.50	1.25	0.10	0.00	35.10	1.25	0.10	0.00
32.55	1.25	0.10	0.00	35.15	1.25	0.10	0.00
32.60	1.25	0.10	0.00	35.20	1.25	0.10	0.00
32.65	1.25	0.10	0.00	35.25	1.25	0.10	0.00
32.70	1.25	0.10	0.00	35.30	1.25	0.10	0.00
32.75	1.25	0.10	0.00	35.35	1.25	0.10	0.00
32.80	1.25	0.10	0.00	35.40	1.25	0.10	0.00
32.85	1.25	0.10	0.00	35.45	1.25	0.10	0.00
32.90	1.25	0.10	0.00	35.50	1.25	0.10	0.00
32.95	1.25	0.10	0.00	35.55	1.25	0.10	0.00
33.00	1.25	0.10	0.00	35.60	1.25	0.10	0.00
33.05	1.25	0.10	0.00	35.65	1.25	0.10	0.00
33.10	1.25	0.10	0.00	35.70	1.25	0.10	0.00
33.15	1.25	0.10	0.00	35.75	1.25	0.10	0.00
33.20	1.25	0.10	0.00	35.80	1.25	0.10	0.00
33.25	1.25	0.10	0.00	35.85	1.25	0.10	0.00
33.30	1.25	0.10	0.00	35.90	1.25	0.10	0.00
33.35	1.25	0.10	0.00	35.95	1.25	0.10	0.00
33.40	1.25	0.10	0.00	36.00	1.25	0.10	0.00
33.45	1.25	0.10	0.00	36.05	1.25	0.10	0.00
33.50	1.25	0.10	0.00	36.10	1.25	0.10	0.00
33.55	1.25	0.10	0.00	36.15	1.25	0.10	0.00
33.60	1.25	0.10	0.00	36.20	1.25	0.10	0.00
33.65	1.25	0.10	0.00	36.25	1.25	0.10	0.00
33.70	1.25	0.10	0.00	36.30	1.25	0.10	0.00
33.75	1.25	0.10	0.00	36.35	1.25	0.10	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.10	0.00
36.45	1.25	0.10	0.00
36.50	1.25	0.10	0.00
36.55	1.25	0.10	0.00
36.60	1.25	0.10	0.00
36.65	1.25	0.10	0.00
36.70	1.25	0.10	0.00
36.75	1.25	0.10	0.00
36.80	1.25	0.10	0.00
36.85	1.25	0.10	0.00
36.90	1.25	0.10	0.00
36.95	1.25	0.10	0.00
37.00	1.25	0.10	0.00
37.05	1.25	0.10	0.00
37.10	1.25	0.10	0.00
37.15	1.25	0.10	0.00
37.20	1.25	0.10	0.00
37.25	1.25	0.10	0.00
37.30	1.25	0.10	0.00
37.35	1.25	0.10	0.00
37.40	1.25	0.10	0.00
37.45	1.25	0.10	0.00
37.50	1.25	0.10	0.00
37.55	1.25	0.10	0.00
37.60	1.25	0.10	0.00
37.65	1.25	0.10	0.00
37.70	1.25	0.10	0.00
37.75	1.25	0.10	0.00
37.80	1.25	0.10	0.00
37.85	1.25	0.10	0.00
37.90	1.25	0.10	0.00
37.95	1.25	0.10	0.00
38.00	1.25	0.10	0.00
38.05	1.25	0.10	0.00
38.10	1.25	0.10	0.00
38.15	1.25	0.10	0.00
38.20	1.25	0.10	0.00
38.25	1.25	0.10	0.00
38.30	1.25	0.10	0.00
38.35	1.25	0.10	0.00
38.40	1.25	0.10	0.00
38.45	1.25	0.10	0.00
38.50	1.25	0.10	0.00
38.55	1.25	0.10	0.00
38.60	1.25	0.10	0.00
38.65	1.25	0.10	0.00
38.70	1.25	0.10	0.00
38.75	1.25	0.10	0.00
38.80	1.25	0.10	0.00
38.85	1.25	0.10	0.00
38.90	1.25	0.10	0.00
38.95	1.25	0.10	0.00
39.00	1.25	0.10	0.00
39.05	1.25	0.10	0.00
39.10	1.25	0.10	0.00
39.15	1.25	0.10	0.00
39.20	1.25	0.10	0.00
39.25	1.25	0.10	0.00
39.30	1.25	0.10	0.00
39.35	1.25	0.10	0.00
39.40	1.25	0.10	0.00
39.45	1.25	0.10	0.00
39.50	1.25	0.10	0.00
39.55	1.25	0.10	0.00
39.60	1.25	0.10	0.00
39.65	1.25	0.10	0.00
39.70	1.25	0.10	0.00
39.75	1.25	0.10	0.00
39.80	1.25	0.10	0.00
39.85	1.25	0.10	0.00
39.90	1.25	0.10	0.00
39.95	1.25	0.10	0.00
40.00	1.25	0.10	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

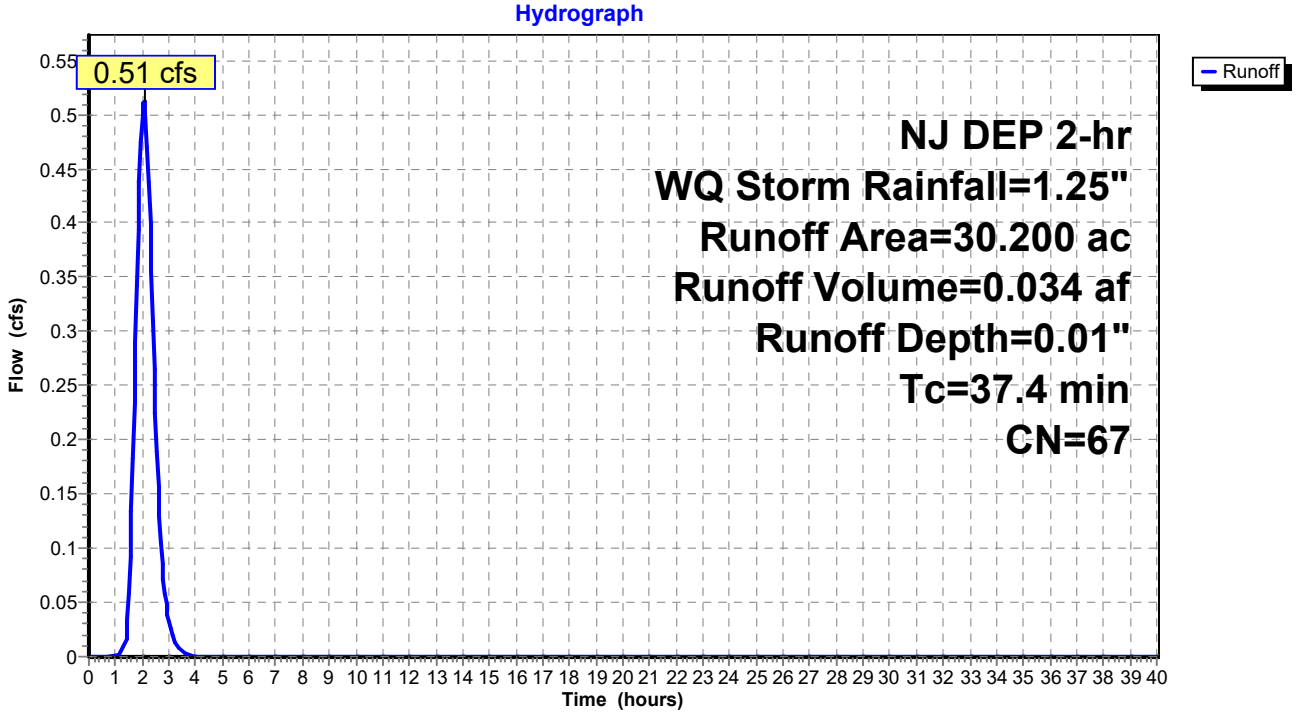
Runoff = 0.51 cfs @ 2.07 hrs, Volume= 0.034 af, Depth= 0.01"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.16
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.13
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.10
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.09
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.07
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.06
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.05
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.04
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.03
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.03
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.02
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.02
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.01
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.01
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.01
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.01
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.01
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.01	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.02	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.03	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.06	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.09	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.13	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.18	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.23	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.29	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.34	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.39	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.44	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.47	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	0.50	4.60	1.25	0.01	0.00
2.05	1.25	0.01	**0.51**	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.51	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.49	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.47	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.44	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.40	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.36	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.31	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.27	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.23	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.19	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

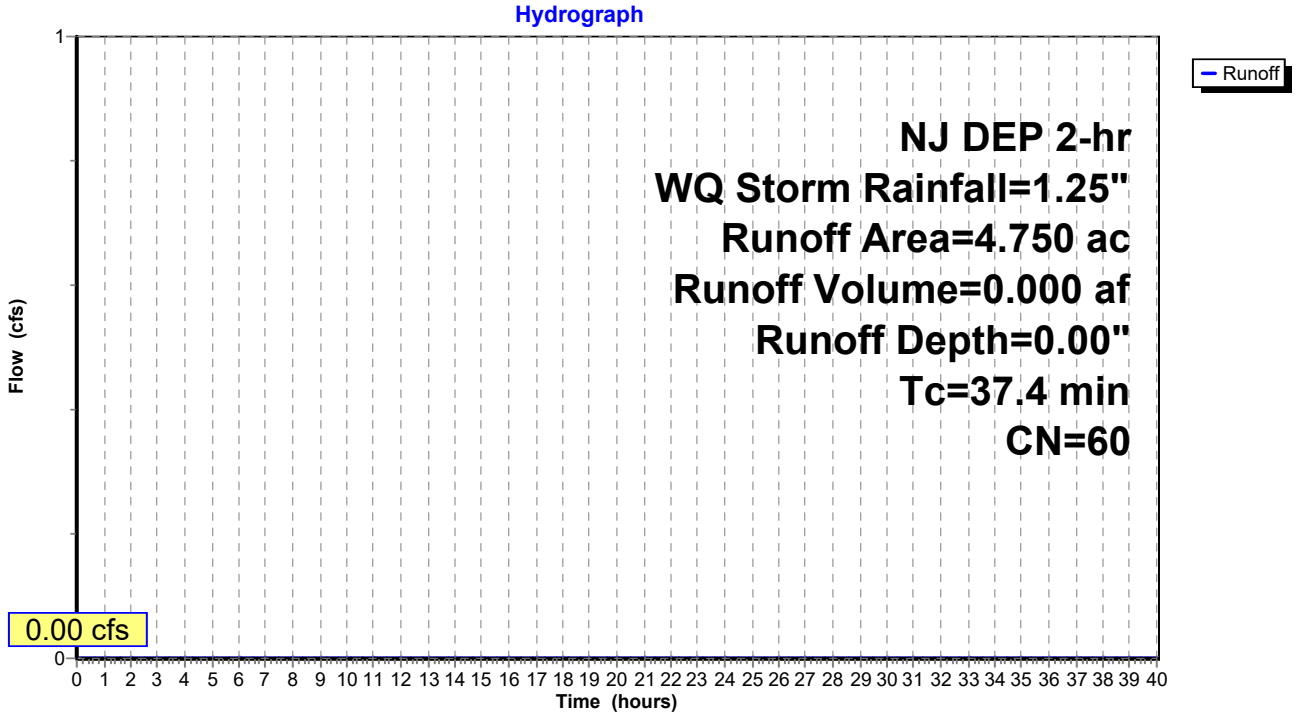
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	**1.25**	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00
36.45	1.25	0.00	0.00
36.50	1.25	0.00	0.00
36.55	1.25	0.00	0.00
36.60	1.25	0.00	0.00
36.65	1.25	0.00	0.00
36.70	1.25	0.00	0.00
36.75	1.25	0.00	0.00
36.80	1.25	0.00	0.00
36.85	1.25	0.00	0.00
36.90	1.25	0.00	0.00
36.95	1.25	0.00	0.00
37.00	1.25	0.00	0.00
37.05	1.25	0.00	0.00
37.10	1.25	0.00	0.00
37.15	1.25	0.00	0.00
37.20	1.25	0.00	0.00
37.25	1.25	0.00	0.00
37.30	1.25	0.00	0.00
37.35	1.25	0.00	0.00
37.40	1.25	0.00	0.00
37.45	1.25	0.00	0.00
37.50	1.25	0.00	0.00
37.55	1.25	0.00	0.00
37.60	1.25	0.00	0.00
37.65	1.25	0.00	0.00
37.70	1.25	0.00	0.00
37.75	1.25	0.00	0.00
37.80	1.25	0.00	0.00
37.85	1.25	0.00	0.00
37.90	1.25	0.00	0.00
37.95	1.25	0.00	0.00
38.00	1.25	0.00	0.00
38.05	1.25	0.00	0.00
38.10	1.25	0.00	0.00
38.15	1.25	0.00	0.00
38.20	1.25	0.00	0.00
38.25	1.25	0.00	0.00
38.30	1.25	0.00	0.00
38.35	1.25	0.00	0.00
38.40	1.25	0.00	0.00
38.45	1.25	0.00	0.00
38.50	1.25	0.00	0.00
38.55	1.25	0.00	0.00
38.60	1.25	0.00	0.00
38.65	1.25	0.00	0.00
38.70	1.25	0.00	0.00
38.75	1.25	0.00	0.00
38.80	1.25	0.00	0.00
38.85	1.25	0.00	0.00
38.90	1.25	0.00	0.00
38.95	1.25	0.00	0.00
39.00	1.25	0.00	0.00
39.05	1.25	0.00	0.00
39.10	1.25	0.00	0.00
39.15	1.25	0.00	0.00
39.20	1.25	0.00	0.00
39.25	1.25	0.00	0.00
39.30	1.25	0.00	0.00
39.35	1.25	0.00	0.00
39.40	1.25	0.00	0.00
39.45	1.25	0.00	0.00
39.50	1.25	0.00	0.00
39.55	1.25	0.00	0.00
39.60	1.25	0.00	0.00
39.65	1.25	0.00	0.00
39.70	1.25	0.00	0.00
39.75	1.25	0.00	0.00
39.80	1.25	0.00	0.00
39.85	1.25	0.00	0.00
39.90	1.25	0.00	0.00
39.95	1.25	0.00	0.00
40.00	1.25	0.00	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

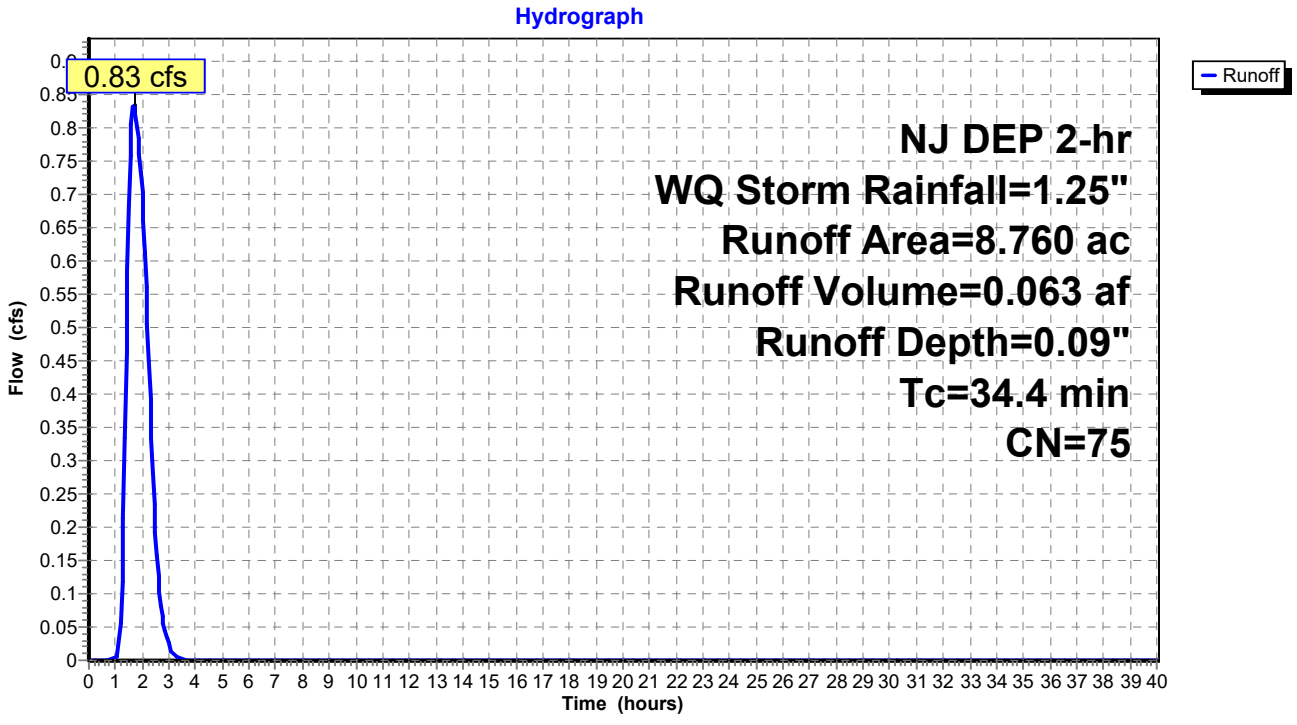
Runoff = 0.83 cfs @ 1.69 hrs, Volume= 0.063 af, Depth= 0.09"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.09	0.13
0.05	0.00	0.00	0.00	2.65	1.25	0.09	0.10
0.10	0.01	0.00	0.00	2.70	1.25	0.09	0.08
0.15	0.01	0.00	0.00	2.75	1.25	0.09	0.07
0.20	0.02	0.00	0.00	2.80	1.25	0.09	0.05
0.25	0.03	0.00	0.00	2.85	1.25	0.09	0.04
0.30	0.04	0.00	0.00	2.90	1.25	0.09	0.04
0.35	0.06	0.00	0.00	2.95	1.25	0.09	0.03
0.40	0.07	0.00	0.00	3.00	1.25	0.09	0.02
0.45	0.09	0.00	0.00	3.05	1.25	0.09	0.02
0.50	0.10	0.00	0.00	3.10	1.25	0.09	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.09	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.09	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.09	0.01
0.70	0.18	0.00	0.00	3.30	1.25	0.09	0.01
0.75	0.20	0.00	0.00	3.35	1.25	0.09	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.09	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.09	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.09	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.09	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.09	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.09	0.00
1.10	0.91	0.02	0.00	3.70	1.25	0.09	0.00
1.15	0.97	0.03	0.02	3.75	1.25	0.09	0.00
1.20	1.02	0.03	0.05	3.80	1.25	0.09	0.00
1.25	1.05	0.04	0.12	3.85	1.25	0.09	0.00
1.30	1.07	0.04	0.21	3.90	1.25	0.09	0.00
1.35	1.09	0.05	0.33	3.95	1.25	0.09	0.00
1.40	1.11	0.05	0.46	4.00	1.25	0.09	0.00
1.45	1.13	0.06	0.58	4.05	1.25	0.09	0.00
1.50	1.15	0.06	0.68	4.10	1.25	0.09	0.00
1.55	1.17	0.06	0.76	4.15	1.25	0.09	0.00
1.60	1.18	0.07	0.81	4.20	1.25	0.09	0.00
1.65	1.20	0.07	0.83	4.25	1.25	0.09	0.00
1.70	1.21	0.08	**0.83**	4.30	1.25	0.09	0.00
1.75	1.23	0.08	0.82	4.35	1.25	0.09	0.00
1.80	1.23	0.08	0.81	4.40	1.25	0.09	0.00
1.85	1.24	0.08	0.78	4.45	1.25	0.09	0.00
1.90	1.24	0.08	0.76	4.50	1.25	0.09	0.00
1.95	1.25	0.09	0.74	4.55	1.25	0.09	0.00
2.00	**1.25**	**0.09**	0.70	4.60	1.25	0.09	0.00
2.05	1.25	0.09	0.66	4.65	1.25	0.09	0.00
2.10	1.25	0.09	0.61	4.70	1.25	0.09	0.00
2.15	1.25	0.09	0.56	4.75	1.25	0.09	0.00
2.20	1.25	0.09	0.51	4.80	1.25	0.09	0.00
2.25	1.25	0.09	0.45	4.85	1.25	0.09	0.00
2.30	1.25	0.09	0.39	4.90	1.25	0.09	0.00
2.35	1.25	0.09	0.33	4.95	1.25	0.09	0.00
2.40	1.25	0.09	0.28	5.00	1.25	0.09	0.00
2.45	1.25	0.09	0.23	5.05	1.25	0.09	0.00
2.50	1.25	0.09	0.19	5.10	1.25	0.09	0.00
2.55	1.25	0.09	0.16	5.15	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.09	0.00	7.80	1.25	0.09	0.00
5.25	1.25	0.09	0.00	7.85	1.25	0.09	0.00
5.30	1.25	0.09	0.00	7.90	1.25	0.09	0.00
5.35	1.25	0.09	0.00	7.95	1.25	0.09	0.00
5.40	1.25	0.09	0.00	8.00	1.25	0.09	0.00
5.45	1.25	0.09	0.00	8.05	1.25	0.09	0.00
5.50	1.25	0.09	0.00	8.10	1.25	0.09	0.00
5.55	1.25	0.09	0.00	8.15	1.25	0.09	0.00
5.60	1.25	0.09	0.00	8.20	1.25	0.09	0.00
5.65	1.25	0.09	0.00	8.25	1.25	0.09	0.00
5.70	1.25	0.09	0.00	8.30	1.25	0.09	0.00
5.75	1.25	0.09	0.00	8.35	1.25	0.09	0.00
5.80	1.25	0.09	0.00	8.40	1.25	0.09	0.00
5.85	1.25	0.09	0.00	8.45	1.25	0.09	0.00
5.90	1.25	0.09	0.00	8.50	1.25	0.09	0.00
5.95	1.25	0.09	0.00	8.55	1.25	0.09	0.00
6.00	1.25	0.09	0.00	8.60	1.25	0.09	0.00
6.05	1.25	0.09	0.00	8.65	1.25	0.09	0.00
6.10	1.25	0.09	0.00	8.70	1.25	0.09	0.00
6.15	1.25	0.09	0.00	8.75	1.25	0.09	0.00
6.20	1.25	0.09	0.00	8.80	1.25	0.09	0.00
6.25	1.25	0.09	0.00	8.85	1.25	0.09	0.00
6.30	1.25	0.09	0.00	8.90	1.25	0.09	0.00
6.35	1.25	0.09	0.00	8.95	1.25	0.09	0.00
6.40	1.25	0.09	0.00	9.00	1.25	0.09	0.00
6.45	1.25	0.09	0.00	9.05	1.25	0.09	0.00
6.50	1.25	0.09	0.00	9.10	1.25	0.09	0.00
6.55	1.25	0.09	0.00	9.15	1.25	0.09	0.00
6.60	1.25	0.09	0.00	9.20	1.25	0.09	0.00
6.65	1.25	0.09	0.00	9.25	1.25	0.09	0.00
6.70	1.25	0.09	0.00	9.30	1.25	0.09	0.00
6.75	1.25	0.09	0.00	9.35	1.25	0.09	0.00
6.80	1.25	0.09	0.00	9.40	1.25	0.09	0.00
6.85	1.25	0.09	0.00	9.45	1.25	0.09	0.00
6.90	1.25	0.09	0.00	9.50	1.25	0.09	0.00
6.95	1.25	0.09	0.00	9.55	1.25	0.09	0.00
7.00	1.25	0.09	0.00	9.60	1.25	0.09	0.00
7.05	1.25	0.09	0.00	9.65	1.25	0.09	0.00
7.10	1.25	0.09	0.00	9.70	1.25	0.09	0.00
7.15	1.25	0.09	0.00	9.75	1.25	0.09	0.00
7.20	1.25	0.09	0.00	9.80	1.25	0.09	0.00
7.25	1.25	0.09	0.00	9.85	1.25	0.09	0.00
7.30	1.25	0.09	0.00	9.90	1.25	0.09	0.00
7.35	1.25	0.09	0.00	9.95	1.25	0.09	0.00
7.40	1.25	0.09	0.00	10.00	1.25	0.09	0.00
7.45	1.25	0.09	0.00	10.05	1.25	0.09	0.00
7.50	1.25	0.09	0.00	10.10	1.25	0.09	0.00
7.55	1.25	0.09	0.00	10.15	1.25	0.09	0.00
7.60	1.25	0.09	0.00	10.20	1.25	0.09	0.00
7.65	1.25	0.09	0.00	10.25	1.25	0.09	0.00
7.70	1.25	0.09	0.00	10.30	1.25	0.09	0.00
7.75	1.25	0.09	0.00	10.35	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.09	0.00	13.00	1.25	0.09	0.00
10.45	1.25	0.09	0.00	13.05	1.25	0.09	0.00
10.50	1.25	0.09	0.00	13.10	1.25	0.09	0.00
10.55	1.25	0.09	0.00	13.15	1.25	0.09	0.00
10.60	1.25	0.09	0.00	13.20	1.25	0.09	0.00
10.65	1.25	0.09	0.00	13.25	1.25	0.09	0.00
10.70	1.25	0.09	0.00	13.30	1.25	0.09	0.00
10.75	1.25	0.09	0.00	13.35	1.25	0.09	0.00
10.80	1.25	0.09	0.00	13.40	1.25	0.09	0.00
10.85	1.25	0.09	0.00	13.45	1.25	0.09	0.00
10.90	1.25	0.09	0.00	13.50	1.25	0.09	0.00
10.95	1.25	0.09	0.00	13.55	1.25	0.09	0.00
11.00	1.25	0.09	0.00	13.60	1.25	0.09	0.00
11.05	1.25	0.09	0.00	13.65	1.25	0.09	0.00
11.10	1.25	0.09	0.00	13.70	1.25	0.09	0.00
11.15	1.25	0.09	0.00	13.75	1.25	0.09	0.00
11.20	1.25	0.09	0.00	13.80	1.25	0.09	0.00
11.25	1.25	0.09	0.00	13.85	1.25	0.09	0.00
11.30	1.25	0.09	0.00	13.90	1.25	0.09	0.00
11.35	1.25	0.09	0.00	13.95	1.25	0.09	0.00
11.40	1.25	0.09	0.00	14.00	1.25	0.09	0.00
11.45	1.25	0.09	0.00	14.05	1.25	0.09	0.00
11.50	1.25	0.09	0.00	14.10	1.25	0.09	0.00
11.55	1.25	0.09	0.00	14.15	1.25	0.09	0.00
11.60	1.25	0.09	0.00	14.20	1.25	0.09	0.00
11.65	1.25	0.09	0.00	14.25	1.25	0.09	0.00
11.70	1.25	0.09	0.00	14.30	1.25	0.09	0.00
11.75	1.25	0.09	0.00	14.35	1.25	0.09	0.00
11.80	1.25	0.09	0.00	14.40	1.25	0.09	0.00
11.85	1.25	0.09	0.00	14.45	1.25	0.09	0.00
11.90	1.25	0.09	0.00	14.50	1.25	0.09	0.00
11.95	1.25	0.09	0.00	14.55	1.25	0.09	0.00
12.00	1.25	0.09	0.00	14.60	1.25	0.09	0.00
12.05	1.25	0.09	0.00	14.65	1.25	0.09	0.00
12.10	1.25	0.09	0.00	14.70	1.25	0.09	0.00
12.15	1.25	0.09	0.00	14.75	1.25	0.09	0.00
12.20	1.25	0.09	0.00	14.80	1.25	0.09	0.00
12.25	1.25	0.09	0.00	14.85	1.25	0.09	0.00
12.30	1.25	0.09	0.00	14.90	1.25	0.09	0.00
12.35	1.25	0.09	0.00	14.95	1.25	0.09	0.00
12.40	1.25	0.09	0.00	15.00	1.25	0.09	0.00
12.45	1.25	0.09	0.00	15.05	1.25	0.09	0.00
12.50	1.25	0.09	0.00	15.10	1.25	0.09	0.00
12.55	1.25	0.09	0.00	15.15	1.25	0.09	0.00
12.60	1.25	0.09	0.00	15.20	1.25	0.09	0.00
12.65	1.25	0.09	0.00	15.25	1.25	0.09	0.00
12.70	1.25	0.09	0.00	15.30	1.25	0.09	0.00
12.75	1.25	0.09	0.00	15.35	1.25	0.09	0.00
12.80	1.25	0.09	0.00	15.40	1.25	0.09	0.00
12.85	1.25	0.09	0.00	15.45	1.25	0.09	0.00
12.90	1.25	0.09	0.00	15.50	1.25	0.09	0.00
12.95	1.25	0.09	0.00	15.55	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.09	0.00	18.20	1.25	0.09	0.00
15.65	1.25	0.09	0.00	18.25	1.25	0.09	0.00
15.70	1.25	0.09	0.00	18.30	1.25	0.09	0.00
15.75	1.25	0.09	0.00	18.35	1.25	0.09	0.00
15.80	1.25	0.09	0.00	18.40	1.25	0.09	0.00
15.85	1.25	0.09	0.00	18.45	1.25	0.09	0.00
15.90	1.25	0.09	0.00	18.50	1.25	0.09	0.00
15.95	1.25	0.09	0.00	18.55	1.25	0.09	0.00
16.00	1.25	0.09	0.00	18.60	1.25	0.09	0.00
16.05	1.25	0.09	0.00	18.65	1.25	0.09	0.00
16.10	1.25	0.09	0.00	18.70	1.25	0.09	0.00
16.15	1.25	0.09	0.00	18.75	1.25	0.09	0.00
16.20	1.25	0.09	0.00	18.80	1.25	0.09	0.00
16.25	1.25	0.09	0.00	18.85	1.25	0.09	0.00
16.30	1.25	0.09	0.00	18.90	1.25	0.09	0.00
16.35	1.25	0.09	0.00	18.95	1.25	0.09	0.00
16.40	1.25	0.09	0.00	19.00	1.25	0.09	0.00
16.45	1.25	0.09	0.00	19.05	1.25	0.09	0.00
16.50	1.25	0.09	0.00	19.10	1.25	0.09	0.00
16.55	1.25	0.09	0.00	19.15	1.25	0.09	0.00
16.60	1.25	0.09	0.00	19.20	1.25	0.09	0.00
16.65	1.25	0.09	0.00	19.25	1.25	0.09	0.00
16.70	1.25	0.09	0.00	19.30	1.25	0.09	0.00
16.75	1.25	0.09	0.00	19.35	1.25	0.09	0.00
16.80	1.25	0.09	0.00	19.40	1.25	0.09	0.00
16.85	1.25	0.09	0.00	19.45	1.25	0.09	0.00
16.90	1.25	0.09	0.00	19.50	1.25	0.09	0.00
16.95	1.25	0.09	0.00	19.55	1.25	0.09	0.00
17.00	1.25	0.09	0.00	19.60	1.25	0.09	0.00
17.05	1.25	0.09	0.00	19.65	1.25	0.09	0.00
17.10	1.25	0.09	0.00	19.70	1.25	0.09	0.00
17.15	1.25	0.09	0.00	19.75	1.25	0.09	0.00
17.20	1.25	0.09	0.00	19.80	1.25	0.09	0.00
17.25	1.25	0.09	0.00	19.85	1.25	0.09	0.00
17.30	1.25	0.09	0.00	19.90	1.25	0.09	0.00
17.35	1.25	0.09	0.00	19.95	1.25	0.09	0.00
17.40	1.25	0.09	0.00	20.00	1.25	0.09	0.00
17.45	1.25	0.09	0.00	20.05	1.25	0.09	0.00
17.50	1.25	0.09	0.00	20.10	1.25	0.09	0.00
17.55	1.25	0.09	0.00	20.15	1.25	0.09	0.00
17.60	1.25	0.09	0.00	20.20	1.25	0.09	0.00
17.65	1.25	0.09	0.00	20.25	1.25	0.09	0.00
17.70	1.25	0.09	0.00	20.30	1.25	0.09	0.00
17.75	1.25	0.09	0.00	20.35	1.25	0.09	0.00
17.80	1.25	0.09	0.00	20.40	1.25	0.09	0.00
17.85	1.25	0.09	0.00	20.45	1.25	0.09	0.00
17.90	1.25	0.09	0.00	20.50	1.25	0.09	0.00
17.95	1.25	0.09	0.00	20.55	1.25	0.09	0.00
18.00	1.25	0.09	0.00	20.60	1.25	0.09	0.00
18.05	1.25	0.09	0.00	20.65	1.25	0.09	0.00
18.10	1.25	0.09	0.00	20.70	1.25	0.09	0.00
18.15	1.25	0.09	0.00	20.75	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.09	0.00	23.40	1.25	0.09	0.00
20.85	1.25	0.09	0.00	23.45	1.25	0.09	0.00
20.90	1.25	0.09	0.00	23.50	1.25	0.09	0.00
20.95	1.25	0.09	0.00	23.55	1.25	0.09	0.00
21.00	1.25	0.09	0.00	23.60	1.25	0.09	0.00
21.05	1.25	0.09	0.00	23.65	1.25	0.09	0.00
21.10	1.25	0.09	0.00	23.70	1.25	0.09	0.00
21.15	1.25	0.09	0.00	23.75	1.25	0.09	0.00
21.20	1.25	0.09	0.00	23.80	1.25	0.09	0.00
21.25	1.25	0.09	0.00	23.85	1.25	0.09	0.00
21.30	1.25	0.09	0.00	23.90	1.25	0.09	0.00
21.35	1.25	0.09	0.00	23.95	1.25	0.09	0.00
21.40	1.25	0.09	0.00	24.00	1.25	0.09	0.00
21.45	1.25	0.09	0.00	24.05	1.25	0.09	0.00
21.50	1.25	0.09	0.00	24.10	1.25	0.09	0.00
21.55	1.25	0.09	0.00	24.15	1.25	0.09	0.00
21.60	1.25	0.09	0.00	24.20	1.25	0.09	0.00
21.65	1.25	0.09	0.00	24.25	1.25	0.09	0.00
21.70	1.25	0.09	0.00	24.30	1.25	0.09	0.00
21.75	1.25	0.09	0.00	24.35	1.25	0.09	0.00
21.80	1.25	0.09	0.00	24.40	1.25	0.09	0.00
21.85	1.25	0.09	0.00	24.45	1.25	0.09	0.00
21.90	1.25	0.09	0.00	24.50	1.25	0.09	0.00
21.95	1.25	0.09	0.00	24.55	1.25	0.09	0.00
22.00	1.25	0.09	0.00	24.60	1.25	0.09	0.00
22.05	1.25	0.09	0.00	24.65	1.25	0.09	0.00
22.10	1.25	0.09	0.00	24.70	1.25	0.09	0.00
22.15	1.25	0.09	0.00	24.75	1.25	0.09	0.00
22.20	1.25	0.09	0.00	24.80	1.25	0.09	0.00
22.25	1.25	0.09	0.00	24.85	1.25	0.09	0.00
22.30	1.25	0.09	0.00	24.90	1.25	0.09	0.00
22.35	1.25	0.09	0.00	24.95	1.25	0.09	0.00
22.40	1.25	0.09	0.00	25.00	1.25	0.09	0.00
22.45	1.25	0.09	0.00	25.05	1.25	0.09	0.00
22.50	1.25	0.09	0.00	25.10	1.25	0.09	0.00
22.55	1.25	0.09	0.00	25.15	1.25	0.09	0.00
22.60	1.25	0.09	0.00	25.20	1.25	0.09	0.00
22.65	1.25	0.09	0.00	25.25	1.25	0.09	0.00
22.70	1.25	0.09	0.00	25.30	1.25	0.09	0.00
22.75	1.25	0.09	0.00	25.35	1.25	0.09	0.00
22.80	1.25	0.09	0.00	25.40	1.25	0.09	0.00
22.85	1.25	0.09	0.00	25.45	1.25	0.09	0.00
22.90	1.25	0.09	0.00	25.50	1.25	0.09	0.00
22.95	1.25	0.09	0.00	25.55	1.25	0.09	0.00
23.00	1.25	0.09	0.00	25.60	1.25	0.09	0.00
23.05	1.25	0.09	0.00	25.65	1.25	0.09	0.00
23.10	1.25	0.09	0.00	25.70	1.25	0.09	0.00
23.15	1.25	0.09	0.00	25.75	1.25	0.09	0.00
23.20	1.25	0.09	0.00	25.80	1.25	0.09	0.00
23.25	1.25	0.09	0.00	25.85	1.25	0.09	0.00
23.30	1.25	0.09	0.00	25.90	1.25	0.09	0.00
23.35	1.25	0.09	0.00	25.95	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.09	0.00	28.60	1.25	0.09	0.00
26.05	1.25	0.09	0.00	28.65	1.25	0.09	0.00
26.10	1.25	0.09	0.00	28.70	1.25	0.09	0.00
26.15	1.25	0.09	0.00	28.75	1.25	0.09	0.00
26.20	1.25	0.09	0.00	28.80	1.25	0.09	0.00
26.25	1.25	0.09	0.00	28.85	1.25	0.09	0.00
26.30	1.25	0.09	0.00	28.90	1.25	0.09	0.00
26.35	1.25	0.09	0.00	28.95	1.25	0.09	0.00
26.40	1.25	0.09	0.00	29.00	1.25	0.09	0.00
26.45	1.25	0.09	0.00	29.05	1.25	0.09	0.00
26.50	1.25	0.09	0.00	29.10	1.25	0.09	0.00
26.55	1.25	0.09	0.00	29.15	1.25	0.09	0.00
26.60	1.25	0.09	0.00	29.20	1.25	0.09	0.00
26.65	1.25	0.09	0.00	29.25	1.25	0.09	0.00
26.70	1.25	0.09	0.00	29.30	1.25	0.09	0.00
26.75	1.25	0.09	0.00	29.35	1.25	0.09	0.00
26.80	1.25	0.09	0.00	29.40	1.25	0.09	0.00
26.85	1.25	0.09	0.00	29.45	1.25	0.09	0.00
26.90	1.25	0.09	0.00	29.50	1.25	0.09	0.00
26.95	1.25	0.09	0.00	29.55	1.25	0.09	0.00
27.00	1.25	0.09	0.00	29.60	1.25	0.09	0.00
27.05	1.25	0.09	0.00	29.65	1.25	0.09	0.00
27.10	1.25	0.09	0.00	29.70	1.25	0.09	0.00
27.15	1.25	0.09	0.00	29.75	1.25	0.09	0.00
27.20	1.25	0.09	0.00	29.80	1.25	0.09	0.00
27.25	1.25	0.09	0.00	29.85	1.25	0.09	0.00
27.30	1.25	0.09	0.00	29.90	1.25	0.09	0.00
27.35	1.25	0.09	0.00	29.95	1.25	0.09	0.00
27.40	1.25	0.09	0.00	30.00	1.25	0.09	0.00
27.45	1.25	0.09	0.00	30.05	1.25	0.09	0.00
27.50	1.25	0.09	0.00	30.10	1.25	0.09	0.00
27.55	1.25	0.09	0.00	30.15	1.25	0.09	0.00
27.60	1.25	0.09	0.00	30.20	1.25	0.09	0.00
27.65	1.25	0.09	0.00	30.25	1.25	0.09	0.00
27.70	1.25	0.09	0.00	30.30	1.25	0.09	0.00
27.75	1.25	0.09	0.00	30.35	1.25	0.09	0.00
27.80	1.25	0.09	0.00	30.40	1.25	0.09	0.00
27.85	1.25	0.09	0.00	30.45	1.25	0.09	0.00
27.90	1.25	0.09	0.00	30.50	1.25	0.09	0.00
27.95	1.25	0.09	0.00	30.55	1.25	0.09	0.00
28.00	1.25	0.09	0.00	30.60	1.25	0.09	0.00
28.05	1.25	0.09	0.00	30.65	1.25	0.09	0.00
28.10	1.25	0.09	0.00	30.70	1.25	0.09	0.00
28.15	1.25	0.09	0.00	30.75	1.25	0.09	0.00
28.20	1.25	0.09	0.00	30.80	1.25	0.09	0.00
28.25	1.25	0.09	0.00	30.85	1.25	0.09	0.00
28.30	1.25	0.09	0.00	30.90	1.25	0.09	0.00
28.35	1.25	0.09	0.00	30.95	1.25	0.09	0.00
28.40	1.25	0.09	0.00	31.00	1.25	0.09	0.00
28.45	1.25	0.09	0.00	31.05	1.25	0.09	0.00
28.50	1.25	0.09	0.00	31.10	1.25	0.09	0.00
28.55	1.25	0.09	0.00	31.15	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.09	0.00	33.80	1.25	0.09	0.00
31.25	1.25	0.09	0.00	33.85	1.25	0.09	0.00
31.30	1.25	0.09	0.00	33.90	1.25	0.09	0.00
31.35	1.25	0.09	0.00	33.95	1.25	0.09	0.00
31.40	1.25	0.09	0.00	34.00	1.25	0.09	0.00
31.45	1.25	0.09	0.00	34.05	1.25	0.09	0.00
31.50	1.25	0.09	0.00	34.10	1.25	0.09	0.00
31.55	1.25	0.09	0.00	34.15	1.25	0.09	0.00
31.60	1.25	0.09	0.00	34.20	1.25	0.09	0.00
31.65	1.25	0.09	0.00	34.25	1.25	0.09	0.00
31.70	1.25	0.09	0.00	34.30	1.25	0.09	0.00
31.75	1.25	0.09	0.00	34.35	1.25	0.09	0.00
31.80	1.25	0.09	0.00	34.40	1.25	0.09	0.00
31.85	1.25	0.09	0.00	34.45	1.25	0.09	0.00
31.90	1.25	0.09	0.00	34.50	1.25	0.09	0.00
31.95	1.25	0.09	0.00	34.55	1.25	0.09	0.00
32.00	1.25	0.09	0.00	34.60	1.25	0.09	0.00
32.05	1.25	0.09	0.00	34.65	1.25	0.09	0.00
32.10	1.25	0.09	0.00	34.70	1.25	0.09	0.00
32.15	1.25	0.09	0.00	34.75	1.25	0.09	0.00
32.20	1.25	0.09	0.00	34.80	1.25	0.09	0.00
32.25	1.25	0.09	0.00	34.85	1.25	0.09	0.00
32.30	1.25	0.09	0.00	34.90	1.25	0.09	0.00
32.35	1.25	0.09	0.00	34.95	1.25	0.09	0.00
32.40	1.25	0.09	0.00	35.00	1.25	0.09	0.00
32.45	1.25	0.09	0.00	35.05	1.25	0.09	0.00
32.50	1.25	0.09	0.00	35.10	1.25	0.09	0.00
32.55	1.25	0.09	0.00	35.15	1.25	0.09	0.00
32.60	1.25	0.09	0.00	35.20	1.25	0.09	0.00
32.65	1.25	0.09	0.00	35.25	1.25	0.09	0.00
32.70	1.25	0.09	0.00	35.30	1.25	0.09	0.00
32.75	1.25	0.09	0.00	35.35	1.25	0.09	0.00
32.80	1.25	0.09	0.00	35.40	1.25	0.09	0.00
32.85	1.25	0.09	0.00	35.45	1.25	0.09	0.00
32.90	1.25	0.09	0.00	35.50	1.25	0.09	0.00
32.95	1.25	0.09	0.00	35.55	1.25	0.09	0.00
33.00	1.25	0.09	0.00	35.60	1.25	0.09	0.00
33.05	1.25	0.09	0.00	35.65	1.25	0.09	0.00
33.10	1.25	0.09	0.00	35.70	1.25	0.09	0.00
33.15	1.25	0.09	0.00	35.75	1.25	0.09	0.00
33.20	1.25	0.09	0.00	35.80	1.25	0.09	0.00
33.25	1.25	0.09	0.00	35.85	1.25	0.09	0.00
33.30	1.25	0.09	0.00	35.90	1.25	0.09	0.00
33.35	1.25	0.09	0.00	35.95	1.25	0.09	0.00
33.40	1.25	0.09	0.00	36.00	1.25	0.09	0.00
33.45	1.25	0.09	0.00	36.05	1.25	0.09	0.00
33.50	1.25	0.09	0.00	36.10	1.25	0.09	0.00
33.55	1.25	0.09	0.00	36.15	1.25	0.09	0.00
33.60	1.25	0.09	0.00	36.20	1.25	0.09	0.00
33.65	1.25	0.09	0.00	36.25	1.25	0.09	0.00
33.70	1.25	0.09	0.00	36.30	1.25	0.09	0.00
33.75	1.25	0.09	0.00	36.35	1.25	0.09	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.09	0.00
36.45	1.25	0.09	0.00
36.50	1.25	0.09	0.00
36.55	1.25	0.09	0.00
36.60	1.25	0.09	0.00
36.65	1.25	0.09	0.00
36.70	1.25	0.09	0.00
36.75	1.25	0.09	0.00
36.80	1.25	0.09	0.00
36.85	1.25	0.09	0.00
36.90	1.25	0.09	0.00
36.95	1.25	0.09	0.00
37.00	1.25	0.09	0.00
37.05	1.25	0.09	0.00
37.10	1.25	0.09	0.00
37.15	1.25	0.09	0.00
37.20	1.25	0.09	0.00
37.25	1.25	0.09	0.00
37.30	1.25	0.09	0.00
37.35	1.25	0.09	0.00
37.40	1.25	0.09	0.00
37.45	1.25	0.09	0.00
37.50	1.25	0.09	0.00
37.55	1.25	0.09	0.00
37.60	1.25	0.09	0.00
37.65	1.25	0.09	0.00
37.70	1.25	0.09	0.00
37.75	1.25	0.09	0.00
37.80	1.25	0.09	0.00
37.85	1.25	0.09	0.00
37.90	1.25	0.09	0.00
37.95	1.25	0.09	0.00
38.00	1.25	0.09	0.00
38.05	1.25	0.09	0.00
38.10	1.25	0.09	0.00
38.15	1.25	0.09	0.00
38.20	1.25	0.09	0.00
38.25	1.25	0.09	0.00
38.30	1.25	0.09	0.00
38.35	1.25	0.09	0.00
38.40	1.25	0.09	0.00
38.45	1.25	0.09	0.00
38.50	1.25	0.09	0.00
38.55	1.25	0.09	0.00
38.60	1.25	0.09	0.00
38.65	1.25	0.09	0.00
38.70	1.25	0.09	0.00
38.75	1.25	0.09	0.00
38.80	1.25	0.09	0.00
38.85	1.25	0.09	0.00
38.90	1.25	0.09	0.00
38.95	1.25	0.09	0.00
39.00	1.25	0.09	0.00
39.05	1.25	0.09	0.00
39.10	1.25	0.09	0.00
39.15	1.25	0.09	0.00
39.20	1.25	0.09	0.00
39.25	1.25	0.09	0.00
39.30	1.25	0.09	0.00
39.35	1.25	0.09	0.00
39.40	1.25	0.09	0.00
39.45	1.25	0.09	0.00
39.50	1.25	0.09	0.00
39.55	1.25	0.09	0.00
39.60	1.25	0.09	0.00
39.65	1.25	0.09	0.00
39.70	1.25	0.09	0.00
39.75	1.25	0.09	0.00
39.80	1.25	0.09	0.00
39.85	1.25	0.09	0.00
39.90	1.25	0.09	0.00
39.95	1.25	0.09	0.00
40.00	1.25	0.09	0.00

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

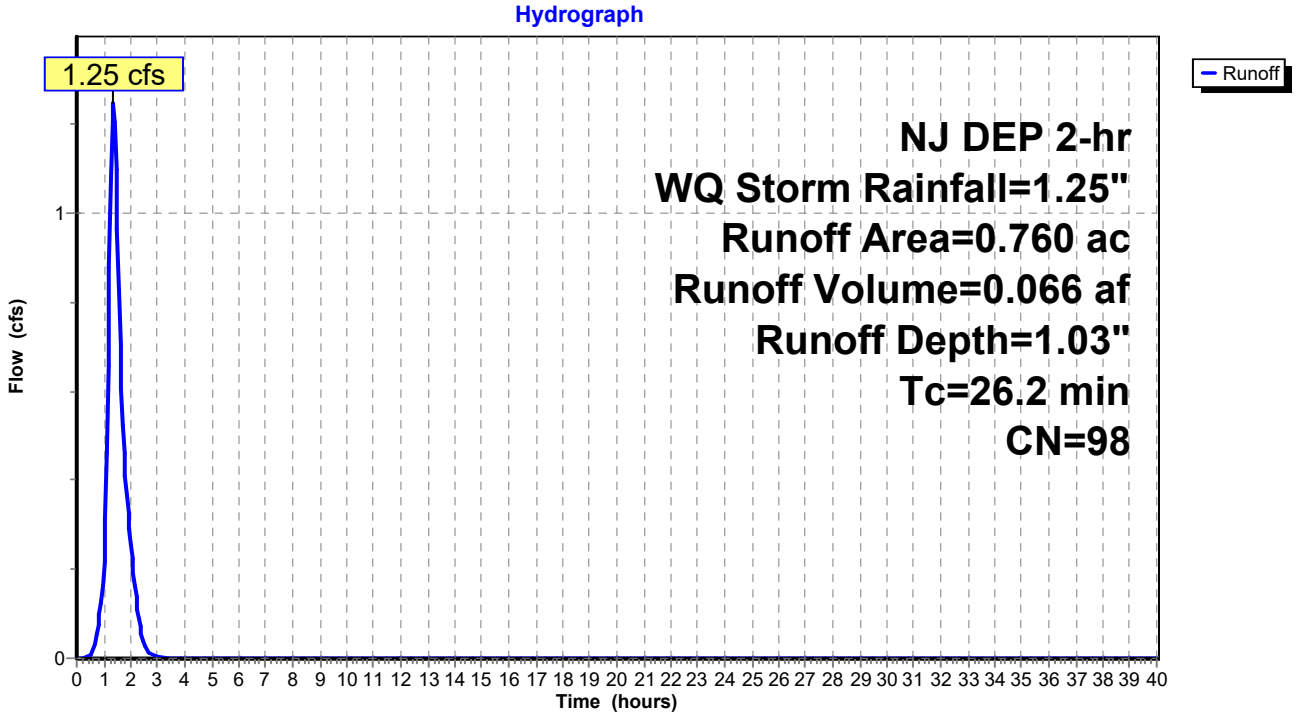
Runoff = 1.25 cfs @ 1.35 hrs, Volume= 0.066 af, Depth= 1.03"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6I: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.02
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.01
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.01
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.01
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.00	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.00	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.01	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.01	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.02	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.04	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.06	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.07	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.10	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.12	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.16	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.22	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.31	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.46	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.66	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.88	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.08	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.21	3.90	1.25	1.03	0.00
1.35	1.09	0.88	**1.25**	3.95	1.25	1.03	0.00
1.40	1.11	0.90	1.20	4.00	1.25	1.03	0.00
1.45	1.13	0.92	1.10	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.96	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.82	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.70	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.60	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.52	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.46	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.41	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.36	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.33	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.29	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.26	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.22	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.19	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.16	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.14	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.11	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.09	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.07	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.05	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.04	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.03	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.02	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

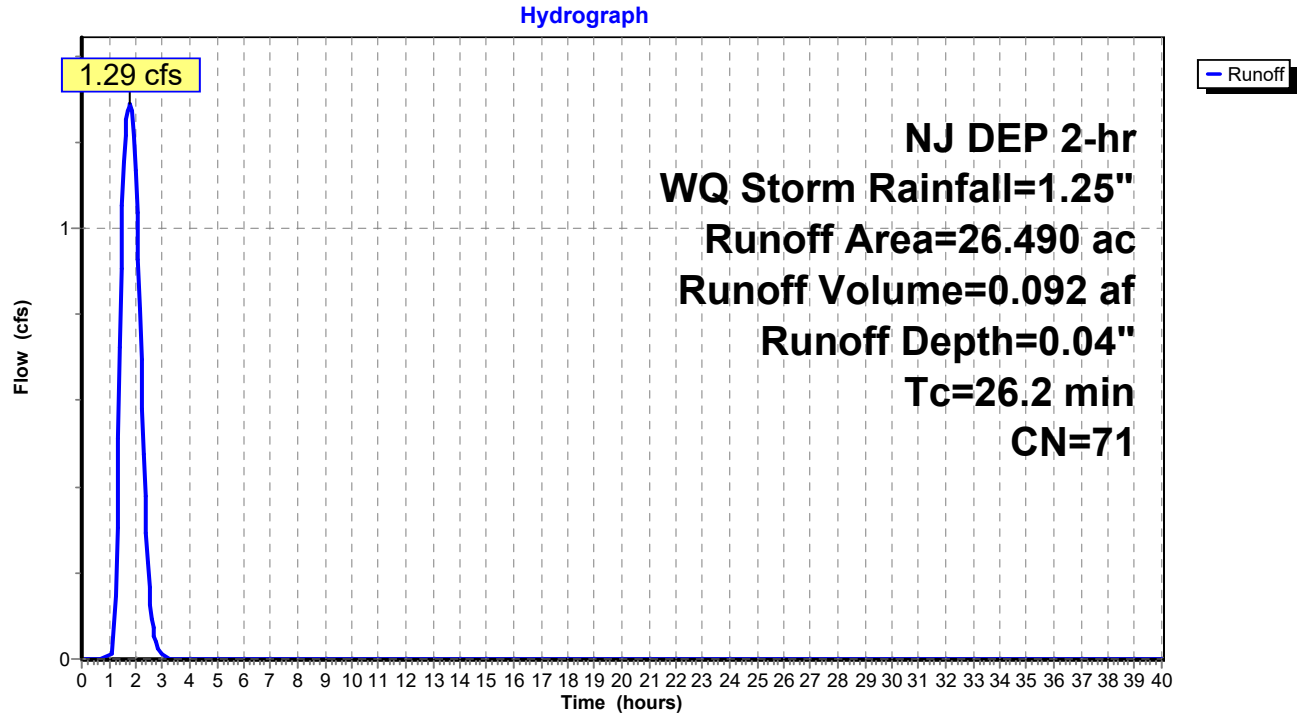
Runoff = 1.29 cfs @ 1.80 hrs, Volume= 0.092 af, Depth= 0.04"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.04	0.09
0.05	0.00	0.00	0.00	2.65	1.25	0.04	0.07
0.10	0.01	0.00	0.00	2.70	1.25	0.04	0.05
0.15	0.01	0.00	0.00	2.75	1.25	0.04	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.04	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.04	0.02
0.30	0.04	0.00	0.00	2.90	1.25	0.04	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.04	0.01
0.40	0.07	0.00	0.00	3.00	1.25	0.04	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.04	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.04	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.04	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.04	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.04	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.04	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.04	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.04	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.04	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.04	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.04	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.04	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.04	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.04	0.00
1.15	0.97	0.01	0.01	3.75	1.25	0.04	0.00
1.20	1.02	0.01	0.05	3.80	1.25	0.04	0.00
1.25	1.05	0.01	0.15	3.85	1.25	0.04	0.00
1.30	1.07	0.01	0.31	3.90	1.25	0.04	0.00
1.35	1.09	0.02	0.51	3.95	1.25	0.04	0.00
1.40	1.11	0.02	0.72	4.00	1.25	0.04	0.00
1.45	1.13	0.02	0.91	4.05	1.25	0.04	0.00
1.50	1.15	0.03	1.06	4.10	1.25	0.04	0.00
1.55	1.17	0.03	1.16	4.15	1.25	0.04	0.00
1.60	1.18	0.03	1.22	4.20	1.25	0.04	0.00
1.65	1.20	0.03	1.25	4.25	1.25	0.04	0.00
1.70	1.21	0.03	1.27	4.30	1.25	0.04	0.00
1.75	1.23	0.04	1.28	4.35	1.25	0.04	0.00
1.80	1.23	0.04	**1.29**	4.40	1.25	0.04	0.00
1.85	1.24	0.04	1.29	4.45	1.25	0.04	0.00
1.90	1.24	0.04	1.26	4.50	1.25	0.04	0.00
1.95	1.25	0.04	1.22	4.55	1.25	0.04	0.00
2.00	**1.25**	**0.04**	1.14	4.60	1.25	0.04	0.00
2.05	1.25	0.04	1.04	4.65	1.25	0.04	0.00
2.10	1.25	0.04	0.93	4.70	1.25	0.04	0.00
2.15	1.25	0.04	0.81	4.75	1.25	0.04	0.00
2.20	1.25	0.04	0.70	4.80	1.25	0.04	0.00
2.25	1.25	0.04	0.58	4.85	1.25	0.04	0.00
2.30	1.25	0.04	0.48	4.90	1.25	0.04	0.00
2.35	1.25	0.04	0.38	4.95	1.25	0.04	0.00
2.40	1.25	0.04	0.29	5.00	1.25	0.04	0.00
2.45	1.25	0.04	0.22	5.05	1.25	0.04	0.00
2.50	1.25	0.04	0.17	5.10	1.25	0.04	0.00
2.55	1.25	0.04	0.13	5.15	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.04	0.00	7.80	1.25	0.04	0.00
5.25	1.25	0.04	0.00	7.85	1.25	0.04	0.00
5.30	1.25	0.04	0.00	7.90	1.25	0.04	0.00
5.35	1.25	0.04	0.00	7.95	1.25	0.04	0.00
5.40	1.25	0.04	0.00	8.00	1.25	0.04	0.00
5.45	1.25	0.04	0.00	8.05	1.25	0.04	0.00
5.50	1.25	0.04	0.00	8.10	1.25	0.04	0.00
5.55	1.25	0.04	0.00	8.15	1.25	0.04	0.00
5.60	1.25	0.04	0.00	8.20	1.25	0.04	0.00
5.65	1.25	0.04	0.00	8.25	1.25	0.04	0.00
5.70	1.25	0.04	0.00	8.30	1.25	0.04	0.00
5.75	1.25	0.04	0.00	8.35	1.25	0.04	0.00
5.80	1.25	0.04	0.00	8.40	1.25	0.04	0.00
5.85	1.25	0.04	0.00	8.45	1.25	0.04	0.00
5.90	1.25	0.04	0.00	8.50	1.25	0.04	0.00
5.95	1.25	0.04	0.00	8.55	1.25	0.04	0.00
6.00	1.25	0.04	0.00	8.60	1.25	0.04	0.00
6.05	1.25	0.04	0.00	8.65	1.25	0.04	0.00
6.10	1.25	0.04	0.00	8.70	1.25	0.04	0.00
6.15	1.25	0.04	0.00	8.75	1.25	0.04	0.00
6.20	1.25	0.04	0.00	8.80	1.25	0.04	0.00
6.25	1.25	0.04	0.00	8.85	1.25	0.04	0.00
6.30	1.25	0.04	0.00	8.90	1.25	0.04	0.00
6.35	1.25	0.04	0.00	8.95	1.25	0.04	0.00
6.40	1.25	0.04	0.00	9.00	1.25	0.04	0.00
6.45	1.25	0.04	0.00	9.05	1.25	0.04	0.00
6.50	1.25	0.04	0.00	9.10	1.25	0.04	0.00
6.55	1.25	0.04	0.00	9.15	1.25	0.04	0.00
6.60	1.25	0.04	0.00	9.20	1.25	0.04	0.00
6.65	1.25	0.04	0.00	9.25	1.25	0.04	0.00
6.70	1.25	0.04	0.00	9.30	1.25	0.04	0.00
6.75	1.25	0.04	0.00	9.35	1.25	0.04	0.00
6.80	1.25	0.04	0.00	9.40	1.25	0.04	0.00
6.85	1.25	0.04	0.00	9.45	1.25	0.04	0.00
6.90	1.25	0.04	0.00	9.50	1.25	0.04	0.00
6.95	1.25	0.04	0.00	9.55	1.25	0.04	0.00
7.00	1.25	0.04	0.00	9.60	1.25	0.04	0.00
7.05	1.25	0.04	0.00	9.65	1.25	0.04	0.00
7.10	1.25	0.04	0.00	9.70	1.25	0.04	0.00
7.15	1.25	0.04	0.00	9.75	1.25	0.04	0.00
7.20	1.25	0.04	0.00	9.80	1.25	0.04	0.00
7.25	1.25	0.04	0.00	9.85	1.25	0.04	0.00
7.30	1.25	0.04	0.00	9.90	1.25	0.04	0.00
7.35	1.25	0.04	0.00	9.95	1.25	0.04	0.00
7.40	1.25	0.04	0.00	10.00	1.25	0.04	0.00
7.45	1.25	0.04	0.00	10.05	1.25	0.04	0.00
7.50	1.25	0.04	0.00	10.10	1.25	0.04	0.00
7.55	1.25	0.04	0.00	10.15	1.25	0.04	0.00
7.60	1.25	0.04	0.00	10.20	1.25	0.04	0.00
7.65	1.25	0.04	0.00	10.25	1.25	0.04	0.00
7.70	1.25	0.04	0.00	10.30	1.25	0.04	0.00
7.75	1.25	0.04	0.00	10.35	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.04	0.00	13.00	1.25	0.04	0.00
10.45	1.25	0.04	0.00	13.05	1.25	0.04	0.00
10.50	1.25	0.04	0.00	13.10	1.25	0.04	0.00
10.55	1.25	0.04	0.00	13.15	1.25	0.04	0.00
10.60	1.25	0.04	0.00	13.20	1.25	0.04	0.00
10.65	1.25	0.04	0.00	13.25	1.25	0.04	0.00
10.70	1.25	0.04	0.00	13.30	1.25	0.04	0.00
10.75	1.25	0.04	0.00	13.35	1.25	0.04	0.00
10.80	1.25	0.04	0.00	13.40	1.25	0.04	0.00
10.85	1.25	0.04	0.00	13.45	1.25	0.04	0.00
10.90	1.25	0.04	0.00	13.50	1.25	0.04	0.00
10.95	1.25	0.04	0.00	13.55	1.25	0.04	0.00
11.00	1.25	0.04	0.00	13.60	1.25	0.04	0.00
11.05	1.25	0.04	0.00	13.65	1.25	0.04	0.00
11.10	1.25	0.04	0.00	13.70	1.25	0.04	0.00
11.15	1.25	0.04	0.00	13.75	1.25	0.04	0.00
11.20	1.25	0.04	0.00	13.80	1.25	0.04	0.00
11.25	1.25	0.04	0.00	13.85	1.25	0.04	0.00
11.30	1.25	0.04	0.00	13.90	1.25	0.04	0.00
11.35	1.25	0.04	0.00	13.95	1.25	0.04	0.00
11.40	1.25	0.04	0.00	14.00	1.25	0.04	0.00
11.45	1.25	0.04	0.00	14.05	1.25	0.04	0.00
11.50	1.25	0.04	0.00	14.10	1.25	0.04	0.00
11.55	1.25	0.04	0.00	14.15	1.25	0.04	0.00
11.60	1.25	0.04	0.00	14.20	1.25	0.04	0.00
11.65	1.25	0.04	0.00	14.25	1.25	0.04	0.00
11.70	1.25	0.04	0.00	14.30	1.25	0.04	0.00
11.75	1.25	0.04	0.00	14.35	1.25	0.04	0.00
11.80	1.25	0.04	0.00	14.40	1.25	0.04	0.00
11.85	1.25	0.04	0.00	14.45	1.25	0.04	0.00
11.90	1.25	0.04	0.00	14.50	1.25	0.04	0.00
11.95	1.25	0.04	0.00	14.55	1.25	0.04	0.00
12.00	1.25	0.04	0.00	14.60	1.25	0.04	0.00
12.05	1.25	0.04	0.00	14.65	1.25	0.04	0.00
12.10	1.25	0.04	0.00	14.70	1.25	0.04	0.00
12.15	1.25	0.04	0.00	14.75	1.25	0.04	0.00
12.20	1.25	0.04	0.00	14.80	1.25	0.04	0.00
12.25	1.25	0.04	0.00	14.85	1.25	0.04	0.00
12.30	1.25	0.04	0.00	14.90	1.25	0.04	0.00
12.35	1.25	0.04	0.00	14.95	1.25	0.04	0.00
12.40	1.25	0.04	0.00	15.00	1.25	0.04	0.00
12.45	1.25	0.04	0.00	15.05	1.25	0.04	0.00
12.50	1.25	0.04	0.00	15.10	1.25	0.04	0.00
12.55	1.25	0.04	0.00	15.15	1.25	0.04	0.00
12.60	1.25	0.04	0.00	15.20	1.25	0.04	0.00
12.65	1.25	0.04	0.00	15.25	1.25	0.04	0.00
12.70	1.25	0.04	0.00	15.30	1.25	0.04	0.00
12.75	1.25	0.04	0.00	15.35	1.25	0.04	0.00
12.80	1.25	0.04	0.00	15.40	1.25	0.04	0.00
12.85	1.25	0.04	0.00	15.45	1.25	0.04	0.00
12.90	1.25	0.04	0.00	15.50	1.25	0.04	0.00
12.95	1.25	0.04	0.00	15.55	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.04	0.00	18.20	1.25	0.04	0.00
15.65	1.25	0.04	0.00	18.25	1.25	0.04	0.00
15.70	1.25	0.04	0.00	18.30	1.25	0.04	0.00
15.75	1.25	0.04	0.00	18.35	1.25	0.04	0.00
15.80	1.25	0.04	0.00	18.40	1.25	0.04	0.00
15.85	1.25	0.04	0.00	18.45	1.25	0.04	0.00
15.90	1.25	0.04	0.00	18.50	1.25	0.04	0.00
15.95	1.25	0.04	0.00	18.55	1.25	0.04	0.00
16.00	1.25	0.04	0.00	18.60	1.25	0.04	0.00
16.05	1.25	0.04	0.00	18.65	1.25	0.04	0.00
16.10	1.25	0.04	0.00	18.70	1.25	0.04	0.00
16.15	1.25	0.04	0.00	18.75	1.25	0.04	0.00
16.20	1.25	0.04	0.00	18.80	1.25	0.04	0.00
16.25	1.25	0.04	0.00	18.85	1.25	0.04	0.00
16.30	1.25	0.04	0.00	18.90	1.25	0.04	0.00
16.35	1.25	0.04	0.00	18.95	1.25	0.04	0.00
16.40	1.25	0.04	0.00	19.00	1.25	0.04	0.00
16.45	1.25	0.04	0.00	19.05	1.25	0.04	0.00
16.50	1.25	0.04	0.00	19.10	1.25	0.04	0.00
16.55	1.25	0.04	0.00	19.15	1.25	0.04	0.00
16.60	1.25	0.04	0.00	19.20	1.25	0.04	0.00
16.65	1.25	0.04	0.00	19.25	1.25	0.04	0.00
16.70	1.25	0.04	0.00	19.30	1.25	0.04	0.00
16.75	1.25	0.04	0.00	19.35	1.25	0.04	0.00
16.80	1.25	0.04	0.00	19.40	1.25	0.04	0.00
16.85	1.25	0.04	0.00	19.45	1.25	0.04	0.00
16.90	1.25	0.04	0.00	19.50	1.25	0.04	0.00
16.95	1.25	0.04	0.00	19.55	1.25	0.04	0.00
17.00	1.25	0.04	0.00	19.60	1.25	0.04	0.00
17.05	1.25	0.04	0.00	19.65	1.25	0.04	0.00
17.10	1.25	0.04	0.00	19.70	1.25	0.04	0.00
17.15	1.25	0.04	0.00	19.75	1.25	0.04	0.00
17.20	1.25	0.04	0.00	19.80	1.25	0.04	0.00
17.25	1.25	0.04	0.00	19.85	1.25	0.04	0.00
17.30	1.25	0.04	0.00	19.90	1.25	0.04	0.00
17.35	1.25	0.04	0.00	19.95	1.25	0.04	0.00
17.40	1.25	0.04	0.00	20.00	1.25	0.04	0.00
17.45	1.25	0.04	0.00	20.05	1.25	0.04	0.00
17.50	1.25	0.04	0.00	20.10	1.25	0.04	0.00
17.55	1.25	0.04	0.00	20.15	1.25	0.04	0.00
17.60	1.25	0.04	0.00	20.20	1.25	0.04	0.00
17.65	1.25	0.04	0.00	20.25	1.25	0.04	0.00
17.70	1.25	0.04	0.00	20.30	1.25	0.04	0.00
17.75	1.25	0.04	0.00	20.35	1.25	0.04	0.00
17.80	1.25	0.04	0.00	20.40	1.25	0.04	0.00
17.85	1.25	0.04	0.00	20.45	1.25	0.04	0.00
17.90	1.25	0.04	0.00	20.50	1.25	0.04	0.00
17.95	1.25	0.04	0.00	20.55	1.25	0.04	0.00
18.00	1.25	0.04	0.00	20.60	1.25	0.04	0.00
18.05	1.25	0.04	0.00	20.65	1.25	0.04	0.00
18.10	1.25	0.04	0.00	20.70	1.25	0.04	0.00
18.15	1.25	0.04	0.00	20.75	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.04	0.00	23.40	1.25	0.04	0.00
20.85	1.25	0.04	0.00	23.45	1.25	0.04	0.00
20.90	1.25	0.04	0.00	23.50	1.25	0.04	0.00
20.95	1.25	0.04	0.00	23.55	1.25	0.04	0.00
21.00	1.25	0.04	0.00	23.60	1.25	0.04	0.00
21.05	1.25	0.04	0.00	23.65	1.25	0.04	0.00
21.10	1.25	0.04	0.00	23.70	1.25	0.04	0.00
21.15	1.25	0.04	0.00	23.75	1.25	0.04	0.00
21.20	1.25	0.04	0.00	23.80	1.25	0.04	0.00
21.25	1.25	0.04	0.00	23.85	1.25	0.04	0.00
21.30	1.25	0.04	0.00	23.90	1.25	0.04	0.00
21.35	1.25	0.04	0.00	23.95	1.25	0.04	0.00
21.40	1.25	0.04	0.00	24.00	1.25	0.04	0.00
21.45	1.25	0.04	0.00	24.05	1.25	0.04	0.00
21.50	1.25	0.04	0.00	24.10	1.25	0.04	0.00
21.55	1.25	0.04	0.00	24.15	1.25	0.04	0.00
21.60	1.25	0.04	0.00	24.20	1.25	0.04	0.00
21.65	1.25	0.04	0.00	24.25	1.25	0.04	0.00
21.70	1.25	0.04	0.00	24.30	1.25	0.04	0.00
21.75	1.25	0.04	0.00	24.35	1.25	0.04	0.00
21.80	1.25	0.04	0.00	24.40	1.25	0.04	0.00
21.85	1.25	0.04	0.00	24.45	1.25	0.04	0.00
21.90	1.25	0.04	0.00	24.50	1.25	0.04	0.00
21.95	1.25	0.04	0.00	24.55	1.25	0.04	0.00
22.00	1.25	0.04	0.00	24.60	1.25	0.04	0.00
22.05	1.25	0.04	0.00	24.65	1.25	0.04	0.00
22.10	1.25	0.04	0.00	24.70	1.25	0.04	0.00
22.15	1.25	0.04	0.00	24.75	1.25	0.04	0.00
22.20	1.25	0.04	0.00	24.80	1.25	0.04	0.00
22.25	1.25	0.04	0.00	24.85	1.25	0.04	0.00
22.30	1.25	0.04	0.00	24.90	1.25	0.04	0.00
22.35	1.25	0.04	0.00	24.95	1.25	0.04	0.00
22.40	1.25	0.04	0.00	25.00	1.25	0.04	0.00
22.45	1.25	0.04	0.00	25.05	1.25	0.04	0.00
22.50	1.25	0.04	0.00	25.10	1.25	0.04	0.00
22.55	1.25	0.04	0.00	25.15	1.25	0.04	0.00
22.60	1.25	0.04	0.00	25.20	1.25	0.04	0.00
22.65	1.25	0.04	0.00	25.25	1.25	0.04	0.00
22.70	1.25	0.04	0.00	25.30	1.25	0.04	0.00
22.75	1.25	0.04	0.00	25.35	1.25	0.04	0.00
22.80	1.25	0.04	0.00	25.40	1.25	0.04	0.00
22.85	1.25	0.04	0.00	25.45	1.25	0.04	0.00
22.90	1.25	0.04	0.00	25.50	1.25	0.04	0.00
22.95	1.25	0.04	0.00	25.55	1.25	0.04	0.00
23.00	1.25	0.04	0.00	25.60	1.25	0.04	0.00
23.05	1.25	0.04	0.00	25.65	1.25	0.04	0.00
23.10	1.25	0.04	0.00	25.70	1.25	0.04	0.00
23.15	1.25	0.04	0.00	25.75	1.25	0.04	0.00
23.20	1.25	0.04	0.00	25.80	1.25	0.04	0.00
23.25	1.25	0.04	0.00	25.85	1.25	0.04	0.00
23.30	1.25	0.04	0.00	25.90	1.25	0.04	0.00
23.35	1.25	0.04	0.00	25.95	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.04	0.00	28.60	1.25	0.04	0.00
26.05	1.25	0.04	0.00	28.65	1.25	0.04	0.00
26.10	1.25	0.04	0.00	28.70	1.25	0.04	0.00
26.15	1.25	0.04	0.00	28.75	1.25	0.04	0.00
26.20	1.25	0.04	0.00	28.80	1.25	0.04	0.00
26.25	1.25	0.04	0.00	28.85	1.25	0.04	0.00
26.30	1.25	0.04	0.00	28.90	1.25	0.04	0.00
26.35	1.25	0.04	0.00	28.95	1.25	0.04	0.00
26.40	1.25	0.04	0.00	29.00	1.25	0.04	0.00
26.45	1.25	0.04	0.00	29.05	1.25	0.04	0.00
26.50	1.25	0.04	0.00	29.10	1.25	0.04	0.00
26.55	1.25	0.04	0.00	29.15	1.25	0.04	0.00
26.60	1.25	0.04	0.00	29.20	1.25	0.04	0.00
26.65	1.25	0.04	0.00	29.25	1.25	0.04	0.00
26.70	1.25	0.04	0.00	29.30	1.25	0.04	0.00
26.75	1.25	0.04	0.00	29.35	1.25	0.04	0.00
26.80	1.25	0.04	0.00	29.40	1.25	0.04	0.00
26.85	1.25	0.04	0.00	29.45	1.25	0.04	0.00
26.90	1.25	0.04	0.00	29.50	1.25	0.04	0.00
26.95	1.25	0.04	0.00	29.55	1.25	0.04	0.00
27.00	1.25	0.04	0.00	29.60	1.25	0.04	0.00
27.05	1.25	0.04	0.00	29.65	1.25	0.04	0.00
27.10	1.25	0.04	0.00	29.70	1.25	0.04	0.00
27.15	1.25	0.04	0.00	29.75	1.25	0.04	0.00
27.20	1.25	0.04	0.00	29.80	1.25	0.04	0.00
27.25	1.25	0.04	0.00	29.85	1.25	0.04	0.00
27.30	1.25	0.04	0.00	29.90	1.25	0.04	0.00
27.35	1.25	0.04	0.00	29.95	1.25	0.04	0.00
27.40	1.25	0.04	0.00	30.00	1.25	0.04	0.00
27.45	1.25	0.04	0.00	30.05	1.25	0.04	0.00
27.50	1.25	0.04	0.00	30.10	1.25	0.04	0.00
27.55	1.25	0.04	0.00	30.15	1.25	0.04	0.00
27.60	1.25	0.04	0.00	30.20	1.25	0.04	0.00
27.65	1.25	0.04	0.00	30.25	1.25	0.04	0.00
27.70	1.25	0.04	0.00	30.30	1.25	0.04	0.00
27.75	1.25	0.04	0.00	30.35	1.25	0.04	0.00
27.80	1.25	0.04	0.00	30.40	1.25	0.04	0.00
27.85	1.25	0.04	0.00	30.45	1.25	0.04	0.00
27.90	1.25	0.04	0.00	30.50	1.25	0.04	0.00
27.95	1.25	0.04	0.00	30.55	1.25	0.04	0.00
28.00	1.25	0.04	0.00	30.60	1.25	0.04	0.00
28.05	1.25	0.04	0.00	30.65	1.25	0.04	0.00
28.10	1.25	0.04	0.00	30.70	1.25	0.04	0.00
28.15	1.25	0.04	0.00	30.75	1.25	0.04	0.00
28.20	1.25	0.04	0.00	30.80	1.25	0.04	0.00
28.25	1.25	0.04	0.00	30.85	1.25	0.04	0.00
28.30	1.25	0.04	0.00	30.90	1.25	0.04	0.00
28.35	1.25	0.04	0.00	30.95	1.25	0.04	0.00
28.40	1.25	0.04	0.00	31.00	1.25	0.04	0.00
28.45	1.25	0.04	0.00	31.05	1.25	0.04	0.00
28.50	1.25	0.04	0.00	31.10	1.25	0.04	0.00
28.55	1.25	0.04	0.00	31.15	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.04	0.00	33.80	1.25	0.04	0.00
31.25	1.25	0.04	0.00	33.85	1.25	0.04	0.00
31.30	1.25	0.04	0.00	33.90	1.25	0.04	0.00
31.35	1.25	0.04	0.00	33.95	1.25	0.04	0.00
31.40	1.25	0.04	0.00	34.00	1.25	0.04	0.00
31.45	1.25	0.04	0.00	34.05	1.25	0.04	0.00
31.50	1.25	0.04	0.00	34.10	1.25	0.04	0.00
31.55	1.25	0.04	0.00	34.15	1.25	0.04	0.00
31.60	1.25	0.04	0.00	34.20	1.25	0.04	0.00
31.65	1.25	0.04	0.00	34.25	1.25	0.04	0.00
31.70	1.25	0.04	0.00	34.30	1.25	0.04	0.00
31.75	1.25	0.04	0.00	34.35	1.25	0.04	0.00
31.80	1.25	0.04	0.00	34.40	1.25	0.04	0.00
31.85	1.25	0.04	0.00	34.45	1.25	0.04	0.00
31.90	1.25	0.04	0.00	34.50	1.25	0.04	0.00
31.95	1.25	0.04	0.00	34.55	1.25	0.04	0.00
32.00	1.25	0.04	0.00	34.60	1.25	0.04	0.00
32.05	1.25	0.04	0.00	34.65	1.25	0.04	0.00
32.10	1.25	0.04	0.00	34.70	1.25	0.04	0.00
32.15	1.25	0.04	0.00	34.75	1.25	0.04	0.00
32.20	1.25	0.04	0.00	34.80	1.25	0.04	0.00
32.25	1.25	0.04	0.00	34.85	1.25	0.04	0.00
32.30	1.25	0.04	0.00	34.90	1.25	0.04	0.00
32.35	1.25	0.04	0.00	34.95	1.25	0.04	0.00
32.40	1.25	0.04	0.00	35.00	1.25	0.04	0.00
32.45	1.25	0.04	0.00	35.05	1.25	0.04	0.00
32.50	1.25	0.04	0.00	35.10	1.25	0.04	0.00
32.55	1.25	0.04	0.00	35.15	1.25	0.04	0.00
32.60	1.25	0.04	0.00	35.20	1.25	0.04	0.00
32.65	1.25	0.04	0.00	35.25	1.25	0.04	0.00
32.70	1.25	0.04	0.00	35.30	1.25	0.04	0.00
32.75	1.25	0.04	0.00	35.35	1.25	0.04	0.00
32.80	1.25	0.04	0.00	35.40	1.25	0.04	0.00
32.85	1.25	0.04	0.00	35.45	1.25	0.04	0.00
32.90	1.25	0.04	0.00	35.50	1.25	0.04	0.00
32.95	1.25	0.04	0.00	35.55	1.25	0.04	0.00
33.00	1.25	0.04	0.00	35.60	1.25	0.04	0.00
33.05	1.25	0.04	0.00	35.65	1.25	0.04	0.00
33.10	1.25	0.04	0.00	35.70	1.25	0.04	0.00
33.15	1.25	0.04	0.00	35.75	1.25	0.04	0.00
33.20	1.25	0.04	0.00	35.80	1.25	0.04	0.00
33.25	1.25	0.04	0.00	35.85	1.25	0.04	0.00
33.30	1.25	0.04	0.00	35.90	1.25	0.04	0.00
33.35	1.25	0.04	0.00	35.95	1.25	0.04	0.00
33.40	1.25	0.04	0.00	36.00	1.25	0.04	0.00
33.45	1.25	0.04	0.00	36.05	1.25	0.04	0.00
33.50	1.25	0.04	0.00	36.10	1.25	0.04	0.00
33.55	1.25	0.04	0.00	36.15	1.25	0.04	0.00
33.60	1.25	0.04	0.00	36.20	1.25	0.04	0.00
33.65	1.25	0.04	0.00	36.25	1.25	0.04	0.00
33.70	1.25	0.04	0.00	36.30	1.25	0.04	0.00
33.75	1.25	0.04	0.00	36.35	1.25	0.04	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.04	0.00
36.45	1.25	0.04	0.00
36.50	1.25	0.04	0.00
36.55	1.25	0.04	0.00
36.60	1.25	0.04	0.00
36.65	1.25	0.04	0.00
36.70	1.25	0.04	0.00
36.75	1.25	0.04	0.00
36.80	1.25	0.04	0.00
36.85	1.25	0.04	0.00
36.90	1.25	0.04	0.00
36.95	1.25	0.04	0.00
37.00	1.25	0.04	0.00
37.05	1.25	0.04	0.00
37.10	1.25	0.04	0.00
37.15	1.25	0.04	0.00
37.20	1.25	0.04	0.00
37.25	1.25	0.04	0.00
37.30	1.25	0.04	0.00
37.35	1.25	0.04	0.00
37.40	1.25	0.04	0.00
37.45	1.25	0.04	0.00
37.50	1.25	0.04	0.00
37.55	1.25	0.04	0.00
37.60	1.25	0.04	0.00
37.65	1.25	0.04	0.00
37.70	1.25	0.04	0.00
37.75	1.25	0.04	0.00
37.80	1.25	0.04	0.00
37.85	1.25	0.04	0.00
37.90	1.25	0.04	0.00
37.95	1.25	0.04	0.00
38.00	1.25	0.04	0.00
38.05	1.25	0.04	0.00
38.10	1.25	0.04	0.00
38.15	1.25	0.04	0.00
38.20	1.25	0.04	0.00
38.25	1.25	0.04	0.00
38.30	1.25	0.04	0.00
38.35	1.25	0.04	0.00
38.40	1.25	0.04	0.00
38.45	1.25	0.04	0.00
38.50	1.25	0.04	0.00
38.55	1.25	0.04	0.00
38.60	1.25	0.04	0.00
38.65	1.25	0.04	0.00
38.70	1.25	0.04	0.00
38.75	1.25	0.04	0.00
38.80	1.25	0.04	0.00
38.85	1.25	0.04	0.00
38.90	1.25	0.04	0.00
38.95	1.25	0.04	0.00
39.00	1.25	0.04	0.00
39.05	1.25	0.04	0.00
39.10	1.25	0.04	0.00
39.15	1.25	0.04	0.00
39.20	1.25	0.04	0.00
39.25	1.25	0.04	0.00
39.30	1.25	0.04	0.00
39.35	1.25	0.04	0.00
39.40	1.25	0.04	0.00
39.45	1.25	0.04	0.00
39.50	1.25	0.04	0.00
39.55	1.25	0.04	0.00
39.60	1.25	0.04	0.00
39.65	1.25	0.04	0.00
39.70	1.25	0.04	0.00
39.75	1.25	0.04	0.00
39.80	1.25	0.04	0.00
39.85	1.25	0.04	0.00
39.90	1.25	0.04	0.00
39.95	1.25	0.04	0.00
40.00	1.25	0.04	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

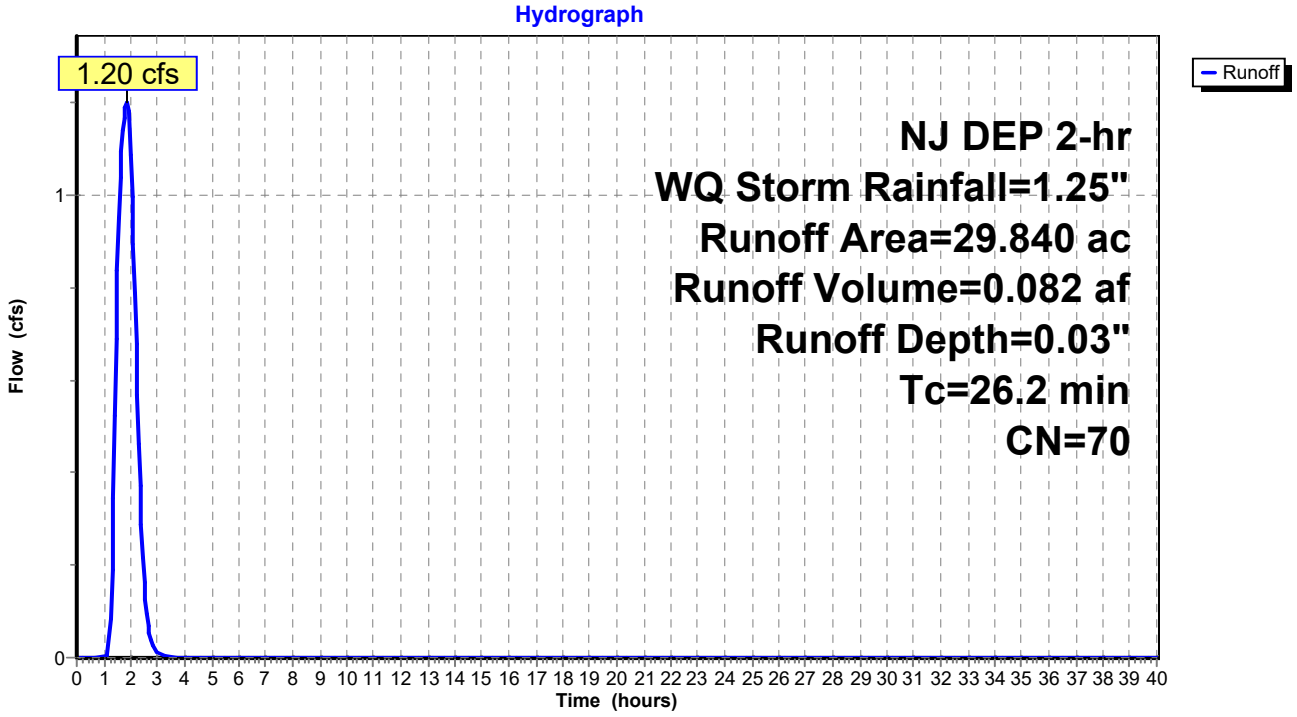
Runoff = 1.20 cfs @ 1.85 hrs, Volume= 0.082 af, Depth= 0.03"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.03	0.09
0.05	0.00	0.00	0.00	2.65	1.25	0.03	0.07
0.10	0.01	0.00	0.00	2.70	1.25	0.03	0.05
0.15	0.01	0.00	0.00	2.75	1.25	0.03	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.03	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.03	0.02
0.30	0.04	0.00	0.00	2.90	1.25	0.03	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.03	0.01
0.40	0.07	0.00	0.00	3.00	1.25	0.03	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.03	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.03	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.03	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.03	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.03	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.03	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.03	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.03	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.03	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.03	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.03	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.03	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.03	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.03	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.03	0.00
1.20	1.02	0.01	0.03	3.80	1.25	0.03	0.00
1.25	1.05	0.01	0.08	3.85	1.25	0.03	0.00
1.30	1.07	0.01	0.19	3.90	1.25	0.03	0.00
1.35	1.09	0.01	0.35	3.95	1.25	0.03	0.00
1.40	1.11	0.01	0.52	4.00	1.25	0.03	0.00
1.45	1.13	0.02	0.69	4.05	1.25	0.03	0.00
1.50	1.15	0.02	0.84	4.10	1.25	0.03	0.00
1.55	1.17	0.02	0.95	4.15	1.25	0.03	0.00
1.60	1.18	0.02	1.04	4.20	1.25	0.03	0.00
1.65	1.20	0.02	1.10	4.25	1.25	0.03	0.00
1.70	1.21	0.03	1.14	4.30	1.25	0.03	0.00
1.75	1.23	0.03	1.17	4.35	1.25	0.03	0.00
1.80	1.23	0.03	1.19	4.40	1.25	0.03	0.00
1.85	1.24	0.03	**1.20**	4.45	1.25	0.03	0.00
1.90	1.24	0.03	1.19	4.50	1.25	0.03	0.00
1.95	1.25	0.03	1.16	4.55	1.25	0.03	0.00
2.00	**1.25**	**0.03**	1.09	4.60	1.25	0.03	0.00
2.05	1.25	0.03	1.00	4.65	1.25	0.03	0.00
2.10	1.25	0.03	0.90	4.70	1.25	0.03	0.00
2.15	1.25	0.03	0.79	4.75	1.25	0.03	0.00
2.20	1.25	0.03	0.68	4.80	1.25	0.03	0.00
2.25	1.25	0.03	0.57	4.85	1.25	0.03	0.00
2.30	1.25	0.03	0.46	4.90	1.25	0.03	0.00
2.35	1.25	0.03	0.37	4.95	1.25	0.03	0.00
2.40	1.25	0.03	0.29	5.00	1.25	0.03	0.00
2.45	1.25	0.03	0.22	5.05	1.25	0.03	0.00
2.50	1.25	0.03	0.16	5.10	1.25	0.03	0.00
2.55	1.25	0.03	0.12	5.15	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.03	0.00	7.80	1.25	0.03	0.00
5.25	1.25	0.03	0.00	7.85	1.25	0.03	0.00
5.30	1.25	0.03	0.00	7.90	1.25	0.03	0.00
5.35	1.25	0.03	0.00	7.95	1.25	0.03	0.00
5.40	1.25	0.03	0.00	8.00	1.25	0.03	0.00
5.45	1.25	0.03	0.00	8.05	1.25	0.03	0.00
5.50	1.25	0.03	0.00	8.10	1.25	0.03	0.00
5.55	1.25	0.03	0.00	8.15	1.25	0.03	0.00
5.60	1.25	0.03	0.00	8.20	1.25	0.03	0.00
5.65	1.25	0.03	0.00	8.25	1.25	0.03	0.00
5.70	1.25	0.03	0.00	8.30	1.25	0.03	0.00
5.75	1.25	0.03	0.00	8.35	1.25	0.03	0.00
5.80	1.25	0.03	0.00	8.40	1.25	0.03	0.00
5.85	1.25	0.03	0.00	8.45	1.25	0.03	0.00
5.90	1.25	0.03	0.00	8.50	1.25	0.03	0.00
5.95	1.25	0.03	0.00	8.55	1.25	0.03	0.00
6.00	1.25	0.03	0.00	8.60	1.25	0.03	0.00
6.05	1.25	0.03	0.00	8.65	1.25	0.03	0.00
6.10	1.25	0.03	0.00	8.70	1.25	0.03	0.00
6.15	1.25	0.03	0.00	8.75	1.25	0.03	0.00
6.20	1.25	0.03	0.00	8.80	1.25	0.03	0.00
6.25	1.25	0.03	0.00	8.85	1.25	0.03	0.00
6.30	1.25	0.03	0.00	8.90	1.25	0.03	0.00
6.35	1.25	0.03	0.00	8.95	1.25	0.03	0.00
6.40	1.25	0.03	0.00	9.00	1.25	0.03	0.00
6.45	1.25	0.03	0.00	9.05	1.25	0.03	0.00
6.50	1.25	0.03	0.00	9.10	1.25	0.03	0.00
6.55	1.25	0.03	0.00	9.15	1.25	0.03	0.00
6.60	1.25	0.03	0.00	9.20	1.25	0.03	0.00
6.65	1.25	0.03	0.00	9.25	1.25	0.03	0.00
6.70	1.25	0.03	0.00	9.30	1.25	0.03	0.00
6.75	1.25	0.03	0.00	9.35	1.25	0.03	0.00
6.80	1.25	0.03	0.00	9.40	1.25	0.03	0.00
6.85	1.25	0.03	0.00	9.45	1.25	0.03	0.00
6.90	1.25	0.03	0.00	9.50	1.25	0.03	0.00
6.95	1.25	0.03	0.00	9.55	1.25	0.03	0.00
7.00	1.25	0.03	0.00	9.60	1.25	0.03	0.00
7.05	1.25	0.03	0.00	9.65	1.25	0.03	0.00
7.10	1.25	0.03	0.00	9.70	1.25	0.03	0.00
7.15	1.25	0.03	0.00	9.75	1.25	0.03	0.00
7.20	1.25	0.03	0.00	9.80	1.25	0.03	0.00
7.25	1.25	0.03	0.00	9.85	1.25	0.03	0.00
7.30	1.25	0.03	0.00	9.90	1.25	0.03	0.00
7.35	1.25	0.03	0.00	9.95	1.25	0.03	0.00
7.40	1.25	0.03	0.00	10.00	1.25	0.03	0.00
7.45	1.25	0.03	0.00	10.05	1.25	0.03	0.00
7.50	1.25	0.03	0.00	10.10	1.25	0.03	0.00
7.55	1.25	0.03	0.00	10.15	1.25	0.03	0.00
7.60	1.25	0.03	0.00	10.20	1.25	0.03	0.00
7.65	1.25	0.03	0.00	10.25	1.25	0.03	0.00
7.70	1.25	0.03	0.00	10.30	1.25	0.03	0.00
7.75	1.25	0.03	0.00	10.35	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.03	0.00	13.00	1.25	0.03	0.00
10.45	1.25	0.03	0.00	13.05	1.25	0.03	0.00
10.50	1.25	0.03	0.00	13.10	1.25	0.03	0.00
10.55	1.25	0.03	0.00	13.15	1.25	0.03	0.00
10.60	1.25	0.03	0.00	13.20	1.25	0.03	0.00
10.65	1.25	0.03	0.00	13.25	1.25	0.03	0.00
10.70	1.25	0.03	0.00	13.30	1.25	0.03	0.00
10.75	1.25	0.03	0.00	13.35	1.25	0.03	0.00
10.80	1.25	0.03	0.00	13.40	1.25	0.03	0.00
10.85	1.25	0.03	0.00	13.45	1.25	0.03	0.00
10.90	1.25	0.03	0.00	13.50	1.25	0.03	0.00
10.95	1.25	0.03	0.00	13.55	1.25	0.03	0.00
11.00	1.25	0.03	0.00	13.60	1.25	0.03	0.00
11.05	1.25	0.03	0.00	13.65	1.25	0.03	0.00
11.10	1.25	0.03	0.00	13.70	1.25	0.03	0.00
11.15	1.25	0.03	0.00	13.75	1.25	0.03	0.00
11.20	1.25	0.03	0.00	13.80	1.25	0.03	0.00
11.25	1.25	0.03	0.00	13.85	1.25	0.03	0.00
11.30	1.25	0.03	0.00	13.90	1.25	0.03	0.00
11.35	1.25	0.03	0.00	13.95	1.25	0.03	0.00
11.40	1.25	0.03	0.00	14.00	1.25	0.03	0.00
11.45	1.25	0.03	0.00	14.05	1.25	0.03	0.00
11.50	1.25	0.03	0.00	14.10	1.25	0.03	0.00
11.55	1.25	0.03	0.00	14.15	1.25	0.03	0.00
11.60	1.25	0.03	0.00	14.20	1.25	0.03	0.00
11.65	1.25	0.03	0.00	14.25	1.25	0.03	0.00
11.70	1.25	0.03	0.00	14.30	1.25	0.03	0.00
11.75	1.25	0.03	0.00	14.35	1.25	0.03	0.00
11.80	1.25	0.03	0.00	14.40	1.25	0.03	0.00
11.85	1.25	0.03	0.00	14.45	1.25	0.03	0.00
11.90	1.25	0.03	0.00	14.50	1.25	0.03	0.00
11.95	1.25	0.03	0.00	14.55	1.25	0.03	0.00
12.00	1.25	0.03	0.00	14.60	1.25	0.03	0.00
12.05	1.25	0.03	0.00	14.65	1.25	0.03	0.00
12.10	1.25	0.03	0.00	14.70	1.25	0.03	0.00
12.15	1.25	0.03	0.00	14.75	1.25	0.03	0.00
12.20	1.25	0.03	0.00	14.80	1.25	0.03	0.00
12.25	1.25	0.03	0.00	14.85	1.25	0.03	0.00
12.30	1.25	0.03	0.00	14.90	1.25	0.03	0.00
12.35	1.25	0.03	0.00	14.95	1.25	0.03	0.00
12.40	1.25	0.03	0.00	15.00	1.25	0.03	0.00
12.45	1.25	0.03	0.00	15.05	1.25	0.03	0.00
12.50	1.25	0.03	0.00	15.10	1.25	0.03	0.00
12.55	1.25	0.03	0.00	15.15	1.25	0.03	0.00
12.60	1.25	0.03	0.00	15.20	1.25	0.03	0.00
12.65	1.25	0.03	0.00	15.25	1.25	0.03	0.00
12.70	1.25	0.03	0.00	15.30	1.25	0.03	0.00
12.75	1.25	0.03	0.00	15.35	1.25	0.03	0.00
12.80	1.25	0.03	0.00	15.40	1.25	0.03	0.00
12.85	1.25	0.03	0.00	15.45	1.25	0.03	0.00
12.90	1.25	0.03	0.00	15.50	1.25	0.03	0.00
12.95	1.25	0.03	0.00	15.55	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.03	0.00	18.20	1.25	0.03	0.00
15.65	1.25	0.03	0.00	18.25	1.25	0.03	0.00
15.70	1.25	0.03	0.00	18.30	1.25	0.03	0.00
15.75	1.25	0.03	0.00	18.35	1.25	0.03	0.00
15.80	1.25	0.03	0.00	18.40	1.25	0.03	0.00
15.85	1.25	0.03	0.00	18.45	1.25	0.03	0.00
15.90	1.25	0.03	0.00	18.50	1.25	0.03	0.00
15.95	1.25	0.03	0.00	18.55	1.25	0.03	0.00
16.00	1.25	0.03	0.00	18.60	1.25	0.03	0.00
16.05	1.25	0.03	0.00	18.65	1.25	0.03	0.00
16.10	1.25	0.03	0.00	18.70	1.25	0.03	0.00
16.15	1.25	0.03	0.00	18.75	1.25	0.03	0.00
16.20	1.25	0.03	0.00	18.80	1.25	0.03	0.00
16.25	1.25	0.03	0.00	18.85	1.25	0.03	0.00
16.30	1.25	0.03	0.00	18.90	1.25	0.03	0.00
16.35	1.25	0.03	0.00	18.95	1.25	0.03	0.00
16.40	1.25	0.03	0.00	19.00	1.25	0.03	0.00
16.45	1.25	0.03	0.00	19.05	1.25	0.03	0.00
16.50	1.25	0.03	0.00	19.10	1.25	0.03	0.00
16.55	1.25	0.03	0.00	19.15	1.25	0.03	0.00
16.60	1.25	0.03	0.00	19.20	1.25	0.03	0.00
16.65	1.25	0.03	0.00	19.25	1.25	0.03	0.00
16.70	1.25	0.03	0.00	19.30	1.25	0.03	0.00
16.75	1.25	0.03	0.00	19.35	1.25	0.03	0.00
16.80	1.25	0.03	0.00	19.40	1.25	0.03	0.00
16.85	1.25	0.03	0.00	19.45	1.25	0.03	0.00
16.90	1.25	0.03	0.00	19.50	1.25	0.03	0.00
16.95	1.25	0.03	0.00	19.55	1.25	0.03	0.00
17.00	1.25	0.03	0.00	19.60	1.25	0.03	0.00
17.05	1.25	0.03	0.00	19.65	1.25	0.03	0.00
17.10	1.25	0.03	0.00	19.70	1.25	0.03	0.00
17.15	1.25	0.03	0.00	19.75	1.25	0.03	0.00
17.20	1.25	0.03	0.00	19.80	1.25	0.03	0.00
17.25	1.25	0.03	0.00	19.85	1.25	0.03	0.00
17.30	1.25	0.03	0.00	19.90	1.25	0.03	0.00
17.35	1.25	0.03	0.00	19.95	1.25	0.03	0.00
17.40	1.25	0.03	0.00	20.00	1.25	0.03	0.00
17.45	1.25	0.03	0.00	20.05	1.25	0.03	0.00
17.50	1.25	0.03	0.00	20.10	1.25	0.03	0.00
17.55	1.25	0.03	0.00	20.15	1.25	0.03	0.00
17.60	1.25	0.03	0.00	20.20	1.25	0.03	0.00
17.65	1.25	0.03	0.00	20.25	1.25	0.03	0.00
17.70	1.25	0.03	0.00	20.30	1.25	0.03	0.00
17.75	1.25	0.03	0.00	20.35	1.25	0.03	0.00
17.80	1.25	0.03	0.00	20.40	1.25	0.03	0.00
17.85	1.25	0.03	0.00	20.45	1.25	0.03	0.00
17.90	1.25	0.03	0.00	20.50	1.25	0.03	0.00
17.95	1.25	0.03	0.00	20.55	1.25	0.03	0.00
18.00	1.25	0.03	0.00	20.60	1.25	0.03	0.00
18.05	1.25	0.03	0.00	20.65	1.25	0.03	0.00
18.10	1.25	0.03	0.00	20.70	1.25	0.03	0.00
18.15	1.25	0.03	0.00	20.75	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.03	0.00	23.40	1.25	0.03	0.00
20.85	1.25	0.03	0.00	23.45	1.25	0.03	0.00
20.90	1.25	0.03	0.00	23.50	1.25	0.03	0.00
20.95	1.25	0.03	0.00	23.55	1.25	0.03	0.00
21.00	1.25	0.03	0.00	23.60	1.25	0.03	0.00
21.05	1.25	0.03	0.00	23.65	1.25	0.03	0.00
21.10	1.25	0.03	0.00	23.70	1.25	0.03	0.00
21.15	1.25	0.03	0.00	23.75	1.25	0.03	0.00
21.20	1.25	0.03	0.00	23.80	1.25	0.03	0.00
21.25	1.25	0.03	0.00	23.85	1.25	0.03	0.00
21.30	1.25	0.03	0.00	23.90	1.25	0.03	0.00
21.35	1.25	0.03	0.00	23.95	1.25	0.03	0.00
21.40	1.25	0.03	0.00	24.00	1.25	0.03	0.00
21.45	1.25	0.03	0.00	24.05	1.25	0.03	0.00
21.50	1.25	0.03	0.00	24.10	1.25	0.03	0.00
21.55	1.25	0.03	0.00	24.15	1.25	0.03	0.00
21.60	1.25	0.03	0.00	24.20	1.25	0.03	0.00
21.65	1.25	0.03	0.00	24.25	1.25	0.03	0.00
21.70	1.25	0.03	0.00	24.30	1.25	0.03	0.00
21.75	1.25	0.03	0.00	24.35	1.25	0.03	0.00
21.80	1.25	0.03	0.00	24.40	1.25	0.03	0.00
21.85	1.25	0.03	0.00	24.45	1.25	0.03	0.00
21.90	1.25	0.03	0.00	24.50	1.25	0.03	0.00
21.95	1.25	0.03	0.00	24.55	1.25	0.03	0.00
22.00	1.25	0.03	0.00	24.60	1.25	0.03	0.00
22.05	1.25	0.03	0.00	24.65	1.25	0.03	0.00
22.10	1.25	0.03	0.00	24.70	1.25	0.03	0.00
22.15	1.25	0.03	0.00	24.75	1.25	0.03	0.00
22.20	1.25	0.03	0.00	24.80	1.25	0.03	0.00
22.25	1.25	0.03	0.00	24.85	1.25	0.03	0.00
22.30	1.25	0.03	0.00	24.90	1.25	0.03	0.00
22.35	1.25	0.03	0.00	24.95	1.25	0.03	0.00
22.40	1.25	0.03	0.00	25.00	1.25	0.03	0.00
22.45	1.25	0.03	0.00	25.05	1.25	0.03	0.00
22.50	1.25	0.03	0.00	25.10	1.25	0.03	0.00
22.55	1.25	0.03	0.00	25.15	1.25	0.03	0.00
22.60	1.25	0.03	0.00	25.20	1.25	0.03	0.00
22.65	1.25	0.03	0.00	25.25	1.25	0.03	0.00
22.70	1.25	0.03	0.00	25.30	1.25	0.03	0.00
22.75	1.25	0.03	0.00	25.35	1.25	0.03	0.00
22.80	1.25	0.03	0.00	25.40	1.25	0.03	0.00
22.85	1.25	0.03	0.00	25.45	1.25	0.03	0.00
22.90	1.25	0.03	0.00	25.50	1.25	0.03	0.00
22.95	1.25	0.03	0.00	25.55	1.25	0.03	0.00
23.00	1.25	0.03	0.00	25.60	1.25	0.03	0.00
23.05	1.25	0.03	0.00	25.65	1.25	0.03	0.00
23.10	1.25	0.03	0.00	25.70	1.25	0.03	0.00
23.15	1.25	0.03	0.00	25.75	1.25	0.03	0.00
23.20	1.25	0.03	0.00	25.80	1.25	0.03	0.00
23.25	1.25	0.03	0.00	25.85	1.25	0.03	0.00
23.30	1.25	0.03	0.00	25.90	1.25	0.03	0.00
23.35	1.25	0.03	0.00	25.95	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.03	0.00	28.60	1.25	0.03	0.00
26.05	1.25	0.03	0.00	28.65	1.25	0.03	0.00
26.10	1.25	0.03	0.00	28.70	1.25	0.03	0.00
26.15	1.25	0.03	0.00	28.75	1.25	0.03	0.00
26.20	1.25	0.03	0.00	28.80	1.25	0.03	0.00
26.25	1.25	0.03	0.00	28.85	1.25	0.03	0.00
26.30	1.25	0.03	0.00	28.90	1.25	0.03	0.00
26.35	1.25	0.03	0.00	28.95	1.25	0.03	0.00
26.40	1.25	0.03	0.00	29.00	1.25	0.03	0.00
26.45	1.25	0.03	0.00	29.05	1.25	0.03	0.00
26.50	1.25	0.03	0.00	29.10	1.25	0.03	0.00
26.55	1.25	0.03	0.00	29.15	1.25	0.03	0.00
26.60	1.25	0.03	0.00	29.20	1.25	0.03	0.00
26.65	1.25	0.03	0.00	29.25	1.25	0.03	0.00
26.70	1.25	0.03	0.00	29.30	1.25	0.03	0.00
26.75	1.25	0.03	0.00	29.35	1.25	0.03	0.00
26.80	1.25	0.03	0.00	29.40	1.25	0.03	0.00
26.85	1.25	0.03	0.00	29.45	1.25	0.03	0.00
26.90	1.25	0.03	0.00	29.50	1.25	0.03	0.00
26.95	1.25	0.03	0.00	29.55	1.25	0.03	0.00
27.00	1.25	0.03	0.00	29.60	1.25	0.03	0.00
27.05	1.25	0.03	0.00	29.65	1.25	0.03	0.00
27.10	1.25	0.03	0.00	29.70	1.25	0.03	0.00
27.15	1.25	0.03	0.00	29.75	1.25	0.03	0.00
27.20	1.25	0.03	0.00	29.80	1.25	0.03	0.00
27.25	1.25	0.03	0.00	29.85	1.25	0.03	0.00
27.30	1.25	0.03	0.00	29.90	1.25	0.03	0.00
27.35	1.25	0.03	0.00	29.95	1.25	0.03	0.00
27.40	1.25	0.03	0.00	30.00	1.25	0.03	0.00
27.45	1.25	0.03	0.00	30.05	1.25	0.03	0.00
27.50	1.25	0.03	0.00	30.10	1.25	0.03	0.00
27.55	1.25	0.03	0.00	30.15	1.25	0.03	0.00
27.60	1.25	0.03	0.00	30.20	1.25	0.03	0.00
27.65	1.25	0.03	0.00	30.25	1.25	0.03	0.00
27.70	1.25	0.03	0.00	30.30	1.25	0.03	0.00
27.75	1.25	0.03	0.00	30.35	1.25	0.03	0.00
27.80	1.25	0.03	0.00	30.40	1.25	0.03	0.00
27.85	1.25	0.03	0.00	30.45	1.25	0.03	0.00
27.90	1.25	0.03	0.00	30.50	1.25	0.03	0.00
27.95	1.25	0.03	0.00	30.55	1.25	0.03	0.00
28.00	1.25	0.03	0.00	30.60	1.25	0.03	0.00
28.05	1.25	0.03	0.00	30.65	1.25	0.03	0.00
28.10	1.25	0.03	0.00	30.70	1.25	0.03	0.00
28.15	1.25	0.03	0.00	30.75	1.25	0.03	0.00
28.20	1.25	0.03	0.00	30.80	1.25	0.03	0.00
28.25	1.25	0.03	0.00	30.85	1.25	0.03	0.00
28.30	1.25	0.03	0.00	30.90	1.25	0.03	0.00
28.35	1.25	0.03	0.00	30.95	1.25	0.03	0.00
28.40	1.25	0.03	0.00	31.00	1.25	0.03	0.00
28.45	1.25	0.03	0.00	31.05	1.25	0.03	0.00
28.50	1.25	0.03	0.00	31.10	1.25	0.03	0.00
28.55	1.25	0.03	0.00	31.15	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.03	0.00	33.80	1.25	0.03	0.00
31.25	1.25	0.03	0.00	33.85	1.25	0.03	0.00
31.30	1.25	0.03	0.00	33.90	1.25	0.03	0.00
31.35	1.25	0.03	0.00	33.95	1.25	0.03	0.00
31.40	1.25	0.03	0.00	34.00	1.25	0.03	0.00
31.45	1.25	0.03	0.00	34.05	1.25	0.03	0.00
31.50	1.25	0.03	0.00	34.10	1.25	0.03	0.00
31.55	1.25	0.03	0.00	34.15	1.25	0.03	0.00
31.60	1.25	0.03	0.00	34.20	1.25	0.03	0.00
31.65	1.25	0.03	0.00	34.25	1.25	0.03	0.00
31.70	1.25	0.03	0.00	34.30	1.25	0.03	0.00
31.75	1.25	0.03	0.00	34.35	1.25	0.03	0.00
31.80	1.25	0.03	0.00	34.40	1.25	0.03	0.00
31.85	1.25	0.03	0.00	34.45	1.25	0.03	0.00
31.90	1.25	0.03	0.00	34.50	1.25	0.03	0.00
31.95	1.25	0.03	0.00	34.55	1.25	0.03	0.00
32.00	1.25	0.03	0.00	34.60	1.25	0.03	0.00
32.05	1.25	0.03	0.00	34.65	1.25	0.03	0.00
32.10	1.25	0.03	0.00	34.70	1.25	0.03	0.00
32.15	1.25	0.03	0.00	34.75	1.25	0.03	0.00
32.20	1.25	0.03	0.00	34.80	1.25	0.03	0.00
32.25	1.25	0.03	0.00	34.85	1.25	0.03	0.00
32.30	1.25	0.03	0.00	34.90	1.25	0.03	0.00
32.35	1.25	0.03	0.00	34.95	1.25	0.03	0.00
32.40	1.25	0.03	0.00	35.00	1.25	0.03	0.00
32.45	1.25	0.03	0.00	35.05	1.25	0.03	0.00
32.50	1.25	0.03	0.00	35.10	1.25	0.03	0.00
32.55	1.25	0.03	0.00	35.15	1.25	0.03	0.00
32.60	1.25	0.03	0.00	35.20	1.25	0.03	0.00
32.65	1.25	0.03	0.00	35.25	1.25	0.03	0.00
32.70	1.25	0.03	0.00	35.30	1.25	0.03	0.00
32.75	1.25	0.03	0.00	35.35	1.25	0.03	0.00
32.80	1.25	0.03	0.00	35.40	1.25	0.03	0.00
32.85	1.25	0.03	0.00	35.45	1.25	0.03	0.00
32.90	1.25	0.03	0.00	35.50	1.25	0.03	0.00
32.95	1.25	0.03	0.00	35.55	1.25	0.03	0.00
33.00	1.25	0.03	0.00	35.60	1.25	0.03	0.00
33.05	1.25	0.03	0.00	35.65	1.25	0.03	0.00
33.10	1.25	0.03	0.00	35.70	1.25	0.03	0.00
33.15	1.25	0.03	0.00	35.75	1.25	0.03	0.00
33.20	1.25	0.03	0.00	35.80	1.25	0.03	0.00
33.25	1.25	0.03	0.00	35.85	1.25	0.03	0.00
33.30	1.25	0.03	0.00	35.90	1.25	0.03	0.00
33.35	1.25	0.03	0.00	35.95	1.25	0.03	0.00
33.40	1.25	0.03	0.00	36.00	1.25	0.03	0.00
33.45	1.25	0.03	0.00	36.05	1.25	0.03	0.00
33.50	1.25	0.03	0.00	36.10	1.25	0.03	0.00
33.55	1.25	0.03	0.00	36.15	1.25	0.03	0.00
33.60	1.25	0.03	0.00	36.20	1.25	0.03	0.00
33.65	1.25	0.03	0.00	36.25	1.25	0.03	0.00
33.70	1.25	0.03	0.00	36.30	1.25	0.03	0.00
33.75	1.25	0.03	0.00	36.35	1.25	0.03	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

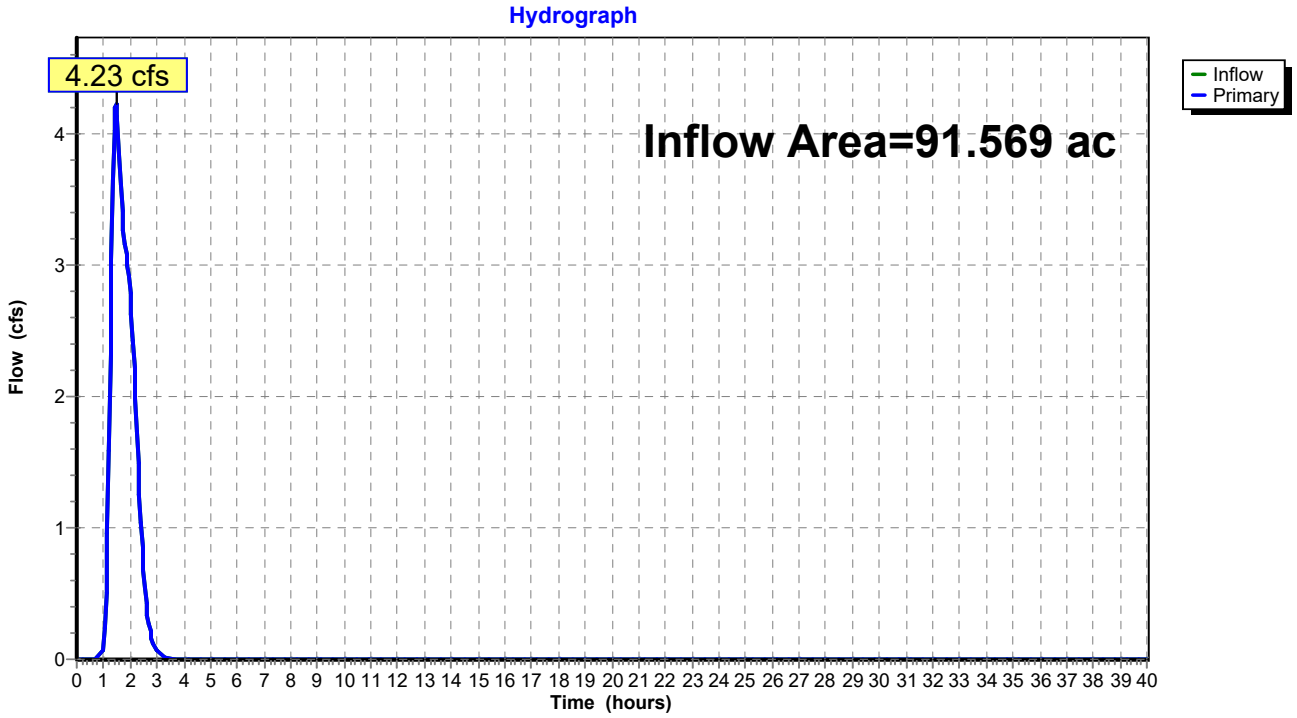
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.03	0.00
36.45	1.25	0.03	0.00
36.50	1.25	0.03	0.00
36.55	1.25	0.03	0.00
36.60	1.25	0.03	0.00
36.65	1.25	0.03	0.00
36.70	1.25	0.03	0.00
36.75	1.25	0.03	0.00
36.80	1.25	0.03	0.00
36.85	1.25	0.03	0.00
36.90	1.25	0.03	0.00
36.95	1.25	0.03	0.00
37.00	1.25	0.03	0.00
37.05	1.25	0.03	0.00
37.10	1.25	0.03	0.00
37.15	1.25	0.03	0.00
37.20	1.25	0.03	0.00
37.25	1.25	0.03	0.00
37.30	1.25	0.03	0.00
37.35	1.25	0.03	0.00
37.40	1.25	0.03	0.00
37.45	1.25	0.03	0.00
37.50	1.25	0.03	0.00
37.55	1.25	0.03	0.00
37.60	1.25	0.03	0.00
37.65	1.25	0.03	0.00
37.70	1.25	0.03	0.00
37.75	1.25	0.03	0.00
37.80	1.25	0.03	0.00
37.85	1.25	0.03	0.00
37.90	1.25	0.03	0.00
37.95	1.25	0.03	0.00
38.00	1.25	0.03	0.00
38.05	1.25	0.03	0.00
38.10	1.25	0.03	0.00
38.15	1.25	0.03	0.00
38.20	1.25	0.03	0.00
38.25	1.25	0.03	0.00
38.30	1.25	0.03	0.00
38.35	1.25	0.03	0.00
38.40	1.25	0.03	0.00
38.45	1.25	0.03	0.00
38.50	1.25	0.03	0.00
38.55	1.25	0.03	0.00
38.60	1.25	0.03	0.00
38.65	1.25	0.03	0.00
38.70	1.25	0.03	0.00
38.75	1.25	0.03	0.00
38.80	1.25	0.03	0.00
38.85	1.25	0.03	0.00
38.90	1.25	0.03	0.00
38.95	1.25	0.03	0.00
39.00	1.25	0.03	0.00
39.05	1.25	0.03	0.00
39.10	1.25	0.03	0.00
39.15	1.25	0.03	0.00
39.20	1.25	0.03	0.00
39.25	1.25	0.03	0.00
39.30	1.25	0.03	0.00
39.35	1.25	0.03	0.00
39.40	1.25	0.03	0.00
39.45	1.25	0.03	0.00
39.50	1.25	0.03	0.00
39.55	1.25	0.03	0.00
39.60	1.25	0.03	0.00
39.65	1.25	0.03	0.00
39.70	1.25	0.03	0.00
39.75	1.25	0.03	0.00
39.80	1.25	0.03	0.00
39.85	1.25	0.03	0.00
39.90	1.25	0.03	0.00
39.95	1.25	0.03	0.00
40.00	1.25	0.03	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 0.04" for WQ Storm event
Inflow = 4.23 cfs @ 1.47 hrs, Volume= 0.317 af
Primary = 4.23 cfs @ 1.47 hrs, Volume= 0.317 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.43	0.00	0.43
0.05	0.00	0.00	0.00	2.65	0.34	0.00	0.34
0.10	0.00	0.00	0.00	2.70	0.27	0.00	0.27
0.15	0.00	0.00	0.00	2.75	0.21	0.00	0.21
0.20	0.00	0.00	0.00	2.80	0.16	0.00	0.16
0.25	0.00	0.00	0.00	2.85	0.13	0.00	0.13
0.30	0.00	0.00	0.00	2.90	0.10	0.00	0.10
0.35	0.00	0.00	0.00	2.95	0.08	0.00	0.08
0.40	0.00	0.00	0.00	3.00	0.06	0.00	0.06
0.45	0.00	0.00	0.00	3.05	0.05	0.00	0.05
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.01	0.00	0.01
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.01	0.00	0.01	3.50	0.00	0.00	0.00
0.95	0.03	0.00	0.03	3.55	0.00	0.00	0.00
1.00	0.09	0.00	0.09	3.60	0.00	0.00	0.00
1.05	0.23	0.00	0.23	3.65	0.00	0.00	0.00
1.10	0.51	0.00	0.51	3.70	0.00	0.00	0.00
1.15	0.96	0.00	0.96	3.75	0.00	0.00	0.00
1.20	1.59	0.00	1.59	3.80	0.00	0.00	0.00
1.25	2.32	0.00	2.32	3.85	0.00	0.00	0.00
1.30	3.04	0.00	3.04	3.90	0.00	0.00	0.00
1.35	3.63	0.00	3.63	3.95	0.00	0.00	0.00
1.40	4.02	0.00	4.02	4.00	0.00	0.00	0.00
1.45	**4.20**	0.00	**4.20**	4.05	0.00	0.00	0.00
1.50	4.20	0.00	4.20	4.10	0.00	0.00	0.00
1.55	4.06	0.00	4.06	4.15	0.00	0.00	0.00
1.60	3.84	0.00	3.84	4.20	0.00	0.00	0.00
1.65	3.61	0.00	3.61	4.25	0.00	0.00	0.00
1.70	3.41	0.00	3.41	4.30	0.00	0.00	0.00
1.75	3.27	0.00	3.27	4.35	0.00	0.00	0.00
1.80	3.16	0.00	3.16	4.40	0.00	0.00	0.00
1.85	3.08	0.00	3.08	4.45	0.00	0.00	0.00
1.90	3.00	0.00	3.00	4.50	0.00	0.00	0.00
1.95	2.91	0.00	2.91	4.55	0.00	0.00	0.00
2.00	2.79	0.00	2.79	4.60	0.00	0.00	0.00
2.05	2.63	0.00	2.63	4.65	0.00	0.00	0.00
2.10	2.43	0.00	2.43	4.70	0.00	0.00	0.00
2.15	2.21	0.00	2.21	4.75	0.00	0.00	0.00
2.20	1.98	0.00	1.98	4.80	0.00	0.00	0.00
2.25	1.74	0.00	1.74	4.85	0.00	0.00	0.00
2.30	1.49	0.00	1.49	4.90	0.00	0.00	0.00
2.35	1.26	0.00	1.26	4.95	0.00	0.00	0.00
2.40	1.04	0.00	1.04	5.00	0.00	0.00	0.00
2.45	0.85	0.00	0.85	5.05	0.00	0.00	0.00
2.50	0.69	0.00	0.69	5.10	0.00	0.00	0.00
2.55	0.54	0.00	0.54	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

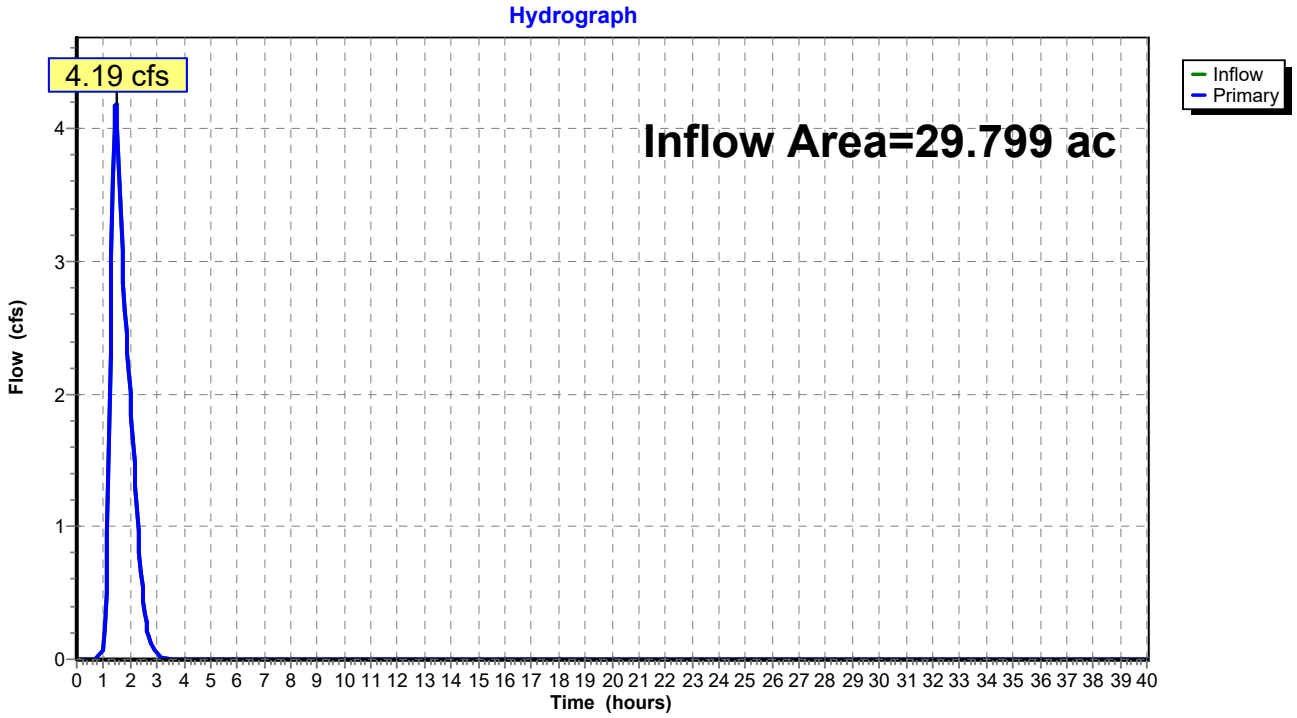
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 0.11" for WQ Storm event
Inflow = 4.19 cfs @ 1.47 hrs, Volume= 0.271 af
Primary = 4.19 cfs @ 1.47 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.27	0.00	0.27
0.05	0.00	0.00	0.00	2.65	0.22	0.00	0.22
0.10	0.00	0.00	0.00	2.70	0.17	0.00	0.17
0.15	0.00	0.00	0.00	2.75	0.13	0.00	0.13
0.20	0.00	0.00	0.00	2.80	0.10	0.00	0.10
0.25	0.00	0.00	0.00	2.85	0.08	0.00	0.08
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.05	0.00	0.05
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.01	0.00	0.01	3.50	0.00	0.00	0.00
0.95	0.03	0.00	0.03	3.55	0.00	0.00	0.00
1.00	0.09	0.00	0.09	3.60	0.00	0.00	0.00
1.05	0.23	0.00	0.23	3.65	0.00	0.00	0.00
1.10	0.51	0.00	0.51	3.70	0.00	0.00	0.00
1.15	0.96	0.00	0.96	3.75	0.00	0.00	0.00
1.20	1.59	0.00	1.59	3.80	0.00	0.00	0.00
1.25	2.32	0.00	2.32	3.85	0.00	0.00	0.00
1.30	3.04	0.00	3.04	3.90	0.00	0.00	0.00
1.35	3.63	0.00	3.63	3.95	0.00	0.00	0.00
1.40	4.01	0.00	4.01	4.00	0.00	0.00	0.00
1.45	**4.18**	0.00	**4.18**	4.05	0.00	0.00	0.00
1.50	4.14	0.00	4.14	4.10	0.00	0.00	0.00
1.55	3.95	0.00	3.95	4.15	0.00	0.00	0.00
1.60	3.67	0.00	3.67	4.20	0.00	0.00	0.00
1.65	3.36	0.00	3.36	4.25	0.00	0.00	0.00
1.70	3.08	0.00	3.08	4.30	0.00	0.00	0.00
1.75	2.84	0.00	2.84	4.35	0.00	0.00	0.00
1.80	2.63	0.00	2.63	4.40	0.00	0.00	0.00
1.85	2.46	0.00	2.46	4.45	0.00	0.00	0.00
1.90	2.31	0.00	2.31	4.50	0.00	0.00	0.00
1.95	2.16	0.00	2.16	4.55	0.00	0.00	0.00
2.00	2.00	0.00	2.00	4.60	0.00	0.00	0.00
2.05	1.84	0.00	1.84	4.65	0.00	0.00	0.00
2.10	1.66	0.00	1.66	4.70	0.00	0.00	0.00
2.15	1.48	0.00	1.48	4.75	0.00	0.00	0.00
2.20	1.31	0.00	1.31	4.80	0.00	0.00	0.00
2.25	1.13	0.00	1.13	4.85	0.00	0.00	0.00
2.30	0.96	0.00	0.96	4.90	0.00	0.00	0.00
2.35	0.81	0.00	0.81	4.95	0.00	0.00	0.00
2.40	0.66	0.00	0.66	5.00	0.00	0.00	0.00
2.45	0.54	0.00	0.54	5.05	0.00	0.00	0.00
2.50	0.44	0.00	0.44	5.10	0.00	0.00	0.00
2.55	0.35	0.00	0.35	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

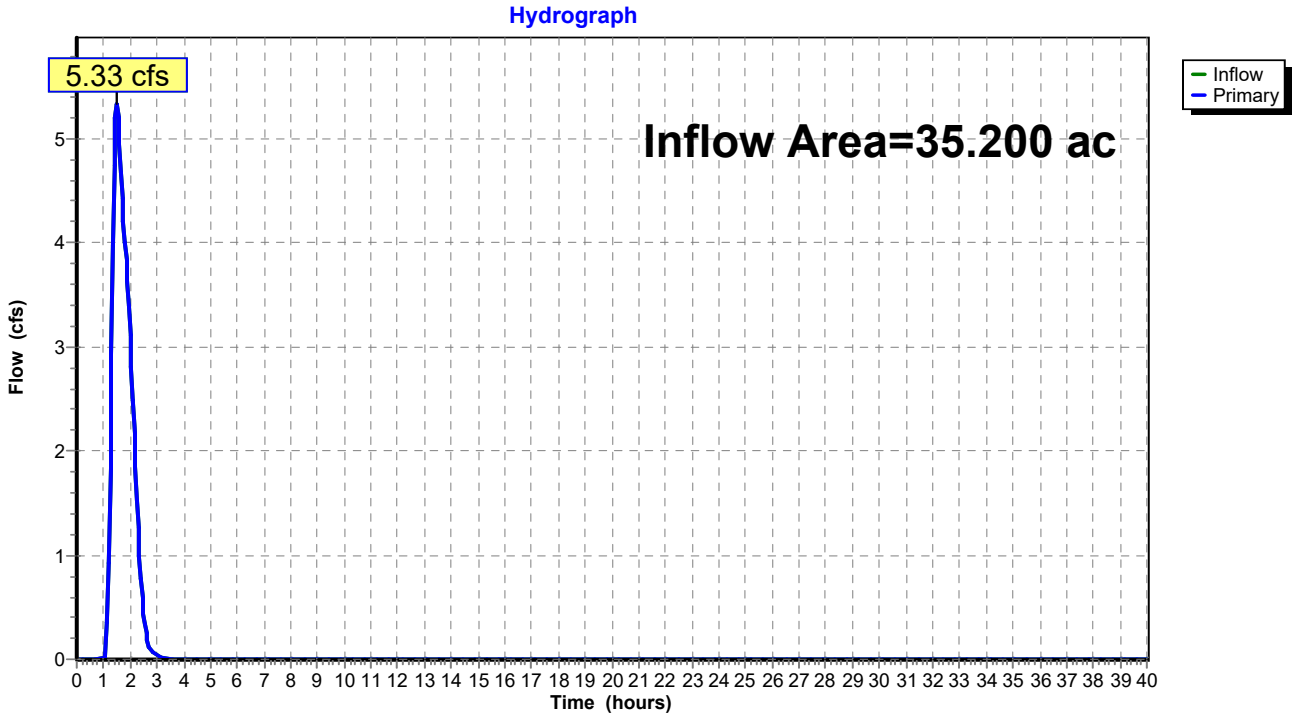
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 0.12" for WQ Storm event
Inflow = 5.33 cfs @ 1.50 hrs, Volume= 0.343 af
Primary = 5.33 cfs @ 1.50 hrs, Volume= 0.343 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.25	0.00	0.25
0.05	0.00	0.00	0.00	2.65	0.19	0.00	0.19
0.10	0.00	0.00	0.00	2.70	0.14	0.00	0.14
0.15	0.00	0.00	0.00	2.75	0.11	0.00	0.11
0.20	0.00	0.00	0.00	2.80	0.08	0.00	0.08
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.04	0.00	0.04
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.01	0.00	0.01	3.65	0.00	0.00	0.00
1.10	0.08	0.00	0.08	3.70	0.00	0.00	0.00
1.15	0.35	0.00	0.35	3.75	0.00	0.00	0.00
1.20	0.92	0.00	0.92	3.80	0.00	0.00	0.00
1.25	1.83	0.00	1.83	3.85	0.00	0.00	0.00
1.30	2.94	0.00	2.94	3.90	0.00	0.00	0.00
1.35	3.97	0.00	3.97	3.95	0.00	0.00	0.00
1.40	4.75	0.00	4.75	4.00	0.00	0.00	0.00
1.45	5.20	0.00	5.20	4.05	0.00	0.00	0.00
1.50	**5.33**	0.00	**5.33**	4.10	0.00	0.00	0.00
1.55	5.20	0.00	5.20	4.15	0.00	0.00	0.00
1.60	4.95	0.00	4.95	4.20	0.00	0.00	0.00
1.65	4.68	0.00	4.68	4.25	0.00	0.00	0.00
1.70	4.43	0.00	4.43	4.30	0.00	0.00	0.00
1.75	4.21	0.00	4.21	4.35	0.00	0.00	0.00
1.80	4.01	0.00	4.01	4.40	0.00	0.00	0.00
1.85	3.83	0.00	3.83	4.45	0.00	0.00	0.00
1.90	3.63	0.00	3.63	4.50	0.00	0.00	0.00
1.95	3.40	0.00	3.40	4.55	0.00	0.00	0.00
2.00	3.12	0.00	3.12	4.60	0.00	0.00	0.00
2.05	2.81	0.00	2.81	4.65	0.00	0.00	0.00
2.10	2.49	0.00	2.49	4.70	0.00	0.00	0.00
2.15	2.16	0.00	2.16	4.75	0.00	0.00	0.00
2.20	1.85	0.00	1.85	4.80	0.00	0.00	0.00
2.25	1.54	0.00	1.54	4.85	0.00	0.00	0.00
2.30	1.25	0.00	1.25	4.90	0.00	0.00	0.00
2.35	1.00	0.00	1.00	4.95	0.00	0.00	0.00
2.40	0.78	0.00	0.78	5.00	0.00	0.00	0.00
2.45	0.59	0.00	0.59	5.05	0.00	0.00	0.00
2.50	0.45	0.00	0.45	5.10	0.00	0.00	0.00
2.55	0.33	0.00	0.33	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

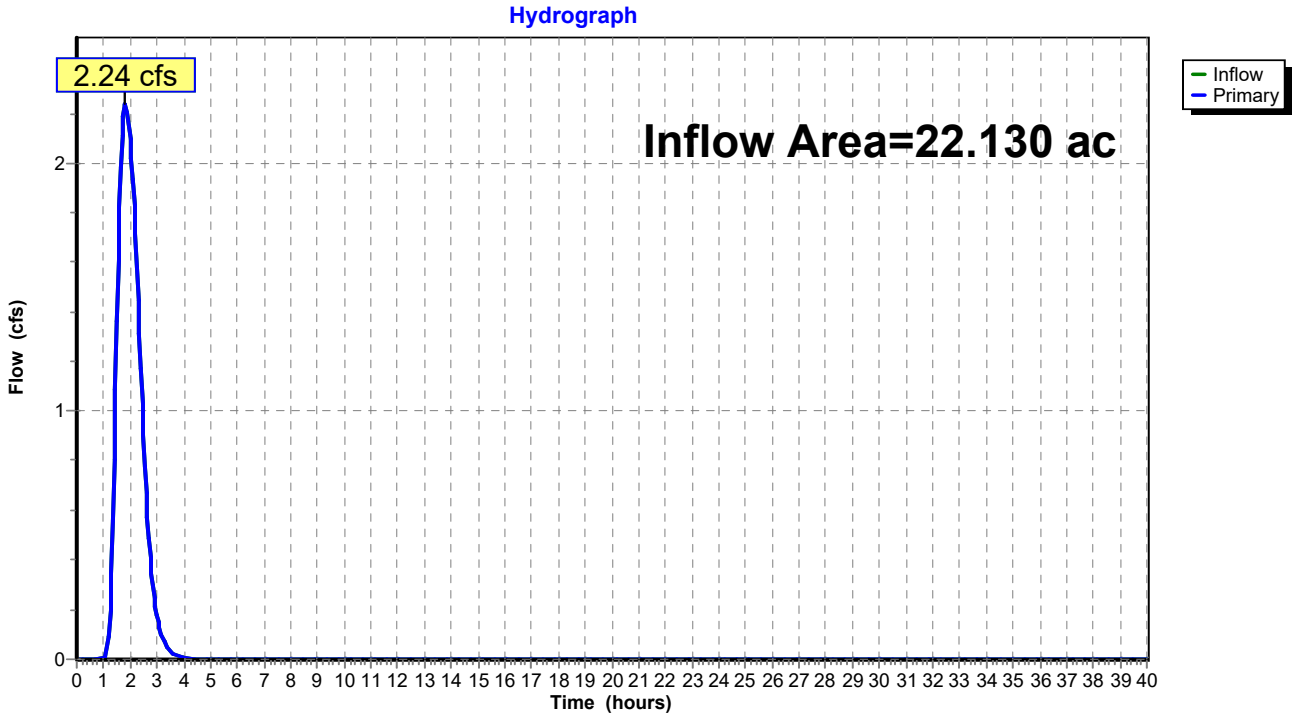
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 0.10" for WQ Storm event
Inflow = 2.24 cfs @ 1.83 hrs, Volume= 0.187 af
Primary = 2.24 cfs @ 1.83 hrs, Volume= 0.187 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.67	0.00	0.67
0.05	0.00	0.00	0.00	2.65	0.57	0.00	0.57
0.10	0.00	0.00	0.00	2.70	0.49	0.00	0.49
0.15	0.00	0.00	0.00	2.75	0.41	0.00	0.41
0.20	0.00	0.00	0.00	2.80	0.35	0.00	0.35
0.25	0.00	0.00	0.00	2.85	0.29	0.00	0.29
0.30	0.00	0.00	0.00	2.90	0.25	0.00	0.25
0.35	0.00	0.00	0.00	2.95	0.21	0.00	0.21
0.40	0.00	0.00	0.00	3.00	0.18	0.00	0.18
0.45	0.00	0.00	0.00	3.05	0.15	0.00	0.15
0.50	0.00	0.00	0.00	3.10	0.13	0.00	0.13
0.55	0.00	0.00	0.00	3.15	0.11	0.00	0.11
0.60	0.00	0.00	0.00	3.20	0.09	0.00	0.09
0.65	0.00	0.00	0.00	3.25	0.08	0.00	0.08
0.70	0.00	0.00	0.00	3.30	0.07	0.00	0.07
0.75	0.00	0.00	0.00	3.35	0.06	0.00	0.06
0.80	0.00	0.00	0.00	3.40	0.05	0.00	0.05
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.01	0.00	0.01	3.70	0.01	0.00	0.01
1.15	0.04	0.00	0.04	3.75	0.01	0.00	0.01
1.20	0.09	0.00	0.09	3.80	0.01	0.00	0.01
1.25	0.20	0.00	0.20	3.85	0.01	0.00	0.01
1.30	0.35	0.00	0.35	3.90	0.01	0.00	0.01
1.35	0.56	0.00	0.56	3.95	0.00	0.00	0.00
1.40	0.81	0.00	0.81	4.00	0.00	0.00	0.00
1.45	1.09	0.00	1.09	4.05	0.00	0.00	0.00
1.50	1.36	0.00	1.36	4.10	0.00	0.00	0.00
1.55	1.61	0.00	1.61	4.15	0.00	0.00	0.00
1.60	1.82	0.00	1.82	4.20	0.00	0.00	0.00
1.65	1.98	0.00	1.98	4.25	0.00	0.00	0.00
1.70	2.11	0.00	2.11	4.30	0.00	0.00	0.00
1.75	2.19	0.00	2.19	4.35	0.00	0.00	0.00
1.80	2.23	0.00	2.23	4.40	0.00	0.00	0.00
1.85	**2.23**	0.00	**2.23**	4.45	0.00	0.00	0.00
1.90	2.21	0.00	2.21	4.50	0.00	0.00	0.00
1.95	2.16	0.00	2.16	4.55	0.00	0.00	0.00
2.00	2.09	0.00	2.09	4.60	0.00	0.00	0.00
2.05	2.02	0.00	2.02	4.65	0.00	0.00	0.00
2.10	1.93	0.00	1.93	4.70	0.00	0.00	0.00
2.15	1.83	0.00	1.83	4.75	0.00	0.00	0.00
2.20	1.71	0.00	1.71	4.80	0.00	0.00	0.00
2.25	1.58	0.00	1.58	4.85	0.00	0.00	0.00
2.30	1.45	0.00	1.45	4.90	0.00	0.00	0.00
2.35	1.31	0.00	1.31	4.95	0.00	0.00	0.00
2.40	1.17	0.00	1.17	5.00	0.00	0.00	0.00
2.45	1.03	0.00	1.03	5.05	0.00	0.00	0.00
2.50	0.90	0.00	0.90	5.10	0.00	0.00	0.00
2.55	0.78	0.00	0.78	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

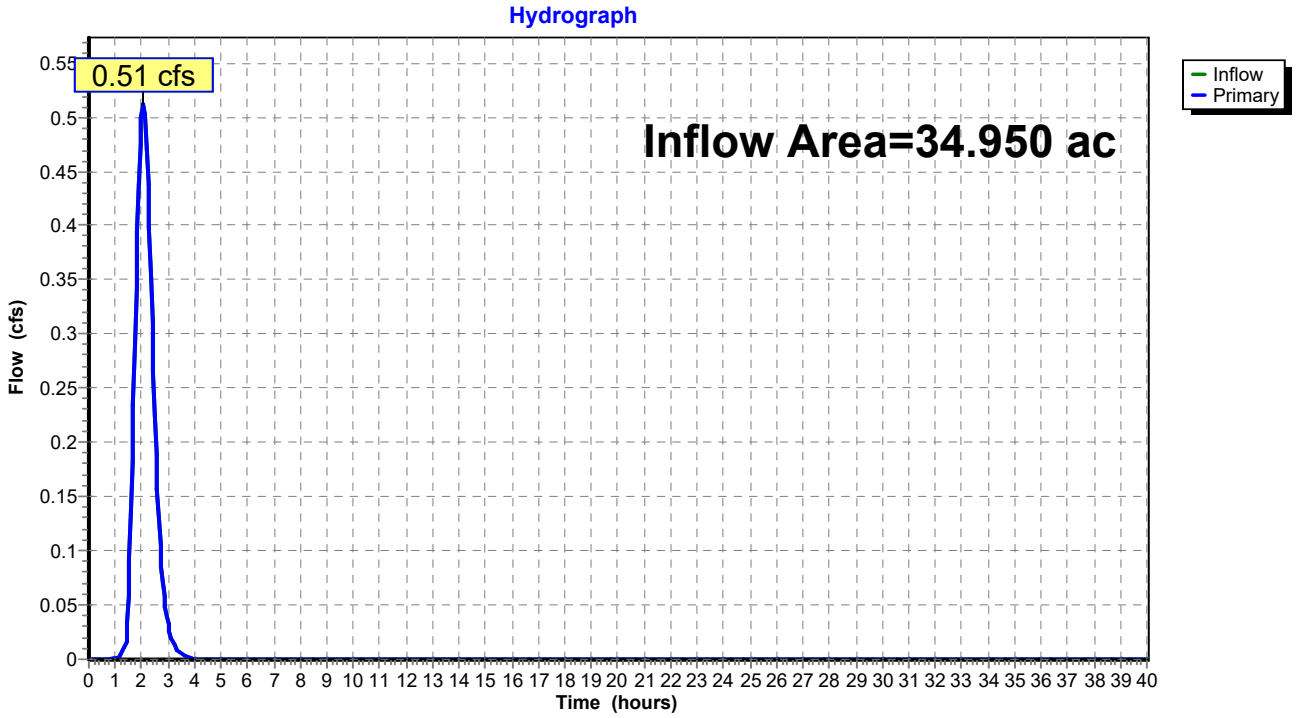
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 0.01" for WQ Storm event
Inflow = 0.51 cfs @ 2.07 hrs, Volume= 0.034 af
Primary = 0.51 cfs @ 2.07 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.16	0.00	0.16
0.05	0.00	0.00	0.00	2.65	0.13	0.00	0.13
0.10	0.00	0.00	0.00	2.70	0.10	0.00	0.10
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.07	0.00	0.07
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.05	0.00	0.05
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.01	0.00	0.01
0.85	0.00	0.00	0.00	3.45	0.01	0.00	0.01
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.01	0.00	0.01	3.95	0.00	0.00	0.00
1.40	0.02	0.00	0.02	4.00	0.00	0.00	0.00
1.45	0.03	0.00	0.03	4.05	0.00	0.00	0.00
1.50	0.06	0.00	0.06	4.10	0.00	0.00	0.00
1.55	0.09	0.00	0.09	4.15	0.00	0.00	0.00
1.60	0.13	0.00	0.13	4.20	0.00	0.00	0.00
1.65	0.18	0.00	0.18	4.25	0.00	0.00	0.00
1.70	0.23	0.00	0.23	4.30	0.00	0.00	0.00
1.75	0.29	0.00	0.29	4.35	0.00	0.00	0.00
1.80	0.34	0.00	0.34	4.40	0.00	0.00	0.00
1.85	0.39	0.00	0.39	4.45	0.00	0.00	0.00
1.90	0.44	0.00	0.44	4.50	0.00	0.00	0.00
1.95	0.47	0.00	0.47	4.55	0.00	0.00	0.00
2.00	0.50	0.00	0.50	4.60	0.00	0.00	0.00
2.05	**0.51**	0.00	**0.51**	4.65	0.00	0.00	0.00
2.10	0.51	0.00	0.51	4.70	0.00	0.00	0.00
2.15	0.49	0.00	0.49	4.75	0.00	0.00	0.00
2.20	0.47	0.00	0.47	4.80	0.00	0.00	0.00
2.25	0.44	0.00	0.44	4.85	0.00	0.00	0.00
2.30	0.40	0.00	0.40	4.90	0.00	0.00	0.00
2.35	0.36	0.00	0.36	4.95	0.00	0.00	0.00
2.40	0.31	0.00	0.31	5.00	0.00	0.00	0.00
2.45	0.27	0.00	0.27	5.05	0.00	0.00	0.00
2.50	0.23	0.00	0.23	5.10	0.00	0.00	0.00
2.55	0.19	0.00	0.19	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

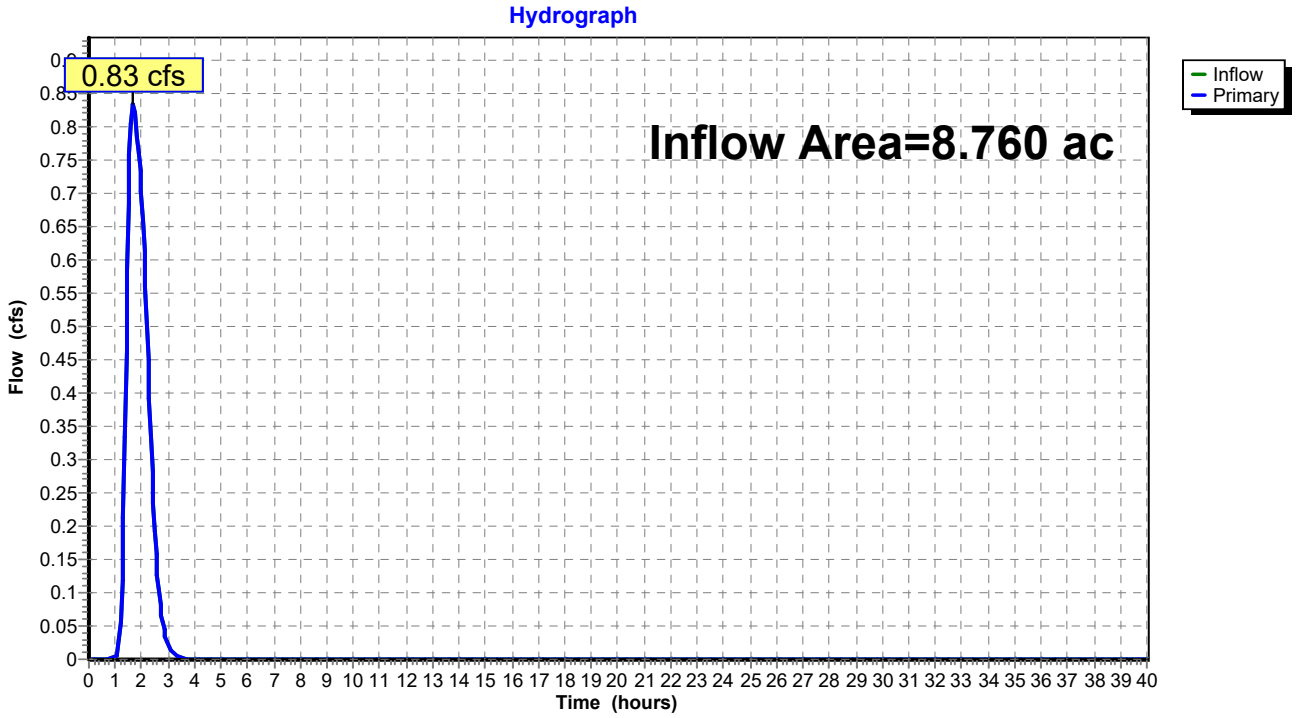
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 0.09" for WQ Storm event
Inflow = 0.83 cfs @ 1.69 hrs, Volume= 0.063 af
Primary = 0.83 cfs @ 1.69 hrs, Volume= 0.063 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.13	0.00	0.13
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.10
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.07	0.00	0.07
0.20	0.00	0.00	0.00	2.80	0.05	0.00	0.05
0.25	0.00	0.00	0.00	2.85	0.04	0.00	0.04
0.30	0.00	0.00	0.00	2.90	0.04	0.00	0.04
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.02	0.00	0.02	3.75	0.00	0.00	0.00
1.20	0.05	0.00	0.05	3.80	0.00	0.00	0.00
1.25	0.12	0.00	0.12	3.85	0.00	0.00	0.00
1.30	0.21	0.00	0.21	3.90	0.00	0.00	0.00
1.35	0.33	0.00	0.33	3.95	0.00	0.00	0.00
1.40	0.46	0.00	0.46	4.00	0.00	0.00	0.00
1.45	0.58	0.00	0.58	4.05	0.00	0.00	0.00
1.50	0.68	0.00	0.68	4.10	0.00	0.00	0.00
1.55	0.76	0.00	0.76	4.15	0.00	0.00	0.00
1.60	0.81	0.00	0.81	4.20	0.00	0.00	0.00
1.65	0.83	0.00	0.83	4.25	0.00	0.00	0.00
1.70	**0.83**	0.00	**0.83**	4.30	0.00	0.00	0.00
1.75	0.82	0.00	0.82	4.35	0.00	0.00	0.00
1.80	0.81	0.00	0.81	4.40	0.00	0.00	0.00
1.85	0.78	0.00	0.78	4.45	0.00	0.00	0.00
1.90	0.76	0.00	0.76	4.50	0.00	0.00	0.00
1.95	0.74	0.00	0.74	4.55	0.00	0.00	0.00
2.00	0.70	0.00	0.70	4.60	0.00	0.00	0.00
2.05	0.66	0.00	0.66	4.65	0.00	0.00	0.00
2.10	0.61	0.00	0.61	4.70	0.00	0.00	0.00
2.15	0.56	0.00	0.56	4.75	0.00	0.00	0.00
2.20	0.51	0.00	0.51	4.80	0.00	0.00	0.00
2.25	0.45	0.00	0.45	4.85	0.00	0.00	0.00
2.30	0.39	0.00	0.39	4.90	0.00	0.00	0.00
2.35	0.33	0.00	0.33	4.95	0.00	0.00	0.00
2.40	0.28	0.00	0.28	5.00	0.00	0.00	0.00
2.45	0.23	0.00	0.23	5.05	0.00	0.00	0.00
2.50	0.19	0.00	0.19	5.10	0.00	0.00	0.00
2.55	0.16	0.00	0.16	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

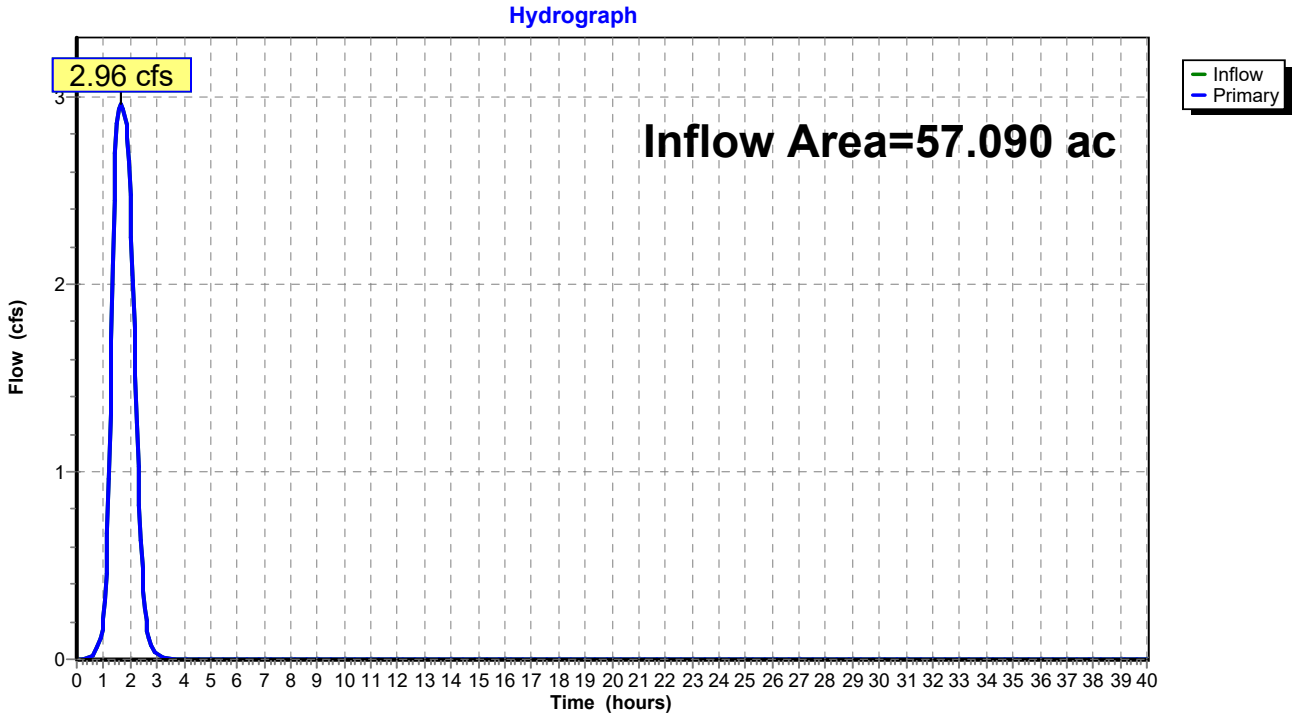
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 0.05" for WQ Storm event
Inflow = 2.96 cfs @ 1.62 hrs, Volume= 0.239 af
Primary = 2.96 cfs @ 1.62 hrs, Volume= 0.239 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.20	0.00	0.20
0.05	0.00	0.00	0.00	2.65	0.15	0.00	0.15
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.11
0.15	0.00	0.00	0.00	2.75	0.09	0.00	0.09
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.05	0.00	0.05
0.30	0.00	0.00	0.00	2.90	0.04	0.00	0.04
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.01	0.00	0.01	3.15	0.01	0.00	0.01
0.60	0.01	0.00	0.01	3.20	0.00	0.00	0.00
0.65	0.02	0.00	0.02	3.25	0.00	0.00	0.00
0.70	0.04	0.00	0.04	3.30	0.00	0.00	0.00
0.75	0.06	0.00	0.06	3.35	0.00	0.00	0.00
0.80	0.07	0.00	0.07	3.40	0.00	0.00	0.00
0.85	0.10	0.00	0.10	3.45	0.00	0.00	0.00
0.90	0.12	0.00	0.12	3.50	0.00	0.00	0.00
0.95	0.16	0.00	0.16	3.55	0.00	0.00	0.00
1.00	0.22	0.00	0.22	3.60	0.00	0.00	0.00
1.05	0.31	0.00	0.31	3.65	0.00	0.00	0.00
1.10	0.46	0.00	0.46	3.70	0.00	0.00	0.00
1.15	0.67	0.00	0.67	3.75	0.00	0.00	0.00
1.20	0.96	0.00	0.96	3.80	0.00	0.00	0.00
1.25	1.31	0.00	1.31	3.85	0.00	0.00	0.00
1.30	1.70	0.00	1.70	3.90	0.00	0.00	0.00
1.35	2.10	0.00	2.10	3.95	0.00	0.00	0.00
1.40	2.45	0.00	2.45	4.00	0.00	0.00	0.00
1.45	2.70	0.00	2.70	4.05	0.00	0.00	0.00
1.50	2.85	0.00	2.85	4.10	0.00	0.00	0.00
1.55	2.93	0.00	2.93	4.15	0.00	0.00	0.00
1.60	**2.96**	0.00	**2.96**	4.20	0.00	0.00	0.00
1.65	2.95	0.00	2.95	4.25	0.00	0.00	0.00
1.70	2.94	0.00	2.94	4.30	0.00	0.00	0.00
1.75	2.91	0.00	2.91	4.35	0.00	0.00	0.00
1.80	2.89	0.00	2.89	4.40	0.00	0.00	0.00
1.85	2.85	0.00	2.85	4.45	0.00	0.00	0.00
1.90	2.78	0.00	2.78	4.50	0.00	0.00	0.00
1.95	2.66	0.00	2.66	4.55	0.00	0.00	0.00
2.00	2.48	0.00	2.48	4.60	0.00	0.00	0.00
2.05	2.26	0.00	2.26	4.65	0.00	0.00	0.00
2.10	2.01	0.00	2.01	4.70	0.00	0.00	0.00
2.15	1.77	0.00	1.77	4.75	0.00	0.00	0.00
2.20	1.51	0.00	1.51	4.80	0.00	0.00	0.00
2.25	1.26	0.00	1.26	4.85	0.00	0.00	0.00
2.30	1.03	0.00	1.03	4.90	0.00	0.00	0.00
2.35	0.82	0.00	0.82	4.95	0.00	0.00	0.00
2.40	0.64	0.00	0.64	5.00	0.00	0.00	0.00
2.45	0.48	0.00	0.48	5.05	0.00	0.00	0.00
2.50	0.36	0.00	0.36	5.10	0.00	0.00	0.00
2.55	0.27	0.00	0.27	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

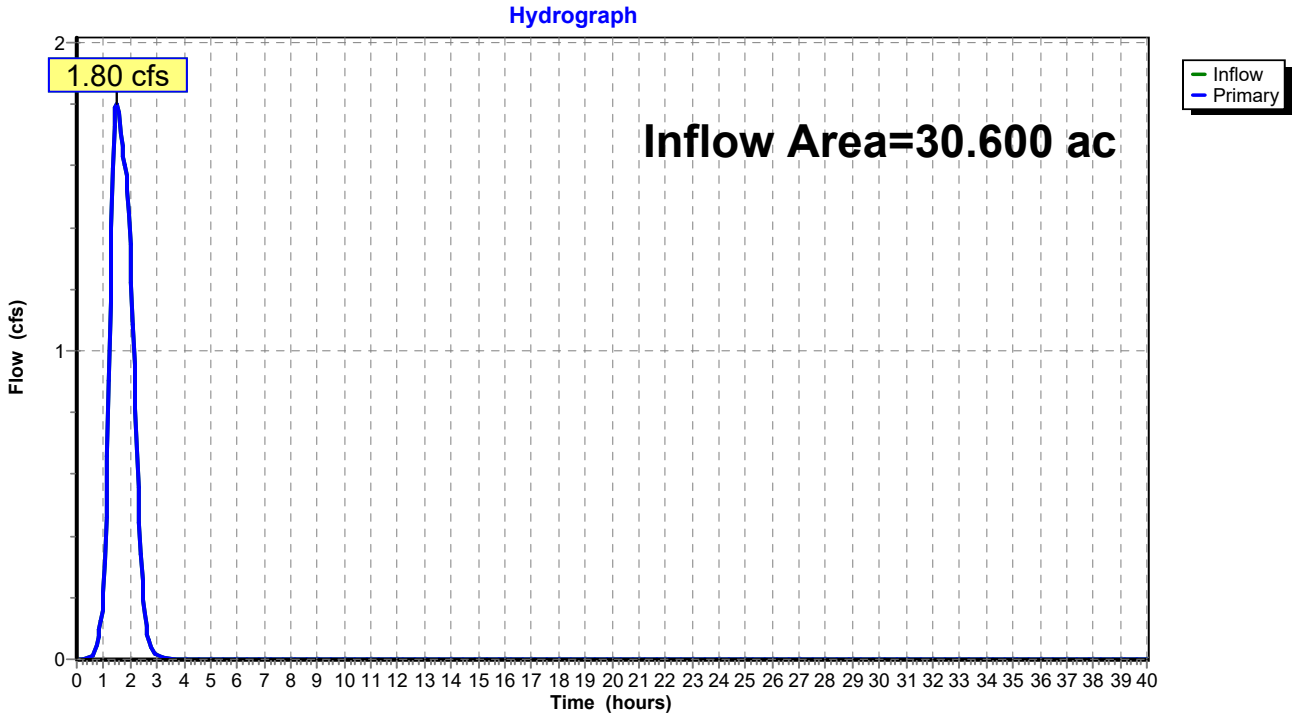
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.06" for WQ Storm event
Inflow = 1.80 cfs @ 1.49 hrs, Volume= 0.148 af
Primary = 1.80 cfs @ 1.49 hrs, Volume= 0.148 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.11	0.00	0.11
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.01	0.00	0.01	3.15	0.00	0.00	0.00
0.60	0.01	0.00	0.01	3.20	0.00	0.00	0.00
0.65	0.02	0.00	0.02	3.25	0.00	0.00	0.00
0.70	0.04	0.00	0.04	3.30	0.00	0.00	0.00
0.75	0.06	0.00	0.06	3.35	0.00	0.00	0.00
0.80	0.07	0.00	0.07	3.40	0.00	0.00	0.00
0.85	0.10	0.00	0.10	3.45	0.00	0.00	0.00
0.90	0.12	0.00	0.12	3.50	0.00	0.00	0.00
0.95	0.16	0.00	0.16	3.55	0.00	0.00	0.00
1.00	0.22	0.00	0.22	3.60	0.00	0.00	0.00
1.05	0.31	0.00	0.31	3.65	0.00	0.00	0.00
1.10	0.46	0.00	0.46	3.70	0.00	0.00	0.00
1.15	0.66	0.00	0.66	3.75	0.00	0.00	0.00
1.20	0.91	0.00	0.91	3.80	0.00	0.00	0.00
1.25	1.16	0.00	1.16	3.85	0.00	0.00	0.00
1.30	1.40	0.00	1.40	3.90	0.00	0.00	0.00
1.35	1.59	0.00	1.59	3.95	0.00	0.00	0.00
1.40	1.72	0.00	1.72	4.00	0.00	0.00	0.00
1.45	1.79	0.00	1.79	4.05	0.00	0.00	0.00
1.50	**1.80**	0.00	**1.80**	4.10	0.00	0.00	0.00
1.55	1.78	0.00	1.78	4.15	0.00	0.00	0.00
1.60	1.74	0.00	1.74	4.20	0.00	0.00	0.00
1.65	1.70	0.00	1.70	4.25	0.00	0.00	0.00
1.70	1.66	0.00	1.66	4.30	0.00	0.00	0.00
1.75	1.63	0.00	1.63	4.35	0.00	0.00	0.00
1.80	1.60	0.00	1.60	4.40	0.00	0.00	0.00
1.85	1.57	0.00	1.57	4.45	0.00	0.00	0.00
1.90	1.52	0.00	1.52	4.50	0.00	0.00	0.00
1.95	1.45	0.00	1.45	4.55	0.00	0.00	0.00
2.00	1.34	0.00	1.34	4.60	0.00	0.00	0.00
2.05	1.22	0.00	1.22	4.65	0.00	0.00	0.00
2.10	1.09	0.00	1.09	4.70	0.00	0.00	0.00
2.15	0.95	0.00	0.95	4.75	0.00	0.00	0.00
2.20	0.81	0.00	0.81	4.80	0.00	0.00	0.00
2.25	0.68	0.00	0.68	4.85	0.00	0.00	0.00
2.30	0.55	0.00	0.55	4.90	0.00	0.00	0.00
2.35	0.44	0.00	0.44	4.95	0.00	0.00	0.00
2.40	0.34	0.00	0.34	5.00	0.00	0.00	0.00
2.45	0.26	0.00	0.26	5.05	0.00	0.00	0.00
2.50	0.19	0.00	0.19	5.10	0.00	0.00	0.00
2.55	0.15	0.00	0.15	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

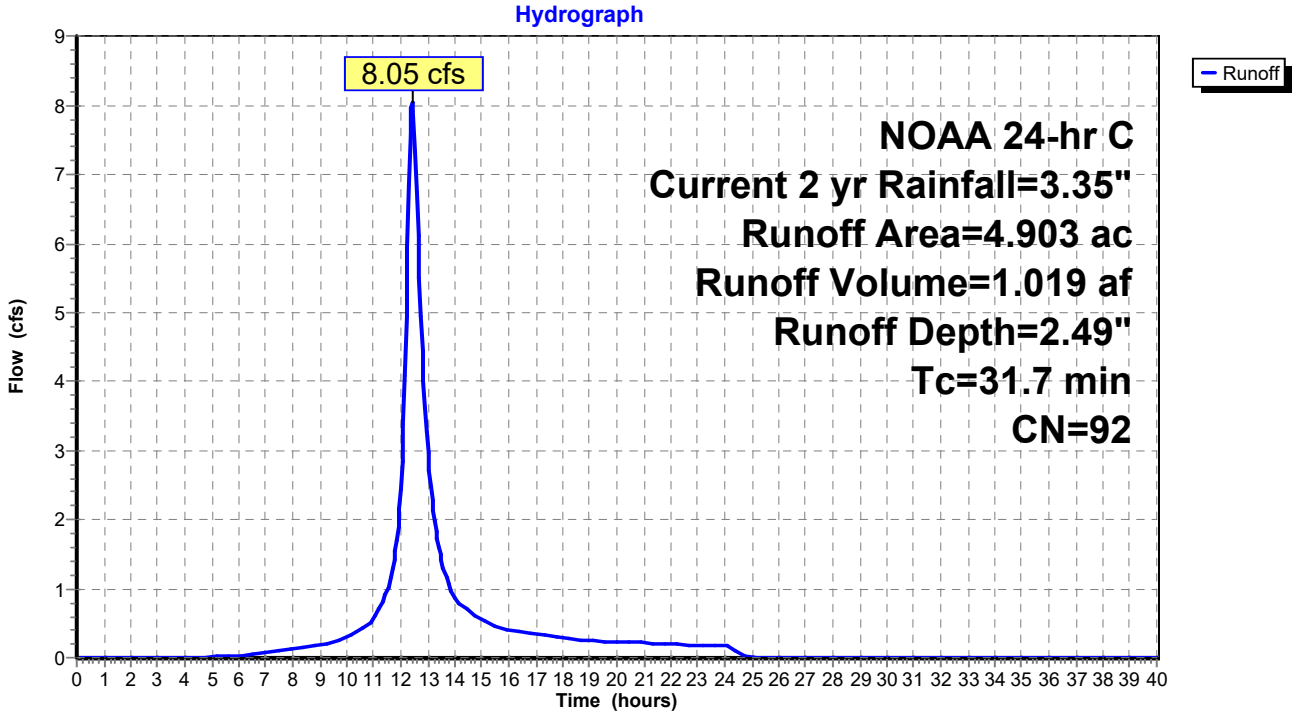
Runoff = 8.05 cfs @ 12.43 hrs, Volume= 1.019 af, Depth= 2.49"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.01
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.01
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.01
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.01
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.01
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.01
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.01

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.01	7.80	0.39	0.04	0.11
5.25	0.23	0.00	0.01	7.85	0.39	0.04	0.11
5.30	0.23	0.00	0.02	7.90	0.39	0.04	0.11
5.35	0.23	0.00	0.02	7.95	0.40	0.05	0.12
5.40	0.23	0.00	0.02	8.00	0.40	0.05	0.12
5.45	0.24	0.00	0.02	8.05	0.41	0.05	0.12
5.50	0.24	0.00	0.02	8.10	0.41	0.05	0.13
5.55	0.24	0.00	0.02	8.15	0.41	0.05	0.13
5.60	0.24	0.01	0.02	8.20	0.42	0.05	0.13
5.65	0.25	0.01	0.03	8.25	0.42	0.06	0.14
5.70	0.25	0.01	0.03	8.30	0.43	0.06	0.14
5.75	0.25	0.01	0.03	8.35	0.43	0.06	0.14
5.80	0.25	0.01	0.03	8.40	0.43	0.06	0.14
5.85	0.26	0.01	0.03	8.45	0.44	0.06	0.15
5.90	0.26	0.01	0.03	8.50	0.44	0.06	0.15
5.95	0.26	0.01	0.03	8.55	0.45	0.07	0.15
6.00	0.27	0.01	0.04	8.60	0.45	0.07	0.16
6.05	0.27	0.01	0.04	8.65	0.46	0.07	0.16
6.10	0.27	0.01	0.04	8.70	0.46	0.07	0.16
6.15	0.27	0.01	0.04	8.75	0.47	0.07	0.17
6.20	0.28	0.01	0.04	8.80	0.47	0.08	0.17
6.25	0.28	0.01	0.04	8.85	0.48	0.08	0.17
6.30	0.28	0.01	0.04	8.90	0.48	0.08	0.18
6.35	0.29	0.01	0.05	8.95	0.48	0.08	0.18
6.40	0.29	0.01	0.05	9.00	0.49	0.08	0.18
6.45	0.29	0.01	0.05	9.05	0.49	0.09	0.19
6.50	0.29	0.01	0.05	9.10	0.50	0.09	0.19
6.55	0.30	0.02	0.05	9.15	0.50	0.09	0.19
6.60	0.30	0.02	0.05	9.20	0.51	0.09	0.20
6.65	0.30	0.02	0.06	9.25	0.51	0.10	0.20
6.70	0.31	0.02	0.06	9.30	0.52	0.10	0.20
6.75	0.31	0.02	0.06	9.35	0.53	0.10	0.21
6.80	0.31	0.02	0.06	9.40	0.53	0.10	0.22
6.85	0.32	0.02	0.06	9.45	0.54	0.11	0.22
6.90	0.32	0.02	0.07	9.50	0.54	0.11	0.23
6.95	0.32	0.02	0.07	9.55	0.55	0.11	0.23
7.00	0.33	0.02	0.07	9.60	0.56	0.12	0.24
7.05	0.33	0.02	0.07	9.65	0.56	0.12	0.25
7.10	0.33	0.02	0.07	9.70	0.57	0.12	0.26
7.15	0.34	0.03	0.08	9.75	0.58	0.13	0.27
7.20	0.34	0.03	0.08	9.80	0.58	0.13	0.27
7.25	0.34	0.03	0.08	9.85	0.59	0.13	0.28
7.30	0.35	0.03	0.08	9.90	0.60	0.14	0.29
7.35	0.35	0.03	0.09	9.95	0.60	0.14	0.30
7.40	0.35	0.03	0.09	10.00	0.61	0.15	0.31
7.45	0.36	0.03	0.09	10.05	0.62	0.15	0.32
7.50	0.36	0.03	0.09	10.10	0.63	0.15	0.33
7.55	0.37	0.03	0.10	10.15	0.63	0.16	0.34
7.60	0.37	0.04	0.10	10.20	0.64	0.16	0.35
7.65	0.37	0.04	0.10	10.25	0.65	0.17	0.36
7.70	0.38	0.04	0.10	10.30	0.66	0.17	0.37
7.75	0.38	0.04	0.11	10.35	0.67	0.18	0.38

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.18	0.39	13.00	2.55	1.74	2.97
10.45	0.68	0.19	0.40	13.05	2.56	1.75	2.71
10.50	0.69	0.19	0.41	13.10	2.57	1.76	2.48
10.55	0.70	0.20	0.42	13.15	2.58	1.77	2.29
10.60	0.71	0.20	0.43	13.20	2.60	1.78	2.12
10.65	0.72	0.21	0.44	13.25	2.61	1.79	1.97
10.70	0.73	0.22	0.45	13.30	2.62	1.80	1.83
10.75	0.74	0.22	0.47	13.35	2.63	1.81	1.71
10.80	0.75	0.23	0.48	13.40	2.64	1.82	1.61
10.85	0.77	0.24	0.50	13.45	2.65	1.83	1.51
10.90	0.78	0.25	0.52	13.50	2.66	1.84	1.42
10.95	0.79	0.26	0.55	13.55	2.67	1.85	1.34
11.00	0.80	0.26	0.58	13.60	2.68	1.86	1.27
11.05	0.82	0.27	0.60	13.65	2.68	1.86	1.20
11.10	0.83	0.28	0.63	13.70	2.69	1.87	1.14
11.15	0.85	0.30	0.67	13.75	2.70	1.88	1.08
11.20	0.87	0.31	0.70	13.80	2.71	1.89	1.03
11.25	0.89	0.32	0.74	13.85	2.72	1.89	0.98
11.30	0.91	0.33	0.78	13.90	2.72	1.90	0.94
11.35	0.93	0.35	0.83	13.95	2.73	1.91	0.90
11.40	0.95	0.36	0.88	14.00	2.74	1.92	0.87
11.45	0.97	0.38	0.94	14.05	2.75	1.92	0.84
11.50	0.99	0.40	0.99	14.10	2.75	1.93	0.82
11.55	1.02	0.42	1.06	14.15	2.76	1.94	0.79
11.60	1.06	0.45	1.12	14.20	2.77	1.94	0.77
11.65	1.09	0.47	1.20	14.25	2.77	1.95	0.76
11.70	1.13	0.50	1.30	14.30	2.78	1.95	0.74
11.75	1.18	0.54	1.41	14.35	2.79	1.96	0.72
11.80	1.23	0.58	1.55	14.40	2.79	1.97	0.71
11.85	1.29	0.63	1.71	14.45	2.80	1.97	0.70
11.90	1.36	0.69	1.91	14.50	2.81	1.98	0.68
11.95	1.48	0.78	2.15	14.55	2.81	1.98	0.67
12.00	1.60	0.88	2.45	14.60	2.82	1.99	0.66
12.05	1.79	1.05	2.84	14.65	2.82	2.00	0.64
12.10	1.99	1.23	3.37	14.70	2.83	2.00	0.63
12.15	2.06	1.29	4.08	14.75	2.84	2.01	0.62
12.20	2.12	1.35	4.96	14.80	2.84	2.01	0.61
12.25	2.17	1.39	5.93	14.85	2.85	2.02	0.60
12.30	2.22	1.44	6.87	14.90	2.85	2.02	0.59
12.35	2.26	1.47	7.59	14.95	2.86	2.03	0.57
12.40	2.29	1.50	7.98	15.00	2.86	2.03	0.56
12.45	2.33	1.53	**8.03**	15.05	2.87	2.03	0.55
12.50	2.36	1.56	7.80	15.10	2.87	2.04	0.54
12.55	2.38	1.58	7.35	15.15	2.87	2.04	0.53
12.60	2.40	1.60	6.77	15.20	2.88	2.05	0.52
12.65	2.42	1.62	6.13	15.25	2.88	2.05	0.50
12.70	2.44	1.64	5.50	15.30	2.89	2.06	0.49
12.75	2.46	1.66	4.95	15.35	2.89	2.06	0.48
12.80	2.48	1.68	4.45	15.40	2.90	2.06	0.47
12.85	2.50	1.69	4.01	15.45	2.90	2.07	0.46
12.90	2.52	1.71	3.62	15.50	2.91	2.07	0.46
12.95	2.53	1.72	3.27	15.55	2.91	2.08	0.45

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.08	0.44	18.20	3.10	2.25	0.27
15.65	2.92	2.09	0.44	18.25	3.10	2.25	0.27
15.70	2.92	2.09	0.43	18.30	3.10	2.26	0.27
15.75	2.93	2.09	0.43	18.35	3.10	2.26	0.27
15.80	2.93	2.10	0.43	18.40	3.11	2.26	0.26
15.85	2.94	2.10	0.42	18.45	3.11	2.26	0.26
15.90	2.94	2.10	0.42	18.50	3.11	2.27	0.26
15.95	2.94	2.11	0.41	18.55	3.11	2.27	0.26
16.00	2.95	2.11	0.41	18.60	3.12	2.27	0.25
16.05	2.95	2.12	0.41	18.65	3.12	2.27	0.25
16.10	2.96	2.12	0.40	18.70	3.12	2.28	0.25
16.15	2.96	2.12	0.40	18.75	3.12	2.28	0.25
16.20	2.96	2.13	0.40	18.80	3.13	2.28	0.25
16.25	2.97	2.13	0.39	18.85	3.13	2.28	0.25
16.30	2.97	2.14	0.39	18.90	3.13	2.29	0.25
16.35	2.98	2.14	0.39	18.95	3.13	2.29	0.25
16.40	2.98	2.14	0.38	19.00	3.14	2.29	0.25
16.45	2.98	2.15	0.38	19.05	3.14	2.29	0.25
16.50	2.99	2.15	0.38	19.10	3.14	2.30	0.24
16.55	2.99	2.15	0.38	19.15	3.14	2.30	0.24
16.60	3.00	2.16	0.37	19.20	3.15	2.30	0.24
16.65	3.00	2.16	0.37	19.25	3.15	2.30	0.24
16.70	3.00	2.16	0.37	19.30	3.15	2.31	0.24
16.75	3.01	2.17	0.36	19.35	3.15	2.31	0.24
16.80	3.01	2.17	0.36	19.40	3.16	2.31	0.24
16.85	3.01	2.17	0.36	19.45	3.16	2.31	0.24
16.90	3.02	2.18	0.35	19.50	3.16	2.31	0.24
16.95	3.02	2.18	0.35	19.55	3.16	2.32	0.24
17.00	3.02	2.18	0.35	19.60	3.17	2.32	0.24
17.05	3.03	2.19	0.34	19.65	3.17	2.32	0.24
17.10	3.03	2.19	0.34	19.70	3.17	2.32	0.23
17.15	3.03	2.19	0.34	19.75	3.17	2.33	0.23
17.20	3.04	2.20	0.34	19.80	3.18	2.33	0.23
17.25	3.04	2.20	0.33	19.85	3.18	2.33	0.23
17.30	3.04	2.20	0.33	19.90	3.18	2.33	0.23
17.35	3.05	2.20	0.33	19.95	3.18	2.34	0.23
17.40	3.05	2.21	0.32	20.00	3.19	2.34	0.23
17.45	3.05	2.21	0.32	20.05	3.19	2.34	0.23
17.50	3.06	2.21	0.32	20.10	3.19	2.34	0.23
17.55	3.06	2.22	0.31	20.15	3.19	2.34	0.23
17.60	3.06	2.22	0.31	20.20	3.20	2.35	0.23
17.65	3.06	2.22	0.31	20.25	3.20	2.35	0.23
17.70	3.07	2.22	0.30	20.30	3.20	2.35	0.23
17.75	3.07	2.23	0.30	20.35	3.20	2.35	0.22
17.80	3.07	2.23	0.30	20.40	3.20	2.36	0.22
17.85	3.08	2.23	0.30	20.45	3.21	2.36	0.22
17.90	3.08	2.24	0.29	20.50	3.21	2.36	0.22
17.95	3.08	2.24	0.29	20.55	3.21	2.36	0.22
18.00	3.08	2.24	0.29	20.60	3.21	2.36	0.22
18.05	3.09	2.24	0.28	20.65	3.22	2.37	0.22
18.10	3.09	2.25	0.28	20.70	3.22	2.37	0.22
18.15	3.09	2.25	0.28	20.75	3.22	2.37	0.22

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.37	0.22	23.40	3.33	2.47	0.18
20.85	3.23	2.37	0.22	23.45	3.33	2.47	0.18
20.90	3.23	2.38	0.22	23.50	3.33	2.48	0.18
20.95	3.23	2.38	0.22	23.55	3.33	2.48	0.18
21.00	3.23	2.38	0.21	23.60	3.34	2.48	0.17
21.05	3.23	2.38	0.21	23.65	3.34	2.48	0.17
21.10	3.24	2.39	0.21	23.70	3.34	2.48	0.17
21.15	3.24	2.39	0.21	23.75	3.34	2.48	0.17
21.20	3.24	2.39	0.21	23.80	3.34	2.49	0.17
21.25	3.24	2.39	0.21	23.85	3.34	2.49	0.17
21.30	3.24	2.39	0.21	23.90	3.35	2.49	0.17
21.35	3.25	2.40	0.21	23.95	3.35	2.49	0.17
21.40	3.25	2.40	0.21	24.00	**3.35**	**2.49**	0.17
21.45	3.25	2.40	0.21	24.05	3.35	2.49	0.17
21.50	3.25	2.40	0.21	24.10	3.35	2.49	0.17
21.55	3.26	2.40	0.21	24.15	3.35	2.49	0.17
21.60	3.26	2.41	0.21	24.20	3.35	2.49	0.16
21.65	3.26	2.41	0.20	24.25	3.35	2.49	0.15
21.70	3.26	2.41	0.20	24.30	3.35	2.49	0.14
21.75	3.26	2.41	0.20	24.35	3.35	2.49	0.12
21.80	3.27	2.41	0.20	24.40	3.35	2.49	0.11
21.85	3.27	2.42	0.20	24.45	3.35	2.49	0.09
21.90	3.27	2.42	0.20	24.50	3.35	2.49	0.07
21.95	3.27	2.42	0.20	24.55	3.35	2.49	0.06
22.00	3.27	2.42	0.20	24.60	3.35	2.49	0.04
22.05	3.28	2.42	0.20	24.65	3.35	2.49	0.04
22.10	3.28	2.43	0.20	24.70	3.35	2.49	0.03
22.15	3.28	2.43	0.20	24.75	3.35	2.49	0.02
22.20	3.28	2.43	0.20	24.80	3.35	2.49	0.02
22.25	3.28	2.43	0.20	24.85	3.35	2.49	0.01
22.30	3.29	2.43	0.19	24.90	3.35	2.49	0.01
22.35	3.29	2.43	0.19	24.95	3.35	2.49	0.01
22.40	3.29	2.44	0.19	25.00	3.35	2.49	0.01
22.45	3.29	2.44	0.19	25.05	3.35	2.49	0.01
22.50	3.29	2.44	0.19	25.10	3.35	2.49	0.00
22.55	3.30	2.44	0.19	25.15	3.35	2.49	0.00
22.60	3.30	2.44	0.19	25.20	3.35	2.49	0.00
22.65	3.30	2.45	0.19	25.25	3.35	2.49	0.00
22.70	3.30	2.45	0.19	25.30	3.35	2.49	0.00
22.75	3.30	2.45	0.19	25.35	3.35	2.49	0.00
22.80	3.31	2.45	0.19	25.40	3.35	2.49	0.00
22.85	3.31	2.45	0.19	25.45	3.35	2.49	0.00
22.90	3.31	2.45	0.19	25.50	3.35	2.49	0.00
22.95	3.31	2.46	0.18	25.55	3.35	2.49	0.00
23.00	3.31	2.46	0.18	25.60	3.35	2.49	0.00
23.05	3.32	2.46	0.18	25.65	3.35	2.49	0.00
23.10	3.32	2.46	0.18	25.70	3.35	2.49	0.00
23.15	3.32	2.46	0.18	25.75	3.35	2.49	0.00
23.20	3.32	2.47	0.18	25.80	3.35	2.49	0.00
23.25	3.32	2.47	0.18	25.85	3.35	2.49	0.00
23.30	3.32	2.47	0.18	25.90	3.35	2.49	0.00
23.35	3.33	2.47	0.18	25.95	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	2.49	0.00	28.60	3.35	2.49	0.00
26.05	3.35	2.49	0.00	28.65	3.35	2.49	0.00
26.10	3.35	2.49	0.00	28.70	3.35	2.49	0.00
26.15	3.35	2.49	0.00	28.75	3.35	2.49	0.00
26.20	3.35	2.49	0.00	28.80	3.35	2.49	0.00
26.25	3.35	2.49	0.00	28.85	3.35	2.49	0.00
26.30	3.35	2.49	0.00	28.90	3.35	2.49	0.00
26.35	3.35	2.49	0.00	28.95	3.35	2.49	0.00
26.40	3.35	2.49	0.00	29.00	3.35	2.49	0.00
26.45	3.35	2.49	0.00	29.05	3.35	2.49	0.00
26.50	3.35	2.49	0.00	29.10	3.35	2.49	0.00
26.55	3.35	2.49	0.00	29.15	3.35	2.49	0.00
26.60	3.35	2.49	0.00	29.20	3.35	2.49	0.00
26.65	3.35	2.49	0.00	29.25	3.35	2.49	0.00
26.70	3.35	2.49	0.00	29.30	3.35	2.49	0.00
26.75	3.35	2.49	0.00	29.35	3.35	2.49	0.00
26.80	3.35	2.49	0.00	29.40	3.35	2.49	0.00
26.85	3.35	2.49	0.00	29.45	3.35	2.49	0.00
26.90	3.35	2.49	0.00	29.50	3.35	2.49	0.00
26.95	3.35	2.49	0.00	29.55	3.35	2.49	0.00
27.00	3.35	2.49	0.00	29.60	3.35	2.49	0.00
27.05	3.35	2.49	0.00	29.65	3.35	2.49	0.00
27.10	3.35	2.49	0.00	29.70	3.35	2.49	0.00
27.15	3.35	2.49	0.00	29.75	3.35	2.49	0.00
27.20	3.35	2.49	0.00	29.80	3.35	2.49	0.00
27.25	3.35	2.49	0.00	29.85	3.35	2.49	0.00
27.30	3.35	2.49	0.00	29.90	3.35	2.49	0.00
27.35	3.35	2.49	0.00	29.95	3.35	2.49	0.00
27.40	3.35	2.49	0.00	30.00	3.35	2.49	0.00
27.45	3.35	2.49	0.00	30.05	3.35	2.49	0.00
27.50	3.35	2.49	0.00	30.10	3.35	2.49	0.00
27.55	3.35	2.49	0.00	30.15	3.35	2.49	0.00
27.60	3.35	2.49	0.00	30.20	3.35	2.49	0.00
27.65	3.35	2.49	0.00	30.25	3.35	2.49	0.00
27.70	3.35	2.49	0.00	30.30	3.35	2.49	0.00
27.75	3.35	2.49	0.00	30.35	3.35	2.49	0.00
27.80	3.35	2.49	0.00	30.40	3.35	2.49	0.00
27.85	3.35	2.49	0.00	30.45	3.35	2.49	0.00
27.90	3.35	2.49	0.00	30.50	3.35	2.49	0.00
27.95	3.35	2.49	0.00	30.55	3.35	2.49	0.00
28.00	3.35	2.49	0.00	30.60	3.35	2.49	0.00
28.05	3.35	2.49	0.00	30.65	3.35	2.49	0.00
28.10	3.35	2.49	0.00	30.70	3.35	2.49	0.00
28.15	3.35	2.49	0.00	30.75	3.35	2.49	0.00
28.20	3.35	2.49	0.00	30.80	3.35	2.49	0.00
28.25	3.35	2.49	0.00	30.85	3.35	2.49	0.00
28.30	3.35	2.49	0.00	30.90	3.35	2.49	0.00
28.35	3.35	2.49	0.00	30.95	3.35	2.49	0.00
28.40	3.35	2.49	0.00	31.00	3.35	2.49	0.00
28.45	3.35	2.49	0.00	31.05	3.35	2.49	0.00
28.50	3.35	2.49	0.00	31.10	3.35	2.49	0.00
28.55	3.35	2.49	0.00	31.15	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	2.49	0.00	33.80	3.35	2.49	0.00
31.25	3.35	2.49	0.00	33.85	3.35	2.49	0.00
31.30	3.35	2.49	0.00	33.90	3.35	2.49	0.00
31.35	3.35	2.49	0.00	33.95	3.35	2.49	0.00
31.40	3.35	2.49	0.00	34.00	3.35	2.49	0.00
31.45	3.35	2.49	0.00	34.05	3.35	2.49	0.00
31.50	3.35	2.49	0.00	34.10	3.35	2.49	0.00
31.55	3.35	2.49	0.00	34.15	3.35	2.49	0.00
31.60	3.35	2.49	0.00	34.20	3.35	2.49	0.00
31.65	3.35	2.49	0.00	34.25	3.35	2.49	0.00
31.70	3.35	2.49	0.00	34.30	3.35	2.49	0.00
31.75	3.35	2.49	0.00	34.35	3.35	2.49	0.00
31.80	3.35	2.49	0.00	34.40	3.35	2.49	0.00
31.85	3.35	2.49	0.00	34.45	3.35	2.49	0.00
31.90	3.35	2.49	0.00	34.50	3.35	2.49	0.00
31.95	3.35	2.49	0.00	34.55	3.35	2.49	0.00
32.00	3.35	2.49	0.00	34.60	3.35	2.49	0.00
32.05	3.35	2.49	0.00	34.65	3.35	2.49	0.00
32.10	3.35	2.49	0.00	34.70	3.35	2.49	0.00
32.15	3.35	2.49	0.00	34.75	3.35	2.49	0.00
32.20	3.35	2.49	0.00	34.80	3.35	2.49	0.00
32.25	3.35	2.49	0.00	34.85	3.35	2.49	0.00
32.30	3.35	2.49	0.00	34.90	3.35	2.49	0.00
32.35	3.35	2.49	0.00	34.95	3.35	2.49	0.00
32.40	3.35	2.49	0.00	35.00	3.35	2.49	0.00
32.45	3.35	2.49	0.00	35.05	3.35	2.49	0.00
32.50	3.35	2.49	0.00	35.10	3.35	2.49	0.00
32.55	3.35	2.49	0.00	35.15	3.35	2.49	0.00
32.60	3.35	2.49	0.00	35.20	3.35	2.49	0.00
32.65	3.35	2.49	0.00	35.25	3.35	2.49	0.00
32.70	3.35	2.49	0.00	35.30	3.35	2.49	0.00
32.75	3.35	2.49	0.00	35.35	3.35	2.49	0.00
32.80	3.35	2.49	0.00	35.40	3.35	2.49	0.00
32.85	3.35	2.49	0.00	35.45	3.35	2.49	0.00
32.90	3.35	2.49	0.00	35.50	3.35	2.49	0.00
32.95	3.35	2.49	0.00	35.55	3.35	2.49	0.00
33.00	3.35	2.49	0.00	35.60	3.35	2.49	0.00
33.05	3.35	2.49	0.00	35.65	3.35	2.49	0.00
33.10	3.35	2.49	0.00	35.70	3.35	2.49	0.00
33.15	3.35	2.49	0.00	35.75	3.35	2.49	0.00
33.20	3.35	2.49	0.00	35.80	3.35	2.49	0.00
33.25	3.35	2.49	0.00	35.85	3.35	2.49	0.00
33.30	3.35	2.49	0.00	35.90	3.35	2.49	0.00
33.35	3.35	2.49	0.00	35.95	3.35	2.49	0.00
33.40	3.35	2.49	0.00	36.00	3.35	2.49	0.00
33.45	3.35	2.49	0.00	36.05	3.35	2.49	0.00
33.50	3.35	2.49	0.00	36.10	3.35	2.49	0.00
33.55	3.35	2.49	0.00	36.15	3.35	2.49	0.00
33.60	3.35	2.49	0.00	36.20	3.35	2.49	0.00
33.65	3.35	2.49	0.00	36.25	3.35	2.49	0.00
33.70	3.35	2.49	0.00	36.30	3.35	2.49	0.00
33.75	3.35	2.49	0.00	36.35	3.35	2.49	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	2.49	0.00
36.45	3.35	2.49	0.00
36.50	3.35	2.49	0.00
36.55	3.35	2.49	0.00
36.60	3.35	2.49	0.00
36.65	3.35	2.49	0.00
36.70	3.35	2.49	0.00
36.75	3.35	2.49	0.00
36.80	3.35	2.49	0.00
36.85	3.35	2.49	0.00
36.90	3.35	2.49	0.00
36.95	3.35	2.49	0.00
37.00	3.35	2.49	0.00
37.05	3.35	2.49	0.00
37.10	3.35	2.49	0.00
37.15	3.35	2.49	0.00
37.20	3.35	2.49	0.00
37.25	3.35	2.49	0.00
37.30	3.35	2.49	0.00
37.35	3.35	2.49	0.00
37.40	3.35	2.49	0.00
37.45	3.35	2.49	0.00
37.50	3.35	2.49	0.00
37.55	3.35	2.49	0.00
37.60	3.35	2.49	0.00
37.65	3.35	2.49	0.00
37.70	3.35	2.49	0.00
37.75	3.35	2.49	0.00
37.80	3.35	2.49	0.00
37.85	3.35	2.49	0.00
37.90	3.35	2.49	0.00
37.95	3.35	2.49	0.00
38.00	3.35	2.49	0.00
38.05	3.35	2.49	0.00
38.10	3.35	2.49	0.00
38.15	3.35	2.49	0.00
38.20	3.35	2.49	0.00
38.25	3.35	2.49	0.00
38.30	3.35	2.49	0.00
38.35	3.35	2.49	0.00
38.40	3.35	2.49	0.00
38.45	3.35	2.49	0.00
38.50	3.35	2.49	0.00
38.55	3.35	2.49	0.00
38.60	3.35	2.49	0.00
38.65	3.35	2.49	0.00
38.70	3.35	2.49	0.00
38.75	3.35	2.49	0.00
38.80	3.35	2.49	0.00
38.85	3.35	2.49	0.00
38.90	3.35	2.49	0.00
38.95	3.35	2.49	0.00
39.00	3.35	2.49	0.00
39.05	3.35	2.49	0.00
39.10	3.35	2.49	0.00
39.15	3.35	2.49	0.00
39.20	3.35	2.49	0.00
39.25	3.35	2.49	0.00
39.30	3.35	2.49	0.00
39.35	3.35	2.49	0.00
39.40	3.35	2.49	0.00
39.45	3.35	2.49	0.00
39.50	3.35	2.49	0.00
39.55	3.35	2.49	0.00
39.60	3.35	2.49	0.00
39.65	3.35	2.49	0.00
39.70	3.35	2.49	0.00
39.75	3.35	2.49	0.00
39.80	3.35	2.49	0.00
39.85	3.35	2.49	0.00
39.90	3.35	2.49	0.00
39.95	3.35	2.49	0.00
40.00	3.35	2.49	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

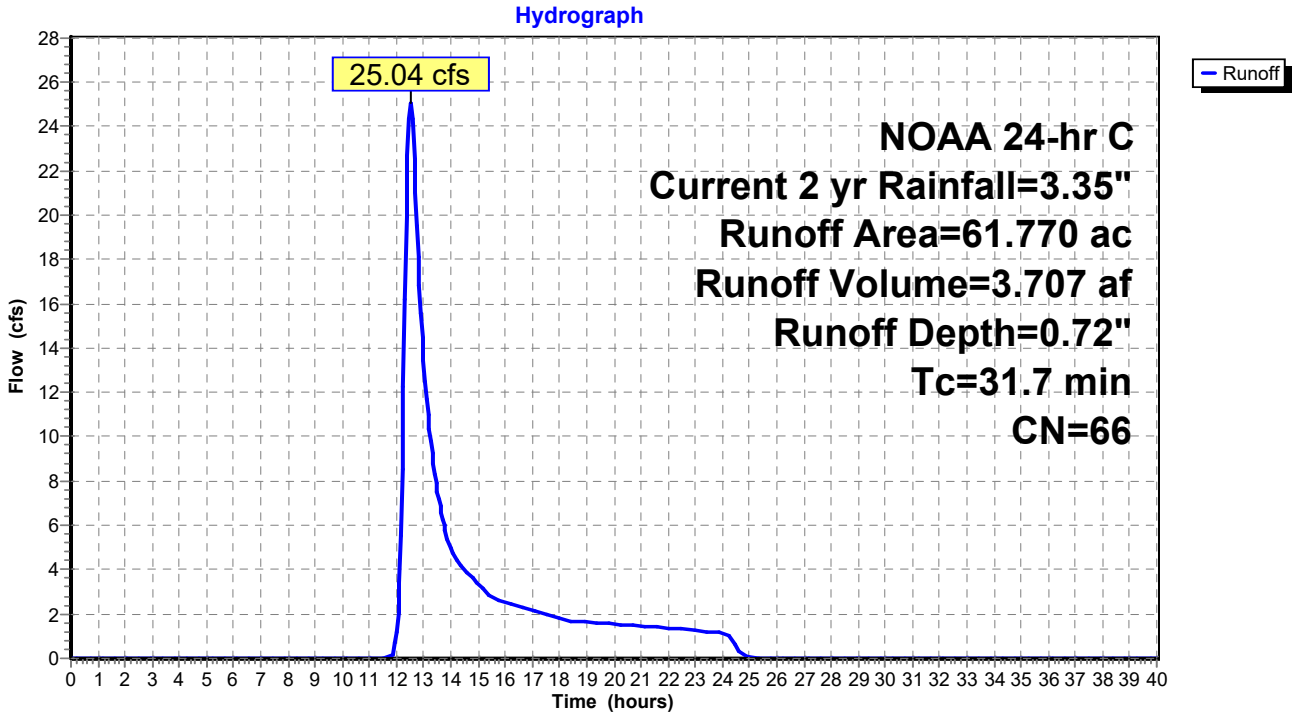
Runoff = 25.04 cfs @ 12.51 hrs, Volume= 3.707 af, Depth= 0.72"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.34	13.41
10.45	0.68	0.00	0.00	13.05	2.56	0.35	12.50
10.50	0.69	0.00	0.00	13.10	2.57	0.36	11.70
10.55	0.70	0.00	0.00	13.15	2.58	0.36	10.99
10.60	0.71	0.00	0.00	13.20	2.60	0.37	10.35
10.65	0.72	0.00	0.00	13.25	2.61	0.37	9.77
10.70	0.73	0.00	0.00	13.30	2.62	0.37	9.24
10.75	0.74	0.00	0.00	13.35	2.63	0.38	8.76
10.80	0.75	0.00	0.00	13.40	2.64	0.38	8.31
10.85	0.77	0.00	0.00	13.45	2.65	0.39	7.90
10.90	0.78	0.00	0.00	13.50	2.66	0.39	7.52
10.95	0.79	0.00	0.00	13.55	2.67	0.40	7.18
11.00	0.80	0.00	0.00	13.60	2.68	0.40	6.85
11.05	0.82	0.00	0.00	13.65	2.68	0.40	6.55
11.10	0.83	0.00	0.00	13.70	2.69	0.41	6.27
11.15	0.85	0.00	0.00	13.75	2.70	0.41	5.99
11.20	0.87	0.00	0.00	13.80	2.71	0.41	5.73
11.25	0.89	0.00	0.00	13.85	2.72	0.42	5.49
11.30	0.91	0.00	0.00	13.90	2.72	0.42	5.28
11.35	0.93	0.00	0.00	13.95	2.73	0.42	5.09
11.40	0.95	0.00	0.00	14.00	2.74	0.43	4.93
11.45	0.97	0.00	0.00	14.05	2.75	0.43	4.79
11.50	0.99	0.00	0.00	14.10	2.75	0.43	4.66
11.55	1.02	0.00	0.00	14.15	2.76	0.44	4.56
11.60	1.06	0.00	0.00	14.20	2.77	0.44	4.46
11.65	1.09	0.00	0.00	14.25	2.77	0.44	4.37
11.70	1.13	0.00	0.01	14.30	2.78	0.44	4.29
11.75	1.18	0.00	0.03	14.35	2.79	0.45	4.21
11.80	1.23	0.01	0.07	14.40	2.79	0.45	4.14
11.85	1.29	0.01	0.17	14.45	2.80	0.45	4.07
11.90	1.36	0.02	0.36	14.50	2.81	0.46	4.00
11.95	1.48	0.04	0.67	14.55	2.81	0.46	3.94
12.00	1.60	0.06	1.19	14.60	2.82	0.46	3.87
12.05	1.79	0.10	2.03	14.65	2.82	0.46	3.81
12.10	1.99	0.15	3.40	14.70	2.83	0.47	3.74
12.15	2.06	0.17	5.53	14.75	2.84	0.47	3.68
12.20	2.12	0.19	8.52	14.80	2.84	0.47	3.62
12.25	2.17	0.21	12.21	14.85	2.85	0.47	3.56
12.30	2.22	0.22	16.20	14.90	2.85	0.48	3.49
12.35	2.26	0.24	19.90	14.95	2.86	0.48	3.43
12.40	2.29	0.25	22.65	15.00	2.86	0.48	3.37
12.45	2.33	0.26	24.36	15.05	2.87	0.48	3.30
12.50	2.36	0.27	**25.02**	15.10	2.87	0.48	3.24
12.55	2.38	0.28	24.78	15.15	2.87	0.49	3.18
12.60	2.40	0.29	23.88	15.20	2.88	0.49	3.11
12.65	2.42	0.30	22.53	15.25	2.88	0.49	3.05
12.70	2.44	0.30	20.99	15.30	2.89	0.49	2.99
12.75	2.46	0.31	19.52	15.35	2.89	0.49	2.93
12.80	2.48	0.32	18.12	15.40	2.90	0.50	2.88
12.85	2.50	0.33	16.80	15.45	2.90	0.50	2.83
12.90	2.52	0.33	15.56	15.50	2.91	0.50	2.79
12.95	2.53	0.34	14.42	15.55	2.91	0.50	2.75

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.50	2.72	18.20	3.10	0.59	1.77
15.65	2.92	0.51	2.69	18.25	3.10	0.59	1.75
15.70	2.92	0.51	2.66	18.30	3.10	0.59	1.74
15.75	2.93	0.51	2.64	18.35	3.10	0.59	1.72
15.80	2.93	0.51	2.62	18.40	3.11	0.60	1.70
15.85	2.94	0.51	2.60	18.45	3.11	0.60	1.69
15.90	2.94	0.52	2.58	18.50	3.11	0.60	1.68
15.95	2.94	0.52	2.56	18.55	3.11	0.60	1.67
16.00	2.95	0.52	2.54	18.60	3.12	0.60	1.66
16.05	2.95	0.52	2.52	18.65	3.12	0.60	1.65
16.10	2.96	0.52	2.50	18.70	3.12	0.60	1.64
16.15	2.96	0.53	2.49	18.75	3.12	0.61	1.64
16.20	2.96	0.53	2.47	18.80	3.13	0.61	1.63
16.25	2.97	0.53	2.45	18.85	3.13	0.61	1.63
16.30	2.97	0.53	2.44	18.90	3.13	0.61	1.62
16.35	2.98	0.53	2.42	18.95	3.13	0.61	1.61
16.40	2.98	0.54	2.40	19.00	3.14	0.61	1.61
16.45	2.98	0.54	2.39	19.05	3.14	0.61	1.61
16.50	2.99	0.54	2.37	19.10	3.14	0.61	1.60
16.55	2.99	0.54	2.35	19.15	3.14	0.62	1.60
16.60	3.00	0.54	2.34	19.20	3.15	0.62	1.59
16.65	3.00	0.54	2.32	19.25	3.15	0.62	1.59
16.70	3.00	0.55	2.30	19.30	3.15	0.62	1.58
16.75	3.01	0.55	2.29	19.35	3.15	0.62	1.58
16.80	3.01	0.55	2.27	19.40	3.16	0.62	1.58
16.85	3.01	0.55	2.25	19.45	3.16	0.62	1.57
16.90	3.02	0.55	2.24	19.50	3.16	0.62	1.57
16.95	3.02	0.55	2.22	19.55	3.16	0.63	1.56
17.00	3.02	0.56	2.20	19.60	3.17	0.63	1.56
17.05	3.03	0.56	2.18	19.65	3.17	0.63	1.56
17.10	3.03	0.56	2.17	19.70	3.17	0.63	1.55
17.15	3.03	0.56	2.15	19.75	3.17	0.63	1.55
17.20	3.04	0.56	2.13	19.80	3.18	0.63	1.54
17.25	3.04	0.56	2.12	19.85	3.18	0.63	1.54
17.30	3.04	0.57	2.10	19.90	3.18	0.63	1.54
17.35	3.05	0.57	2.08	19.95	3.18	0.63	1.53
17.40	3.05	0.57	2.06	20.00	3.19	0.64	1.53
17.45	3.05	0.57	2.05	20.05	3.19	0.64	1.52
17.50	3.06	0.57	2.03	20.10	3.19	0.64	1.52
17.55	3.06	0.57	2.01	20.15	3.19	0.64	1.52
17.60	3.06	0.57	1.99	20.20	3.20	0.64	1.51
17.65	3.06	0.58	1.97	20.25	3.20	0.64	1.51
17.70	3.07	0.58	1.95	20.30	3.20	0.64	1.50
17.75	3.07	0.58	1.94	20.35	3.20	0.64	1.50
17.80	3.07	0.58	1.92	20.40	3.20	0.65	1.49
17.85	3.08	0.58	1.90	20.45	3.21	0.65	1.49
17.90	3.08	0.58	1.88	20.50	3.21	0.65	1.48
17.95	3.08	0.58	1.86	20.55	3.21	0.65	1.48
18.00	3.08	0.59	1.85	20.60	3.21	0.65	1.48
18.05	3.09	0.59	1.83	20.65	3.22	0.65	1.47
18.10	3.09	0.59	1.81	20.70	3.22	0.65	1.47
18.15	3.09	0.59	1.79	20.75	3.22	0.65	1.46

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.65	1.46	23.40	3.33	0.71	1.22
20.85	3.23	0.66	1.46	23.45	3.33	0.71	1.22
20.90	3.23	0.66	1.45	23.50	3.33	0.71	1.21
20.95	3.23	0.66	1.45	23.55	3.33	0.71	1.21
21.00	3.23	0.66	1.44	23.60	3.34	0.71	1.20
21.05	3.23	0.66	1.44	23.65	3.34	0.71	1.20
21.10	3.24	0.66	1.43	23.70	3.34	0.71	1.19
21.15	3.24	0.66	1.43	23.75	3.34	0.72	1.19
21.20	3.24	0.66	1.42	23.80	3.34	0.72	1.18
21.25	3.24	0.66	1.42	23.85	3.34	0.72	1.18
21.30	3.24	0.67	1.41	23.90	3.35	0.72	1.17
21.35	3.25	0.67	1.41	23.95	3.35	0.72	1.17
21.40	3.25	0.67	1.41	24.00	**3.35**	**0.72**	1.16
21.45	3.25	0.67	1.40	24.05	3.35	0.72	1.16
21.50	3.25	0.67	1.40	24.10	3.35	0.72	1.16
21.55	3.26	0.67	1.39	24.15	3.35	0.72	1.15
21.60	3.26	0.67	1.39	24.20	3.35	0.72	1.12
21.65	3.26	0.67	1.38	24.25	3.35	0.72	1.06
21.70	3.26	0.67	1.38	24.30	3.35	0.72	0.97
21.75	3.26	0.68	1.38	24.35	3.35	0.72	0.86
21.80	3.27	0.68	1.37	24.40	3.35	0.72	0.74
21.85	3.27	0.68	1.37	24.45	3.35	0.72	0.61
21.90	3.27	0.68	1.36	24.50	3.35	0.72	0.50
21.95	3.27	0.68	1.36	24.55	3.35	0.72	0.40
22.00	3.27	0.68	1.35	24.60	3.35	0.72	0.31
22.05	3.28	0.68	1.35	24.65	3.35	0.72	0.24
22.10	3.28	0.68	1.34	24.70	3.35	0.72	0.19
22.15	3.28	0.68	1.34	24.75	3.35	0.72	0.15
22.20	3.28	0.69	1.33	24.80	3.35	0.72	0.12
22.25	3.28	0.69	1.33	24.85	3.35	0.72	0.10
22.30	3.29	0.69	1.33	24.90	3.35	0.72	0.08
22.35	3.29	0.69	1.32	24.95	3.35	0.72	0.06
22.40	3.29	0.69	1.32	25.00	3.35	0.72	0.05
22.45	3.29	0.69	1.31	25.05	3.35	0.72	0.04
22.50	3.29	0.69	1.31	25.10	3.35	0.72	0.03
22.55	3.30	0.69	1.30	25.15	3.35	0.72	0.02
22.60	3.30	0.69	1.30	25.20	3.35	0.72	0.02
22.65	3.30	0.69	1.29	25.25	3.35	0.72	0.01
22.70	3.30	0.70	1.29	25.30	3.35	0.72	0.01
22.75	3.30	0.70	1.28	25.35	3.35	0.72	0.01
22.80	3.31	0.70	1.28	25.40	3.35	0.72	0.01
22.85	3.31	0.70	1.27	25.45	3.35	0.72	0.00
22.90	3.31	0.70	1.27	25.50	3.35	0.72	0.00
22.95	3.31	0.70	1.26	25.55	3.35	0.72	0.00
23.00	3.31	0.70	1.26	25.60	3.35	0.72	0.00
23.05	3.32	0.70	1.25	25.65	3.35	0.72	0.00
23.10	3.32	0.70	1.25	25.70	3.35	0.72	0.00
23.15	3.32	0.70	1.24	25.75	3.35	0.72	0.00
23.20	3.32	0.70	1.24	25.80	3.35	0.72	0.00
23.25	3.32	0.71	1.24	25.85	3.35	0.72	0.00
23.30	3.32	0.71	1.23	25.90	3.35	0.72	0.00
23.35	3.33	0.71	1.23	25.95	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.72	0.00	28.60	3.35	0.72	0.00
26.05	3.35	0.72	0.00	28.65	3.35	0.72	0.00
26.10	3.35	0.72	0.00	28.70	3.35	0.72	0.00
26.15	3.35	0.72	0.00	28.75	3.35	0.72	0.00
26.20	3.35	0.72	0.00	28.80	3.35	0.72	0.00
26.25	3.35	0.72	0.00	28.85	3.35	0.72	0.00
26.30	3.35	0.72	0.00	28.90	3.35	0.72	0.00
26.35	3.35	0.72	0.00	28.95	3.35	0.72	0.00
26.40	3.35	0.72	0.00	29.00	3.35	0.72	0.00
26.45	3.35	0.72	0.00	29.05	3.35	0.72	0.00
26.50	3.35	0.72	0.00	29.10	3.35	0.72	0.00
26.55	3.35	0.72	0.00	29.15	3.35	0.72	0.00
26.60	3.35	0.72	0.00	29.20	3.35	0.72	0.00
26.65	3.35	0.72	0.00	29.25	3.35	0.72	0.00
26.70	3.35	0.72	0.00	29.30	3.35	0.72	0.00
26.75	3.35	0.72	0.00	29.35	3.35	0.72	0.00
26.80	3.35	0.72	0.00	29.40	3.35	0.72	0.00
26.85	3.35	0.72	0.00	29.45	3.35	0.72	0.00
26.90	3.35	0.72	0.00	29.50	3.35	0.72	0.00
26.95	3.35	0.72	0.00	29.55	3.35	0.72	0.00
27.00	3.35	0.72	0.00	29.60	3.35	0.72	0.00
27.05	3.35	0.72	0.00	29.65	3.35	0.72	0.00
27.10	3.35	0.72	0.00	29.70	3.35	0.72	0.00
27.15	3.35	0.72	0.00	29.75	3.35	0.72	0.00
27.20	3.35	0.72	0.00	29.80	3.35	0.72	0.00
27.25	3.35	0.72	0.00	29.85	3.35	0.72	0.00
27.30	3.35	0.72	0.00	29.90	3.35	0.72	0.00
27.35	3.35	0.72	0.00	29.95	3.35	0.72	0.00
27.40	3.35	0.72	0.00	30.00	3.35	0.72	0.00
27.45	3.35	0.72	0.00	30.05	3.35	0.72	0.00
27.50	3.35	0.72	0.00	30.10	3.35	0.72	0.00
27.55	3.35	0.72	0.00	30.15	3.35	0.72	0.00
27.60	3.35	0.72	0.00	30.20	3.35	0.72	0.00
27.65	3.35	0.72	0.00	30.25	3.35	0.72	0.00
27.70	3.35	0.72	0.00	30.30	3.35	0.72	0.00
27.75	3.35	0.72	0.00	30.35	3.35	0.72	0.00
27.80	3.35	0.72	0.00	30.40	3.35	0.72	0.00
27.85	3.35	0.72	0.00	30.45	3.35	0.72	0.00
27.90	3.35	0.72	0.00	30.50	3.35	0.72	0.00
27.95	3.35	0.72	0.00	30.55	3.35	0.72	0.00
28.00	3.35	0.72	0.00	30.60	3.35	0.72	0.00
28.05	3.35	0.72	0.00	30.65	3.35	0.72	0.00
28.10	3.35	0.72	0.00	30.70	3.35	0.72	0.00
28.15	3.35	0.72	0.00	30.75	3.35	0.72	0.00
28.20	3.35	0.72	0.00	30.80	3.35	0.72	0.00
28.25	3.35	0.72	0.00	30.85	3.35	0.72	0.00
28.30	3.35	0.72	0.00	30.90	3.35	0.72	0.00
28.35	3.35	0.72	0.00	30.95	3.35	0.72	0.00
28.40	3.35	0.72	0.00	31.00	3.35	0.72	0.00
28.45	3.35	0.72	0.00	31.05	3.35	0.72	0.00
28.50	3.35	0.72	0.00	31.10	3.35	0.72	0.00
28.55	3.35	0.72	0.00	31.15	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.72	0.00	33.80	3.35	0.72	0.00
31.25	3.35	0.72	0.00	33.85	3.35	0.72	0.00
31.30	3.35	0.72	0.00	33.90	3.35	0.72	0.00
31.35	3.35	0.72	0.00	33.95	3.35	0.72	0.00
31.40	3.35	0.72	0.00	34.00	3.35	0.72	0.00
31.45	3.35	0.72	0.00	34.05	3.35	0.72	0.00
31.50	3.35	0.72	0.00	34.10	3.35	0.72	0.00
31.55	3.35	0.72	0.00	34.15	3.35	0.72	0.00
31.60	3.35	0.72	0.00	34.20	3.35	0.72	0.00
31.65	3.35	0.72	0.00	34.25	3.35	0.72	0.00
31.70	3.35	0.72	0.00	34.30	3.35	0.72	0.00
31.75	3.35	0.72	0.00	34.35	3.35	0.72	0.00
31.80	3.35	0.72	0.00	34.40	3.35	0.72	0.00
31.85	3.35	0.72	0.00	34.45	3.35	0.72	0.00
31.90	3.35	0.72	0.00	34.50	3.35	0.72	0.00
31.95	3.35	0.72	0.00	34.55	3.35	0.72	0.00
32.00	3.35	0.72	0.00	34.60	3.35	0.72	0.00
32.05	3.35	0.72	0.00	34.65	3.35	0.72	0.00
32.10	3.35	0.72	0.00	34.70	3.35	0.72	0.00
32.15	3.35	0.72	0.00	34.75	3.35	0.72	0.00
32.20	3.35	0.72	0.00	34.80	3.35	0.72	0.00
32.25	3.35	0.72	0.00	34.85	3.35	0.72	0.00
32.30	3.35	0.72	0.00	34.90	3.35	0.72	0.00
32.35	3.35	0.72	0.00	34.95	3.35	0.72	0.00
32.40	3.35	0.72	0.00	35.00	3.35	0.72	0.00
32.45	3.35	0.72	0.00	35.05	3.35	0.72	0.00
32.50	3.35	0.72	0.00	35.10	3.35	0.72	0.00
32.55	3.35	0.72	0.00	35.15	3.35	0.72	0.00
32.60	3.35	0.72	0.00	35.20	3.35	0.72	0.00
32.65	3.35	0.72	0.00	35.25	3.35	0.72	0.00
32.70	3.35	0.72	0.00	35.30	3.35	0.72	0.00
32.75	3.35	0.72	0.00	35.35	3.35	0.72	0.00
32.80	3.35	0.72	0.00	35.40	3.35	0.72	0.00
32.85	3.35	0.72	0.00	35.45	3.35	0.72	0.00
32.90	3.35	0.72	0.00	35.50	3.35	0.72	0.00
32.95	3.35	0.72	0.00	35.55	3.35	0.72	0.00
33.00	3.35	0.72	0.00	35.60	3.35	0.72	0.00
33.05	3.35	0.72	0.00	35.65	3.35	0.72	0.00
33.10	3.35	0.72	0.00	35.70	3.35	0.72	0.00
33.15	3.35	0.72	0.00	35.75	3.35	0.72	0.00
33.20	3.35	0.72	0.00	35.80	3.35	0.72	0.00
33.25	3.35	0.72	0.00	35.85	3.35	0.72	0.00
33.30	3.35	0.72	0.00	35.90	3.35	0.72	0.00
33.35	3.35	0.72	0.00	35.95	3.35	0.72	0.00
33.40	3.35	0.72	0.00	36.00	3.35	0.72	0.00
33.45	3.35	0.72	0.00	36.05	3.35	0.72	0.00
33.50	3.35	0.72	0.00	36.10	3.35	0.72	0.00
33.55	3.35	0.72	0.00	36.15	3.35	0.72	0.00
33.60	3.35	0.72	0.00	36.20	3.35	0.72	0.00
33.65	3.35	0.72	0.00	36.25	3.35	0.72	0.00
33.70	3.35	0.72	0.00	36.30	3.35	0.72	0.00
33.75	3.35	0.72	0.00	36.35	3.35	0.72	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.72	0.00
36.45	3.35	0.72	0.00
36.50	3.35	0.72	0.00
36.55	3.35	0.72	0.00
36.60	3.35	0.72	0.00
36.65	3.35	0.72	0.00
36.70	3.35	0.72	0.00
36.75	3.35	0.72	0.00
36.80	3.35	0.72	0.00
36.85	3.35	0.72	0.00
36.90	3.35	0.72	0.00
36.95	3.35	0.72	0.00
37.00	3.35	0.72	0.00
37.05	3.35	0.72	0.00
37.10	3.35	0.72	0.00
37.15	3.35	0.72	0.00
37.20	3.35	0.72	0.00
37.25	3.35	0.72	0.00
37.30	3.35	0.72	0.00
37.35	3.35	0.72	0.00
37.40	3.35	0.72	0.00
37.45	3.35	0.72	0.00
37.50	3.35	0.72	0.00
37.55	3.35	0.72	0.00
37.60	3.35	0.72	0.00
37.65	3.35	0.72	0.00
37.70	3.35	0.72	0.00
37.75	3.35	0.72	0.00
37.80	3.35	0.72	0.00
37.85	3.35	0.72	0.00
37.90	3.35	0.72	0.00
37.95	3.35	0.72	0.00
38.00	3.35	0.72	0.00
38.05	3.35	0.72	0.00
38.10	3.35	0.72	0.00
38.15	3.35	0.72	0.00
38.20	3.35	0.72	0.00
38.25	3.35	0.72	0.00
38.30	3.35	0.72	0.00
38.35	3.35	0.72	0.00
38.40	3.35	0.72	0.00
38.45	3.35	0.72	0.00
38.50	3.35	0.72	0.00
38.55	3.35	0.72	0.00
38.60	3.35	0.72	0.00
38.65	3.35	0.72	0.00
38.70	3.35	0.72	0.00
38.75	3.35	0.72	0.00
38.80	3.35	0.72	0.00
38.85	3.35	0.72	0.00
38.90	3.35	0.72	0.00
38.95	3.35	0.72	0.00
39.00	3.35	0.72	0.00
39.05	3.35	0.72	0.00
39.10	3.35	0.72	0.00
39.15	3.35	0.72	0.00
39.20	3.35	0.72	0.00
39.25	3.35	0.72	0.00
39.30	3.35	0.72	0.00
39.35	3.35	0.72	0.00
39.40	3.35	0.72	0.00
39.45	3.35	0.72	0.00
39.50	3.35	0.72	0.00
39.55	3.35	0.72	0.00
39.60	3.35	0.72	0.00
39.65	3.35	0.72	0.00
39.70	3.35	0.72	0.00
39.75	3.35	0.72	0.00
39.80	3.35	0.72	0.00
39.85	3.35	0.72	0.00
39.90	3.35	0.72	0.00
39.95	3.35	0.72	0.00
40.00	3.35	0.72	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

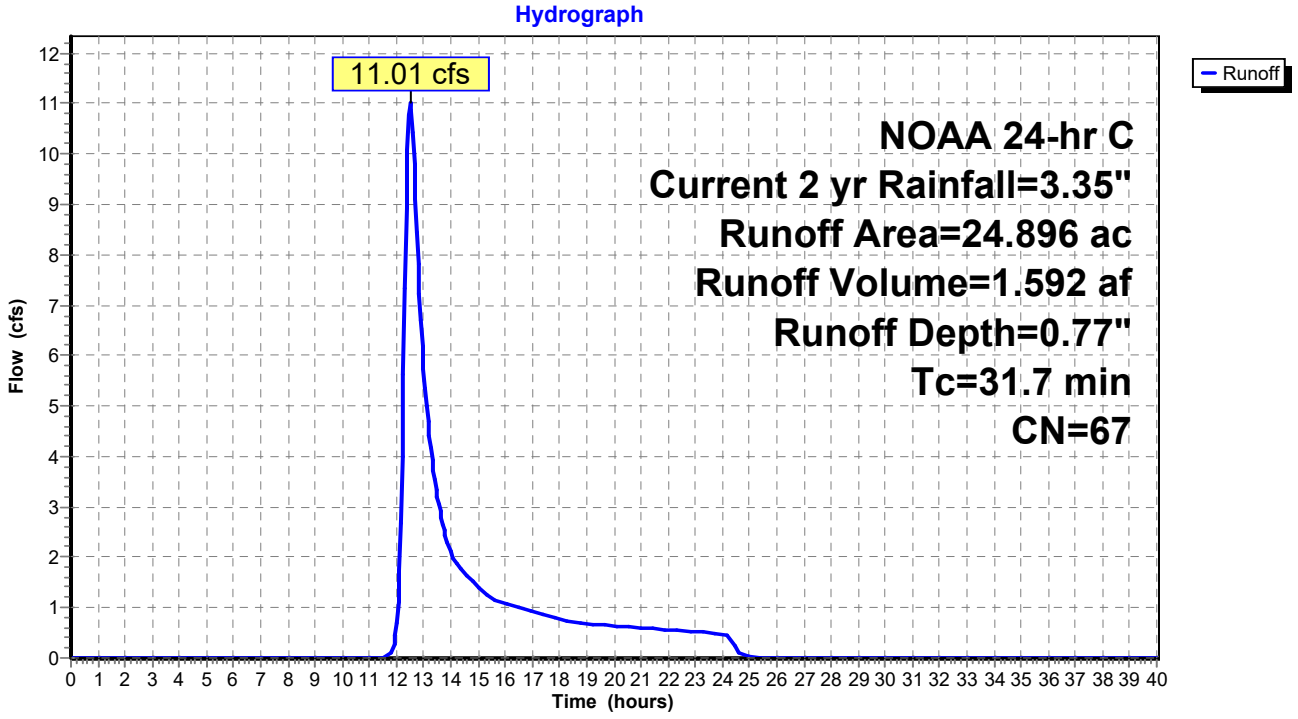
Runoff = 11.01 cfs @ 12.51 hrs, Volume= 1.592 af, Depth= 0.77"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.38	5.75
10.45	0.68	0.00	0.00	13.05	2.56	0.38	5.35
10.50	0.69	0.00	0.00	13.10	2.57	0.39	5.00
10.55	0.70	0.00	0.00	13.15	2.58	0.39	4.69
10.60	0.71	0.00	0.00	13.20	2.60	0.40	4.41
10.65	0.72	0.00	0.00	13.25	2.61	0.40	4.16
10.70	0.73	0.00	0.00	13.30	2.62	0.41	3.93
10.75	0.74	0.00	0.00	13.35	2.63	0.41	3.72
10.80	0.75	0.00	0.00	13.40	2.64	0.42	3.53
10.85	0.77	0.00	0.00	13.45	2.65	0.42	3.35
10.90	0.78	0.00	0.00	13.50	2.66	0.42	3.19
10.95	0.79	0.00	0.00	13.55	2.67	0.43	3.04
11.00	0.80	0.00	0.00	13.60	2.68	0.43	2.90
11.05	0.82	0.00	0.00	13.65	2.68	0.44	2.78
11.10	0.83	0.00	0.00	13.70	2.69	0.44	2.65
11.15	0.85	0.00	0.00	13.75	2.70	0.44	2.53
11.20	0.87	0.00	0.00	13.80	2.71	0.45	2.42
11.25	0.89	0.00	0.00	13.85	2.72	0.45	2.32
11.30	0.91	0.00	0.00	13.90	2.72	0.45	2.23
11.35	0.93	0.00	0.00	13.95	2.73	0.46	2.15
11.40	0.95	0.00	0.00	14.00	2.74	0.46	2.08
11.45	0.97	0.00	0.00	14.05	2.75	0.46	2.02
11.50	0.99	0.00	0.00	14.10	2.75	0.47	1.97
11.55	1.02	0.00	0.00	14.15	2.76	0.47	1.92
11.60	1.06	0.00	0.00	14.20	2.77	0.47	1.88
11.65	1.09	0.00	0.00	14.25	2.77	0.48	1.84
11.70	1.13	0.00	0.01	14.30	2.78	0.48	1.81
11.75	1.18	0.01	0.04	14.35	2.79	0.48	1.78
11.80	1.23	0.01	0.08	14.40	2.79	0.49	1.75
11.85	1.29	0.02	0.15	14.45	2.80	0.49	1.72
11.90	1.36	0.03	0.27	14.50	2.81	0.49	1.69
11.95	1.48	0.05	0.44	14.55	2.81	0.49	1.66
12.00	1.60	0.07	0.70	14.60	2.82	0.50	1.63
12.05	1.79	0.11	1.10	14.65	2.82	0.50	1.60
12.10	1.99	0.17	1.73	14.70	2.83	0.50	1.58
12.15	2.06	0.19	2.69	14.75	2.84	0.51	1.55
12.20	2.12	0.21	4.01	14.80	2.84	0.51	1.52
12.25	2.17	0.23	5.62	14.85	2.85	0.51	1.50
12.30	2.22	0.25	7.34	14.90	2.85	0.51	1.47
12.35	2.26	0.26	8.92	14.95	2.86	0.51	1.44
12.40	2.29	0.27	10.08	15.00	2.86	0.52	1.42
12.45	2.33	0.29	10.77	15.05	2.87	0.52	1.39
12.50	2.36	0.30	**11.01**	15.10	2.87	0.52	1.36
12.55	2.38	0.31	10.86	15.15	2.87	0.52	1.34
12.60	2.40	0.32	10.42	15.20	2.88	0.53	1.31
12.65	2.42	0.33	9.80	15.25	2.88	0.53	1.28
12.70	2.44	0.33	9.11	15.30	2.89	0.53	1.26
12.75	2.46	0.34	8.45	15.35	2.89	0.53	1.23
12.80	2.48	0.35	7.82	15.40	2.90	0.53	1.21
12.85	2.50	0.36	7.24	15.45	2.90	0.54	1.19
12.90	2.52	0.36	6.69	15.50	2.91	0.54	1.17
12.95	2.53	0.37	6.19	15.55	2.91	0.54	1.16

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.54	1.14	18.20	3.10	0.63	0.74
15.65	2.92	0.55	1.13	18.25	3.10	0.63	0.73
15.70	2.92	0.55	1.12	18.30	3.10	0.64	0.73
15.75	2.93	0.55	1.11	18.35	3.10	0.64	0.72
15.80	2.93	0.55	1.10	18.40	3.11	0.64	0.71
15.85	2.94	0.55	1.09	18.45	3.11	0.64	0.71
15.90	2.94	0.56	1.08	18.50	3.11	0.64	0.70
15.95	2.94	0.56	1.08	18.55	3.11	0.64	0.70
16.00	2.95	0.56	1.07	18.60	3.12	0.64	0.70
16.05	2.95	0.56	1.06	18.65	3.12	0.65	0.69
16.10	2.96	0.56	1.05	18.70	3.12	0.65	0.69
16.15	2.96	0.57	1.04	18.75	3.12	0.65	0.69
16.20	2.96	0.57	1.04	18.80	3.13	0.65	0.68
16.25	2.97	0.57	1.03	18.85	3.13	0.65	0.68
16.30	2.97	0.57	1.02	18.90	3.13	0.65	0.68
16.35	2.98	0.57	1.02	18.95	3.13	0.65	0.68
16.40	2.98	0.58	1.01	19.00	3.14	0.65	0.67
16.45	2.98	0.58	1.00	19.05	3.14	0.66	0.67
16.50	2.99	0.58	1.00	19.10	3.14	0.66	0.67
16.55	2.99	0.58	0.99	19.15	3.14	0.66	0.67
16.60	3.00	0.58	0.98	19.20	3.15	0.66	0.67
16.65	3.00	0.58	0.97	19.25	3.15	0.66	0.67
16.70	3.00	0.59	0.97	19.30	3.15	0.66	0.66
16.75	3.01	0.59	0.96	19.35	3.15	0.66	0.66
16.80	3.01	0.59	0.95	19.40	3.16	0.66	0.66
16.85	3.01	0.59	0.95	19.45	3.16	0.67	0.66
16.90	3.02	0.59	0.94	19.50	3.16	0.67	0.66
16.95	3.02	0.59	0.93	19.55	3.16	0.67	0.66
17.00	3.02	0.60	0.92	19.60	3.17	0.67	0.65
17.05	3.03	0.60	0.92	19.65	3.17	0.67	0.65
17.10	3.03	0.60	0.91	19.70	3.17	0.67	0.65
17.15	3.03	0.60	0.90	19.75	3.17	0.67	0.65
17.20	3.04	0.60	0.89	19.80	3.18	0.67	0.65
17.25	3.04	0.60	0.89	19.85	3.18	0.68	0.64
17.30	3.04	0.61	0.88	19.90	3.18	0.68	0.64
17.35	3.05	0.61	0.87	19.95	3.18	0.68	0.64
17.40	3.05	0.61	0.87	20.00	3.19	0.68	0.64
17.45	3.05	0.61	0.86	20.05	3.19	0.68	0.64
17.50	3.06	0.61	0.85	20.10	3.19	0.68	0.64
17.55	3.06	0.61	0.84	20.15	3.19	0.68	0.63
17.60	3.06	0.62	0.83	20.20	3.20	0.68	0.63
17.65	3.06	0.62	0.83	20.25	3.20	0.69	0.63
17.70	3.07	0.62	0.82	20.30	3.20	0.69	0.63
17.75	3.07	0.62	0.81	20.35	3.20	0.69	0.63
17.80	3.07	0.62	0.80	20.40	3.20	0.69	0.63
17.85	3.08	0.62	0.80	20.45	3.21	0.69	0.62
17.90	3.08	0.62	0.79	20.50	3.21	0.69	0.62
17.95	3.08	0.63	0.78	20.55	3.21	0.69	0.62
18.00	3.08	0.63	0.77	20.60	3.21	0.69	0.62
18.05	3.09	0.63	0.77	20.65	3.22	0.70	0.62
18.10	3.09	0.63	0.76	20.70	3.22	0.70	0.61
18.15	3.09	0.63	0.75	20.75	3.22	0.70	0.61

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.70	0.61	23.40	3.33	0.76	0.51
20.85	3.23	0.70	0.61	23.45	3.33	0.76	0.51
20.90	3.23	0.70	0.61	23.50	3.33	0.76	0.51
20.95	3.23	0.70	0.61	23.55	3.33	0.76	0.50
21.00	3.23	0.70	0.60	23.60	3.34	0.76	0.50
21.05	3.23	0.70	0.60	23.65	3.34	0.76	0.50
21.10	3.24	0.71	0.60	23.70	3.34	0.76	0.50
21.15	3.24	0.71	0.60	23.75	3.34	0.76	0.50
21.20	3.24	0.71	0.60	23.80	3.34	0.76	0.49
21.25	3.24	0.71	0.59	23.85	3.34	0.76	0.49
21.30	3.24	0.71	0.59	23.90	3.35	0.76	0.49
21.35	3.25	0.71	0.59	23.95	3.35	0.77	0.49
21.40	3.25	0.71	0.59	24.00	**3.35**	**0.77**	0.49
21.45	3.25	0.71	0.59	24.05	3.35	0.77	0.49
21.50	3.25	0.72	0.58	24.10	3.35	0.77	0.48
21.55	3.26	0.72	0.58	24.15	3.35	0.77	0.48
21.60	3.26	0.72	0.58	24.20	3.35	0.77	0.47
21.65	3.26	0.72	0.58	24.25	3.35	0.77	0.44
21.70	3.26	0.72	0.58	24.30	3.35	0.77	0.41
21.75	3.26	0.72	0.58	24.35	3.35	0.77	0.36
21.80	3.27	0.72	0.57	24.40	3.35	0.77	0.31
21.85	3.27	0.72	0.57	24.45	3.35	0.77	0.26
21.90	3.27	0.72	0.57	24.50	3.35	0.77	0.21
21.95	3.27	0.73	0.57	24.55	3.35	0.77	0.17
22.00	3.27	0.73	0.57	24.60	3.35	0.77	0.13
22.05	3.28	0.73	0.56	24.65	3.35	0.77	0.10
22.10	3.28	0.73	0.56	24.70	3.35	0.77	0.08
22.15	3.28	0.73	0.56	24.75	3.35	0.77	0.06
22.20	3.28	0.73	0.56	24.80	3.35	0.77	0.05
22.25	3.28	0.73	0.56	24.85	3.35	0.77	0.04
22.30	3.29	0.73	0.55	24.90	3.35	0.77	0.03
22.35	3.29	0.73	0.55	24.95	3.35	0.77	0.03
22.40	3.29	0.73	0.55	25.00	3.35	0.77	0.02
22.45	3.29	0.74	0.55	25.05	3.35	0.77	0.02
22.50	3.29	0.74	0.55	25.10	3.35	0.77	0.01
22.55	3.30	0.74	0.54	25.15	3.35	0.77	0.01
22.60	3.30	0.74	0.54	25.20	3.35	0.77	0.01
22.65	3.30	0.74	0.54	25.25	3.35	0.77	0.01
22.70	3.30	0.74	0.54	25.30	3.35	0.77	0.00
22.75	3.30	0.74	0.54	25.35	3.35	0.77	0.00
22.80	3.31	0.74	0.53	25.40	3.35	0.77	0.00
22.85	3.31	0.74	0.53	25.45	3.35	0.77	0.00
22.90	3.31	0.75	0.53	25.50	3.35	0.77	0.00
22.95	3.31	0.75	0.53	25.55	3.35	0.77	0.00
23.00	3.31	0.75	0.53	25.60	3.35	0.77	0.00
23.05	3.32	0.75	0.52	25.65	3.35	0.77	0.00
23.10	3.32	0.75	0.52	25.70	3.35	0.77	0.00
23.15	3.32	0.75	0.52	25.75	3.35	0.77	0.00
23.20	3.32	0.75	0.52	25.80	3.35	0.77	0.00
23.25	3.32	0.75	0.52	25.85	3.35	0.77	0.00
23.30	3.32	0.75	0.51	25.90	3.35	0.77	0.00
23.35	3.33	0.75	0.51	25.95	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.77	0.00	28.60	3.35	0.77	0.00
26.05	3.35	0.77	0.00	28.65	3.35	0.77	0.00
26.10	3.35	0.77	0.00	28.70	3.35	0.77	0.00
26.15	3.35	0.77	0.00	28.75	3.35	0.77	0.00
26.20	3.35	0.77	0.00	28.80	3.35	0.77	0.00
26.25	3.35	0.77	0.00	28.85	3.35	0.77	0.00
26.30	3.35	0.77	0.00	28.90	3.35	0.77	0.00
26.35	3.35	0.77	0.00	28.95	3.35	0.77	0.00
26.40	3.35	0.77	0.00	29.00	3.35	0.77	0.00
26.45	3.35	0.77	0.00	29.05	3.35	0.77	0.00
26.50	3.35	0.77	0.00	29.10	3.35	0.77	0.00
26.55	3.35	0.77	0.00	29.15	3.35	0.77	0.00
26.60	3.35	0.77	0.00	29.20	3.35	0.77	0.00
26.65	3.35	0.77	0.00	29.25	3.35	0.77	0.00
26.70	3.35	0.77	0.00	29.30	3.35	0.77	0.00
26.75	3.35	0.77	0.00	29.35	3.35	0.77	0.00
26.80	3.35	0.77	0.00	29.40	3.35	0.77	0.00
26.85	3.35	0.77	0.00	29.45	3.35	0.77	0.00
26.90	3.35	0.77	0.00	29.50	3.35	0.77	0.00
26.95	3.35	0.77	0.00	29.55	3.35	0.77	0.00
27.00	3.35	0.77	0.00	29.60	3.35	0.77	0.00
27.05	3.35	0.77	0.00	29.65	3.35	0.77	0.00
27.10	3.35	0.77	0.00	29.70	3.35	0.77	0.00
27.15	3.35	0.77	0.00	29.75	3.35	0.77	0.00
27.20	3.35	0.77	0.00	29.80	3.35	0.77	0.00
27.25	3.35	0.77	0.00	29.85	3.35	0.77	0.00
27.30	3.35	0.77	0.00	29.90	3.35	0.77	0.00
27.35	3.35	0.77	0.00	29.95	3.35	0.77	0.00
27.40	3.35	0.77	0.00	30.00	3.35	0.77	0.00
27.45	3.35	0.77	0.00	30.05	3.35	0.77	0.00
27.50	3.35	0.77	0.00	30.10	3.35	0.77	0.00
27.55	3.35	0.77	0.00	30.15	3.35	0.77	0.00
27.60	3.35	0.77	0.00	30.20	3.35	0.77	0.00
27.65	3.35	0.77	0.00	30.25	3.35	0.77	0.00
27.70	3.35	0.77	0.00	30.30	3.35	0.77	0.00
27.75	3.35	0.77	0.00	30.35	3.35	0.77	0.00
27.80	3.35	0.77	0.00	30.40	3.35	0.77	0.00
27.85	3.35	0.77	0.00	30.45	3.35	0.77	0.00
27.90	3.35	0.77	0.00	30.50	3.35	0.77	0.00
27.95	3.35	0.77	0.00	30.55	3.35	0.77	0.00
28.00	3.35	0.77	0.00	30.60	3.35	0.77	0.00
28.05	3.35	0.77	0.00	30.65	3.35	0.77	0.00
28.10	3.35	0.77	0.00	30.70	3.35	0.77	0.00
28.15	3.35	0.77	0.00	30.75	3.35	0.77	0.00
28.20	3.35	0.77	0.00	30.80	3.35	0.77	0.00
28.25	3.35	0.77	0.00	30.85	3.35	0.77	0.00
28.30	3.35	0.77	0.00	30.90	3.35	0.77	0.00
28.35	3.35	0.77	0.00	30.95	3.35	0.77	0.00
28.40	3.35	0.77	0.00	31.00	3.35	0.77	0.00
28.45	3.35	0.77	0.00	31.05	3.35	0.77	0.00
28.50	3.35	0.77	0.00	31.10	3.35	0.77	0.00
28.55	3.35	0.77	0.00	31.15	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.77	0.00	33.80	3.35	0.77	0.00
31.25	3.35	0.77	0.00	33.85	3.35	0.77	0.00
31.30	3.35	0.77	0.00	33.90	3.35	0.77	0.00
31.35	3.35	0.77	0.00	33.95	3.35	0.77	0.00
31.40	3.35	0.77	0.00	34.00	3.35	0.77	0.00
31.45	3.35	0.77	0.00	34.05	3.35	0.77	0.00
31.50	3.35	0.77	0.00	34.10	3.35	0.77	0.00
31.55	3.35	0.77	0.00	34.15	3.35	0.77	0.00
31.60	3.35	0.77	0.00	34.20	3.35	0.77	0.00
31.65	3.35	0.77	0.00	34.25	3.35	0.77	0.00
31.70	3.35	0.77	0.00	34.30	3.35	0.77	0.00
31.75	3.35	0.77	0.00	34.35	3.35	0.77	0.00
31.80	3.35	0.77	0.00	34.40	3.35	0.77	0.00
31.85	3.35	0.77	0.00	34.45	3.35	0.77	0.00
31.90	3.35	0.77	0.00	34.50	3.35	0.77	0.00
31.95	3.35	0.77	0.00	34.55	3.35	0.77	0.00
32.00	3.35	0.77	0.00	34.60	3.35	0.77	0.00
32.05	3.35	0.77	0.00	34.65	3.35	0.77	0.00
32.10	3.35	0.77	0.00	34.70	3.35	0.77	0.00
32.15	3.35	0.77	0.00	34.75	3.35	0.77	0.00
32.20	3.35	0.77	0.00	34.80	3.35	0.77	0.00
32.25	3.35	0.77	0.00	34.85	3.35	0.77	0.00
32.30	3.35	0.77	0.00	34.90	3.35	0.77	0.00
32.35	3.35	0.77	0.00	34.95	3.35	0.77	0.00
32.40	3.35	0.77	0.00	35.00	3.35	0.77	0.00
32.45	3.35	0.77	0.00	35.05	3.35	0.77	0.00
32.50	3.35	0.77	0.00	35.10	3.35	0.77	0.00
32.55	3.35	0.77	0.00	35.15	3.35	0.77	0.00
32.60	3.35	0.77	0.00	35.20	3.35	0.77	0.00
32.65	3.35	0.77	0.00	35.25	3.35	0.77	0.00
32.70	3.35	0.77	0.00	35.30	3.35	0.77	0.00
32.75	3.35	0.77	0.00	35.35	3.35	0.77	0.00
32.80	3.35	0.77	0.00	35.40	3.35	0.77	0.00
32.85	3.35	0.77	0.00	35.45	3.35	0.77	0.00
32.90	3.35	0.77	0.00	35.50	3.35	0.77	0.00
32.95	3.35	0.77	0.00	35.55	3.35	0.77	0.00
33.00	3.35	0.77	0.00	35.60	3.35	0.77	0.00
33.05	3.35	0.77	0.00	35.65	3.35	0.77	0.00
33.10	3.35	0.77	0.00	35.70	3.35	0.77	0.00
33.15	3.35	0.77	0.00	35.75	3.35	0.77	0.00
33.20	3.35	0.77	0.00	35.80	3.35	0.77	0.00
33.25	3.35	0.77	0.00	35.85	3.35	0.77	0.00
33.30	3.35	0.77	0.00	35.90	3.35	0.77	0.00
33.35	3.35	0.77	0.00	35.95	3.35	0.77	0.00
33.40	3.35	0.77	0.00	36.00	3.35	0.77	0.00
33.45	3.35	0.77	0.00	36.05	3.35	0.77	0.00
33.50	3.35	0.77	0.00	36.10	3.35	0.77	0.00
33.55	3.35	0.77	0.00	36.15	3.35	0.77	0.00
33.60	3.35	0.77	0.00	36.20	3.35	0.77	0.00
33.65	3.35	0.77	0.00	36.25	3.35	0.77	0.00
33.70	3.35	0.77	0.00	36.30	3.35	0.77	0.00
33.75	3.35	0.77	0.00	36.35	3.35	0.77	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.77	0.00
36.45	3.35	0.77	0.00
36.50	3.35	0.77	0.00
36.55	3.35	0.77	0.00
36.60	3.35	0.77	0.00
36.65	3.35	0.77	0.00
36.70	3.35	0.77	0.00
36.75	3.35	0.77	0.00
36.80	3.35	0.77	0.00
36.85	3.35	0.77	0.00
36.90	3.35	0.77	0.00
36.95	3.35	0.77	0.00
37.00	3.35	0.77	0.00
37.05	3.35	0.77	0.00
37.10	3.35	0.77	0.00
37.15	3.35	0.77	0.00
37.20	3.35	0.77	0.00
37.25	3.35	0.77	0.00
37.30	3.35	0.77	0.00
37.35	3.35	0.77	0.00
37.40	3.35	0.77	0.00
37.45	3.35	0.77	0.00
37.50	3.35	0.77	0.00
37.55	3.35	0.77	0.00
37.60	3.35	0.77	0.00
37.65	3.35	0.77	0.00
37.70	3.35	0.77	0.00
37.75	3.35	0.77	0.00
37.80	3.35	0.77	0.00
37.85	3.35	0.77	0.00
37.90	3.35	0.77	0.00
37.95	3.35	0.77	0.00
38.00	3.35	0.77	0.00
38.05	3.35	0.77	0.00
38.10	3.35	0.77	0.00
38.15	3.35	0.77	0.00
38.20	3.35	0.77	0.00
38.25	3.35	0.77	0.00
38.30	3.35	0.77	0.00
38.35	3.35	0.77	0.00
38.40	3.35	0.77	0.00
38.45	3.35	0.77	0.00
38.50	3.35	0.77	0.00
38.55	3.35	0.77	0.00
38.60	3.35	0.77	0.00
38.65	3.35	0.77	0.00
38.70	3.35	0.77	0.00
38.75	3.35	0.77	0.00
38.80	3.35	0.77	0.00
38.85	3.35	0.77	0.00
38.90	3.35	0.77	0.00
38.95	3.35	0.77	0.00
39.00	3.35	0.77	0.00
39.05	3.35	0.77	0.00
39.10	3.35	0.77	0.00
39.15	3.35	0.77	0.00
39.20	3.35	0.77	0.00
39.25	3.35	0.77	0.00
39.30	3.35	0.77	0.00
39.35	3.35	0.77	0.00
39.40	3.35	0.77	0.00
39.45	3.35	0.77	0.00
39.50	3.35	0.77	0.00
39.55	3.35	0.77	0.00
39.60	3.35	0.77	0.00
39.65	3.35	0.77	0.00
39.70	3.35	0.77	0.00
39.75	3.35	0.77	0.00
39.80	3.35	0.77	0.00
39.85	3.35	0.77	0.00
39.90	3.35	0.77	0.00
39.95	3.35	0.77	0.00
40.00	3.35	0.77	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

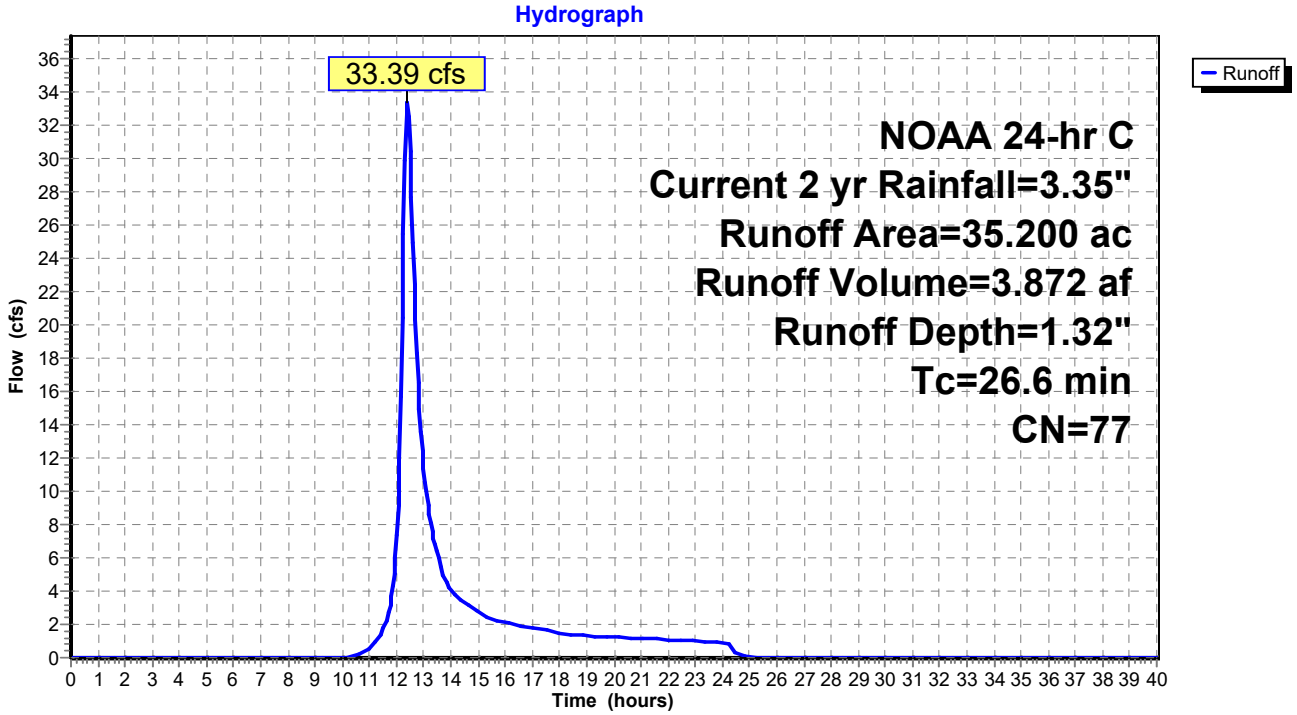
Runoff = 33.39 cfs @ 12.40 hrs, Volume= 3.872 af, Depth= 1.32"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.01
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.01
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.02
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.03
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.05

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.07	13.00	2.55	0.77	11.38
10.45	0.68	0.00	0.09	13.05	2.56	0.78	10.54
10.50	0.69	0.00	0.11	13.10	2.57	0.79	9.82
10.55	0.70	0.00	0.14	13.15	2.58	0.79	9.19
10.60	0.71	0.00	0.17	13.20	2.60	0.80	8.61
10.65	0.72	0.00	0.20	13.25	2.61	0.81	8.09
10.70	0.73	0.01	0.23	13.30	2.62	0.82	7.62
10.75	0.74	0.01	0.27	13.35	2.63	0.82	7.20
10.80	0.75	0.01	0.31	13.40	2.64	0.83	6.81
10.85	0.77	0.01	0.36	13.45	2.65	0.84	6.47
10.90	0.78	0.01	0.41	13.50	2.66	0.84	6.14
10.95	0.79	0.01	0.47	13.55	2.67	0.85	5.85
11.00	0.80	0.01	0.53	13.60	2.68	0.85	5.58
11.05	0.82	0.02	0.60	13.65	2.68	0.86	5.33
11.10	0.83	0.02	0.67	13.70	2.69	0.86	5.10
11.15	0.85	0.02	0.76	13.75	2.70	0.87	4.87
11.20	0.87	0.02	0.85	13.80	2.71	0.87	4.67
11.25	0.89	0.03	0.95	13.85	2.72	0.88	4.49
11.30	0.91	0.03	1.07	13.90	2.72	0.88	4.33
11.35	0.93	0.03	1.20	13.95	2.73	0.89	4.19
11.40	0.95	0.04	1.35	14.00	2.74	0.89	4.07
11.45	0.97	0.04	1.51	14.05	2.75	0.90	3.97
11.50	0.99	0.05	1.68	14.10	2.75	0.90	3.88
11.55	1.02	0.05	1.88	14.15	2.76	0.91	3.80
11.60	1.06	0.06	2.10	14.20	2.77	0.91	3.73
11.65	1.09	0.07	2.37	14.25	2.77	0.92	3.66
11.70	1.13	0.08	2.71	14.30	2.78	0.92	3.59
11.75	1.18	0.09	3.13	14.35	2.79	0.93	3.53
11.80	1.23	0.11	3.65	14.40	2.79	0.93	3.47
11.85	1.29	0.13	4.27	14.45	2.80	0.93	3.41
11.90	1.36	0.16	5.04	14.50	2.81	0.94	3.35
11.95	1.48	0.20	6.03	14.55	2.81	0.94	3.29
12.00	1.60	0.25	7.37	14.60	2.82	0.95	3.24
12.05	1.79	0.34	9.21	14.65	2.82	0.95	3.18
12.10	1.99	0.44	11.89	14.70	2.83	0.95	3.12
12.15	2.06	0.48	15.66	14.75	2.84	0.96	3.07
12.20	2.12	0.52	20.40	14.80	2.84	0.96	3.01
12.25	2.17	0.54	25.54	14.85	2.85	0.97	2.96
12.30	2.22	0.57	29.95	14.90	2.85	0.97	2.90
12.35	2.26	0.59	32.64	14.95	2.86	0.97	2.84
12.40	2.29	0.61	**33.38**	15.00	2.86	0.98	2.79
12.45	2.33	0.63	32.50	15.05	2.87	0.98	2.73
12.50	2.36	0.65	30.46	15.10	2.87	0.98	2.67
12.55	2.38	0.67	27.74	15.15	2.87	0.99	2.62
12.60	2.40	0.68	24.94	15.20	2.88	0.99	2.56
12.65	2.42	0.69	22.47	15.25	2.88	0.99	2.50
12.70	2.44	0.71	20.30	15.30	2.89	0.99	2.45
12.75	2.46	0.72	18.31	15.35	2.89	1.00	2.41
12.80	2.48	0.73	16.52	15.40	2.90	1.00	2.36
12.85	2.50	0.74	14.94	15.45	2.90	1.00	2.33
12.90	2.52	0.75	13.56	15.50	2.91	1.01	2.30
12.95	2.53	0.76	12.38	15.55	2.91	1.01	2.27

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	1.01	2.25	18.20	3.10	1.14	1.43
15.65	2.92	1.02	2.22	18.25	3.10	1.14	1.41
15.70	2.92	1.02	2.21	18.30	3.10	1.14	1.40
15.75	2.93	1.02	2.19	18.35	3.10	1.14	1.39
15.80	2.93	1.02	2.17	18.40	3.11	1.15	1.38
15.85	2.94	1.03	2.15	18.45	3.11	1.15	1.37
15.90	2.94	1.03	2.14	18.50	3.11	1.15	1.36
15.95	2.94	1.03	2.12	18.55	3.11	1.15	1.35
16.00	2.95	1.04	2.10	18.60	3.12	1.15	1.34
16.05	2.95	1.04	2.09	18.65	3.12	1.15	1.34
16.10	2.96	1.04	2.07	18.70	3.12	1.16	1.33
16.15	2.96	1.04	2.06	18.75	3.12	1.16	1.33
16.20	2.96	1.05	2.04	18.80	3.13	1.16	1.32
16.25	2.97	1.05	2.03	18.85	3.13	1.16	1.32
16.30	2.97	1.05	2.01	18.90	3.13	1.16	1.31
16.35	2.98	1.05	2.00	18.95	3.13	1.17	1.31
16.40	2.98	1.06	1.98	19.00	3.14	1.17	1.31
16.45	2.98	1.06	1.97	19.05	3.14	1.17	1.30
16.50	2.99	1.06	1.95	19.10	3.14	1.17	1.30
16.55	2.99	1.07	1.94	19.15	3.14	1.17	1.29
16.60	3.00	1.07	1.92	19.20	3.15	1.17	1.29
16.65	3.00	1.07	1.91	19.25	3.15	1.18	1.29
16.70	3.00	1.07	1.89	19.30	3.15	1.18	1.28
16.75	3.01	1.08	1.88	19.35	3.15	1.18	1.28
16.80	3.01	1.08	1.86	19.40	3.16	1.18	1.28
16.85	3.01	1.08	1.85	19.45	3.16	1.18	1.27
16.90	3.02	1.08	1.83	19.50	3.16	1.18	1.27
16.95	3.02	1.08	1.82	19.55	3.16	1.19	1.26
17.00	3.02	1.09	1.80	19.60	3.17	1.19	1.26
17.05	3.03	1.09	1.79	19.65	3.17	1.19	1.26
17.10	3.03	1.09	1.77	19.70	3.17	1.19	1.25
17.15	3.03	1.09	1.76	19.75	3.17	1.19	1.25
17.20	3.04	1.10	1.74	19.80	3.18	1.20	1.25
17.25	3.04	1.10	1.73	19.85	3.18	1.20	1.24
17.30	3.04	1.10	1.71	19.90	3.18	1.20	1.24
17.35	3.05	1.10	1.70	19.95	3.18	1.20	1.24
17.40	3.05	1.11	1.68	20.00	3.19	1.20	1.23
17.45	3.05	1.11	1.66	20.05	3.19	1.20	1.23
17.50	3.06	1.11	1.65	20.10	3.19	1.21	1.23
17.55	3.06	1.11	1.63	20.15	3.19	1.21	1.22
17.60	3.06	1.11	1.62	20.20	3.20	1.21	1.22
17.65	3.06	1.12	1.60	20.25	3.20	1.21	1.21
17.70	3.07	1.12	1.59	20.30	3.20	1.21	1.21
17.75	3.07	1.12	1.57	20.35	3.20	1.21	1.20
17.80	3.07	1.12	1.56	20.40	3.20	1.22	1.20
17.85	3.08	1.12	1.54	20.45	3.21	1.22	1.20
17.90	3.08	1.13	1.52	20.50	3.21	1.22	1.19
17.95	3.08	1.13	1.51	20.55	3.21	1.22	1.19
18.00	3.08	1.13	1.49	20.60	3.21	1.22	1.19
18.05	3.09	1.13	1.48	20.65	3.22	1.22	1.18
18.10	3.09	1.13	1.46	20.70	3.22	1.22	1.18
18.15	3.09	1.14	1.44	20.75	3.22	1.23	1.17

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.23	1.17	23.40	3.33	1.30	0.96
20.85	3.23	1.23	1.17	23.45	3.33	1.31	0.96
20.90	3.23	1.23	1.16	23.50	3.33	1.31	0.96
20.95	3.23	1.23	1.16	23.55	3.33	1.31	0.95
21.00	3.23	1.23	1.16	23.60	3.34	1.31	0.95
21.05	3.23	1.24	1.15	23.65	3.34	1.31	0.95
21.10	3.24	1.24	1.15	23.70	3.34	1.31	0.94
21.15	3.24	1.24	1.14	23.75	3.34	1.31	0.94
21.20	3.24	1.24	1.14	23.80	3.34	1.31	0.93
21.25	3.24	1.24	1.14	23.85	3.34	1.32	0.93
21.30	3.24	1.24	1.13	23.90	3.35	1.32	0.93
21.35	3.25	1.25	1.13	23.95	3.35	1.32	0.92
21.40	3.25	1.25	1.12	24.00	**3.35**	**1.32**	0.92
21.45	3.25	1.25	1.12	24.05	3.35	1.32	0.92
21.50	3.25	1.25	1.12	24.10	3.35	1.32	0.92
21.55	3.26	1.25	1.11	24.15	3.35	1.32	0.91
21.60	3.26	1.25	1.11	24.20	3.35	1.32	0.86
21.65	3.26	1.25	1.11	24.25	3.35	1.32	0.78
21.70	3.26	1.26	1.10	24.30	3.35	1.32	0.67
21.75	3.26	1.26	1.10	24.35	3.35	1.32	0.55
21.80	3.27	1.26	1.09	24.40	3.35	1.32	0.44
21.85	3.27	1.26	1.09	24.45	3.35	1.32	0.33
21.90	3.27	1.26	1.08	24.50	3.35	1.32	0.25
21.95	3.27	1.26	1.08	24.55	3.35	1.32	0.19
22.00	3.27	1.27	1.08	24.60	3.35	1.32	0.14
22.05	3.28	1.27	1.07	24.65	3.35	1.32	0.11
22.10	3.28	1.27	1.07	24.70	3.35	1.32	0.08
22.15	3.28	1.27	1.07	24.75	3.35	1.32	0.06
22.20	3.28	1.27	1.06	24.80	3.35	1.32	0.05
22.25	3.28	1.27	1.06	24.85	3.35	1.32	0.04
22.30	3.29	1.27	1.05	24.90	3.35	1.32	0.03
22.35	3.29	1.28	1.05	24.95	3.35	1.32	0.02
22.40	3.29	1.28	1.05	25.00	3.35	1.32	0.01
22.45	3.29	1.28	1.04	25.05	3.35	1.32	0.01
22.50	3.29	1.28	1.04	25.10	3.35	1.32	0.01
22.55	3.30	1.28	1.03	25.15	3.35	1.32	0.01
22.60	3.30	1.28	1.03	25.20	3.35	1.32	0.00
22.65	3.30	1.28	1.03	25.25	3.35	1.32	0.00
22.70	3.30	1.29	1.02	25.30	3.35	1.32	0.00
22.75	3.30	1.29	1.02	25.35	3.35	1.32	0.00
22.80	3.31	1.29	1.01	25.40	3.35	1.32	0.00
22.85	3.31	1.29	1.01	25.45	3.35	1.32	0.00
22.90	3.31	1.29	1.01	25.50	3.35	1.32	0.00
22.95	3.31	1.29	1.00	25.55	3.35	1.32	0.00
23.00	3.31	1.29	1.00	25.60	3.35	1.32	0.00
23.05	3.32	1.29	0.99	25.65	3.35	1.32	0.00
23.10	3.32	1.30	0.99	25.70	3.35	1.32	0.00
23.15	3.32	1.30	0.99	25.75	3.35	1.32	0.00
23.20	3.32	1.30	0.98	25.80	3.35	1.32	0.00
23.25	3.32	1.30	0.98	25.85	3.35	1.32	0.00
23.30	3.32	1.30	0.97	25.90	3.35	1.32	0.00
23.35	3.33	1.30	0.97	25.95	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.32	0.00	28.60	3.35	1.32	0.00
26.05	3.35	1.32	0.00	28.65	3.35	1.32	0.00
26.10	3.35	1.32	0.00	28.70	3.35	1.32	0.00
26.15	3.35	1.32	0.00	28.75	3.35	1.32	0.00
26.20	3.35	1.32	0.00	28.80	3.35	1.32	0.00
26.25	3.35	1.32	0.00	28.85	3.35	1.32	0.00
26.30	3.35	1.32	0.00	28.90	3.35	1.32	0.00
26.35	3.35	1.32	0.00	28.95	3.35	1.32	0.00
26.40	3.35	1.32	0.00	29.00	3.35	1.32	0.00
26.45	3.35	1.32	0.00	29.05	3.35	1.32	0.00
26.50	3.35	1.32	0.00	29.10	3.35	1.32	0.00
26.55	3.35	1.32	0.00	29.15	3.35	1.32	0.00
26.60	3.35	1.32	0.00	29.20	3.35	1.32	0.00
26.65	3.35	1.32	0.00	29.25	3.35	1.32	0.00
26.70	3.35	1.32	0.00	29.30	3.35	1.32	0.00
26.75	3.35	1.32	0.00	29.35	3.35	1.32	0.00
26.80	3.35	1.32	0.00	29.40	3.35	1.32	0.00
26.85	3.35	1.32	0.00	29.45	3.35	1.32	0.00
26.90	3.35	1.32	0.00	29.50	3.35	1.32	0.00
26.95	3.35	1.32	0.00	29.55	3.35	1.32	0.00
27.00	3.35	1.32	0.00	29.60	3.35	1.32	0.00
27.05	3.35	1.32	0.00	29.65	3.35	1.32	0.00
27.10	3.35	1.32	0.00	29.70	3.35	1.32	0.00
27.15	3.35	1.32	0.00	29.75	3.35	1.32	0.00
27.20	3.35	1.32	0.00	29.80	3.35	1.32	0.00
27.25	3.35	1.32	0.00	29.85	3.35	1.32	0.00
27.30	3.35	1.32	0.00	29.90	3.35	1.32	0.00
27.35	3.35	1.32	0.00	29.95	3.35	1.32	0.00
27.40	3.35	1.32	0.00	30.00	3.35	1.32	0.00
27.45	3.35	1.32	0.00	30.05	3.35	1.32	0.00
27.50	3.35	1.32	0.00	30.10	3.35	1.32	0.00
27.55	3.35	1.32	0.00	30.15	3.35	1.32	0.00
27.60	3.35	1.32	0.00	30.20	3.35	1.32	0.00
27.65	3.35	1.32	0.00	30.25	3.35	1.32	0.00
27.70	3.35	1.32	0.00	30.30	3.35	1.32	0.00
27.75	3.35	1.32	0.00	30.35	3.35	1.32	0.00
27.80	3.35	1.32	0.00	30.40	3.35	1.32	0.00
27.85	3.35	1.32	0.00	30.45	3.35	1.32	0.00
27.90	3.35	1.32	0.00	30.50	3.35	1.32	0.00
27.95	3.35	1.32	0.00	30.55	3.35	1.32	0.00
28.00	3.35	1.32	0.00	30.60	3.35	1.32	0.00
28.05	3.35	1.32	0.00	30.65	3.35	1.32	0.00
28.10	3.35	1.32	0.00	30.70	3.35	1.32	0.00
28.15	3.35	1.32	0.00	30.75	3.35	1.32	0.00
28.20	3.35	1.32	0.00	30.80	3.35	1.32	0.00
28.25	3.35	1.32	0.00	30.85	3.35	1.32	0.00
28.30	3.35	1.32	0.00	30.90	3.35	1.32	0.00
28.35	3.35	1.32	0.00	30.95	3.35	1.32	0.00
28.40	3.35	1.32	0.00	31.00	3.35	1.32	0.00
28.45	3.35	1.32	0.00	31.05	3.35	1.32	0.00
28.50	3.35	1.32	0.00	31.10	3.35	1.32	0.00
28.55	3.35	1.32	0.00	31.15	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.32	0.00	33.80	3.35	1.32	0.00
31.25	3.35	1.32	0.00	33.85	3.35	1.32	0.00
31.30	3.35	1.32	0.00	33.90	3.35	1.32	0.00
31.35	3.35	1.32	0.00	33.95	3.35	1.32	0.00
31.40	3.35	1.32	0.00	34.00	3.35	1.32	0.00
31.45	3.35	1.32	0.00	34.05	3.35	1.32	0.00
31.50	3.35	1.32	0.00	34.10	3.35	1.32	0.00
31.55	3.35	1.32	0.00	34.15	3.35	1.32	0.00
31.60	3.35	1.32	0.00	34.20	3.35	1.32	0.00
31.65	3.35	1.32	0.00	34.25	3.35	1.32	0.00
31.70	3.35	1.32	0.00	34.30	3.35	1.32	0.00
31.75	3.35	1.32	0.00	34.35	3.35	1.32	0.00
31.80	3.35	1.32	0.00	34.40	3.35	1.32	0.00
31.85	3.35	1.32	0.00	34.45	3.35	1.32	0.00
31.90	3.35	1.32	0.00	34.50	3.35	1.32	0.00
31.95	3.35	1.32	0.00	34.55	3.35	1.32	0.00
32.00	3.35	1.32	0.00	34.60	3.35	1.32	0.00
32.05	3.35	1.32	0.00	34.65	3.35	1.32	0.00
32.10	3.35	1.32	0.00	34.70	3.35	1.32	0.00
32.15	3.35	1.32	0.00	34.75	3.35	1.32	0.00
32.20	3.35	1.32	0.00	34.80	3.35	1.32	0.00
32.25	3.35	1.32	0.00	34.85	3.35	1.32	0.00
32.30	3.35	1.32	0.00	34.90	3.35	1.32	0.00
32.35	3.35	1.32	0.00	34.95	3.35	1.32	0.00
32.40	3.35	1.32	0.00	35.00	3.35	1.32	0.00
32.45	3.35	1.32	0.00	35.05	3.35	1.32	0.00
32.50	3.35	1.32	0.00	35.10	3.35	1.32	0.00
32.55	3.35	1.32	0.00	35.15	3.35	1.32	0.00
32.60	3.35	1.32	0.00	35.20	3.35	1.32	0.00
32.65	3.35	1.32	0.00	35.25	3.35	1.32	0.00
32.70	3.35	1.32	0.00	35.30	3.35	1.32	0.00
32.75	3.35	1.32	0.00	35.35	3.35	1.32	0.00
32.80	3.35	1.32	0.00	35.40	3.35	1.32	0.00
32.85	3.35	1.32	0.00	35.45	3.35	1.32	0.00
32.90	3.35	1.32	0.00	35.50	3.35	1.32	0.00
32.95	3.35	1.32	0.00	35.55	3.35	1.32	0.00
33.00	3.35	1.32	0.00	35.60	3.35	1.32	0.00
33.05	3.35	1.32	0.00	35.65	3.35	1.32	0.00
33.10	3.35	1.32	0.00	35.70	3.35	1.32	0.00
33.15	3.35	1.32	0.00	35.75	3.35	1.32	0.00
33.20	3.35	1.32	0.00	35.80	3.35	1.32	0.00
33.25	3.35	1.32	0.00	35.85	3.35	1.32	0.00
33.30	3.35	1.32	0.00	35.90	3.35	1.32	0.00
33.35	3.35	1.32	0.00	35.95	3.35	1.32	0.00
33.40	3.35	1.32	0.00	36.00	3.35	1.32	0.00
33.45	3.35	1.32	0.00	36.05	3.35	1.32	0.00
33.50	3.35	1.32	0.00	36.10	3.35	1.32	0.00
33.55	3.35	1.32	0.00	36.15	3.35	1.32	0.00
33.60	3.35	1.32	0.00	36.20	3.35	1.32	0.00
33.65	3.35	1.32	0.00	36.25	3.35	1.32	0.00
33.70	3.35	1.32	0.00	36.30	3.35	1.32	0.00
33.75	3.35	1.32	0.00	36.35	3.35	1.32	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.32	0.00
36.45	3.35	1.32	0.00
36.50	3.35	1.32	0.00
36.55	3.35	1.32	0.00
36.60	3.35	1.32	0.00
36.65	3.35	1.32	0.00
36.70	3.35	1.32	0.00
36.75	3.35	1.32	0.00
36.80	3.35	1.32	0.00
36.85	3.35	1.32	0.00
36.90	3.35	1.32	0.00
36.95	3.35	1.32	0.00
37.00	3.35	1.32	0.00
37.05	3.35	1.32	0.00
37.10	3.35	1.32	0.00
37.15	3.35	1.32	0.00
37.20	3.35	1.32	0.00
37.25	3.35	1.32	0.00
37.30	3.35	1.32	0.00
37.35	3.35	1.32	0.00
37.40	3.35	1.32	0.00
37.45	3.35	1.32	0.00
37.50	3.35	1.32	0.00
37.55	3.35	1.32	0.00
37.60	3.35	1.32	0.00
37.65	3.35	1.32	0.00
37.70	3.35	1.32	0.00
37.75	3.35	1.32	0.00
37.80	3.35	1.32	0.00
37.85	3.35	1.32	0.00
37.90	3.35	1.32	0.00
37.95	3.35	1.32	0.00
38.00	3.35	1.32	0.00
38.05	3.35	1.32	0.00
38.10	3.35	1.32	0.00
38.15	3.35	1.32	0.00
38.20	3.35	1.32	0.00
38.25	3.35	1.32	0.00
38.30	3.35	1.32	0.00
38.35	3.35	1.32	0.00
38.40	3.35	1.32	0.00
38.45	3.35	1.32	0.00
38.50	3.35	1.32	0.00
38.55	3.35	1.32	0.00
38.60	3.35	1.32	0.00
38.65	3.35	1.32	0.00
38.70	3.35	1.32	0.00
38.75	3.35	1.32	0.00
38.80	3.35	1.32	0.00
38.85	3.35	1.32	0.00
38.90	3.35	1.32	0.00
38.95	3.35	1.32	0.00
39.00	3.35	1.32	0.00
39.05	3.35	1.32	0.00
39.10	3.35	1.32	0.00
39.15	3.35	1.32	0.00
39.20	3.35	1.32	0.00
39.25	3.35	1.32	0.00
39.30	3.35	1.32	0.00
39.35	3.35	1.32	0.00
39.40	3.35	1.32	0.00
39.45	3.35	1.32	0.00
39.50	3.35	1.32	0.00
39.55	3.35	1.32	0.00
39.60	3.35	1.32	0.00
39.65	3.35	1.32	0.00
39.70	3.35	1.32	0.00
39.75	3.35	1.32	0.00
39.80	3.35	1.32	0.00
39.85	3.35	1.32	0.00
39.90	3.35	1.32	0.00
39.95	3.35	1.32	0.00
40.00	3.35	1.32	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

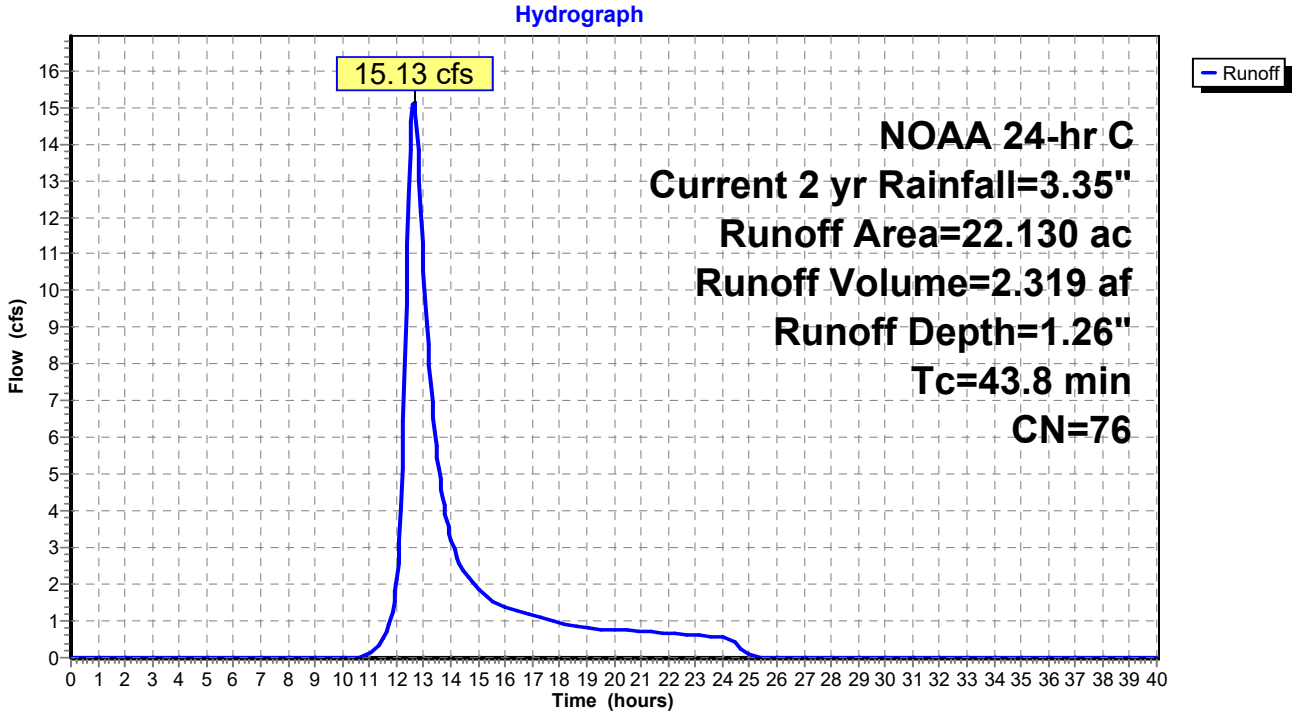
Runoff = 15.13 cfs @ 12.64 hrs, Volume= 2.319 af, Depth= 1.26"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.72	10.54
10.45	0.68	0.00	0.00	13.05	2.56	0.73	9.81
10.50	0.69	0.00	0.00	13.10	2.57	0.74	9.15
10.55	0.70	0.00	0.01	13.15	2.58	0.75	8.53
10.60	0.71	0.00	0.01	13.20	2.60	0.75	7.97
10.65	0.72	0.00	0.02	13.25	2.61	0.76	7.44
10.70	0.73	0.00	0.02	13.30	2.62	0.77	6.97
10.75	0.74	0.00	0.03	13.35	2.63	0.77	6.53
10.80	0.75	0.00	0.04	13.40	2.64	0.78	6.14
10.85	0.77	0.01	0.06	13.45	2.65	0.79	5.78
10.90	0.78	0.01	0.07	13.50	2.66	0.79	5.45
10.95	0.79	0.01	0.09	13.55	2.67	0.80	5.14
11.00	0.80	0.01	0.11	13.60	2.68	0.80	4.86
11.05	0.82	0.01	0.13	13.65	2.68	0.81	4.60
11.10	0.83	0.01	0.16	13.70	2.69	0.81	4.36
11.15	0.85	0.01	0.19	13.75	2.70	0.82	4.14
11.20	0.87	0.02	0.22	13.80	2.71	0.82	3.93
11.25	0.89	0.02	0.26	13.85	2.72	0.83	3.74
11.30	0.91	0.02	0.30	13.90	2.72	0.83	3.56
11.35	0.93	0.03	0.34	13.95	2.73	0.84	3.40
11.40	0.95	0.03	0.39	14.00	2.74	0.84	3.25
11.45	0.97	0.03	0.45	14.05	2.75	0.85	3.12
11.50	0.99	0.04	0.52	14.10	2.75	0.85	2.99
11.55	1.02	0.04	0.59	14.15	2.76	0.86	2.88
11.60	1.06	0.05	0.67	14.20	2.77	0.86	2.78
11.65	1.09	0.06	0.76	14.25	2.77	0.87	2.69
11.70	1.13	0.07	0.86	14.30	2.78	0.87	2.60
11.75	1.18	0.08	0.99	14.35	2.79	0.87	2.53
11.80	1.23	0.09	1.14	14.40	2.79	0.88	2.46
11.85	1.29	0.12	1.32	14.45	2.80	0.88	2.39
11.90	1.36	0.14	1.54	14.50	2.81	0.89	2.33
11.95	1.48	0.18	1.80	14.55	2.81	0.89	2.28
12.00	1.60	0.23	2.15	14.60	2.82	0.89	2.22
12.05	1.79	0.31	2.60	14.65	2.82	0.90	2.18
12.10	1.99	0.41	3.21	14.70	2.83	0.90	2.13
12.15	2.06	0.44	4.05	14.75	2.84	0.91	2.09
12.20	2.12	0.48	5.13	14.80	2.84	0.91	2.05
12.25	2.17	0.51	6.46	14.85	2.85	0.91	2.01
12.30	2.22	0.53	7.99	14.90	2.85	0.92	1.97
12.35	2.26	0.55	9.65	14.95	2.86	0.92	1.93
12.40	2.29	0.57	11.27	15.00	2.86	0.92	1.89
12.45	2.33	0.59	12.71	15.05	2.87	0.93	1.86
12.50	2.36	0.61	13.85	15.10	2.87	0.93	1.82
12.55	2.38	0.62	14.61	15.15	2.87	0.93	1.79
12.60	2.40	0.64	15.06	15.20	2.88	0.93	1.75
12.65	2.42	0.65	**15.12**	15.25	2.88	0.94	1.71
12.70	2.44	0.66	14.93	15.30	2.89	0.94	1.68
12.75	2.46	0.67	14.46	15.35	2.89	0.94	1.64
12.80	2.48	0.68	13.82	15.40	2.90	0.95	1.61
12.85	2.50	0.69	13.00	15.45	2.90	0.95	1.58
12.90	2.52	0.70	12.17	15.50	2.91	0.95	1.55
12.95	2.53	0.71	11.32	15.55	2.91	0.96	1.52

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.96	1.50	18.20	3.10	1.08	0.92
15.65	2.92	0.96	1.47	18.25	3.10	1.08	0.92
15.70	2.92	0.96	1.45	18.30	3.10	1.08	0.91
15.75	2.93	0.97	1.43	18.35	3.10	1.09	0.90
15.80	2.93	0.97	1.41	18.40	3.11	1.09	0.89
15.85	2.94	0.97	1.40	18.45	3.11	1.09	0.88
15.90	2.94	0.98	1.38	18.50	3.11	1.09	0.87
15.95	2.94	0.98	1.37	18.55	3.11	1.09	0.86
16.00	2.95	0.98	1.35	18.60	3.12	1.09	0.86
16.05	2.95	0.98	1.34	18.65	3.12	1.10	0.85
16.10	2.96	0.99	1.33	18.70	3.12	1.10	0.84
16.15	2.96	0.99	1.32	18.75	3.12	1.10	0.84
16.20	2.96	0.99	1.31	18.80	3.13	1.10	0.83
16.25	2.97	0.99	1.30	18.85	3.13	1.10	0.83
16.30	2.97	1.00	1.29	18.90	3.13	1.10	0.82
16.35	2.98	1.00	1.27	18.95	3.13	1.11	0.82
16.40	2.98	1.00	1.27	19.00	3.14	1.11	0.82
16.45	2.98	1.00	1.25	19.05	3.14	1.11	0.81
16.50	2.99	1.01	1.25	19.10	3.14	1.11	0.81
16.55	2.99	1.01	1.24	19.15	3.14	1.11	0.81
16.60	3.00	1.01	1.23	19.20	3.15	1.12	0.81
16.65	3.00	1.01	1.22	19.25	3.15	1.12	0.80
16.70	3.00	1.02	1.21	19.30	3.15	1.12	0.80
16.75	3.01	1.02	1.20	19.35	3.15	1.12	0.80
16.80	3.01	1.02	1.19	19.40	3.16	1.12	0.79
16.85	3.01	1.02	1.18	19.45	3.16	1.12	0.79
16.90	3.02	1.03	1.17	19.50	3.16	1.13	0.79
16.95	3.02	1.03	1.16	19.55	3.16	1.13	0.79
17.00	3.02	1.03	1.15	19.60	3.17	1.13	0.78
17.05	3.03	1.03	1.14	19.65	3.17	1.13	0.78
17.10	3.03	1.04	1.13	19.70	3.17	1.13	0.78
17.15	3.03	1.04	1.12	19.75	3.17	1.13	0.78
17.20	3.04	1.04	1.11	19.80	3.18	1.14	0.78
17.25	3.04	1.04	1.10	19.85	3.18	1.14	0.77
17.30	3.04	1.04	1.10	19.90	3.18	1.14	0.77
17.35	3.05	1.05	1.09	19.95	3.18	1.14	0.77
17.40	3.05	1.05	1.08	20.00	3.19	1.14	0.77
17.45	3.05	1.05	1.07	20.05	3.19	1.14	0.76
17.50	3.06	1.05	1.06	20.10	3.19	1.15	0.76
17.55	3.06	1.05	1.05	20.15	3.19	1.15	0.76
17.60	3.06	1.06	1.04	20.20	3.20	1.15	0.76
17.65	3.06	1.06	1.03	20.25	3.20	1.15	0.75
17.70	3.07	1.06	1.02	20.30	3.20	1.15	0.75
17.75	3.07	1.06	1.01	20.35	3.20	1.15	0.75
17.80	3.07	1.06	1.00	20.40	3.20	1.16	0.75
17.85	3.08	1.07	0.99	20.45	3.21	1.16	0.75
17.90	3.08	1.07	0.98	20.50	3.21	1.16	0.74
17.95	3.08	1.07	0.97	20.55	3.21	1.16	0.74
18.00	3.08	1.07	0.96	20.60	3.21	1.16	0.74
18.05	3.09	1.07	0.95	20.65	3.22	1.16	0.74
18.10	3.09	1.08	0.94	20.70	3.22	1.16	0.73
18.15	3.09	1.08	0.94	20.75	3.22	1.17	0.73

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.17	0.73	23.40	3.33	1.24	0.60
20.85	3.23	1.17	0.73	23.45	3.33	1.24	0.60
20.90	3.23	1.17	0.72	23.50	3.33	1.24	0.60
20.95	3.23	1.17	0.72	23.55	3.33	1.25	0.60
21.00	3.23	1.17	0.72	23.60	3.34	1.25	0.60
21.05	3.23	1.18	0.72	23.65	3.34	1.25	0.59
21.10	3.24	1.18	0.72	23.70	3.34	1.25	0.59
21.15	3.24	1.18	0.71	23.75	3.34	1.25	0.59
21.20	3.24	1.18	0.71	23.80	3.34	1.25	0.59
21.25	3.24	1.18	0.71	23.85	3.34	1.25	0.58
21.30	3.24	1.18	0.71	23.90	3.35	1.25	0.58
21.35	3.25	1.18	0.70	23.95	3.35	1.26	0.58
21.40	3.25	1.19	0.70	24.00	**3.35**	**1.26**	0.58
21.45	3.25	1.19	0.70	24.05	3.35	1.26	0.57
21.50	3.25	1.19	0.70	24.10	3.35	1.26	0.57
21.55	3.26	1.19	0.69	24.15	3.35	1.26	0.57
21.60	3.26	1.19	0.69	24.20	3.35	1.26	0.56
21.65	3.26	1.19	0.69	24.25	3.35	1.26	0.55
21.70	3.26	1.20	0.69	24.30	3.35	1.26	0.53
21.75	3.26	1.20	0.69	24.35	3.35	1.26	0.51
21.80	3.27	1.20	0.68	24.40	3.35	1.26	0.48
21.85	3.27	1.20	0.68	24.45	3.35	1.26	0.44
21.90	3.27	1.20	0.68	24.50	3.35	1.26	0.40
21.95	3.27	1.20	0.68	24.55	3.35	1.26	0.36
22.00	3.27	1.20	0.67	24.60	3.35	1.26	0.31
22.05	3.28	1.21	0.67	24.65	3.35	1.26	0.27
22.10	3.28	1.21	0.67	24.70	3.35	1.26	0.23
22.15	3.28	1.21	0.67	24.75	3.35	1.26	0.20
22.20	3.28	1.21	0.66	24.80	3.35	1.26	0.17
22.25	3.28	1.21	0.66	24.85	3.35	1.26	0.14
22.30	3.29	1.21	0.66	24.90	3.35	1.26	0.12
22.35	3.29	1.21	0.66	24.95	3.35	1.26	0.10
22.40	3.29	1.22	0.65	25.00	3.35	1.26	0.08
22.45	3.29	1.22	0.65	25.05	3.35	1.26	0.07
22.50	3.29	1.22	0.65	25.10	3.35	1.26	0.06
22.55	3.30	1.22	0.65	25.15	3.35	1.26	0.05
22.60	3.30	1.22	0.64	25.20	3.35	1.26	0.04
22.65	3.30	1.22	0.64	25.25	3.35	1.26	0.04
22.70	3.30	1.22	0.64	25.30	3.35	1.26	0.03
22.75	3.30	1.22	0.64	25.35	3.35	1.26	0.03
22.80	3.31	1.23	0.63	25.40	3.35	1.26	0.02
22.85	3.31	1.23	0.63	25.45	3.35	1.26	0.02
22.90	3.31	1.23	0.63	25.50	3.35	1.26	0.02
22.95	3.31	1.23	0.63	25.55	3.35	1.26	0.01
23.00	3.31	1.23	0.62	25.60	3.35	1.26	0.01
23.05	3.32	1.23	0.62	25.65	3.35	1.26	0.01
23.10	3.32	1.23	0.62	25.70	3.35	1.26	0.01
23.15	3.32	1.24	0.62	25.75	3.35	1.26	0.01
23.20	3.32	1.24	0.61	25.80	3.35	1.26	0.01
23.25	3.32	1.24	0.61	25.85	3.35	1.26	0.00
23.30	3.32	1.24	0.61	25.90	3.35	1.26	0.00
23.35	3.33	1.24	0.61	25.95	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.26	0.00	28.60	3.35	1.26	0.00
26.05	3.35	1.26	0.00	28.65	3.35	1.26	0.00
26.10	3.35	1.26	0.00	28.70	3.35	1.26	0.00
26.15	3.35	1.26	0.00	28.75	3.35	1.26	0.00
26.20	3.35	1.26	0.00	28.80	3.35	1.26	0.00
26.25	3.35	1.26	0.00	28.85	3.35	1.26	0.00
26.30	3.35	1.26	0.00	28.90	3.35	1.26	0.00
26.35	3.35	1.26	0.00	28.95	3.35	1.26	0.00
26.40	3.35	1.26	0.00	29.00	3.35	1.26	0.00
26.45	3.35	1.26	0.00	29.05	3.35	1.26	0.00
26.50	3.35	1.26	0.00	29.10	3.35	1.26	0.00
26.55	3.35	1.26	0.00	29.15	3.35	1.26	0.00
26.60	3.35	1.26	0.00	29.20	3.35	1.26	0.00
26.65	3.35	1.26	0.00	29.25	3.35	1.26	0.00
26.70	3.35	1.26	0.00	29.30	3.35	1.26	0.00
26.75	3.35	1.26	0.00	29.35	3.35	1.26	0.00
26.80	3.35	1.26	0.00	29.40	3.35	1.26	0.00
26.85	3.35	1.26	0.00	29.45	3.35	1.26	0.00
26.90	3.35	1.26	0.00	29.50	3.35	1.26	0.00
26.95	3.35	1.26	0.00	29.55	3.35	1.26	0.00
27.00	3.35	1.26	0.00	29.60	3.35	1.26	0.00
27.05	3.35	1.26	0.00	29.65	3.35	1.26	0.00
27.10	3.35	1.26	0.00	29.70	3.35	1.26	0.00
27.15	3.35	1.26	0.00	29.75	3.35	1.26	0.00
27.20	3.35	1.26	0.00	29.80	3.35	1.26	0.00
27.25	3.35	1.26	0.00	29.85	3.35	1.26	0.00
27.30	3.35	1.26	0.00	29.90	3.35	1.26	0.00
27.35	3.35	1.26	0.00	29.95	3.35	1.26	0.00
27.40	3.35	1.26	0.00	30.00	3.35	1.26	0.00
27.45	3.35	1.26	0.00	30.05	3.35	1.26	0.00
27.50	3.35	1.26	0.00	30.10	3.35	1.26	0.00
27.55	3.35	1.26	0.00	30.15	3.35	1.26	0.00
27.60	3.35	1.26	0.00	30.20	3.35	1.26	0.00
27.65	3.35	1.26	0.00	30.25	3.35	1.26	0.00
27.70	3.35	1.26	0.00	30.30	3.35	1.26	0.00
27.75	3.35	1.26	0.00	30.35	3.35	1.26	0.00
27.80	3.35	1.26	0.00	30.40	3.35	1.26	0.00
27.85	3.35	1.26	0.00	30.45	3.35	1.26	0.00
27.90	3.35	1.26	0.00	30.50	3.35	1.26	0.00
27.95	3.35	1.26	0.00	30.55	3.35	1.26	0.00
28.00	3.35	1.26	0.00	30.60	3.35	1.26	0.00
28.05	3.35	1.26	0.00	30.65	3.35	1.26	0.00
28.10	3.35	1.26	0.00	30.70	3.35	1.26	0.00
28.15	3.35	1.26	0.00	30.75	3.35	1.26	0.00
28.20	3.35	1.26	0.00	30.80	3.35	1.26	0.00
28.25	3.35	1.26	0.00	30.85	3.35	1.26	0.00
28.30	3.35	1.26	0.00	30.90	3.35	1.26	0.00
28.35	3.35	1.26	0.00	30.95	3.35	1.26	0.00
28.40	3.35	1.26	0.00	31.00	3.35	1.26	0.00
28.45	3.35	1.26	0.00	31.05	3.35	1.26	0.00
28.50	3.35	1.26	0.00	31.10	3.35	1.26	0.00
28.55	3.35	1.26	0.00	31.15	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.26	0.00	33.80	3.35	1.26	0.00
31.25	3.35	1.26	0.00	33.85	3.35	1.26	0.00
31.30	3.35	1.26	0.00	33.90	3.35	1.26	0.00
31.35	3.35	1.26	0.00	33.95	3.35	1.26	0.00
31.40	3.35	1.26	0.00	34.00	3.35	1.26	0.00
31.45	3.35	1.26	0.00	34.05	3.35	1.26	0.00
31.50	3.35	1.26	0.00	34.10	3.35	1.26	0.00
31.55	3.35	1.26	0.00	34.15	3.35	1.26	0.00
31.60	3.35	1.26	0.00	34.20	3.35	1.26	0.00
31.65	3.35	1.26	0.00	34.25	3.35	1.26	0.00
31.70	3.35	1.26	0.00	34.30	3.35	1.26	0.00
31.75	3.35	1.26	0.00	34.35	3.35	1.26	0.00
31.80	3.35	1.26	0.00	34.40	3.35	1.26	0.00
31.85	3.35	1.26	0.00	34.45	3.35	1.26	0.00
31.90	3.35	1.26	0.00	34.50	3.35	1.26	0.00
31.95	3.35	1.26	0.00	34.55	3.35	1.26	0.00
32.00	3.35	1.26	0.00	34.60	3.35	1.26	0.00
32.05	3.35	1.26	0.00	34.65	3.35	1.26	0.00
32.10	3.35	1.26	0.00	34.70	3.35	1.26	0.00
32.15	3.35	1.26	0.00	34.75	3.35	1.26	0.00
32.20	3.35	1.26	0.00	34.80	3.35	1.26	0.00
32.25	3.35	1.26	0.00	34.85	3.35	1.26	0.00
32.30	3.35	1.26	0.00	34.90	3.35	1.26	0.00
32.35	3.35	1.26	0.00	34.95	3.35	1.26	0.00
32.40	3.35	1.26	0.00	35.00	3.35	1.26	0.00
32.45	3.35	1.26	0.00	35.05	3.35	1.26	0.00
32.50	3.35	1.26	0.00	35.10	3.35	1.26	0.00
32.55	3.35	1.26	0.00	35.15	3.35	1.26	0.00
32.60	3.35	1.26	0.00	35.20	3.35	1.26	0.00
32.65	3.35	1.26	0.00	35.25	3.35	1.26	0.00
32.70	3.35	1.26	0.00	35.30	3.35	1.26	0.00
32.75	3.35	1.26	0.00	35.35	3.35	1.26	0.00
32.80	3.35	1.26	0.00	35.40	3.35	1.26	0.00
32.85	3.35	1.26	0.00	35.45	3.35	1.26	0.00
32.90	3.35	1.26	0.00	35.50	3.35	1.26	0.00
32.95	3.35	1.26	0.00	35.55	3.35	1.26	0.00
33.00	3.35	1.26	0.00	35.60	3.35	1.26	0.00
33.05	3.35	1.26	0.00	35.65	3.35	1.26	0.00
33.10	3.35	1.26	0.00	35.70	3.35	1.26	0.00
33.15	3.35	1.26	0.00	35.75	3.35	1.26	0.00
33.20	3.35	1.26	0.00	35.80	3.35	1.26	0.00
33.25	3.35	1.26	0.00	35.85	3.35	1.26	0.00
33.30	3.35	1.26	0.00	35.90	3.35	1.26	0.00
33.35	3.35	1.26	0.00	35.95	3.35	1.26	0.00
33.40	3.35	1.26	0.00	36.00	3.35	1.26	0.00
33.45	3.35	1.26	0.00	36.05	3.35	1.26	0.00
33.50	3.35	1.26	0.00	36.10	3.35	1.26	0.00
33.55	3.35	1.26	0.00	36.15	3.35	1.26	0.00
33.60	3.35	1.26	0.00	36.20	3.35	1.26	0.00
33.65	3.35	1.26	0.00	36.25	3.35	1.26	0.00
33.70	3.35	1.26	0.00	36.30	3.35	1.26	0.00
33.75	3.35	1.26	0.00	36.35	3.35	1.26	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.26	0.00
36.45	3.35	1.26	0.00
36.50	3.35	1.26	0.00
36.55	3.35	1.26	0.00
36.60	3.35	1.26	0.00
36.65	3.35	1.26	0.00
36.70	3.35	1.26	0.00
36.75	3.35	1.26	0.00
36.80	3.35	1.26	0.00
36.85	3.35	1.26	0.00
36.90	3.35	1.26	0.00
36.95	3.35	1.26	0.00
37.00	3.35	1.26	0.00
37.05	3.35	1.26	0.00
37.10	3.35	1.26	0.00
37.15	3.35	1.26	0.00
37.20	3.35	1.26	0.00
37.25	3.35	1.26	0.00
37.30	3.35	1.26	0.00
37.35	3.35	1.26	0.00
37.40	3.35	1.26	0.00
37.45	3.35	1.26	0.00
37.50	3.35	1.26	0.00
37.55	3.35	1.26	0.00
37.60	3.35	1.26	0.00
37.65	3.35	1.26	0.00
37.70	3.35	1.26	0.00
37.75	3.35	1.26	0.00
37.80	3.35	1.26	0.00
37.85	3.35	1.26	0.00
37.90	3.35	1.26	0.00
37.95	3.35	1.26	0.00
38.00	3.35	1.26	0.00
38.05	3.35	1.26	0.00
38.10	3.35	1.26	0.00
38.15	3.35	1.26	0.00
38.20	3.35	1.26	0.00
38.25	3.35	1.26	0.00
38.30	3.35	1.26	0.00
38.35	3.35	1.26	0.00
38.40	3.35	1.26	0.00
38.45	3.35	1.26	0.00
38.50	3.35	1.26	0.00
38.55	3.35	1.26	0.00
38.60	3.35	1.26	0.00
38.65	3.35	1.26	0.00
38.70	3.35	1.26	0.00
38.75	3.35	1.26	0.00
38.80	3.35	1.26	0.00
38.85	3.35	1.26	0.00
38.90	3.35	1.26	0.00
38.95	3.35	1.26	0.00
39.00	3.35	1.26	0.00
39.05	3.35	1.26	0.00
39.10	3.35	1.26	0.00
39.15	3.35	1.26	0.00
39.20	3.35	1.26	0.00
39.25	3.35	1.26	0.00
39.30	3.35	1.26	0.00
39.35	3.35	1.26	0.00
39.40	3.35	1.26	0.00
39.45	3.35	1.26	0.00
39.50	3.35	1.26	0.00
39.55	3.35	1.26	0.00
39.60	3.35	1.26	0.00
39.65	3.35	1.26	0.00
39.70	3.35	1.26	0.00
39.75	3.35	1.26	0.00
39.80	3.35	1.26	0.00
39.85	3.35	1.26	0.00
39.90	3.35	1.26	0.00
39.95	3.35	1.26	0.00
40.00	3.35	1.26	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

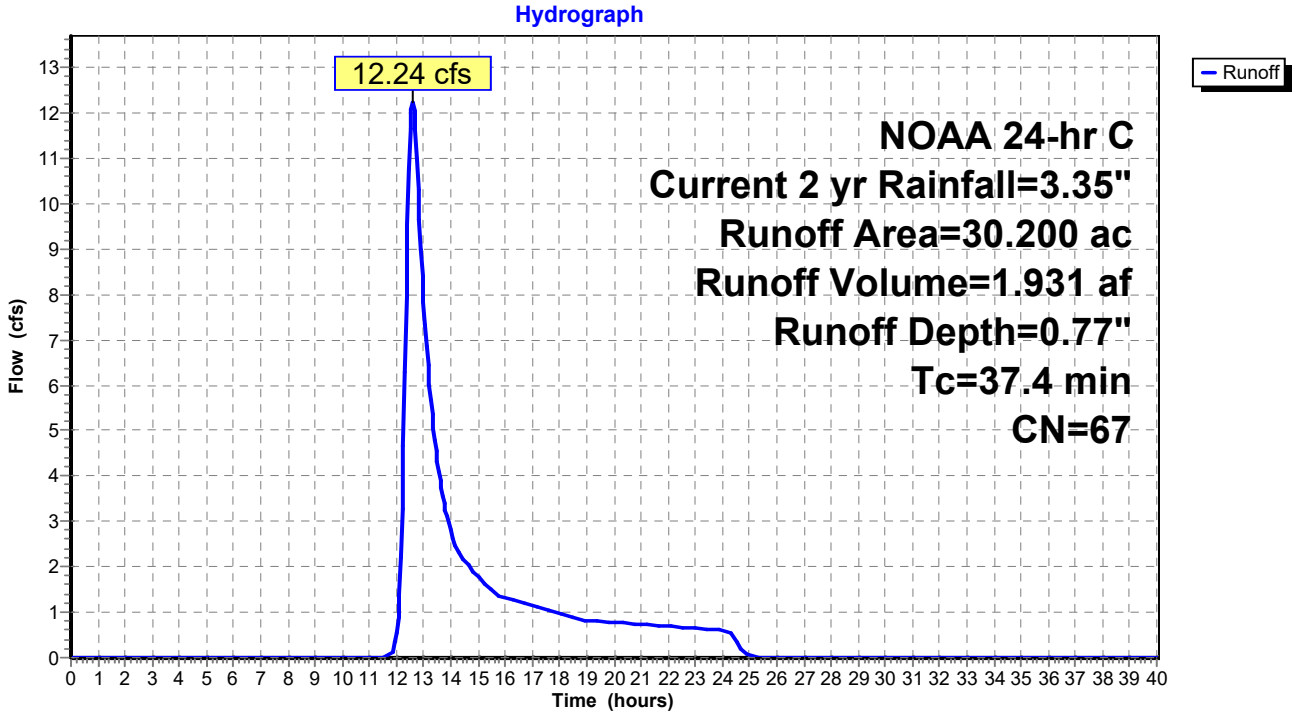
Runoff = 12.24 cfs @ 12.60 hrs, Volume= 1.931 af, Depth= 0.77"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.38	7.85
10.45	0.68	0.00	0.00	13.05	2.56	0.38	7.33
10.50	0.69	0.00	0.00	13.10	2.57	0.39	6.86
10.55	0.70	0.00	0.00	13.15	2.58	0.39	6.43
10.60	0.71	0.00	0.00	13.20	2.60	0.40	6.04
10.65	0.72	0.00	0.00	13.25	2.61	0.40	5.69
10.70	0.73	0.00	0.00	13.30	2.62	0.41	5.36
10.75	0.74	0.00	0.00	13.35	2.63	0.41	5.07
10.80	0.75	0.00	0.00	13.40	2.64	0.42	4.80
10.85	0.77	0.00	0.00	13.45	2.65	0.42	4.55
10.90	0.78	0.00	0.00	13.50	2.66	0.42	4.32
10.95	0.79	0.00	0.00	13.55	2.67	0.43	4.11
11.00	0.80	0.00	0.00	13.60	2.68	0.43	3.91
11.05	0.82	0.00	0.00	13.65	2.68	0.44	3.73
11.10	0.83	0.00	0.00	13.70	2.69	0.44	3.56
11.15	0.85	0.00	0.00	13.75	2.70	0.44	3.40
11.20	0.87	0.00	0.00	13.80	2.71	0.45	3.25
11.25	0.89	0.00	0.00	13.85	2.72	0.45	3.11
11.30	0.91	0.00	0.00	13.90	2.72	0.45	2.98
11.35	0.93	0.00	0.00	13.95	2.73	0.46	2.86
11.40	0.95	0.00	0.00	14.00	2.74	0.46	2.75
11.45	0.97	0.00	0.00	14.05	2.75	0.46	2.65
11.50	0.99	0.00	0.00	14.10	2.75	0.47	2.57
11.55	1.02	0.00	0.00	14.15	2.76	0.47	2.49
11.60	1.06	0.00	0.00	14.20	2.77	0.47	2.42
11.65	1.09	0.00	0.00	14.25	2.77	0.48	2.36
11.70	1.13	0.00	0.01	14.30	2.78	0.48	2.30
11.75	1.18	0.01	0.03	14.35	2.79	0.48	2.25
11.80	1.23	0.01	0.06	14.40	2.79	0.49	2.21
11.85	1.29	0.02	0.11	14.45	2.80	0.49	2.17
11.90	1.36	0.03	0.20	14.50	2.81	0.49	2.13
11.95	1.48	0.05	0.34	14.55	2.81	0.49	2.09
12.00	1.60	0.07	0.55	14.60	2.82	0.50	2.05
12.05	1.79	0.11	0.88	14.65	2.82	0.50	2.01
12.10	1.99	0.17	1.41	14.70	2.83	0.50	1.98
12.15	2.06	0.19	2.19	14.75	2.84	0.51	1.95
12.20	2.12	0.21	3.28	14.80	2.84	0.51	1.91
12.25	2.17	0.23	4.67	14.85	2.85	0.51	1.88
12.30	2.22	0.25	6.28	14.90	2.85	0.51	1.85
12.35	2.26	0.26	7.96	14.95	2.86	0.51	1.81
12.40	2.29	0.27	9.53	15.00	2.86	0.52	1.78
12.45	2.33	0.29	10.77	15.05	2.87	0.52	1.75
12.50	2.36	0.30	11.64	15.10	2.87	0.52	1.71
12.55	2.38	0.31	12.10	15.15	2.87	0.52	1.68
12.60	2.40	0.32	**12.23**	15.20	2.88	0.53	1.65
12.65	2.42	0.33	12.03	15.25	2.88	0.53	1.62
12.70	2.44	0.33	11.60	15.30	2.89	0.53	1.58
12.75	2.46	0.34	11.01	15.35	2.89	0.53	1.55
12.80	2.48	0.35	10.32	15.40	2.90	0.53	1.52
12.85	2.50	0.36	9.64	15.45	2.90	0.54	1.49
12.90	2.52	0.36	9.00	15.50	2.91	0.54	1.47
12.95	2.53	0.37	8.40	15.55	2.91	0.54	1.45

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.54	1.43	18.20	3.10	0.63	0.92
15.65	2.92	0.55	1.41	18.25	3.10	0.63	0.91
15.70	2.92	0.55	1.39	18.30	3.10	0.64	0.90
15.75	2.93	0.55	1.38	18.35	3.10	0.64	0.89
15.80	2.93	0.55	1.36	18.40	3.11	0.64	0.88
15.85	2.94	0.55	1.35	18.45	3.11	0.64	0.87
15.90	2.94	0.56	1.34	18.50	3.11	0.64	0.87
15.95	2.94	0.56	1.33	18.55	3.11	0.64	0.86
16.00	2.95	0.56	1.32	18.60	3.12	0.64	0.85
16.05	2.95	0.56	1.30	18.65	3.12	0.65	0.85
16.10	2.96	0.56	1.30	18.70	3.12	0.65	0.84
16.15	2.96	0.57	1.29	18.75	3.12	0.65	0.84
16.20	2.96	0.57	1.28	18.80	3.13	0.65	0.84
16.25	2.97	0.57	1.27	18.85	3.13	0.65	0.83
16.30	2.97	0.57	1.26	18.90	3.13	0.65	0.83
16.35	2.98	0.57	1.25	18.95	3.13	0.65	0.83
16.40	2.98	0.58	1.24	19.00	3.14	0.65	0.82
16.45	2.98	0.58	1.23	19.05	3.14	0.66	0.82
16.50	2.99	0.58	1.22	19.10	3.14	0.66	0.82
16.55	2.99	0.58	1.21	19.15	3.14	0.66	0.82
16.60	3.00	0.58	1.21	19.20	3.15	0.66	0.81
16.65	3.00	0.58	1.20	19.25	3.15	0.66	0.81
16.70	3.00	0.59	1.19	19.30	3.15	0.66	0.81
16.75	3.01	0.59	1.18	19.35	3.15	0.66	0.81
16.80	3.01	0.59	1.17	19.40	3.16	0.66	0.81
16.85	3.01	0.59	1.16	19.45	3.16	0.67	0.80
16.90	3.02	0.59	1.15	19.50	3.16	0.67	0.80
16.95	3.02	0.59	1.14	19.55	3.16	0.67	0.80
17.00	3.02	0.60	1.14	19.60	3.17	0.67	0.80
17.05	3.03	0.60	1.13	19.65	3.17	0.67	0.79
17.10	3.03	0.60	1.12	19.70	3.17	0.67	0.79
17.15	3.03	0.60	1.11	19.75	3.17	0.67	0.79
17.20	3.04	0.60	1.10	19.80	3.18	0.67	0.79
17.25	3.04	0.60	1.09	19.85	3.18	0.68	0.79
17.30	3.04	0.61	1.08	19.90	3.18	0.68	0.78
17.35	3.05	0.61	1.07	19.95	3.18	0.68	0.78
17.40	3.05	0.61	1.07	20.00	3.19	0.68	0.78
17.45	3.05	0.61	1.06	20.05	3.19	0.68	0.78
17.50	3.06	0.61	1.05	20.10	3.19	0.68	0.78
17.55	3.06	0.61	1.04	20.15	3.19	0.68	0.77
17.60	3.06	0.62	1.03	20.20	3.20	0.68	0.77
17.65	3.06	0.62	1.02	20.25	3.20	0.69	0.77
17.70	3.07	0.62	1.01	20.30	3.20	0.69	0.77
17.75	3.07	0.62	1.00	20.35	3.20	0.69	0.76
17.80	3.07	0.62	0.99	20.40	3.20	0.69	0.76
17.85	3.08	0.62	0.98	20.45	3.21	0.69	0.76
17.90	3.08	0.62	0.97	20.50	3.21	0.69	0.76
17.95	3.08	0.63	0.96	20.55	3.21	0.69	0.76
18.00	3.08	0.63	0.96	20.60	3.21	0.69	0.75
18.05	3.09	0.63	0.95	20.65	3.22	0.70	0.75
18.10	3.09	0.63	0.94	20.70	3.22	0.70	0.75
18.15	3.09	0.63	0.93	20.75	3.22	0.70	0.75

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.70	0.74	23.40	3.33	0.76	0.62
20.85	3.23	0.70	0.74	23.45	3.33	0.76	0.62
20.90	3.23	0.70	0.74	23.50	3.33	0.76	0.62
20.95	3.23	0.70	0.74	23.55	3.33	0.76	0.62
21.00	3.23	0.70	0.74	23.60	3.34	0.76	0.61
21.05	3.23	0.70	0.73	23.65	3.34	0.76	0.61
21.10	3.24	0.71	0.73	23.70	3.34	0.76	0.61
21.15	3.24	0.71	0.73	23.75	3.34	0.76	0.61
21.20	3.24	0.71	0.73	23.80	3.34	0.76	0.60
21.25	3.24	0.71	0.72	23.85	3.34	0.76	0.60
21.30	3.24	0.71	0.72	23.90	3.35	0.76	0.60
21.35	3.25	0.71	0.72	23.95	3.35	0.77	0.60
21.40	3.25	0.71	0.72	24.00	**3.35**	**0.77**	0.59
21.45	3.25	0.71	0.71	24.05	3.35	0.77	0.59
21.50	3.25	0.72	0.71	24.10	3.35	0.77	0.59
21.55	3.26	0.72	0.71	24.15	3.35	0.77	0.59
21.60	3.26	0.72	0.71	24.20	3.35	0.77	0.58
21.65	3.26	0.72	0.71	24.25	3.35	0.77	0.56
21.70	3.26	0.72	0.70	24.30	3.35	0.77	0.53
21.75	3.26	0.72	0.70	24.35	3.35	0.77	0.49
21.80	3.27	0.72	0.70	24.40	3.35	0.77	0.45
21.85	3.27	0.72	0.70	24.45	3.35	0.77	0.39
21.90	3.27	0.72	0.69	24.50	3.35	0.77	0.34
21.95	3.27	0.73	0.69	24.55	3.35	0.77	0.29
22.00	3.27	0.73	0.69	24.60	3.35	0.77	0.24
22.05	3.28	0.73	0.69	24.65	3.35	0.77	0.20
22.10	3.28	0.73	0.69	24.70	3.35	0.77	0.16
22.15	3.28	0.73	0.68	24.75	3.35	0.77	0.13
22.20	3.28	0.73	0.68	24.80	3.35	0.77	0.11
22.25	3.28	0.73	0.68	24.85	3.35	0.77	0.09
22.30	3.29	0.73	0.68	24.90	3.35	0.77	0.07
22.35	3.29	0.73	0.67	24.95	3.35	0.77	0.06
22.40	3.29	0.73	0.67	25.00	3.35	0.77	0.05
22.45	3.29	0.74	0.67	25.05	3.35	0.77	0.04
22.50	3.29	0.74	0.67	25.10	3.35	0.77	0.03
22.55	3.30	0.74	0.66	25.15	3.35	0.77	0.03
22.60	3.30	0.74	0.66	25.20	3.35	0.77	0.02
22.65	3.30	0.74	0.66	25.25	3.35	0.77	0.02
22.70	3.30	0.74	0.66	25.30	3.35	0.77	0.01
22.75	3.30	0.74	0.65	25.35	3.35	0.77	0.01
22.80	3.31	0.74	0.65	25.40	3.35	0.77	0.01
22.85	3.31	0.74	0.65	25.45	3.35	0.77	0.01
22.90	3.31	0.75	0.65	25.50	3.35	0.77	0.01
22.95	3.31	0.75	0.65	25.55	3.35	0.77	0.01
23.00	3.31	0.75	0.64	25.60	3.35	0.77	0.00
23.05	3.32	0.75	0.64	25.65	3.35	0.77	0.00
23.10	3.32	0.75	0.64	25.70	3.35	0.77	0.00
23.15	3.32	0.75	0.64	25.75	3.35	0.77	0.00
23.20	3.32	0.75	0.63	25.80	3.35	0.77	0.00
23.25	3.32	0.75	0.63	25.85	3.35	0.77	0.00
23.30	3.32	0.75	0.63	25.90	3.35	0.77	0.00
23.35	3.33	0.75	0.63	25.95	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.77	0.00	28.60	3.35	0.77	0.00
26.05	3.35	0.77	0.00	28.65	3.35	0.77	0.00
26.10	3.35	0.77	0.00	28.70	3.35	0.77	0.00
26.15	3.35	0.77	0.00	28.75	3.35	0.77	0.00
26.20	3.35	0.77	0.00	28.80	3.35	0.77	0.00
26.25	3.35	0.77	0.00	28.85	3.35	0.77	0.00
26.30	3.35	0.77	0.00	28.90	3.35	0.77	0.00
26.35	3.35	0.77	0.00	28.95	3.35	0.77	0.00
26.40	3.35	0.77	0.00	29.00	3.35	0.77	0.00
26.45	3.35	0.77	0.00	29.05	3.35	0.77	0.00
26.50	3.35	0.77	0.00	29.10	3.35	0.77	0.00
26.55	3.35	0.77	0.00	29.15	3.35	0.77	0.00
26.60	3.35	0.77	0.00	29.20	3.35	0.77	0.00
26.65	3.35	0.77	0.00	29.25	3.35	0.77	0.00
26.70	3.35	0.77	0.00	29.30	3.35	0.77	0.00
26.75	3.35	0.77	0.00	29.35	3.35	0.77	0.00
26.80	3.35	0.77	0.00	29.40	3.35	0.77	0.00
26.85	3.35	0.77	0.00	29.45	3.35	0.77	0.00
26.90	3.35	0.77	0.00	29.50	3.35	0.77	0.00
26.95	3.35	0.77	0.00	29.55	3.35	0.77	0.00
27.00	3.35	0.77	0.00	29.60	3.35	0.77	0.00
27.05	3.35	0.77	0.00	29.65	3.35	0.77	0.00
27.10	3.35	0.77	0.00	29.70	3.35	0.77	0.00
27.15	3.35	0.77	0.00	29.75	3.35	0.77	0.00
27.20	3.35	0.77	0.00	29.80	3.35	0.77	0.00
27.25	3.35	0.77	0.00	29.85	3.35	0.77	0.00
27.30	3.35	0.77	0.00	29.90	3.35	0.77	0.00
27.35	3.35	0.77	0.00	29.95	3.35	0.77	0.00
27.40	3.35	0.77	0.00	30.00	3.35	0.77	0.00
27.45	3.35	0.77	0.00	30.05	3.35	0.77	0.00
27.50	3.35	0.77	0.00	30.10	3.35	0.77	0.00
27.55	3.35	0.77	0.00	30.15	3.35	0.77	0.00
27.60	3.35	0.77	0.00	30.20	3.35	0.77	0.00
27.65	3.35	0.77	0.00	30.25	3.35	0.77	0.00
27.70	3.35	0.77	0.00	30.30	3.35	0.77	0.00
27.75	3.35	0.77	0.00	30.35	3.35	0.77	0.00
27.80	3.35	0.77	0.00	30.40	3.35	0.77	0.00
27.85	3.35	0.77	0.00	30.45	3.35	0.77	0.00
27.90	3.35	0.77	0.00	30.50	3.35	0.77	0.00
27.95	3.35	0.77	0.00	30.55	3.35	0.77	0.00
28.00	3.35	0.77	0.00	30.60	3.35	0.77	0.00
28.05	3.35	0.77	0.00	30.65	3.35	0.77	0.00
28.10	3.35	0.77	0.00	30.70	3.35	0.77	0.00
28.15	3.35	0.77	0.00	30.75	3.35	0.77	0.00
28.20	3.35	0.77	0.00	30.80	3.35	0.77	0.00
28.25	3.35	0.77	0.00	30.85	3.35	0.77	0.00
28.30	3.35	0.77	0.00	30.90	3.35	0.77	0.00
28.35	3.35	0.77	0.00	30.95	3.35	0.77	0.00
28.40	3.35	0.77	0.00	31.00	3.35	0.77	0.00
28.45	3.35	0.77	0.00	31.05	3.35	0.77	0.00
28.50	3.35	0.77	0.00	31.10	3.35	0.77	0.00
28.55	3.35	0.77	0.00	31.15	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.77	0.00	33.80	3.35	0.77	0.00
31.25	3.35	0.77	0.00	33.85	3.35	0.77	0.00
31.30	3.35	0.77	0.00	33.90	3.35	0.77	0.00
31.35	3.35	0.77	0.00	33.95	3.35	0.77	0.00
31.40	3.35	0.77	0.00	34.00	3.35	0.77	0.00
31.45	3.35	0.77	0.00	34.05	3.35	0.77	0.00
31.50	3.35	0.77	0.00	34.10	3.35	0.77	0.00
31.55	3.35	0.77	0.00	34.15	3.35	0.77	0.00
31.60	3.35	0.77	0.00	34.20	3.35	0.77	0.00
31.65	3.35	0.77	0.00	34.25	3.35	0.77	0.00
31.70	3.35	0.77	0.00	34.30	3.35	0.77	0.00
31.75	3.35	0.77	0.00	34.35	3.35	0.77	0.00
31.80	3.35	0.77	0.00	34.40	3.35	0.77	0.00
31.85	3.35	0.77	0.00	34.45	3.35	0.77	0.00
31.90	3.35	0.77	0.00	34.50	3.35	0.77	0.00
31.95	3.35	0.77	0.00	34.55	3.35	0.77	0.00
32.00	3.35	0.77	0.00	34.60	3.35	0.77	0.00
32.05	3.35	0.77	0.00	34.65	3.35	0.77	0.00
32.10	3.35	0.77	0.00	34.70	3.35	0.77	0.00
32.15	3.35	0.77	0.00	34.75	3.35	0.77	0.00
32.20	3.35	0.77	0.00	34.80	3.35	0.77	0.00
32.25	3.35	0.77	0.00	34.85	3.35	0.77	0.00
32.30	3.35	0.77	0.00	34.90	3.35	0.77	0.00
32.35	3.35	0.77	0.00	34.95	3.35	0.77	0.00
32.40	3.35	0.77	0.00	35.00	3.35	0.77	0.00
32.45	3.35	0.77	0.00	35.05	3.35	0.77	0.00
32.50	3.35	0.77	0.00	35.10	3.35	0.77	0.00
32.55	3.35	0.77	0.00	35.15	3.35	0.77	0.00
32.60	3.35	0.77	0.00	35.20	3.35	0.77	0.00
32.65	3.35	0.77	0.00	35.25	3.35	0.77	0.00
32.70	3.35	0.77	0.00	35.30	3.35	0.77	0.00
32.75	3.35	0.77	0.00	35.35	3.35	0.77	0.00
32.80	3.35	0.77	0.00	35.40	3.35	0.77	0.00
32.85	3.35	0.77	0.00	35.45	3.35	0.77	0.00
32.90	3.35	0.77	0.00	35.50	3.35	0.77	0.00
32.95	3.35	0.77	0.00	35.55	3.35	0.77	0.00
33.00	3.35	0.77	0.00	35.60	3.35	0.77	0.00
33.05	3.35	0.77	0.00	35.65	3.35	0.77	0.00
33.10	3.35	0.77	0.00	35.70	3.35	0.77	0.00
33.15	3.35	0.77	0.00	35.75	3.35	0.77	0.00
33.20	3.35	0.77	0.00	35.80	3.35	0.77	0.00
33.25	3.35	0.77	0.00	35.85	3.35	0.77	0.00
33.30	3.35	0.77	0.00	35.90	3.35	0.77	0.00
33.35	3.35	0.77	0.00	35.95	3.35	0.77	0.00
33.40	3.35	0.77	0.00	36.00	3.35	0.77	0.00
33.45	3.35	0.77	0.00	36.05	3.35	0.77	0.00
33.50	3.35	0.77	0.00	36.10	3.35	0.77	0.00
33.55	3.35	0.77	0.00	36.15	3.35	0.77	0.00
33.60	3.35	0.77	0.00	36.20	3.35	0.77	0.00
33.65	3.35	0.77	0.00	36.25	3.35	0.77	0.00
33.70	3.35	0.77	0.00	36.30	3.35	0.77	0.00
33.75	3.35	0.77	0.00	36.35	3.35	0.77	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.77	0.00
36.45	3.35	0.77	0.00
36.50	3.35	0.77	0.00
36.55	3.35	0.77	0.00
36.60	3.35	0.77	0.00
36.65	3.35	0.77	0.00
36.70	3.35	0.77	0.00
36.75	3.35	0.77	0.00
36.80	3.35	0.77	0.00
36.85	3.35	0.77	0.00
36.90	3.35	0.77	0.00
36.95	3.35	0.77	0.00
37.00	3.35	0.77	0.00
37.05	3.35	0.77	0.00
37.10	3.35	0.77	0.00
37.15	3.35	0.77	0.00
37.20	3.35	0.77	0.00
37.25	3.35	0.77	0.00
37.30	3.35	0.77	0.00
37.35	3.35	0.77	0.00
37.40	3.35	0.77	0.00
37.45	3.35	0.77	0.00
37.50	3.35	0.77	0.00
37.55	3.35	0.77	0.00
37.60	3.35	0.77	0.00
37.65	3.35	0.77	0.00
37.70	3.35	0.77	0.00
37.75	3.35	0.77	0.00
37.80	3.35	0.77	0.00
37.85	3.35	0.77	0.00
37.90	3.35	0.77	0.00
37.95	3.35	0.77	0.00
38.00	3.35	0.77	0.00
38.05	3.35	0.77	0.00
38.10	3.35	0.77	0.00
38.15	3.35	0.77	0.00
38.20	3.35	0.77	0.00
38.25	3.35	0.77	0.00
38.30	3.35	0.77	0.00
38.35	3.35	0.77	0.00
38.40	3.35	0.77	0.00
38.45	3.35	0.77	0.00
38.50	3.35	0.77	0.00
38.55	3.35	0.77	0.00
38.60	3.35	0.77	0.00
38.65	3.35	0.77	0.00
38.70	3.35	0.77	0.00
38.75	3.35	0.77	0.00
38.80	3.35	0.77	0.00
38.85	3.35	0.77	0.00
38.90	3.35	0.77	0.00
38.95	3.35	0.77	0.00
39.00	3.35	0.77	0.00
39.05	3.35	0.77	0.00
39.10	3.35	0.77	0.00
39.15	3.35	0.77	0.00
39.20	3.35	0.77	0.00
39.25	3.35	0.77	0.00
39.30	3.35	0.77	0.00
39.35	3.35	0.77	0.00
39.40	3.35	0.77	0.00
39.45	3.35	0.77	0.00
39.50	3.35	0.77	0.00
39.55	3.35	0.77	0.00
39.60	3.35	0.77	0.00
39.65	3.35	0.77	0.00
39.70	3.35	0.77	0.00
39.75	3.35	0.77	0.00
39.80	3.35	0.77	0.00
39.85	3.35	0.77	0.00
39.90	3.35	0.77	0.00
39.95	3.35	0.77	0.00
40.00	3.35	0.77	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

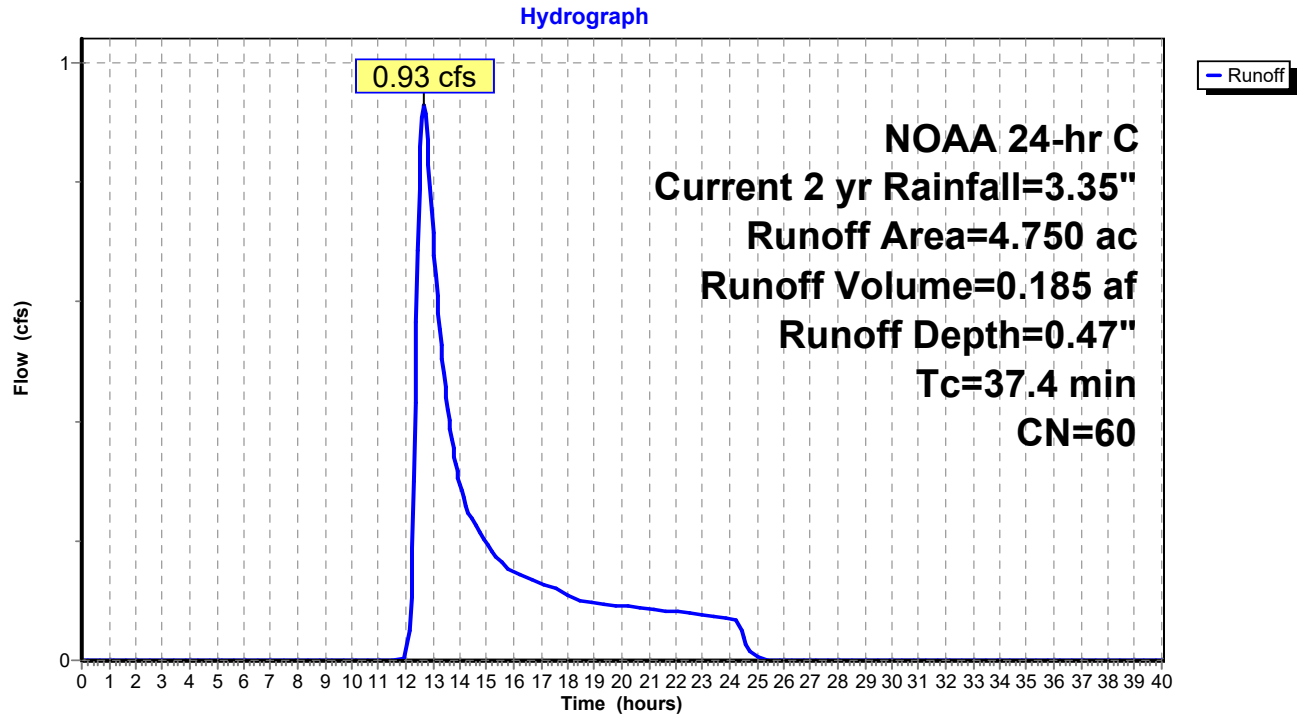
Runoff = 0.93 cfs @ 12.67 hrs, Volume= 0.185 af, Depth= 0.47"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.19	0.71
10.45	0.68	0.00	0.00	13.05	2.56	0.19	0.68
10.50	0.69	0.00	0.00	13.10	2.57	0.19	0.64
10.55	0.70	0.00	0.00	13.15	2.58	0.20	0.61
10.60	0.71	0.00	0.00	13.20	2.60	0.20	0.58
10.65	0.72	0.00	0.00	13.25	2.61	0.20	0.55
10.70	0.73	0.00	0.00	13.30	2.62	0.21	0.53
10.75	0.74	0.00	0.00	13.35	2.63	0.21	0.50
10.80	0.75	0.00	0.00	13.40	2.64	0.21	0.48
10.85	0.77	0.00	0.00	13.45	2.65	0.22	0.46
10.90	0.78	0.00	0.00	13.50	2.66	0.22	0.44
10.95	0.79	0.00	0.00	13.55	2.67	0.22	0.42
11.00	0.80	0.00	0.00	13.60	2.68	0.23	0.40
11.05	0.82	0.00	0.00	13.65	2.68	0.23	0.39
11.10	0.83	0.00	0.00	13.70	2.69	0.23	0.37
11.15	0.85	0.00	0.00	13.75	2.70	0.23	0.36
11.20	0.87	0.00	0.00	13.80	2.71	0.24	0.34
11.25	0.89	0.00	0.00	13.85	2.72	0.24	0.33
11.30	0.91	0.00	0.00	13.90	2.72	0.24	0.32
11.35	0.93	0.00	0.00	13.95	2.73	0.24	0.30
11.40	0.95	0.00	0.00	14.00	2.74	0.24	0.29
11.45	0.97	0.00	0.00	14.05	2.75	0.25	0.28
11.50	0.99	0.00	0.00	14.10	2.75	0.25	0.28
11.55	1.02	0.00	0.00	14.15	2.76	0.25	0.27
11.60	1.06	0.00	0.00	14.20	2.77	0.25	0.26
11.65	1.09	0.00	0.00	14.25	2.77	0.26	0.26
11.70	1.13	0.00	0.00	14.30	2.78	0.26	0.25
11.75	1.18	0.00	0.00	14.35	2.79	0.26	0.24
11.80	1.23	0.00	0.00	14.40	2.79	0.26	0.24
11.85	1.29	0.00	0.00	14.45	2.80	0.26	0.24
11.90	1.36	0.00	0.00	14.50	2.81	0.27	0.23
11.95	1.48	0.00	0.00	14.55	2.81	0.27	0.23
12.00	1.60	0.01	0.00	14.60	2.82	0.27	0.22
12.05	1.79	0.03	0.01	14.65	2.82	0.27	0.22
12.10	1.99	0.06	0.02	14.70	2.83	0.27	0.22
12.15	2.06	0.07	0.05	14.75	2.84	0.28	0.21
12.20	2.12	0.08	0.10	14.80	2.84	0.28	0.21
12.25	2.17	0.09	0.19	14.85	2.85	0.28	0.21
12.30	2.22	0.10	0.30	14.90	2.85	0.28	0.20
12.35	2.26	0.11	0.43	14.95	2.86	0.28	0.20
12.40	2.29	0.12	0.57	15.00	2.86	0.28	0.20
12.45	2.33	0.13	0.69	15.05	2.87	0.29	0.19
12.50	2.36	0.14	0.79	15.10	2.87	0.29	0.19
12.55	2.38	0.14	0.86	15.15	2.87	0.29	0.19
12.60	2.40	0.15	0.91	15.20	2.88	0.29	0.18
12.65	2.42	0.15	**0.93**	15.25	2.88	0.29	0.18
12.70	2.44	0.16	0.92	15.30	2.89	0.29	0.18
12.75	2.46	0.16	0.90	15.35	2.89	0.30	0.17
12.80	2.48	0.17	0.87	15.40	2.90	0.30	0.17
12.85	2.50	0.17	0.83	15.45	2.90	0.30	0.17
12.90	2.52	0.18	0.79	15.50	2.91	0.30	0.16
12.95	2.53	0.18	0.75	15.55	2.91	0.30	0.16

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.30	0.16	18.20	3.10	0.37	0.11
15.65	2.92	0.30	0.16	18.25	3.10	0.37	0.10
15.70	2.92	0.31	0.16	18.30	3.10	0.37	0.10
15.75	2.93	0.31	0.15	18.35	3.10	0.37	0.10
15.80	2.93	0.31	0.15	18.40	3.11	0.37	0.10
15.85	2.94	0.31	0.15	18.45	3.11	0.37	0.10
15.90	2.94	0.31	0.15	18.50	3.11	0.37	0.10
15.95	2.94	0.31	0.15	18.55	3.11	0.38	0.10
16.00	2.95	0.32	0.15	18.60	3.12	0.38	0.10
16.05	2.95	0.32	0.15	18.65	3.12	0.38	0.10
16.10	2.96	0.32	0.15	18.70	3.12	0.38	0.10
16.15	2.96	0.32	0.14	18.75	3.12	0.38	0.10
16.20	2.96	0.32	0.14	18.80	3.13	0.38	0.10
16.25	2.97	0.32	0.14	18.85	3.13	0.38	0.10
16.30	2.97	0.32	0.14	18.90	3.13	0.38	0.10
16.35	2.98	0.32	0.14	18.95	3.13	0.38	0.10
16.40	2.98	0.33	0.14	19.00	3.14	0.38	0.10
16.45	2.98	0.33	0.14	19.05	3.14	0.39	0.10
16.50	2.99	0.33	0.14	19.10	3.14	0.39	0.09
16.55	2.99	0.33	0.14	19.15	3.14	0.39	0.09
16.60	3.00	0.33	0.14	19.20	3.15	0.39	0.09
16.65	3.00	0.33	0.14	19.25	3.15	0.39	0.09
16.70	3.00	0.33	0.13	19.30	3.15	0.39	0.09
16.75	3.01	0.34	0.13	19.35	3.15	0.39	0.09
16.80	3.01	0.34	0.13	19.40	3.16	0.39	0.09
16.85	3.01	0.34	0.13	19.45	3.16	0.39	0.09
16.90	3.02	0.34	0.13	19.50	3.16	0.39	0.09
16.95	3.02	0.34	0.13	19.55	3.16	0.39	0.09
17.00	3.02	0.34	0.13	19.60	3.17	0.40	0.09
17.05	3.03	0.34	0.13	19.65	3.17	0.40	0.09
17.10	3.03	0.34	0.13	19.70	3.17	0.40	0.09
17.15	3.03	0.35	0.13	19.75	3.17	0.40	0.09
17.20	3.04	0.35	0.13	19.80	3.18	0.40	0.09
17.25	3.04	0.35	0.12	19.85	3.18	0.40	0.09
17.30	3.04	0.35	0.12	19.90	3.18	0.40	0.09
17.35	3.05	0.35	0.12	19.95	3.18	0.40	0.09
17.40	3.05	0.35	0.12	20.00	3.19	0.40	0.09
17.45	3.05	0.35	0.12	20.05	3.19	0.40	0.09
17.50	3.06	0.35	0.12	20.10	3.19	0.40	0.09
17.55	3.06	0.35	0.12	20.15	3.19	0.41	0.09
17.60	3.06	0.36	0.12	20.20	3.20	0.41	0.09
17.65	3.06	0.36	0.12	20.25	3.20	0.41	0.09
17.70	3.07	0.36	0.12	20.30	3.20	0.41	0.09
17.75	3.07	0.36	0.11	20.35	3.20	0.41	0.09
17.80	3.07	0.36	0.11	20.40	3.20	0.41	0.09
17.85	3.08	0.36	0.11	20.45	3.21	0.41	0.09
17.90	3.08	0.36	0.11	20.50	3.21	0.41	0.09
17.95	3.08	0.36	0.11	20.55	3.21	0.41	0.09
18.00	3.08	0.36	0.11	20.60	3.21	0.41	0.09
18.05	3.09	0.37	0.11	20.65	3.22	0.41	0.09
18.10	3.09	0.37	0.11	20.70	3.22	0.42	0.09
18.15	3.09	0.37	0.11	20.75	3.22	0.42	0.09

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.42	0.09	23.40	3.33	0.46	0.07
20.85	3.23	0.42	0.09	23.45	3.33	0.46	0.07
20.90	3.23	0.42	0.09	23.50	3.33	0.46	0.07
20.95	3.23	0.42	0.09	23.55	3.33	0.46	0.07
21.00	3.23	0.42	0.09	23.60	3.34	0.46	0.07
21.05	3.23	0.42	0.09	23.65	3.34	0.46	0.07
21.10	3.24	0.42	0.09	23.70	3.34	0.46	0.07
21.15	3.24	0.42	0.09	23.75	3.34	0.46	0.07
21.20	3.24	0.42	0.09	23.80	3.34	0.47	0.07
21.25	3.24	0.43	0.08	23.85	3.34	0.47	0.07
21.30	3.24	0.43	0.08	23.90	3.35	0.47	0.07
21.35	3.25	0.43	0.08	23.95	3.35	0.47	0.07
21.40	3.25	0.43	0.08	24.00	**3.35**	**0.47**	0.07
21.45	3.25	0.43	0.08	24.05	3.35	0.47	0.07
21.50	3.25	0.43	0.08	24.10	3.35	0.47	0.07
21.55	3.26	0.43	0.08	24.15	3.35	0.47	0.07
21.60	3.26	0.43	0.08	24.20	3.35	0.47	0.07
21.65	3.26	0.43	0.08	24.25	3.35	0.47	0.07
21.70	3.26	0.43	0.08	24.30	3.35	0.47	0.06
21.75	3.26	0.43	0.08	24.35	3.35	0.47	0.06
21.80	3.27	0.43	0.08	24.40	3.35	0.47	0.05
21.85	3.27	0.44	0.08	24.45	3.35	0.47	0.05
21.90	3.27	0.44	0.08	24.50	3.35	0.47	0.04
21.95	3.27	0.44	0.08	24.55	3.35	0.47	0.03
22.00	3.27	0.44	0.08	24.60	3.35	0.47	0.03
22.05	3.28	0.44	0.08	24.65	3.35	0.47	0.02
22.10	3.28	0.44	0.08	24.70	3.35	0.47	0.02
22.15	3.28	0.44	0.08	24.75	3.35	0.47	0.02
22.20	3.28	0.44	0.08	24.80	3.35	0.47	0.01
22.25	3.28	0.44	0.08	24.85	3.35	0.47	0.01
22.30	3.29	0.44	0.08	24.90	3.35	0.47	0.01
22.35	3.29	0.44	0.08	24.95	3.35	0.47	0.01
22.40	3.29	0.44	0.08	25.00	3.35	0.47	0.01
22.45	3.29	0.44	0.08	25.05	3.35	0.47	0.00
22.50	3.29	0.45	0.08	25.10	3.35	0.47	0.00
22.55	3.30	0.45	0.08	25.15	3.35	0.47	0.00
22.60	3.30	0.45	0.08	25.20	3.35	0.47	0.00
22.65	3.30	0.45	0.08	25.25	3.35	0.47	0.00
22.70	3.30	0.45	0.08	25.30	3.35	0.47	0.00
22.75	3.30	0.45	0.08	25.35	3.35	0.47	0.00
22.80	3.31	0.45	0.08	25.40	3.35	0.47	0.00
22.85	3.31	0.45	0.08	25.45	3.35	0.47	0.00
22.90	3.31	0.45	0.08	25.50	3.35	0.47	0.00
22.95	3.31	0.45	0.08	25.55	3.35	0.47	0.00
23.00	3.31	0.45	0.08	25.60	3.35	0.47	0.00
23.05	3.32	0.45	0.08	25.65	3.35	0.47	0.00
23.10	3.32	0.45	0.08	25.70	3.35	0.47	0.00
23.15	3.32	0.46	0.08	25.75	3.35	0.47	0.00
23.20	3.32	0.46	0.07	25.80	3.35	0.47	0.00
23.25	3.32	0.46	0.07	25.85	3.35	0.47	0.00
23.30	3.32	0.46	0.07	25.90	3.35	0.47	0.00
23.35	3.33	0.46	0.07	25.95	3.35	0.47	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.47	0.00	28.60	3.35	0.47	0.00
26.05	3.35	0.47	0.00	28.65	3.35	0.47	0.00
26.10	3.35	0.47	0.00	28.70	3.35	0.47	0.00
26.15	3.35	0.47	0.00	28.75	3.35	0.47	0.00
26.20	3.35	0.47	0.00	28.80	3.35	0.47	0.00
26.25	3.35	0.47	0.00	28.85	3.35	0.47	0.00
26.30	3.35	0.47	0.00	28.90	3.35	0.47	0.00
26.35	3.35	0.47	0.00	28.95	3.35	0.47	0.00
26.40	3.35	0.47	0.00	29.00	3.35	0.47	0.00
26.45	3.35	0.47	0.00	29.05	3.35	0.47	0.00
26.50	3.35	0.47	0.00	29.10	3.35	0.47	0.00
26.55	3.35	0.47	0.00	29.15	3.35	0.47	0.00
26.60	3.35	0.47	0.00	29.20	3.35	0.47	0.00
26.65	3.35	0.47	0.00	29.25	3.35	0.47	0.00
26.70	3.35	0.47	0.00	29.30	3.35	0.47	0.00
26.75	3.35	0.47	0.00	29.35	3.35	0.47	0.00
26.80	3.35	0.47	0.00	29.40	3.35	0.47	0.00
26.85	3.35	0.47	0.00	29.45	3.35	0.47	0.00
26.90	3.35	0.47	0.00	29.50	3.35	0.47	0.00
26.95	3.35	0.47	0.00	29.55	3.35	0.47	0.00
27.00	3.35	0.47	0.00	29.60	3.35	0.47	0.00
27.05	3.35	0.47	0.00	29.65	3.35	0.47	0.00
27.10	3.35	0.47	0.00	29.70	3.35	0.47	0.00
27.15	3.35	0.47	0.00	29.75	3.35	0.47	0.00
27.20	3.35	0.47	0.00	29.80	3.35	0.47	0.00
27.25	3.35	0.47	0.00	29.85	3.35	0.47	0.00
27.30	3.35	0.47	0.00	29.90	3.35	0.47	0.00
27.35	3.35	0.47	0.00	29.95	3.35	0.47	0.00
27.40	3.35	0.47	0.00	30.00	3.35	0.47	0.00
27.45	3.35	0.47	0.00	30.05	3.35	0.47	0.00
27.50	3.35	0.47	0.00	30.10	3.35	0.47	0.00
27.55	3.35	0.47	0.00	30.15	3.35	0.47	0.00
27.60	3.35	0.47	0.00	30.20	3.35	0.47	0.00
27.65	3.35	0.47	0.00	30.25	3.35	0.47	0.00
27.70	3.35	0.47	0.00	30.30	3.35	0.47	0.00
27.75	3.35	0.47	0.00	30.35	3.35	0.47	0.00
27.80	3.35	0.47	0.00	30.40	3.35	0.47	0.00
27.85	3.35	0.47	0.00	30.45	3.35	0.47	0.00
27.90	3.35	0.47	0.00	30.50	3.35	0.47	0.00
27.95	3.35	0.47	0.00	30.55	3.35	0.47	0.00
28.00	3.35	0.47	0.00	30.60	3.35	0.47	0.00
28.05	3.35	0.47	0.00	30.65	3.35	0.47	0.00
28.10	3.35	0.47	0.00	30.70	3.35	0.47	0.00
28.15	3.35	0.47	0.00	30.75	3.35	0.47	0.00
28.20	3.35	0.47	0.00	30.80	3.35	0.47	0.00
28.25	3.35	0.47	0.00	30.85	3.35	0.47	0.00
28.30	3.35	0.47	0.00	30.90	3.35	0.47	0.00
28.35	3.35	0.47	0.00	30.95	3.35	0.47	0.00
28.40	3.35	0.47	0.00	31.00	3.35	0.47	0.00
28.45	3.35	0.47	0.00	31.05	3.35	0.47	0.00
28.50	3.35	0.47	0.00	31.10	3.35	0.47	0.00
28.55	3.35	0.47	0.00	31.15	3.35	0.47	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.47	0.00	33.80	3.35	0.47	0.00
31.25	3.35	0.47	0.00	33.85	3.35	0.47	0.00
31.30	3.35	0.47	0.00	33.90	3.35	0.47	0.00
31.35	3.35	0.47	0.00	33.95	3.35	0.47	0.00
31.40	3.35	0.47	0.00	34.00	3.35	0.47	0.00
31.45	3.35	0.47	0.00	34.05	3.35	0.47	0.00
31.50	3.35	0.47	0.00	34.10	3.35	0.47	0.00
31.55	3.35	0.47	0.00	34.15	3.35	0.47	0.00
31.60	3.35	0.47	0.00	34.20	3.35	0.47	0.00
31.65	3.35	0.47	0.00	34.25	3.35	0.47	0.00
31.70	3.35	0.47	0.00	34.30	3.35	0.47	0.00
31.75	3.35	0.47	0.00	34.35	3.35	0.47	0.00
31.80	3.35	0.47	0.00	34.40	3.35	0.47	0.00
31.85	3.35	0.47	0.00	34.45	3.35	0.47	0.00
31.90	3.35	0.47	0.00	34.50	3.35	0.47	0.00
31.95	3.35	0.47	0.00	34.55	3.35	0.47	0.00
32.00	3.35	0.47	0.00	34.60	3.35	0.47	0.00
32.05	3.35	0.47	0.00	34.65	3.35	0.47	0.00
32.10	3.35	0.47	0.00	34.70	3.35	0.47	0.00
32.15	3.35	0.47	0.00	34.75	3.35	0.47	0.00
32.20	3.35	0.47	0.00	34.80	3.35	0.47	0.00
32.25	3.35	0.47	0.00	34.85	3.35	0.47	0.00
32.30	3.35	0.47	0.00	34.90	3.35	0.47	0.00
32.35	3.35	0.47	0.00	34.95	3.35	0.47	0.00
32.40	3.35	0.47	0.00	35.00	3.35	0.47	0.00
32.45	3.35	0.47	0.00	35.05	3.35	0.47	0.00
32.50	3.35	0.47	0.00	35.10	3.35	0.47	0.00
32.55	3.35	0.47	0.00	35.15	3.35	0.47	0.00
32.60	3.35	0.47	0.00	35.20	3.35	0.47	0.00
32.65	3.35	0.47	0.00	35.25	3.35	0.47	0.00
32.70	3.35	0.47	0.00	35.30	3.35	0.47	0.00
32.75	3.35	0.47	0.00	35.35	3.35	0.47	0.00
32.80	3.35	0.47	0.00	35.40	3.35	0.47	0.00
32.85	3.35	0.47	0.00	35.45	3.35	0.47	0.00
32.90	3.35	0.47	0.00	35.50	3.35	0.47	0.00
32.95	3.35	0.47	0.00	35.55	3.35	0.47	0.00
33.00	3.35	0.47	0.00	35.60	3.35	0.47	0.00
33.05	3.35	0.47	0.00	35.65	3.35	0.47	0.00
33.10	3.35	0.47	0.00	35.70	3.35	0.47	0.00
33.15	3.35	0.47	0.00	35.75	3.35	0.47	0.00
33.20	3.35	0.47	0.00	35.80	3.35	0.47	0.00
33.25	3.35	0.47	0.00	35.85	3.35	0.47	0.00
33.30	3.35	0.47	0.00	35.90	3.35	0.47	0.00
33.35	3.35	0.47	0.00	35.95	3.35	0.47	0.00
33.40	3.35	0.47	0.00	36.00	3.35	0.47	0.00
33.45	3.35	0.47	0.00	36.05	3.35	0.47	0.00
33.50	3.35	0.47	0.00	36.10	3.35	0.47	0.00
33.55	3.35	0.47	0.00	36.15	3.35	0.47	0.00
33.60	3.35	0.47	0.00	36.20	3.35	0.47	0.00
33.65	3.35	0.47	0.00	36.25	3.35	0.47	0.00
33.70	3.35	0.47	0.00	36.30	3.35	0.47	0.00
33.75	3.35	0.47	0.00	36.35	3.35	0.47	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.47	0.00
36.45	3.35	0.47	0.00
36.50	3.35	0.47	0.00
36.55	3.35	0.47	0.00
36.60	3.35	0.47	0.00
36.65	3.35	0.47	0.00
36.70	3.35	0.47	0.00
36.75	3.35	0.47	0.00
36.80	3.35	0.47	0.00
36.85	3.35	0.47	0.00
36.90	3.35	0.47	0.00
36.95	3.35	0.47	0.00
37.00	3.35	0.47	0.00
37.05	3.35	0.47	0.00
37.10	3.35	0.47	0.00
37.15	3.35	0.47	0.00
37.20	3.35	0.47	0.00
37.25	3.35	0.47	0.00
37.30	3.35	0.47	0.00
37.35	3.35	0.47	0.00
37.40	3.35	0.47	0.00
37.45	3.35	0.47	0.00
37.50	3.35	0.47	0.00
37.55	3.35	0.47	0.00
37.60	3.35	0.47	0.00
37.65	3.35	0.47	0.00
37.70	3.35	0.47	0.00
37.75	3.35	0.47	0.00
37.80	3.35	0.47	0.00
37.85	3.35	0.47	0.00
37.90	3.35	0.47	0.00
37.95	3.35	0.47	0.00
38.00	3.35	0.47	0.00
38.05	3.35	0.47	0.00
38.10	3.35	0.47	0.00
38.15	3.35	0.47	0.00
38.20	3.35	0.47	0.00
38.25	3.35	0.47	0.00
38.30	3.35	0.47	0.00
38.35	3.35	0.47	0.00
38.40	3.35	0.47	0.00
38.45	3.35	0.47	0.00
38.50	3.35	0.47	0.00
38.55	3.35	0.47	0.00
38.60	3.35	0.47	0.00
38.65	3.35	0.47	0.00
38.70	3.35	0.47	0.00
38.75	3.35	0.47	0.00
38.80	3.35	0.47	0.00
38.85	3.35	0.47	0.00
38.90	3.35	0.47	0.00
38.95	3.35	0.47	0.00
39.00	3.35	0.47	0.00
39.05	3.35	0.47	0.00
39.10	3.35	0.47	0.00
39.15	3.35	0.47	0.00
39.20	3.35	0.47	0.00
39.25	3.35	0.47	0.00
39.30	3.35	0.47	0.00
39.35	3.35	0.47	0.00
39.40	3.35	0.47	0.00
39.45	3.35	0.47	0.00
39.50	3.35	0.47	0.00
39.55	3.35	0.47	0.00
39.60	3.35	0.47	0.00
39.65	3.35	0.47	0.00
39.70	3.35	0.47	0.00
39.75	3.35	0.47	0.00
39.80	3.35	0.47	0.00
39.85	3.35	0.47	0.00
39.90	3.35	0.47	0.00
39.95	3.35	0.47	0.00
40.00	3.35	0.47	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

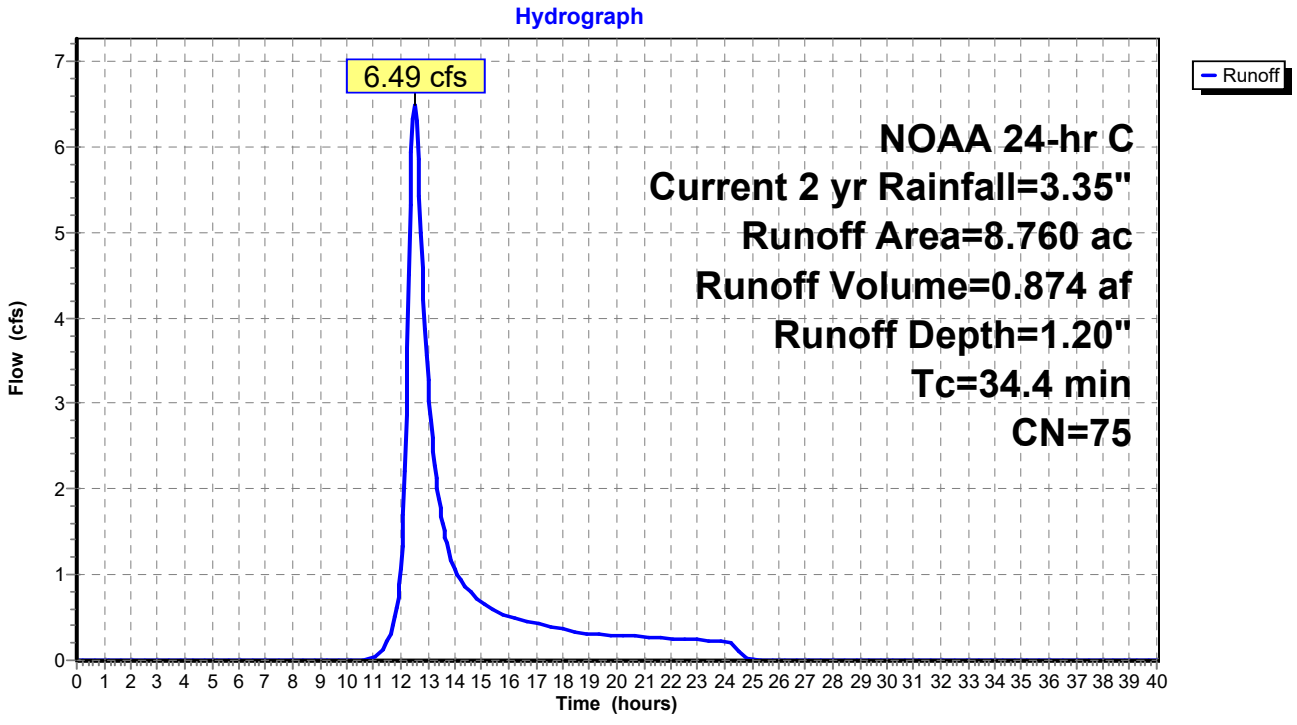
Runoff = 6.49 cfs @ 12.51 hrs, Volume= 0.874 af, Depth= 1.20"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.68	3.27
10.45	0.68	0.00	0.00	13.05	2.56	0.69	3.02
10.50	0.69	0.00	0.00	13.10	2.57	0.69	2.80
10.55	0.70	0.00	0.00	13.15	2.58	0.70	2.60
10.60	0.71	0.00	0.00	13.20	2.60	0.71	2.43
10.65	0.72	0.00	0.00	13.25	2.61	0.71	2.27
10.70	0.73	0.00	0.00	13.30	2.62	0.72	2.13
10.75	0.74	0.00	0.01	13.35	2.63	0.73	2.00
10.80	0.75	0.00	0.01	13.40	2.64	0.73	1.89
10.85	0.77	0.00	0.01	13.45	2.65	0.74	1.78
10.90	0.78	0.00	0.02	13.50	2.66	0.75	1.69
10.95	0.79	0.00	0.03	13.55	2.67	0.75	1.60
11.00	0.80	0.01	0.03	13.60	2.68	0.76	1.52
11.05	0.82	0.01	0.04	13.65	2.68	0.76	1.44
11.10	0.83	0.01	0.05	13.70	2.69	0.77	1.37
11.15	0.85	0.01	0.07	13.75	2.70	0.77	1.31
11.20	0.87	0.01	0.08	13.80	2.71	0.78	1.25
11.25	0.89	0.01	0.10	13.85	2.72	0.78	1.19
11.30	0.91	0.02	0.12	13.90	2.72	0.79	1.14
11.35	0.93	0.02	0.14	13.95	2.73	0.79	1.09
11.40	0.95	0.02	0.16	14.00	2.74	0.79	1.05
11.45	0.97	0.02	0.19	14.05	2.75	0.80	1.01
11.50	0.99	0.03	0.21	14.10	2.75	0.80	0.98
11.55	1.02	0.03	0.25	14.15	2.76	0.81	0.95
11.60	1.06	0.04	0.28	14.20	2.77	0.81	0.93
11.65	1.09	0.05	0.33	14.25	2.77	0.82	0.91
11.70	1.13	0.06	0.38	14.30	2.78	0.82	0.89
11.75	1.18	0.07	0.44	14.35	2.79	0.82	0.87
11.80	1.23	0.08	0.52	14.40	2.79	0.83	0.85
11.85	1.29	0.10	0.61	14.45	2.80	0.83	0.84
11.90	1.36	0.12	0.73	14.50	2.81	0.84	0.82
11.95	1.48	0.16	0.88	14.55	2.81	0.84	0.81
12.00	1.60	0.20	1.07	14.60	2.82	0.84	0.79
12.05	1.79	0.28	1.33	14.65	2.82	0.85	0.78
12.10	1.99	0.37	1.69	14.70	2.83	0.85	0.76
12.15	2.06	0.41	2.20	14.75	2.84	0.85	0.75
12.20	2.12	0.44	2.86	14.80	2.84	0.86	0.74
12.25	2.17	0.47	3.65	14.85	2.85	0.86	0.72
12.30	2.22	0.49	4.51	14.90	2.85	0.86	0.71
12.35	2.26	0.51	5.31	14.95	2.86	0.87	0.70
12.40	2.29	0.53	5.94	15.00	2.86	0.87	0.68
12.45	2.33	0.55	6.32	15.05	2.87	0.87	0.67
12.50	2.36	0.57	**6.48**	15.10	2.87	0.88	0.66
12.55	2.38	0.58	6.42	15.15	2.87	0.88	0.64
12.60	2.40	0.60	6.20	15.20	2.88	0.88	0.63
12.65	2.42	0.61	5.85	15.25	2.88	0.89	0.62
12.70	2.44	0.62	5.43	15.30	2.89	0.89	0.60
12.75	2.46	0.63	4.99	15.35	2.89	0.89	0.59
12.80	2.48	0.64	4.59	15.40	2.90	0.89	0.58
12.85	2.50	0.65	4.21	15.45	2.90	0.90	0.57
12.90	2.52	0.66	3.87	15.50	2.91	0.90	0.56
12.95	2.53	0.67	3.56	15.55	2.91	0.90	0.55

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.91	0.54	18.20	3.10	1.02	0.34
15.65	2.92	0.91	0.54	18.25	3.10	1.03	0.34
15.70	2.92	0.91	0.53	18.30	3.10	1.03	0.34
15.75	2.93	0.91	0.53	18.35	3.10	1.03	0.33
15.80	2.93	0.92	0.52	18.40	3.11	1.03	0.33
15.85	2.94	0.92	0.52	18.45	3.11	1.03	0.33
15.90	2.94	0.92	0.51	18.50	3.11	1.03	0.33
15.95	2.94	0.92	0.51	18.55	3.11	1.04	0.32
16.00	2.95	0.93	0.50	18.60	3.12	1.04	0.32
16.05	2.95	0.93	0.50	18.65	3.12	1.04	0.32
16.10	2.96	0.93	0.50	18.70	3.12	1.04	0.32
16.15	2.96	0.94	0.49	18.75	3.12	1.04	0.32
16.20	2.96	0.94	0.49	18.80	3.13	1.04	0.31
16.25	2.97	0.94	0.48	18.85	3.13	1.05	0.31
16.30	2.97	0.94	0.48	18.90	3.13	1.05	0.31
16.35	2.98	0.95	0.48	18.95	3.13	1.05	0.31
16.40	2.98	0.95	0.47	19.00	3.14	1.05	0.31
16.45	2.98	0.95	0.47	19.05	3.14	1.05	0.31
16.50	2.99	0.95	0.47	19.10	3.14	1.05	0.31
16.55	2.99	0.96	0.46	19.15	3.14	1.06	0.31
16.60	3.00	0.96	0.46	19.20	3.15	1.06	0.31
16.65	3.00	0.96	0.46	19.25	3.15	1.06	0.31
16.70	3.00	0.96	0.45	19.30	3.15	1.06	0.30
16.75	3.01	0.96	0.45	19.35	3.15	1.06	0.30
16.80	3.01	0.97	0.45	19.40	3.16	1.06	0.30
16.85	3.01	0.97	0.44	19.45	3.16	1.07	0.30
16.90	3.02	0.97	0.44	19.50	3.16	1.07	0.30
16.95	3.02	0.97	0.44	19.55	3.16	1.07	0.30
17.00	3.02	0.98	0.43	19.60	3.17	1.07	0.30
17.05	3.03	0.98	0.43	19.65	3.17	1.07	0.30
17.10	3.03	0.98	0.42	19.70	3.17	1.07	0.30
17.15	3.03	0.98	0.42	19.75	3.17	1.08	0.30
17.20	3.04	0.98	0.42	19.80	3.18	1.08	0.30
17.25	3.04	0.99	0.41	19.85	3.18	1.08	0.29
17.30	3.04	0.99	0.41	19.90	3.18	1.08	0.29
17.35	3.05	0.99	0.41	19.95	3.18	1.08	0.29
17.40	3.05	0.99	0.40	20.00	3.19	1.08	0.29
17.45	3.05	1.00	0.40	20.05	3.19	1.09	0.29
17.50	3.06	1.00	0.40	20.10	3.19	1.09	0.29
17.55	3.06	1.00	0.39	20.15	3.19	1.09	0.29
17.60	3.06	1.00	0.39	20.20	3.20	1.09	0.29
17.65	3.06	1.00	0.39	20.25	3.20	1.09	0.29
17.70	3.07	1.01	0.38	20.30	3.20	1.09	0.29
17.75	3.07	1.01	0.38	20.35	3.20	1.10	0.29
17.80	3.07	1.01	0.37	20.40	3.20	1.10	0.29
17.85	3.08	1.01	0.37	20.45	3.21	1.10	0.28
17.90	3.08	1.01	0.37	20.50	3.21	1.10	0.28
17.95	3.08	1.01	0.36	20.55	3.21	1.10	0.28
18.00	3.08	1.02	0.36	20.60	3.21	1.10	0.28
18.05	3.09	1.02	0.36	20.65	3.22	1.10	0.28
18.10	3.09	1.02	0.35	20.70	3.22	1.11	0.28
18.15	3.09	1.02	0.35	20.75	3.22	1.11	0.28

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.11	0.28	23.40	3.33	1.18	0.23
20.85	3.23	1.11	0.28	23.45	3.33	1.18	0.23
20.90	3.23	1.11	0.28	23.50	3.33	1.18	0.23
20.95	3.23	1.11	0.28	23.55	3.33	1.19	0.23
21.00	3.23	1.12	0.27	23.60	3.34	1.19	0.23
21.05	3.23	1.12	0.27	23.65	3.34	1.19	0.23
21.10	3.24	1.12	0.27	23.70	3.34	1.19	0.22
21.15	3.24	1.12	0.27	23.75	3.34	1.19	0.22
21.20	3.24	1.12	0.27	23.80	3.34	1.19	0.22
21.25	3.24	1.12	0.27	23.85	3.34	1.19	0.22
21.30	3.24	1.12	0.27	23.90	3.35	1.19	0.22
21.35	3.25	1.13	0.27	23.95	3.35	1.20	0.22
21.40	3.25	1.13	0.27	24.00	**3.35**	**1.20**	0.22
21.45	3.25	1.13	0.27	24.05	3.35	1.20	0.22
21.50	3.25	1.13	0.27	24.10	3.35	1.20	0.22
21.55	3.26	1.13	0.26	24.15	3.35	1.20	0.22
21.60	3.26	1.13	0.26	24.20	3.35	1.20	0.21
21.65	3.26	1.13	0.26	24.25	3.35	1.20	0.20
21.70	3.26	1.14	0.26	24.30	3.35	1.20	0.19
21.75	3.26	1.14	0.26	24.35	3.35	1.20	0.17
21.80	3.27	1.14	0.26	24.40	3.35	1.20	0.15
21.85	3.27	1.14	0.26	24.45	3.35	1.20	0.13
21.90	3.27	1.14	0.26	24.50	3.35	1.20	0.11
21.95	3.27	1.14	0.26	24.55	3.35	1.20	0.09
22.00	3.27	1.14	0.26	24.60	3.35	1.20	0.07
22.05	3.28	1.15	0.26	24.65	3.35	1.20	0.06
22.10	3.28	1.15	0.25	24.70	3.35	1.20	0.05
22.15	3.28	1.15	0.25	24.75	3.35	1.20	0.04
22.20	3.28	1.15	0.25	24.80	3.35	1.20	0.03
22.25	3.28	1.15	0.25	24.85	3.35	1.20	0.02
22.30	3.29	1.15	0.25	24.90	3.35	1.20	0.02
22.35	3.29	1.15	0.25	24.95	3.35	1.20	0.02
22.40	3.29	1.16	0.25	25.00	3.35	1.20	0.01
22.45	3.29	1.16	0.25	25.05	3.35	1.20	0.01
22.50	3.29	1.16	0.25	25.10	3.35	1.20	0.01
22.55	3.30	1.16	0.25	25.15	3.35	1.20	0.01
22.60	3.30	1.16	0.25	25.20	3.35	1.20	0.01
22.65	3.30	1.16	0.24	25.25	3.35	1.20	0.00
22.70	3.30	1.16	0.24	25.30	3.35	1.20	0.00
22.75	3.30	1.16	0.24	25.35	3.35	1.20	0.00
22.80	3.31	1.17	0.24	25.40	3.35	1.20	0.00
22.85	3.31	1.17	0.24	25.45	3.35	1.20	0.00
22.90	3.31	1.17	0.24	25.50	3.35	1.20	0.00
22.95	3.31	1.17	0.24	25.55	3.35	1.20	0.00
23.00	3.31	1.17	0.24	25.60	3.35	1.20	0.00
23.05	3.32	1.17	0.24	25.65	3.35	1.20	0.00
23.10	3.32	1.17	0.24	25.70	3.35	1.20	0.00
23.15	3.32	1.18	0.24	25.75	3.35	1.20	0.00
23.20	3.32	1.18	0.23	25.80	3.35	1.20	0.00
23.25	3.32	1.18	0.23	25.85	3.35	1.20	0.00
23.30	3.32	1.18	0.23	25.90	3.35	1.20	0.00
23.35	3.33	1.18	0.23	25.95	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.20	0.00	28.60	3.35	1.20	0.00
26.05	3.35	1.20	0.00	28.65	3.35	1.20	0.00
26.10	3.35	1.20	0.00	28.70	3.35	1.20	0.00
26.15	3.35	1.20	0.00	28.75	3.35	1.20	0.00
26.20	3.35	1.20	0.00	28.80	3.35	1.20	0.00
26.25	3.35	1.20	0.00	28.85	3.35	1.20	0.00
26.30	3.35	1.20	0.00	28.90	3.35	1.20	0.00
26.35	3.35	1.20	0.00	28.95	3.35	1.20	0.00
26.40	3.35	1.20	0.00	29.00	3.35	1.20	0.00
26.45	3.35	1.20	0.00	29.05	3.35	1.20	0.00
26.50	3.35	1.20	0.00	29.10	3.35	1.20	0.00
26.55	3.35	1.20	0.00	29.15	3.35	1.20	0.00
26.60	3.35	1.20	0.00	29.20	3.35	1.20	0.00
26.65	3.35	1.20	0.00	29.25	3.35	1.20	0.00
26.70	3.35	1.20	0.00	29.30	3.35	1.20	0.00
26.75	3.35	1.20	0.00	29.35	3.35	1.20	0.00
26.80	3.35	1.20	0.00	29.40	3.35	1.20	0.00
26.85	3.35	1.20	0.00	29.45	3.35	1.20	0.00
26.90	3.35	1.20	0.00	29.50	3.35	1.20	0.00
26.95	3.35	1.20	0.00	29.55	3.35	1.20	0.00
27.00	3.35	1.20	0.00	29.60	3.35	1.20	0.00
27.05	3.35	1.20	0.00	29.65	3.35	1.20	0.00
27.10	3.35	1.20	0.00	29.70	3.35	1.20	0.00
27.15	3.35	1.20	0.00	29.75	3.35	1.20	0.00
27.20	3.35	1.20	0.00	29.80	3.35	1.20	0.00
27.25	3.35	1.20	0.00	29.85	3.35	1.20	0.00
27.30	3.35	1.20	0.00	29.90	3.35	1.20	0.00
27.35	3.35	1.20	0.00	29.95	3.35	1.20	0.00
27.40	3.35	1.20	0.00	30.00	3.35	1.20	0.00
27.45	3.35	1.20	0.00	30.05	3.35	1.20	0.00
27.50	3.35	1.20	0.00	30.10	3.35	1.20	0.00
27.55	3.35	1.20	0.00	30.15	3.35	1.20	0.00
27.60	3.35	1.20	0.00	30.20	3.35	1.20	0.00
27.65	3.35	1.20	0.00	30.25	3.35	1.20	0.00
27.70	3.35	1.20	0.00	30.30	3.35	1.20	0.00
27.75	3.35	1.20	0.00	30.35	3.35	1.20	0.00
27.80	3.35	1.20	0.00	30.40	3.35	1.20	0.00
27.85	3.35	1.20	0.00	30.45	3.35	1.20	0.00
27.90	3.35	1.20	0.00	30.50	3.35	1.20	0.00
27.95	3.35	1.20	0.00	30.55	3.35	1.20	0.00
28.00	3.35	1.20	0.00	30.60	3.35	1.20	0.00
28.05	3.35	1.20	0.00	30.65	3.35	1.20	0.00
28.10	3.35	1.20	0.00	30.70	3.35	1.20	0.00
28.15	3.35	1.20	0.00	30.75	3.35	1.20	0.00
28.20	3.35	1.20	0.00	30.80	3.35	1.20	0.00
28.25	3.35	1.20	0.00	30.85	3.35	1.20	0.00
28.30	3.35	1.20	0.00	30.90	3.35	1.20	0.00
28.35	3.35	1.20	0.00	30.95	3.35	1.20	0.00
28.40	3.35	1.20	0.00	31.00	3.35	1.20	0.00
28.45	3.35	1.20	0.00	31.05	3.35	1.20	0.00
28.50	3.35	1.20	0.00	31.10	3.35	1.20	0.00
28.55	3.35	1.20	0.00	31.15	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.20	0.00	33.80	3.35	1.20	0.00
31.25	3.35	1.20	0.00	33.85	3.35	1.20	0.00
31.30	3.35	1.20	0.00	33.90	3.35	1.20	0.00
31.35	3.35	1.20	0.00	33.95	3.35	1.20	0.00
31.40	3.35	1.20	0.00	34.00	3.35	1.20	0.00
31.45	3.35	1.20	0.00	34.05	3.35	1.20	0.00
31.50	3.35	1.20	0.00	34.10	3.35	1.20	0.00
31.55	3.35	1.20	0.00	34.15	3.35	1.20	0.00
31.60	3.35	1.20	0.00	34.20	3.35	1.20	0.00
31.65	3.35	1.20	0.00	34.25	3.35	1.20	0.00
31.70	3.35	1.20	0.00	34.30	3.35	1.20	0.00
31.75	3.35	1.20	0.00	34.35	3.35	1.20	0.00
31.80	3.35	1.20	0.00	34.40	3.35	1.20	0.00
31.85	3.35	1.20	0.00	34.45	3.35	1.20	0.00
31.90	3.35	1.20	0.00	34.50	3.35	1.20	0.00
31.95	3.35	1.20	0.00	34.55	3.35	1.20	0.00
32.00	3.35	1.20	0.00	34.60	3.35	1.20	0.00
32.05	3.35	1.20	0.00	34.65	3.35	1.20	0.00
32.10	3.35	1.20	0.00	34.70	3.35	1.20	0.00
32.15	3.35	1.20	0.00	34.75	3.35	1.20	0.00
32.20	3.35	1.20	0.00	34.80	3.35	1.20	0.00
32.25	3.35	1.20	0.00	34.85	3.35	1.20	0.00
32.30	3.35	1.20	0.00	34.90	3.35	1.20	0.00
32.35	3.35	1.20	0.00	34.95	3.35	1.20	0.00
32.40	3.35	1.20	0.00	35.00	3.35	1.20	0.00
32.45	3.35	1.20	0.00	35.05	3.35	1.20	0.00
32.50	3.35	1.20	0.00	35.10	3.35	1.20	0.00
32.55	3.35	1.20	0.00	35.15	3.35	1.20	0.00
32.60	3.35	1.20	0.00	35.20	3.35	1.20	0.00
32.65	3.35	1.20	0.00	35.25	3.35	1.20	0.00
32.70	3.35	1.20	0.00	35.30	3.35	1.20	0.00
32.75	3.35	1.20	0.00	35.35	3.35	1.20	0.00
32.80	3.35	1.20	0.00	35.40	3.35	1.20	0.00
32.85	3.35	1.20	0.00	35.45	3.35	1.20	0.00
32.90	3.35	1.20	0.00	35.50	3.35	1.20	0.00
32.95	3.35	1.20	0.00	35.55	3.35	1.20	0.00
33.00	3.35	1.20	0.00	35.60	3.35	1.20	0.00
33.05	3.35	1.20	0.00	35.65	3.35	1.20	0.00
33.10	3.35	1.20	0.00	35.70	3.35	1.20	0.00
33.15	3.35	1.20	0.00	35.75	3.35	1.20	0.00
33.20	3.35	1.20	0.00	35.80	3.35	1.20	0.00
33.25	3.35	1.20	0.00	35.85	3.35	1.20	0.00
33.30	3.35	1.20	0.00	35.90	3.35	1.20	0.00
33.35	3.35	1.20	0.00	35.95	3.35	1.20	0.00
33.40	3.35	1.20	0.00	36.00	3.35	1.20	0.00
33.45	3.35	1.20	0.00	36.05	3.35	1.20	0.00
33.50	3.35	1.20	0.00	36.10	3.35	1.20	0.00
33.55	3.35	1.20	0.00	36.15	3.35	1.20	0.00
33.60	3.35	1.20	0.00	36.20	3.35	1.20	0.00
33.65	3.35	1.20	0.00	36.25	3.35	1.20	0.00
33.70	3.35	1.20	0.00	36.30	3.35	1.20	0.00
33.75	3.35	1.20	0.00	36.35	3.35	1.20	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.20	0.00
36.45	3.35	1.20	0.00
36.50	3.35	1.20	0.00
36.55	3.35	1.20	0.00
36.60	3.35	1.20	0.00
36.65	3.35	1.20	0.00
36.70	3.35	1.20	0.00
36.75	3.35	1.20	0.00
36.80	3.35	1.20	0.00
36.85	3.35	1.20	0.00
36.90	3.35	1.20	0.00
36.95	3.35	1.20	0.00
37.00	3.35	1.20	0.00
37.05	3.35	1.20	0.00
37.10	3.35	1.20	0.00
37.15	3.35	1.20	0.00
37.20	3.35	1.20	0.00
37.25	3.35	1.20	0.00
37.30	3.35	1.20	0.00
37.35	3.35	1.20	0.00
37.40	3.35	1.20	0.00
37.45	3.35	1.20	0.00
37.50	3.35	1.20	0.00
37.55	3.35	1.20	0.00
37.60	3.35	1.20	0.00
37.65	3.35	1.20	0.00
37.70	3.35	1.20	0.00
37.75	3.35	1.20	0.00
37.80	3.35	1.20	0.00
37.85	3.35	1.20	0.00
37.90	3.35	1.20	0.00
37.95	3.35	1.20	0.00
38.00	3.35	1.20	0.00
38.05	3.35	1.20	0.00
38.10	3.35	1.20	0.00
38.15	3.35	1.20	0.00
38.20	3.35	1.20	0.00
38.25	3.35	1.20	0.00
38.30	3.35	1.20	0.00
38.35	3.35	1.20	0.00
38.40	3.35	1.20	0.00
38.45	3.35	1.20	0.00
38.50	3.35	1.20	0.00
38.55	3.35	1.20	0.00
38.60	3.35	1.20	0.00
38.65	3.35	1.20	0.00
38.70	3.35	1.20	0.00
38.75	3.35	1.20	0.00
38.80	3.35	1.20	0.00
38.85	3.35	1.20	0.00
38.90	3.35	1.20	0.00
38.95	3.35	1.20	0.00
39.00	3.35	1.20	0.00
39.05	3.35	1.20	0.00
39.10	3.35	1.20	0.00
39.15	3.35	1.20	0.00
39.20	3.35	1.20	0.00
39.25	3.35	1.20	0.00
39.30	3.35	1.20	0.00
39.35	3.35	1.20	0.00
39.40	3.35	1.20	0.00
39.45	3.35	1.20	0.00
39.50	3.35	1.20	0.00
39.55	3.35	1.20	0.00
39.60	3.35	1.20	0.00
39.65	3.35	1.20	0.00
39.70	3.35	1.20	0.00
39.75	3.35	1.20	0.00
39.80	3.35	1.20	0.00
39.85	3.35	1.20	0.00
39.90	3.35	1.20	0.00
39.95	3.35	1.20	0.00
40.00	3.35	1.20	0.00

Summary for Subcatchment X-6l: XDA-6 (offsite impervious)

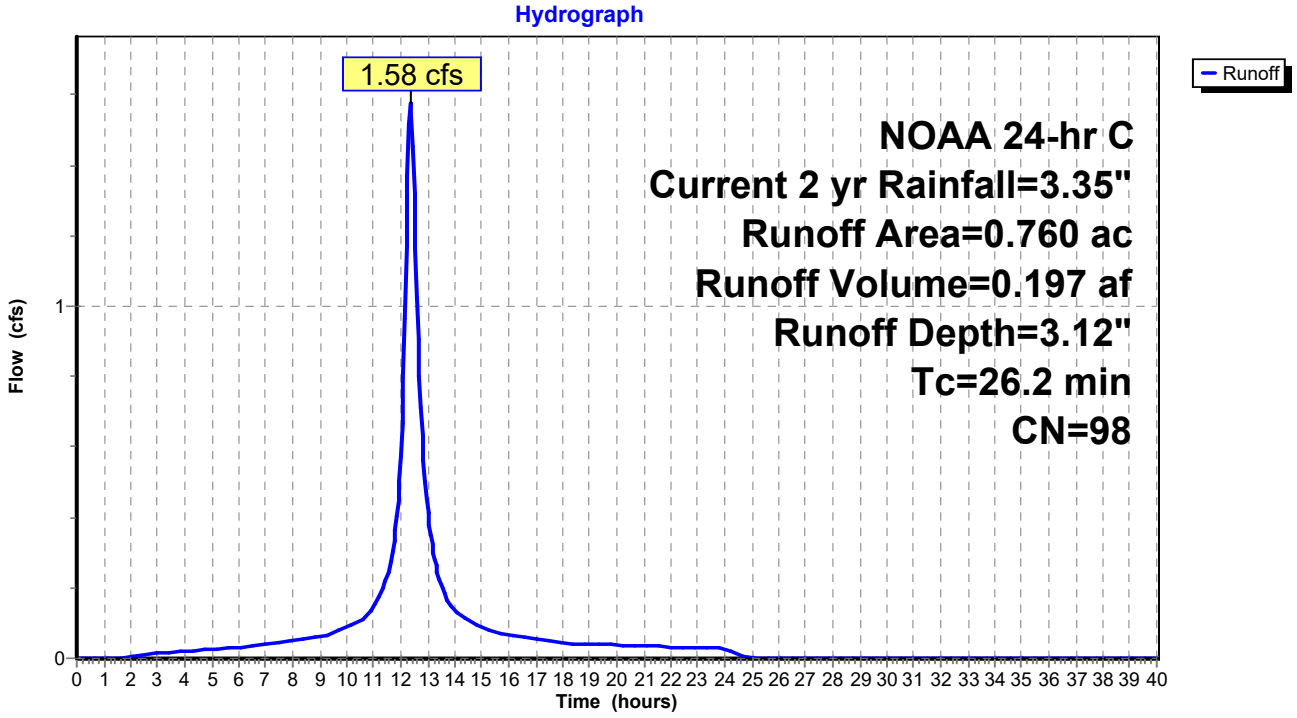
Runoff = 1.58 cfs @ 12.36 hrs, Volume= 0.197 af, Depth= 3.12"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6l: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.00	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.00	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.05
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.05
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.05
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.05
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.05
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.06
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.06
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.06
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.06
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.07
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.07
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.07
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.07
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.07
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.08
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.08
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.08
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.08
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.08
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.09
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.09
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.09
7.45	0.36	0.19	0.04	10.05	0.62	0.43	0.09
7.50	0.36	0.20	0.04	10.10	0.63	0.43	0.09
7.55	0.37	0.20	0.04	10.15	0.63	0.44	0.09
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.10
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.10
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.10
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.10

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.10	13.00	2.55	2.32	0.41
10.45	0.68	0.49	0.11	13.05	2.56	2.33	0.38
10.50	0.69	0.49	0.11	13.10	2.57	2.34	0.35
10.55	0.70	0.50	0.11	13.15	2.58	2.36	0.32
10.60	0.71	0.51	0.11	13.20	2.60	2.37	0.30
10.65	0.72	0.52	0.11	13.25	2.61	2.38	0.28
10.70	0.73	0.53	0.12	13.30	2.62	2.39	0.26
10.75	0.74	0.54	0.12	13.35	2.63	2.40	0.25
10.80	0.75	0.55	0.12	13.40	2.64	2.41	0.23
10.85	0.77	0.57	0.13	13.45	2.65	2.42	0.22
10.90	0.78	0.58	0.13	13.50	2.66	2.43	0.21
10.95	0.79	0.59	0.14	13.55	2.67	2.44	0.20
11.00	0.80	0.60	0.15	13.60	2.68	2.45	0.19
11.05	0.82	0.62	0.15	13.65	2.68	2.45	0.18
11.10	0.83	0.63	0.16	13.70	2.69	2.46	0.17
11.15	0.85	0.65	0.17	13.75	2.70	2.47	0.16
11.20	0.87	0.66	0.17	13.80	2.71	2.48	0.15
11.25	0.89	0.68	0.18	13.85	2.72	2.49	0.15
11.30	0.91	0.70	0.19	13.90	2.72	2.49	0.14
11.35	0.93	0.72	0.20	13.95	2.73	2.50	0.14
11.40	0.95	0.74	0.21	14.00	2.74	2.51	0.13
11.45	0.97	0.76	0.23	14.05	2.75	2.52	0.13
11.50	0.99	0.78	0.24	14.10	2.75	2.52	0.13
11.55	1.02	0.81	0.25	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.26	14.20	2.77	2.54	0.12
11.65	1.09	0.88	0.28	14.25	2.77	2.54	0.12
11.70	1.13	0.92	0.30	14.30	2.78	2.55	0.12
11.75	1.18	0.96	0.33	14.35	2.79	2.56	0.11
11.80	1.23	1.01	0.36	14.40	2.79	2.56	0.11
11.85	1.29	1.08	0.40	14.45	2.80	2.57	0.11
11.90	1.36	1.14	0.45	14.50	2.81	2.58	0.11
11.95	1.48	1.26	0.50	14.55	2.81	2.58	0.11
12.00	1.60	1.38	0.57	14.60	2.82	2.59	0.10
12.05	1.79	1.57	0.67	14.65	2.82	2.59	0.10
12.10	1.99	1.76	0.80	14.70	2.83	2.60	0.10
12.15	2.06	1.83	0.97	14.75	2.84	2.60	0.10
12.20	2.12	1.90	1.17	14.80	2.84	2.61	0.10
12.25	2.17	1.95	1.37	14.85	2.85	2.61	0.09
12.30	2.22	1.99	1.52	14.90	2.85	2.62	0.09
12.35	2.26	2.03	**1.58**	14.95	2.86	2.62	0.09
12.40	2.29	2.06	1.55	15.00	2.86	2.63	0.09
12.45	2.33	2.10	1.45	15.05	2.87	2.63	0.09
12.50	2.36	2.13	1.32	15.10	2.87	2.64	0.09
12.55	2.38	2.15	1.17	15.15	2.87	2.64	0.08
12.60	2.40	2.18	1.02	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.90	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.80	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.71	15.35	2.89	2.66	0.08
12.80	2.48	2.25	0.63	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.56	15.45	2.90	2.67	0.07
12.90	2.52	2.29	0.50	15.50	2.91	2.68	0.07
12.95	2.53	2.30	0.45	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.03
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.03
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.03
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.03
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.02
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.02
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.02
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.01
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.01
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.01
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.01
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

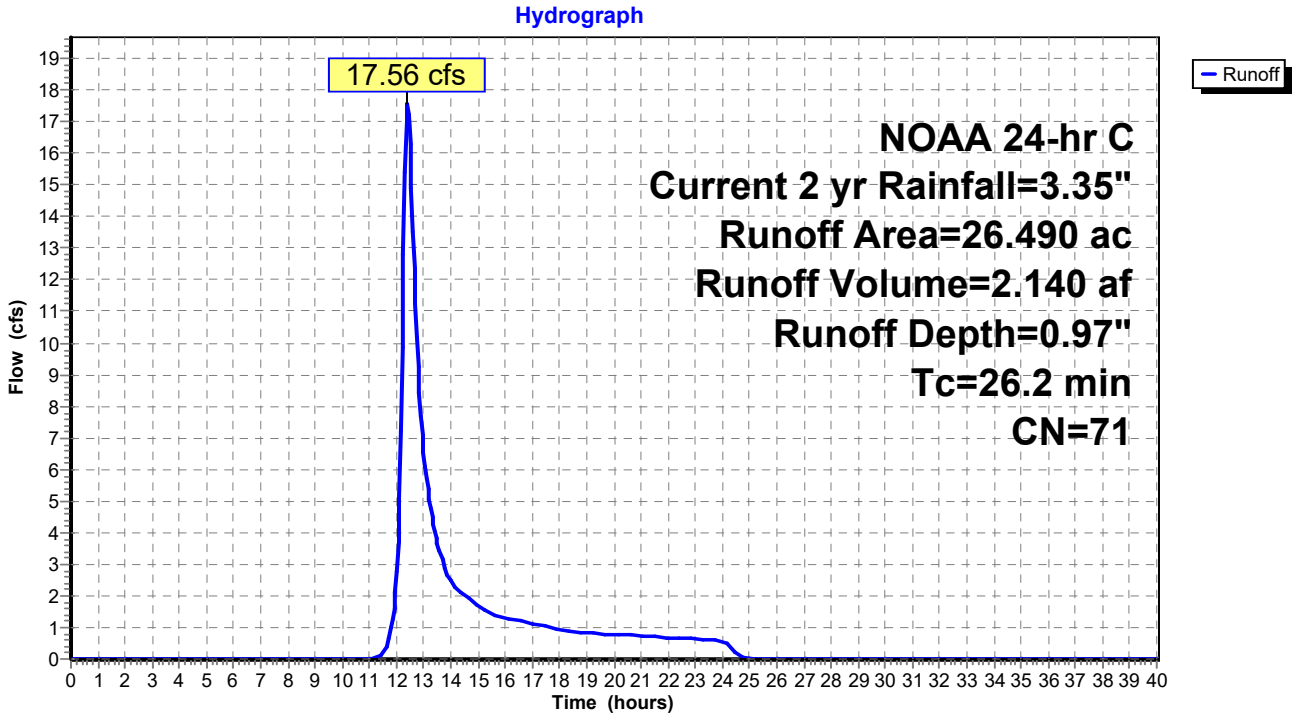
Runoff = 17.56 cfs @ 12.41 hrs, Volume= 2.140 af, Depth= 0.97"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.51	6.54
10.45	0.68	0.00	0.00	13.05	2.56	0.52	6.09
10.50	0.69	0.00	0.00	13.10	2.57	0.53	5.70
10.55	0.70	0.00	0.00	13.15	2.58	0.53	5.36
10.60	0.71	0.00	0.00	13.20	2.60	0.54	5.04
10.65	0.72	0.00	0.00	13.25	2.61	0.55	4.76
10.70	0.73	0.00	0.00	13.30	2.62	0.55	4.50
10.75	0.74	0.00	0.00	13.35	2.63	0.56	4.26
10.80	0.75	0.00	0.00	13.40	2.64	0.56	4.04
10.85	0.77	0.00	0.00	13.45	2.65	0.57	3.84
10.90	0.78	0.00	0.00	13.50	2.66	0.57	3.66
10.95	0.79	0.00	0.00	13.55	2.67	0.58	3.50
11.00	0.80	0.00	0.00	13.60	2.68	0.58	3.34
11.05	0.82	0.00	0.00	13.65	2.68	0.59	3.20
11.10	0.83	0.00	0.00	13.70	2.69	0.59	3.06
11.15	0.85	0.00	0.00	13.75	2.70	0.59	2.93
11.20	0.87	0.00	0.00	13.80	2.71	0.60	2.81
11.25	0.89	0.00	0.01	13.85	2.72	0.60	2.71
11.30	0.91	0.00	0.02	13.90	2.72	0.61	2.61
11.35	0.93	0.00	0.04	13.95	2.73	0.61	2.53
11.40	0.95	0.00	0.07	14.00	2.74	0.62	2.47
11.45	0.97	0.01	0.11	14.05	2.75	0.62	2.41
11.50	0.99	0.01	0.17	14.10	2.75	0.62	2.36
11.55	1.02	0.01	0.24	14.15	2.76	0.63	2.31
11.60	1.06	0.01	0.33	14.20	2.77	0.63	2.27
11.65	1.09	0.02	0.44	14.25	2.77	0.63	2.23
11.70	1.13	0.02	0.58	14.30	2.78	0.64	2.19
11.75	1.18	0.03	0.75	14.35	2.79	0.64	2.15
11.80	1.23	0.04	0.98	14.40	2.79	0.64	2.12
11.85	1.29	0.05	1.26	14.45	2.80	0.65	2.08
11.90	1.36	0.06	1.61	14.50	2.81	0.65	2.05
11.95	1.48	0.09	2.09	14.55	2.81	0.65	2.02
12.00	1.60	0.12	2.75	14.60	2.82	0.66	1.98
12.05	1.79	0.19	3.69	14.65	2.82	0.66	1.95
12.10	1.99	0.26	5.11	14.70	2.83	0.66	1.92
12.15	2.06	0.29	7.18	14.75	2.84	0.67	1.88
12.20	2.12	0.32	9.86	14.80	2.84	0.67	1.85
12.25	2.17	0.34	12.80	14.85	2.85	0.67	1.81
12.30	2.22	0.36	15.39	14.90	2.85	0.68	1.78
12.35	2.26	0.38	17.00	14.95	2.86	0.68	1.75
12.40	2.29	0.39	**17.55**	15.00	2.86	0.68	1.71
12.45	2.33	0.41	17.24	15.05	2.87	0.68	1.68
12.50	2.36	0.42	16.26	15.10	2.87	0.69	1.64
12.55	2.38	0.43	14.93	15.15	2.87	0.69	1.61
12.60	2.40	0.44	13.54	15.20	2.88	0.69	1.57
12.65	2.42	0.45	12.33	15.25	2.88	0.69	1.54
12.70	2.44	0.46	11.23	15.30	2.89	0.70	1.51
12.75	2.46	0.47	10.21	15.35	2.89	0.70	1.48
12.80	2.48	0.48	9.26	15.40	2.90	0.70	1.46
12.85	2.50	0.49	8.43	15.45	2.90	0.70	1.44
12.90	2.52	0.50	7.70	15.50	2.91	0.71	1.42
12.95	2.53	0.51	7.07	15.55	2.91	0.71	1.40

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.71	1.39	18.20	3.10	0.82	0.90
15.65	2.92	0.71	1.38	18.25	3.10	0.82	0.89
15.70	2.92	0.72	1.36	18.30	3.10	0.82	0.88
15.75	2.93	0.72	1.35	18.35	3.10	0.82	0.87
15.80	2.93	0.72	1.34	18.40	3.11	0.82	0.86
15.85	2.94	0.72	1.33	18.45	3.11	0.82	0.86
15.90	2.94	0.73	1.32	18.50	3.11	0.83	0.85
15.95	2.94	0.73	1.31	18.55	3.11	0.83	0.85
16.00	2.95	0.73	1.30	18.60	3.12	0.83	0.84
16.05	2.95	0.73	1.30	18.65	3.12	0.83	0.84
16.10	2.96	0.74	1.29	18.70	3.12	0.83	0.84
16.15	2.96	0.74	1.28	18.75	3.12	0.83	0.83
16.20	2.96	0.74	1.27	18.80	3.13	0.83	0.83
16.25	2.97	0.74	1.26	18.85	3.13	0.84	0.83
16.30	2.97	0.74	1.25	18.90	3.13	0.84	0.83
16.35	2.98	0.75	1.24	18.95	3.13	0.84	0.82
16.40	2.98	0.75	1.23	19.00	3.14	0.84	0.82
16.45	2.98	0.75	1.23	19.05	3.14	0.84	0.82
16.50	2.99	0.75	1.22	19.10	3.14	0.84	0.82
16.55	2.99	0.76	1.21	19.15	3.14	0.84	0.82
16.60	3.00	0.76	1.20	19.20	3.15	0.85	0.81
16.65	3.00	0.76	1.19	19.25	3.15	0.85	0.81
16.70	3.00	0.76	1.18	19.30	3.15	0.85	0.81
16.75	3.01	0.76	1.17	19.35	3.15	0.85	0.81
16.80	3.01	0.77	1.16	19.40	3.16	0.85	0.80
16.85	3.01	0.77	1.15	19.45	3.16	0.85	0.80
16.90	3.02	0.77	1.14	19.50	3.16	0.86	0.80
16.95	3.02	0.77	1.13	19.55	3.16	0.86	0.80
17.00	3.02	0.77	1.12	19.60	3.17	0.86	0.80
17.05	3.03	0.78	1.12	19.65	3.17	0.86	0.79
17.10	3.03	0.78	1.11	19.70	3.17	0.86	0.79
17.15	3.03	0.78	1.10	19.75	3.17	0.86	0.79
17.20	3.04	0.78	1.09	19.80	3.18	0.86	0.79
17.25	3.04	0.78	1.08	19.85	3.18	0.87	0.78
17.30	3.04	0.79	1.07	19.90	3.18	0.87	0.78
17.35	3.05	0.79	1.06	19.95	3.18	0.87	0.78
17.40	3.05	0.79	1.05	20.00	3.19	0.87	0.78
17.45	3.05	0.79	1.04	20.05	3.19	0.87	0.78
17.50	3.06	0.79	1.03	20.10	3.19	0.87	0.77
17.55	3.06	0.79	1.02	20.15	3.19	0.87	0.77
17.60	3.06	0.80	1.01	20.20	3.20	0.88	0.77
17.65	3.06	0.80	1.00	20.25	3.20	0.88	0.77
17.70	3.07	0.80	0.99	20.30	3.20	0.88	0.76
17.75	3.07	0.80	0.98	20.35	3.20	0.88	0.76
17.80	3.07	0.80	0.97	20.40	3.20	0.88	0.76
17.85	3.08	0.80	0.96	20.45	3.21	0.88	0.76
17.90	3.08	0.81	0.95	20.50	3.21	0.88	0.75
17.95	3.08	0.81	0.95	20.55	3.21	0.89	0.75
18.00	3.08	0.81	0.94	20.60	3.21	0.89	0.75
18.05	3.09	0.81	0.93	20.65	3.22	0.89	0.75
18.10	3.09	0.81	0.92	20.70	3.22	0.89	0.75
18.15	3.09	0.81	0.91	20.75	3.22	0.89	0.74

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.89	0.74	23.40	3.33	0.96	0.61
20.85	3.23	0.89	0.74	23.45	3.33	0.96	0.61
20.90	3.23	0.89	0.74	23.50	3.33	0.96	0.61
20.95	3.23	0.90	0.73	23.55	3.33	0.96	0.61
21.00	3.23	0.90	0.73	23.60	3.34	0.96	0.61
21.05	3.23	0.90	0.73	23.65	3.34	0.96	0.60
21.10	3.24	0.90	0.73	23.70	3.34	0.96	0.60
21.15	3.24	0.90	0.72	23.75	3.34	0.96	0.60
21.20	3.24	0.90	0.72	23.80	3.34	0.96	0.59
21.25	3.24	0.90	0.72	23.85	3.34	0.97	0.59
21.30	3.24	0.91	0.72	23.90	3.35	0.97	0.59
21.35	3.25	0.91	0.71	23.95	3.35	0.97	0.59
21.40	3.25	0.91	0.71	24.00	**3.35**	**0.97**	0.59
21.45	3.25	0.91	0.71	24.05	3.35	0.97	0.59
21.50	3.25	0.91	0.71	24.10	3.35	0.97	0.59
21.55	3.26	0.91	0.71	24.15	3.35	0.97	0.58
21.60	3.26	0.91	0.70	24.20	3.35	0.97	0.55
21.65	3.26	0.91	0.70	24.25	3.35	0.97	0.49
21.70	3.26	0.92	0.70	24.30	3.35	0.97	0.42
21.75	3.26	0.92	0.70	24.35	3.35	0.97	0.35
21.80	3.27	0.92	0.69	24.40	3.35	0.97	0.27
21.85	3.27	0.92	0.69	24.45	3.35	0.97	0.21
21.90	3.27	0.92	0.69	24.50	3.35	0.97	0.15
21.95	3.27	0.92	0.69	24.55	3.35	0.97	0.12
22.00	3.27	0.92	0.68	24.60	3.35	0.97	0.09
22.05	3.28	0.92	0.68	24.65	3.35	0.97	0.07
22.10	3.28	0.93	0.68	24.70	3.35	0.97	0.05
22.15	3.28	0.93	0.68	24.75	3.35	0.97	0.04
22.20	3.28	0.93	0.67	24.80	3.35	0.97	0.03
22.25	3.28	0.93	0.67	24.85	3.35	0.97	0.02
22.30	3.29	0.93	0.67	24.90	3.35	0.97	0.02
22.35	3.29	0.93	0.67	24.95	3.35	0.97	0.01
22.40	3.29	0.93	0.67	25.00	3.35	0.97	0.01
22.45	3.29	0.93	0.66	25.05	3.35	0.97	0.01
22.50	3.29	0.94	0.66	25.10	3.35	0.97	0.00
22.55	3.30	0.94	0.66	25.15	3.35	0.97	0.00
22.60	3.30	0.94	0.65	25.20	3.35	0.97	0.00
22.65	3.30	0.94	0.65	25.25	3.35	0.97	0.00
22.70	3.30	0.94	0.65	25.30	3.35	0.97	0.00
22.75	3.30	0.94	0.65	25.35	3.35	0.97	0.00
22.80	3.31	0.94	0.65	25.40	3.35	0.97	0.00
22.85	3.31	0.94	0.64	25.45	3.35	0.97	0.00
22.90	3.31	0.94	0.64	25.50	3.35	0.97	0.00
22.95	3.31	0.95	0.64	25.55	3.35	0.97	0.00
23.00	3.31	0.95	0.63	25.60	3.35	0.97	0.00
23.05	3.32	0.95	0.63	25.65	3.35	0.97	0.00
23.10	3.32	0.95	0.63	25.70	3.35	0.97	0.00
23.15	3.32	0.95	0.63	25.75	3.35	0.97	0.00
23.20	3.32	0.95	0.63	25.80	3.35	0.97	0.00
23.25	3.32	0.95	0.62	25.85	3.35	0.97	0.00
23.30	3.32	0.95	0.62	25.90	3.35	0.97	0.00
23.35	3.33	0.95	0.62	25.95	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.97	0.00	28.60	3.35	0.97	0.00
26.05	3.35	0.97	0.00	28.65	3.35	0.97	0.00
26.10	3.35	0.97	0.00	28.70	3.35	0.97	0.00
26.15	3.35	0.97	0.00	28.75	3.35	0.97	0.00
26.20	3.35	0.97	0.00	28.80	3.35	0.97	0.00
26.25	3.35	0.97	0.00	28.85	3.35	0.97	0.00
26.30	3.35	0.97	0.00	28.90	3.35	0.97	0.00
26.35	3.35	0.97	0.00	28.95	3.35	0.97	0.00
26.40	3.35	0.97	0.00	29.00	3.35	0.97	0.00
26.45	3.35	0.97	0.00	29.05	3.35	0.97	0.00
26.50	3.35	0.97	0.00	29.10	3.35	0.97	0.00
26.55	3.35	0.97	0.00	29.15	3.35	0.97	0.00
26.60	3.35	0.97	0.00	29.20	3.35	0.97	0.00
26.65	3.35	0.97	0.00	29.25	3.35	0.97	0.00
26.70	3.35	0.97	0.00	29.30	3.35	0.97	0.00
26.75	3.35	0.97	0.00	29.35	3.35	0.97	0.00
26.80	3.35	0.97	0.00	29.40	3.35	0.97	0.00
26.85	3.35	0.97	0.00	29.45	3.35	0.97	0.00
26.90	3.35	0.97	0.00	29.50	3.35	0.97	0.00
26.95	3.35	0.97	0.00	29.55	3.35	0.97	0.00
27.00	3.35	0.97	0.00	29.60	3.35	0.97	0.00
27.05	3.35	0.97	0.00	29.65	3.35	0.97	0.00
27.10	3.35	0.97	0.00	29.70	3.35	0.97	0.00
27.15	3.35	0.97	0.00	29.75	3.35	0.97	0.00
27.20	3.35	0.97	0.00	29.80	3.35	0.97	0.00
27.25	3.35	0.97	0.00	29.85	3.35	0.97	0.00
27.30	3.35	0.97	0.00	29.90	3.35	0.97	0.00
27.35	3.35	0.97	0.00	29.95	3.35	0.97	0.00
27.40	3.35	0.97	0.00	30.00	3.35	0.97	0.00
27.45	3.35	0.97	0.00	30.05	3.35	0.97	0.00
27.50	3.35	0.97	0.00	30.10	3.35	0.97	0.00
27.55	3.35	0.97	0.00	30.15	3.35	0.97	0.00
27.60	3.35	0.97	0.00	30.20	3.35	0.97	0.00
27.65	3.35	0.97	0.00	30.25	3.35	0.97	0.00
27.70	3.35	0.97	0.00	30.30	3.35	0.97	0.00
27.75	3.35	0.97	0.00	30.35	3.35	0.97	0.00
27.80	3.35	0.97	0.00	30.40	3.35	0.97	0.00
27.85	3.35	0.97	0.00	30.45	3.35	0.97	0.00
27.90	3.35	0.97	0.00	30.50	3.35	0.97	0.00
27.95	3.35	0.97	0.00	30.55	3.35	0.97	0.00
28.00	3.35	0.97	0.00	30.60	3.35	0.97	0.00
28.05	3.35	0.97	0.00	30.65	3.35	0.97	0.00
28.10	3.35	0.97	0.00	30.70	3.35	0.97	0.00
28.15	3.35	0.97	0.00	30.75	3.35	0.97	0.00
28.20	3.35	0.97	0.00	30.80	3.35	0.97	0.00
28.25	3.35	0.97	0.00	30.85	3.35	0.97	0.00
28.30	3.35	0.97	0.00	30.90	3.35	0.97	0.00
28.35	3.35	0.97	0.00	30.95	3.35	0.97	0.00
28.40	3.35	0.97	0.00	31.00	3.35	0.97	0.00
28.45	3.35	0.97	0.00	31.05	3.35	0.97	0.00
28.50	3.35	0.97	0.00	31.10	3.35	0.97	0.00
28.55	3.35	0.97	0.00	31.15	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.97	0.00	33.80	3.35	0.97	0.00
31.25	3.35	0.97	0.00	33.85	3.35	0.97	0.00
31.30	3.35	0.97	0.00	33.90	3.35	0.97	0.00
31.35	3.35	0.97	0.00	33.95	3.35	0.97	0.00
31.40	3.35	0.97	0.00	34.00	3.35	0.97	0.00
31.45	3.35	0.97	0.00	34.05	3.35	0.97	0.00
31.50	3.35	0.97	0.00	34.10	3.35	0.97	0.00
31.55	3.35	0.97	0.00	34.15	3.35	0.97	0.00
31.60	3.35	0.97	0.00	34.20	3.35	0.97	0.00
31.65	3.35	0.97	0.00	34.25	3.35	0.97	0.00
31.70	3.35	0.97	0.00	34.30	3.35	0.97	0.00
31.75	3.35	0.97	0.00	34.35	3.35	0.97	0.00
31.80	3.35	0.97	0.00	34.40	3.35	0.97	0.00
31.85	3.35	0.97	0.00	34.45	3.35	0.97	0.00
31.90	3.35	0.97	0.00	34.50	3.35	0.97	0.00
31.95	3.35	0.97	0.00	34.55	3.35	0.97	0.00
32.00	3.35	0.97	0.00	34.60	3.35	0.97	0.00
32.05	3.35	0.97	0.00	34.65	3.35	0.97	0.00
32.10	3.35	0.97	0.00	34.70	3.35	0.97	0.00
32.15	3.35	0.97	0.00	34.75	3.35	0.97	0.00
32.20	3.35	0.97	0.00	34.80	3.35	0.97	0.00
32.25	3.35	0.97	0.00	34.85	3.35	0.97	0.00
32.30	3.35	0.97	0.00	34.90	3.35	0.97	0.00
32.35	3.35	0.97	0.00	34.95	3.35	0.97	0.00
32.40	3.35	0.97	0.00	35.00	3.35	0.97	0.00
32.45	3.35	0.97	0.00	35.05	3.35	0.97	0.00
32.50	3.35	0.97	0.00	35.10	3.35	0.97	0.00
32.55	3.35	0.97	0.00	35.15	3.35	0.97	0.00
32.60	3.35	0.97	0.00	35.20	3.35	0.97	0.00
32.65	3.35	0.97	0.00	35.25	3.35	0.97	0.00
32.70	3.35	0.97	0.00	35.30	3.35	0.97	0.00
32.75	3.35	0.97	0.00	35.35	3.35	0.97	0.00
32.80	3.35	0.97	0.00	35.40	3.35	0.97	0.00
32.85	3.35	0.97	0.00	35.45	3.35	0.97	0.00
32.90	3.35	0.97	0.00	35.50	3.35	0.97	0.00
32.95	3.35	0.97	0.00	35.55	3.35	0.97	0.00
33.00	3.35	0.97	0.00	35.60	3.35	0.97	0.00
33.05	3.35	0.97	0.00	35.65	3.35	0.97	0.00
33.10	3.35	0.97	0.00	35.70	3.35	0.97	0.00
33.15	3.35	0.97	0.00	35.75	3.35	0.97	0.00
33.20	3.35	0.97	0.00	35.80	3.35	0.97	0.00
33.25	3.35	0.97	0.00	35.85	3.35	0.97	0.00
33.30	3.35	0.97	0.00	35.90	3.35	0.97	0.00
33.35	3.35	0.97	0.00	35.95	3.35	0.97	0.00
33.40	3.35	0.97	0.00	36.00	3.35	0.97	0.00
33.45	3.35	0.97	0.00	36.05	3.35	0.97	0.00
33.50	3.35	0.97	0.00	36.10	3.35	0.97	0.00
33.55	3.35	0.97	0.00	36.15	3.35	0.97	0.00
33.60	3.35	0.97	0.00	36.20	3.35	0.97	0.00
33.65	3.35	0.97	0.00	36.25	3.35	0.97	0.00
33.70	3.35	0.97	0.00	36.30	3.35	0.97	0.00
33.75	3.35	0.97	0.00	36.35	3.35	0.97	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.97	0.00
36.45	3.35	0.97	0.00
36.50	3.35	0.97	0.00
36.55	3.35	0.97	0.00
36.60	3.35	0.97	0.00
36.65	3.35	0.97	0.00
36.70	3.35	0.97	0.00
36.75	3.35	0.97	0.00
36.80	3.35	0.97	0.00
36.85	3.35	0.97	0.00
36.90	3.35	0.97	0.00
36.95	3.35	0.97	0.00
37.00	3.35	0.97	0.00
37.05	3.35	0.97	0.00
37.10	3.35	0.97	0.00
37.15	3.35	0.97	0.00
37.20	3.35	0.97	0.00
37.25	3.35	0.97	0.00
37.30	3.35	0.97	0.00
37.35	3.35	0.97	0.00
37.40	3.35	0.97	0.00
37.45	3.35	0.97	0.00
37.50	3.35	0.97	0.00
37.55	3.35	0.97	0.00
37.60	3.35	0.97	0.00
37.65	3.35	0.97	0.00
37.70	3.35	0.97	0.00
37.75	3.35	0.97	0.00
37.80	3.35	0.97	0.00
37.85	3.35	0.97	0.00
37.90	3.35	0.97	0.00
37.95	3.35	0.97	0.00
38.00	3.35	0.97	0.00
38.05	3.35	0.97	0.00
38.10	3.35	0.97	0.00
38.15	3.35	0.97	0.00
38.20	3.35	0.97	0.00
38.25	3.35	0.97	0.00
38.30	3.35	0.97	0.00
38.35	3.35	0.97	0.00
38.40	3.35	0.97	0.00
38.45	3.35	0.97	0.00
38.50	3.35	0.97	0.00
38.55	3.35	0.97	0.00
38.60	3.35	0.97	0.00
38.65	3.35	0.97	0.00
38.70	3.35	0.97	0.00
38.75	3.35	0.97	0.00
38.80	3.35	0.97	0.00
38.85	3.35	0.97	0.00
38.90	3.35	0.97	0.00
38.95	3.35	0.97	0.00
39.00	3.35	0.97	0.00
39.05	3.35	0.97	0.00
39.10	3.35	0.97	0.00
39.15	3.35	0.97	0.00
39.20	3.35	0.97	0.00
39.25	3.35	0.97	0.00
39.30	3.35	0.97	0.00
39.35	3.35	0.97	0.00
39.40	3.35	0.97	0.00
39.45	3.35	0.97	0.00
39.50	3.35	0.97	0.00
39.55	3.35	0.97	0.00
39.60	3.35	0.97	0.00
39.65	3.35	0.97	0.00
39.70	3.35	0.97	0.00
39.75	3.35	0.97	0.00
39.80	3.35	0.97	0.00
39.85	3.35	0.97	0.00
39.90	3.35	0.97	0.00
39.95	3.35	0.97	0.00
40.00	3.35	0.97	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

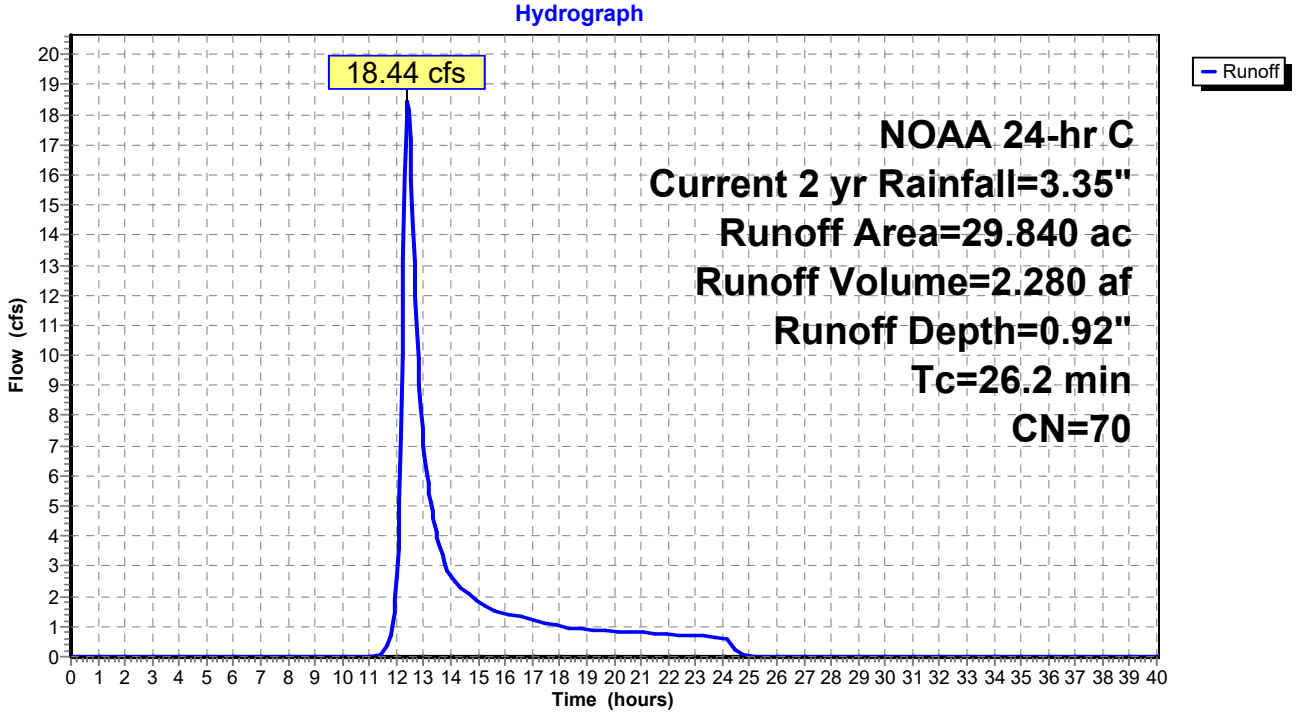
Runoff = 18.44 cfs @ 12.41 hrs, Volume= 2.280 af, Depth= 0.92"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.48	7.01
10.45	0.68	0.00	0.00	13.05	2.56	0.48	6.54
10.50	0.69	0.00	0.00	13.10	2.57	0.49	6.13
10.55	0.70	0.00	0.00	13.15	2.58	0.50	5.76
10.60	0.71	0.00	0.00	13.20	2.60	0.50	5.43
10.65	0.72	0.00	0.00	13.25	2.61	0.51	5.12
10.70	0.73	0.00	0.00	13.30	2.62	0.51	4.85
10.75	0.74	0.00	0.00	13.35	2.63	0.52	4.59
10.80	0.75	0.00	0.00	13.40	2.64	0.52	4.36
10.85	0.77	0.00	0.00	13.45	2.65	0.53	4.15
10.90	0.78	0.00	0.00	13.50	2.66	0.53	3.95
10.95	0.79	0.00	0.00	13.55	2.67	0.54	3.78
11.00	0.80	0.00	0.00	13.60	2.68	0.54	3.61
11.05	0.82	0.00	0.00	13.65	2.68	0.55	3.46
11.10	0.83	0.00	0.00	13.70	2.69	0.55	3.31
11.15	0.85	0.00	0.00	13.75	2.70	0.55	3.17
11.20	0.87	0.00	0.00	13.80	2.71	0.56	3.04
11.25	0.89	0.00	0.00	13.85	2.72	0.56	2.93
11.30	0.91	0.00	0.00	13.90	2.72	0.57	2.83
11.35	0.93	0.00	0.01	13.95	2.73	0.57	2.74
11.40	0.95	0.00	0.02	14.00	2.74	0.57	2.67
11.45	0.97	0.00	0.04	14.05	2.75	0.58	2.61
11.50	0.99	0.00	0.07	14.10	2.75	0.58	2.55
11.55	1.02	0.01	0.13	14.15	2.76	0.59	2.50
11.60	1.06	0.01	0.20	14.20	2.77	0.59	2.45
11.65	1.09	0.01	0.29	14.25	2.77	0.59	2.41
11.70	1.13	0.02	0.43	14.30	2.78	0.60	2.37
11.75	1.18	0.02	0.60	14.35	2.79	0.60	2.33
11.80	1.23	0.03	0.81	14.40	2.79	0.60	2.29
11.85	1.29	0.04	1.09	14.45	2.80	0.61	2.26
11.90	1.36	0.05	1.45	14.50	2.81	0.61	2.22
11.95	1.48	0.08	1.93	14.55	2.81	0.61	2.18
12.00	1.60	0.11	2.61	14.60	2.82	0.62	2.15
12.05	1.79	0.17	3.59	14.65	2.82	0.62	2.11
12.10	1.99	0.24	5.07	14.70	2.83	0.62	2.08
12.15	2.06	0.26	7.25	14.75	2.84	0.62	2.04
12.20	2.12	0.29	10.09	14.80	2.84	0.63	2.00
12.25	2.17	0.31	13.22	14.85	2.85	0.63	1.97
12.30	2.22	0.33	16.00	14.90	2.85	0.63	1.93
12.35	2.26	0.34	17.77	14.95	2.86	0.64	1.89
12.40	2.29	0.36	**18.42**	15.00	2.86	0.64	1.86
12.45	2.33	0.38	18.15	15.05	2.87	0.64	1.82
12.50	2.36	0.39	17.17	15.10	2.87	0.64	1.78
12.55	2.38	0.40	15.80	15.15	2.87	0.65	1.75
12.60	2.40	0.41	14.37	15.20	2.88	0.65	1.71
12.65	2.42	0.42	13.10	15.25	2.88	0.65	1.67
12.70	2.44	0.43	11.96	15.30	2.89	0.65	1.64
12.75	2.46	0.44	10.89	15.35	2.89	0.66	1.61
12.80	2.48	0.45	9.90	15.40	2.90	0.66	1.58
12.85	2.50	0.45	9.02	15.45	2.90	0.66	1.56
12.90	2.52	0.46	8.25	15.50	2.91	0.66	1.54
12.95	2.53	0.47	7.58	15.55	2.91	0.67	1.52

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.67	1.51	18.20	3.10	0.77	0.98
15.65	2.92	0.67	1.49	18.25	3.10	0.77	0.97
15.70	2.92	0.67	1.48	18.30	3.10	0.77	0.96
15.75	2.93	0.67	1.47	18.35	3.10	0.77	0.95
15.80	2.93	0.68	1.46	18.40	3.11	0.77	0.94
15.85	2.94	0.68	1.45	18.45	3.11	0.78	0.93
15.90	2.94	0.68	1.44	18.50	3.11	0.78	0.93
15.95	2.94	0.68	1.43	18.55	3.11	0.78	0.92
16.00	2.95	0.69	1.42	18.60	3.12	0.78	0.92
16.05	2.95	0.69	1.41	18.65	3.12	0.78	0.92
16.10	2.96	0.69	1.40	18.70	3.12	0.78	0.91
16.15	2.96	0.69	1.39	18.75	3.12	0.78	0.91
16.20	2.96	0.69	1.38	18.80	3.13	0.79	0.91
16.25	2.97	0.70	1.37	18.85	3.13	0.79	0.90
16.30	2.97	0.70	1.36	18.90	3.13	0.79	0.90
16.35	2.98	0.70	1.35	18.95	3.13	0.79	0.90
16.40	2.98	0.70	1.34	19.00	3.14	0.79	0.90
16.45	2.98	0.71	1.33	19.05	3.14	0.79	0.89
16.50	2.99	0.71	1.32	19.10	3.14	0.79	0.89
16.55	2.99	0.71	1.31	19.15	3.14	0.80	0.89
16.60	3.00	0.71	1.30	19.20	3.15	0.80	0.89
16.65	3.00	0.71	1.29	19.25	3.15	0.80	0.88
16.70	3.00	0.72	1.28	19.30	3.15	0.80	0.88
16.75	3.01	0.72	1.27	19.35	3.15	0.80	0.88
16.80	3.01	0.72	1.26	19.40	3.16	0.80	0.88
16.85	3.01	0.72	1.25	19.45	3.16	0.80	0.87
16.90	3.02	0.72	1.24	19.50	3.16	0.81	0.87
16.95	3.02	0.73	1.23	19.55	3.16	0.81	0.87
17.00	3.02	0.73	1.22	19.60	3.17	0.81	0.87
17.05	3.03	0.73	1.21	19.65	3.17	0.81	0.86
17.10	3.03	0.73	1.20	19.70	3.17	0.81	0.86
17.15	3.03	0.73	1.19	19.75	3.17	0.81	0.86
17.20	3.04	0.73	1.18	19.80	3.18	0.81	0.86
17.25	3.04	0.74	1.17	19.85	3.18	0.82	0.86
17.30	3.04	0.74	1.16	19.90	3.18	0.82	0.85
17.35	3.05	0.74	1.15	19.95	3.18	0.82	0.85
17.40	3.05	0.74	1.14	20.00	3.19	0.82	0.85
17.45	3.05	0.74	1.13	20.05	3.19	0.82	0.85
17.50	3.06	0.75	1.12	20.10	3.19	0.82	0.84
17.55	3.06	0.75	1.11	20.15	3.19	0.82	0.84
17.60	3.06	0.75	1.10	20.20	3.20	0.83	0.84
17.65	3.06	0.75	1.09	20.25	3.20	0.83	0.84
17.70	3.07	0.75	1.08	20.30	3.20	0.83	0.83
17.75	3.07	0.75	1.07	20.35	3.20	0.83	0.83
17.80	3.07	0.76	1.06	20.40	3.20	0.83	0.83
17.85	3.08	0.76	1.05	20.45	3.21	0.83	0.83
17.90	3.08	0.76	1.04	20.50	3.21	0.83	0.82
17.95	3.08	0.76	1.03	20.55	3.21	0.83	0.82
18.00	3.08	0.76	1.02	20.60	3.21	0.84	0.82
18.05	3.09	0.76	1.01	20.65	3.22	0.84	0.82
18.10	3.09	0.76	1.00	20.70	3.22	0.84	0.81
18.15	3.09	0.77	0.99	20.75	3.22	0.84	0.81

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.84	0.81	23.40	3.33	0.90	0.67
20.85	3.23	0.84	0.81	23.45	3.33	0.90	0.67
20.90	3.23	0.84	0.80	23.50	3.33	0.91	0.67
20.95	3.23	0.85	0.80	23.55	3.33	0.91	0.66
21.00	3.23	0.85	0.80	23.60	3.34	0.91	0.66
21.05	3.23	0.85	0.80	23.65	3.34	0.91	0.66
21.10	3.24	0.85	0.79	23.70	3.34	0.91	0.66
21.15	3.24	0.85	0.79	23.75	3.34	0.91	0.65
21.20	3.24	0.85	0.79	23.80	3.34	0.91	0.65
21.25	3.24	0.85	0.78	23.85	3.34	0.91	0.65
21.30	3.24	0.85	0.78	23.90	3.35	0.91	0.64
21.35	3.25	0.86	0.78	23.95	3.35	0.92	0.64
21.40	3.25	0.86	0.78	24.00	**3.35**	**0.92**	0.64
21.45	3.25	0.86	0.78	24.05	3.35	0.92	0.64
21.50	3.25	0.86	0.77	24.10	3.35	0.92	0.64
21.55	3.26	0.86	0.77	24.15	3.35	0.92	0.63
21.60	3.26	0.86	0.77	24.20	3.35	0.92	0.60
21.65	3.26	0.86	0.77	24.25	3.35	0.92	0.54
21.70	3.26	0.86	0.76	24.30	3.35	0.92	0.46
21.75	3.26	0.87	0.76	24.35	3.35	0.92	0.38
21.80	3.27	0.87	0.76	24.40	3.35	0.92	0.30
21.85	3.27	0.87	0.75	24.45	3.35	0.92	0.23
21.90	3.27	0.87	0.75	24.50	3.35	0.92	0.17
21.95	3.27	0.87	0.75	24.55	3.35	0.92	0.13
22.00	3.27	0.87	0.75	24.60	3.35	0.92	0.10
22.05	3.28	0.87	0.74	24.65	3.35	0.92	0.07
22.10	3.28	0.87	0.74	24.70	3.35	0.92	0.05
22.15	3.28	0.88	0.74	24.75	3.35	0.92	0.04
22.20	3.28	0.88	0.74	24.80	3.35	0.92	0.03
22.25	3.28	0.88	0.73	24.85	3.35	0.92	0.02
22.30	3.29	0.88	0.73	24.90	3.35	0.92	0.02
22.35	3.29	0.88	0.73	24.95	3.35	0.92	0.01
22.40	3.29	0.88	0.73	25.00	3.35	0.92	0.01
22.45	3.29	0.88	0.72	25.05	3.35	0.92	0.01
22.50	3.29	0.88	0.72	25.10	3.35	0.92	0.01
22.55	3.30	0.88	0.72	25.15	3.35	0.92	0.00
22.60	3.30	0.89	0.71	25.20	3.35	0.92	0.00
22.65	3.30	0.89	0.71	25.25	3.35	0.92	0.00
22.70	3.30	0.89	0.71	25.30	3.35	0.92	0.00
22.75	3.30	0.89	0.71	25.35	3.35	0.92	0.00
22.80	3.31	0.89	0.70	25.40	3.35	0.92	0.00
22.85	3.31	0.89	0.70	25.45	3.35	0.92	0.00
22.90	3.31	0.89	0.70	25.50	3.35	0.92	0.00
22.95	3.31	0.89	0.70	25.55	3.35	0.92	0.00
23.00	3.31	0.89	0.69	25.60	3.35	0.92	0.00
23.05	3.32	0.90	0.69	25.65	3.35	0.92	0.00
23.10	3.32	0.90	0.69	25.70	3.35	0.92	0.00
23.15	3.32	0.90	0.69	25.75	3.35	0.92	0.00
23.20	3.32	0.90	0.68	25.80	3.35	0.92	0.00
23.25	3.32	0.90	0.68	25.85	3.35	0.92	0.00
23.30	3.32	0.90	0.68	25.90	3.35	0.92	0.00
23.35	3.33	0.90	0.67	25.95	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.92	0.00	28.60	3.35	0.92	0.00
26.05	3.35	0.92	0.00	28.65	3.35	0.92	0.00
26.10	3.35	0.92	0.00	28.70	3.35	0.92	0.00
26.15	3.35	0.92	0.00	28.75	3.35	0.92	0.00
26.20	3.35	0.92	0.00	28.80	3.35	0.92	0.00
26.25	3.35	0.92	0.00	28.85	3.35	0.92	0.00
26.30	3.35	0.92	0.00	28.90	3.35	0.92	0.00
26.35	3.35	0.92	0.00	28.95	3.35	0.92	0.00
26.40	3.35	0.92	0.00	29.00	3.35	0.92	0.00
26.45	3.35	0.92	0.00	29.05	3.35	0.92	0.00
26.50	3.35	0.92	0.00	29.10	3.35	0.92	0.00
26.55	3.35	0.92	0.00	29.15	3.35	0.92	0.00
26.60	3.35	0.92	0.00	29.20	3.35	0.92	0.00
26.65	3.35	0.92	0.00	29.25	3.35	0.92	0.00
26.70	3.35	0.92	0.00	29.30	3.35	0.92	0.00
26.75	3.35	0.92	0.00	29.35	3.35	0.92	0.00
26.80	3.35	0.92	0.00	29.40	3.35	0.92	0.00
26.85	3.35	0.92	0.00	29.45	3.35	0.92	0.00
26.90	3.35	0.92	0.00	29.50	3.35	0.92	0.00
26.95	3.35	0.92	0.00	29.55	3.35	0.92	0.00
27.00	3.35	0.92	0.00	29.60	3.35	0.92	0.00
27.05	3.35	0.92	0.00	29.65	3.35	0.92	0.00
27.10	3.35	0.92	0.00	29.70	3.35	0.92	0.00
27.15	3.35	0.92	0.00	29.75	3.35	0.92	0.00
27.20	3.35	0.92	0.00	29.80	3.35	0.92	0.00
27.25	3.35	0.92	0.00	29.85	3.35	0.92	0.00
27.30	3.35	0.92	0.00	29.90	3.35	0.92	0.00
27.35	3.35	0.92	0.00	29.95	3.35	0.92	0.00
27.40	3.35	0.92	0.00	30.00	3.35	0.92	0.00
27.45	3.35	0.92	0.00	30.05	3.35	0.92	0.00
27.50	3.35	0.92	0.00	30.10	3.35	0.92	0.00
27.55	3.35	0.92	0.00	30.15	3.35	0.92	0.00
27.60	3.35	0.92	0.00	30.20	3.35	0.92	0.00
27.65	3.35	0.92	0.00	30.25	3.35	0.92	0.00
27.70	3.35	0.92	0.00	30.30	3.35	0.92	0.00
27.75	3.35	0.92	0.00	30.35	3.35	0.92	0.00
27.80	3.35	0.92	0.00	30.40	3.35	0.92	0.00
27.85	3.35	0.92	0.00	30.45	3.35	0.92	0.00
27.90	3.35	0.92	0.00	30.50	3.35	0.92	0.00
27.95	3.35	0.92	0.00	30.55	3.35	0.92	0.00
28.00	3.35	0.92	0.00	30.60	3.35	0.92	0.00
28.05	3.35	0.92	0.00	30.65	3.35	0.92	0.00
28.10	3.35	0.92	0.00	30.70	3.35	0.92	0.00
28.15	3.35	0.92	0.00	30.75	3.35	0.92	0.00
28.20	3.35	0.92	0.00	30.80	3.35	0.92	0.00
28.25	3.35	0.92	0.00	30.85	3.35	0.92	0.00
28.30	3.35	0.92	0.00	30.90	3.35	0.92	0.00
28.35	3.35	0.92	0.00	30.95	3.35	0.92	0.00
28.40	3.35	0.92	0.00	31.00	3.35	0.92	0.00
28.45	3.35	0.92	0.00	31.05	3.35	0.92	0.00
28.50	3.35	0.92	0.00	31.10	3.35	0.92	0.00
28.55	3.35	0.92	0.00	31.15	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.92	0.00	33.80	3.35	0.92	0.00
31.25	3.35	0.92	0.00	33.85	3.35	0.92	0.00
31.30	3.35	0.92	0.00	33.90	3.35	0.92	0.00
31.35	3.35	0.92	0.00	33.95	3.35	0.92	0.00
31.40	3.35	0.92	0.00	34.00	3.35	0.92	0.00
31.45	3.35	0.92	0.00	34.05	3.35	0.92	0.00
31.50	3.35	0.92	0.00	34.10	3.35	0.92	0.00
31.55	3.35	0.92	0.00	34.15	3.35	0.92	0.00
31.60	3.35	0.92	0.00	34.20	3.35	0.92	0.00
31.65	3.35	0.92	0.00	34.25	3.35	0.92	0.00
31.70	3.35	0.92	0.00	34.30	3.35	0.92	0.00
31.75	3.35	0.92	0.00	34.35	3.35	0.92	0.00
31.80	3.35	0.92	0.00	34.40	3.35	0.92	0.00
31.85	3.35	0.92	0.00	34.45	3.35	0.92	0.00
31.90	3.35	0.92	0.00	34.50	3.35	0.92	0.00
31.95	3.35	0.92	0.00	34.55	3.35	0.92	0.00
32.00	3.35	0.92	0.00	34.60	3.35	0.92	0.00
32.05	3.35	0.92	0.00	34.65	3.35	0.92	0.00
32.10	3.35	0.92	0.00	34.70	3.35	0.92	0.00
32.15	3.35	0.92	0.00	34.75	3.35	0.92	0.00
32.20	3.35	0.92	0.00	34.80	3.35	0.92	0.00
32.25	3.35	0.92	0.00	34.85	3.35	0.92	0.00
32.30	3.35	0.92	0.00	34.90	3.35	0.92	0.00
32.35	3.35	0.92	0.00	34.95	3.35	0.92	0.00
32.40	3.35	0.92	0.00	35.00	3.35	0.92	0.00
32.45	3.35	0.92	0.00	35.05	3.35	0.92	0.00
32.50	3.35	0.92	0.00	35.10	3.35	0.92	0.00
32.55	3.35	0.92	0.00	35.15	3.35	0.92	0.00
32.60	3.35	0.92	0.00	35.20	3.35	0.92	0.00
32.65	3.35	0.92	0.00	35.25	3.35	0.92	0.00
32.70	3.35	0.92	0.00	35.30	3.35	0.92	0.00
32.75	3.35	0.92	0.00	35.35	3.35	0.92	0.00
32.80	3.35	0.92	0.00	35.40	3.35	0.92	0.00
32.85	3.35	0.92	0.00	35.45	3.35	0.92	0.00
32.90	3.35	0.92	0.00	35.50	3.35	0.92	0.00
32.95	3.35	0.92	0.00	35.55	3.35	0.92	0.00
33.00	3.35	0.92	0.00	35.60	3.35	0.92	0.00
33.05	3.35	0.92	0.00	35.65	3.35	0.92	0.00
33.10	3.35	0.92	0.00	35.70	3.35	0.92	0.00
33.15	3.35	0.92	0.00	35.75	3.35	0.92	0.00
33.20	3.35	0.92	0.00	35.80	3.35	0.92	0.00
33.25	3.35	0.92	0.00	35.85	3.35	0.92	0.00
33.30	3.35	0.92	0.00	35.90	3.35	0.92	0.00
33.35	3.35	0.92	0.00	35.95	3.35	0.92	0.00
33.40	3.35	0.92	0.00	36.00	3.35	0.92	0.00
33.45	3.35	0.92	0.00	36.05	3.35	0.92	0.00
33.50	3.35	0.92	0.00	36.10	3.35	0.92	0.00
33.55	3.35	0.92	0.00	36.15	3.35	0.92	0.00
33.60	3.35	0.92	0.00	36.20	3.35	0.92	0.00
33.65	3.35	0.92	0.00	36.25	3.35	0.92	0.00
33.70	3.35	0.92	0.00	36.30	3.35	0.92	0.00
33.75	3.35	0.92	0.00	36.35	3.35	0.92	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

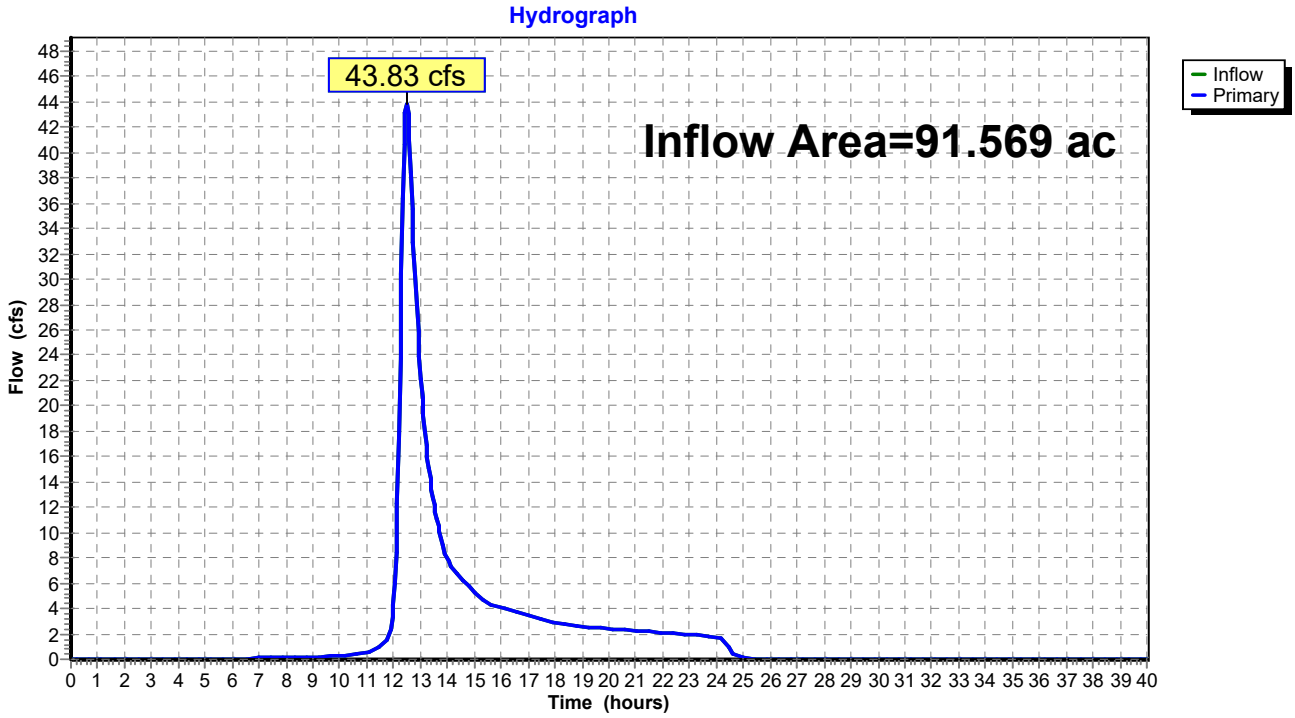
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.92	0.00
36.45	3.35	0.92	0.00
36.50	3.35	0.92	0.00
36.55	3.35	0.92	0.00
36.60	3.35	0.92	0.00
36.65	3.35	0.92	0.00
36.70	3.35	0.92	0.00
36.75	3.35	0.92	0.00
36.80	3.35	0.92	0.00
36.85	3.35	0.92	0.00
36.90	3.35	0.92	0.00
36.95	3.35	0.92	0.00
37.00	3.35	0.92	0.00
37.05	3.35	0.92	0.00
37.10	3.35	0.92	0.00
37.15	3.35	0.92	0.00
37.20	3.35	0.92	0.00
37.25	3.35	0.92	0.00
37.30	3.35	0.92	0.00
37.35	3.35	0.92	0.00
37.40	3.35	0.92	0.00
37.45	3.35	0.92	0.00
37.50	3.35	0.92	0.00
37.55	3.35	0.92	0.00
37.60	3.35	0.92	0.00
37.65	3.35	0.92	0.00
37.70	3.35	0.92	0.00
37.75	3.35	0.92	0.00
37.80	3.35	0.92	0.00
37.85	3.35	0.92	0.00
37.90	3.35	0.92	0.00
37.95	3.35	0.92	0.00
38.00	3.35	0.92	0.00
38.05	3.35	0.92	0.00
38.10	3.35	0.92	0.00
38.15	3.35	0.92	0.00
38.20	3.35	0.92	0.00
38.25	3.35	0.92	0.00
38.30	3.35	0.92	0.00
38.35	3.35	0.92	0.00
38.40	3.35	0.92	0.00
38.45	3.35	0.92	0.00
38.50	3.35	0.92	0.00
38.55	3.35	0.92	0.00
38.60	3.35	0.92	0.00
38.65	3.35	0.92	0.00
38.70	3.35	0.92	0.00
38.75	3.35	0.92	0.00
38.80	3.35	0.92	0.00
38.85	3.35	0.92	0.00
38.90	3.35	0.92	0.00
38.95	3.35	0.92	0.00
39.00	3.35	0.92	0.00
39.05	3.35	0.92	0.00
39.10	3.35	0.92	0.00
39.15	3.35	0.92	0.00
39.20	3.35	0.92	0.00
39.25	3.35	0.92	0.00
39.30	3.35	0.92	0.00
39.35	3.35	0.92	0.00
39.40	3.35	0.92	0.00
39.45	3.35	0.92	0.00
39.50	3.35	0.92	0.00
39.55	3.35	0.92	0.00
39.60	3.35	0.92	0.00
39.65	3.35	0.92	0.00
39.70	3.35	0.92	0.00
39.75	3.35	0.92	0.00
39.80	3.35	0.92	0.00
39.85	3.35	0.92	0.00
39.90	3.35	0.92	0.00
39.95	3.35	0.92	0.00
40.00	3.35	0.92	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 0.83" for Current 2 yr event
Inflow = 43.83 cfs @ 12.50 hrs, Volume= 6.318 af
Primary = 43.83 cfs @ 12.50 hrs, Volume= 6.318 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.01	0.00	0.01
2.50	0.00	0.00	0.00	5.10	0.01	0.00	0.01
2.55	0.00	0.00	0.00	5.15	0.01	0.00	0.01

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.01	0.00	0.01	7.80	0.11	0.00	0.11
5.25	0.01	0.00	0.01	7.85	0.11	0.00	0.11
5.30	0.02	0.00	0.02	7.90	0.11	0.00	0.11
5.35	0.02	0.00	0.02	7.95	0.12	0.00	0.12
5.40	0.02	0.00	0.02	8.00	0.12	0.00	0.12
5.45	0.02	0.00	0.02	8.05	0.12	0.00	0.12
5.50	0.02	0.00	0.02	8.10	0.13	0.00	0.13
5.55	0.02	0.00	0.02	8.15	0.13	0.00	0.13
5.60	0.02	0.00	0.02	8.20	0.13	0.00	0.13
5.65	0.03	0.00	0.03	8.25	0.14	0.00	0.14
5.70	0.03	0.00	0.03	8.30	0.14	0.00	0.14
5.75	0.03	0.00	0.03	8.35	0.14	0.00	0.14
5.80	0.03	0.00	0.03	8.40	0.14	0.00	0.14
5.85	0.03	0.00	0.03	8.45	0.15	0.00	0.15
5.90	0.03	0.00	0.03	8.50	0.15	0.00	0.15
5.95	0.03	0.00	0.03	8.55	0.15	0.00	0.15
6.00	0.04	0.00	0.04	8.60	0.16	0.00	0.16
6.05	0.04	0.00	0.04	8.65	0.16	0.00	0.16
6.10	0.04	0.00	0.04	8.70	0.16	0.00	0.16
6.15	0.04	0.00	0.04	8.75	0.17	0.00	0.17
6.20	0.04	0.00	0.04	8.80	0.17	0.00	0.17
6.25	0.04	0.00	0.04	8.85	0.17	0.00	0.17
6.30	0.04	0.00	0.04	8.90	0.18	0.00	0.18
6.35	0.05	0.00	0.05	8.95	0.18	0.00	0.18
6.40	0.05	0.00	0.05	9.00	0.18	0.00	0.18
6.45	0.05	0.00	0.05	9.05	0.19	0.00	0.19
6.50	0.05	0.00	0.05	9.10	0.19	0.00	0.19
6.55	0.05	0.00	0.05	9.15	0.19	0.00	0.19
6.60	0.05	0.00	0.05	9.20	0.20	0.00	0.20
6.65	0.06	0.00	0.06	9.25	0.20	0.00	0.20
6.70	0.06	0.00	0.06	9.30	0.20	0.00	0.20
6.75	0.06	0.00	0.06	9.35	0.21	0.00	0.21
6.80	0.06	0.00	0.06	9.40	0.22	0.00	0.22
6.85	0.06	0.00	0.06	9.45	0.22	0.00	0.22
6.90	0.07	0.00	0.07	9.50	0.23	0.00	0.23
6.95	0.07	0.00	0.07	9.55	0.23	0.00	0.23
7.00	0.07	0.00	0.07	9.60	0.24	0.00	0.24
7.05	0.07	0.00	0.07	9.65	0.25	0.00	0.25
7.10	0.07	0.00	0.07	9.70	0.26	0.00	0.26
7.15	0.08	0.00	0.08	9.75	0.27	0.00	0.27
7.20	0.08	0.00	0.08	9.80	0.27	0.00	0.27
7.25	0.08	0.00	0.08	9.85	0.28	0.00	0.28
7.30	0.08	0.00	0.08	9.90	0.29	0.00	0.29
7.35	0.09	0.00	0.09	9.95	0.30	0.00	0.30
7.40	0.09	0.00	0.09	10.00	0.31	0.00	0.31
7.45	0.09	0.00	0.09	10.05	0.32	0.00	0.32
7.50	0.09	0.00	0.09	10.10	0.33	0.00	0.33
7.55	0.10	0.00	0.10	10.15	0.34	0.00	0.34
7.60	0.10	0.00	0.10	10.20	0.35	0.00	0.35
7.65	0.10	0.00	0.10	10.25	0.36	0.00	0.36
7.70	0.10	0.00	0.10	10.30	0.37	0.00	0.37
7.75	0.11	0.00	0.11	10.35	0.38	0.00	0.38

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.39	0.00	0.39	13.00	22.14	0.00	22.14
10.45	0.40	0.00	0.40	13.05	20.56	0.00	20.56
10.50	0.41	0.00	0.41	13.10	19.18	0.00	19.18
10.55	0.42	0.00	0.42	13.15	17.97	0.00	17.97
10.60	0.43	0.00	0.43	13.20	16.89	0.00	16.89
10.65	0.44	0.00	0.44	13.25	15.90	0.00	15.90
10.70	0.45	0.00	0.45	13.30	15.01	0.00	15.01
10.75	0.47	0.00	0.47	13.35	14.20	0.00	14.20
10.80	0.48	0.00	0.48	13.40	13.44	0.00	13.44
10.85	0.50	0.00	0.50	13.45	12.76	0.00	12.76
10.90	0.52	0.00	0.52	13.50	12.14	0.00	12.14
10.95	0.55	0.00	0.55	13.55	11.56	0.00	11.56
11.00	0.58	0.00	0.58	13.60	11.03	0.00	11.03
11.05	0.60	0.00	0.60	13.65	10.53	0.00	10.53
11.10	0.63	0.00	0.63	13.70	10.06	0.00	10.06
11.15	0.67	0.00	0.67	13.75	9.61	0.00	9.61
11.20	0.70	0.00	0.70	13.80	9.18	0.00	9.18
11.25	0.74	0.00	0.74	13.85	8.80	0.00	8.80
11.30	0.78	0.00	0.78	13.90	8.45	0.00	8.45
11.35	0.83	0.00	0.83	13.95	8.15	0.00	8.15
11.40	0.88	0.00	0.88	14.00	7.88	0.00	7.88
11.45	0.94	0.00	0.94	14.05	7.66	0.00	7.66
11.50	0.99	0.00	0.99	14.10	7.45	0.00	7.45
11.55	1.06	0.00	1.06	14.15	7.27	0.00	7.27
11.60	1.13	0.00	1.13	14.20	7.12	0.00	7.12
11.65	1.21	0.00	1.21	14.25	6.97	0.00	6.97
11.70	1.32	0.00	1.32	14.30	6.84	0.00	6.84
11.75	1.47	0.00	1.47	14.35	6.71	0.00	6.71
11.80	1.70	0.00	1.70	14.40	6.60	0.00	6.60
11.85	2.04	0.00	2.04	14.45	6.48	0.00	6.48
11.90	2.53	0.00	2.53	14.50	6.37	0.00	6.37
11.95	3.26	0.00	3.26	14.55	6.27	0.00	6.27
12.00	4.34	0.00	4.34	14.60	6.16	0.00	6.16
12.05	5.98	0.00	5.98	14.65	6.06	0.00	6.06
12.10	8.50	0.00	8.50	14.70	5.96	0.00	5.96
12.15	12.29	0.00	12.29	14.75	5.85	0.00	5.85
12.20	17.49	0.00	17.49	14.80	5.75	0.00	5.75
12.25	23.76	0.00	23.76	14.85	5.65	0.00	5.65
12.30	30.41	0.00	30.41	14.90	5.55	0.00	5.55
12.35	36.41	0.00	36.41	14.95	5.45	0.00	5.45
12.40	40.71	0.00	40.71	15.00	5.35	0.00	5.35
12.45	43.16	0.00	43.16	15.05	5.25	0.00	5.25
12.50	**43.83**	0.00	**43.83**	15.10	5.14	0.00	5.14
12.55	42.99	0.00	42.99	15.15	5.04	0.00	5.04
12.60	41.06	0.00	41.06	15.20	4.94	0.00	4.94
12.65	38.46	0.00	38.46	15.25	4.84	0.00	4.84
12.70	35.59	0.00	35.59	15.30	4.74	0.00	4.74
12.75	32.91	0.00	32.91	15.35	4.65	0.00	4.65
12.80	30.40	0.00	30.40	15.40	4.56	0.00	4.56
12.85	28.05	0.00	28.05	15.45	4.49	0.00	4.49
12.90	25.87	0.00	25.87	15.50	4.42	0.00	4.42
12.95	23.89	0.00	23.89	15.55	4.36	0.00	4.36

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.31	0.00	4.31	18.20	2.79	0.00	2.79
15.65	4.26	0.00	4.26	18.25	2.76	0.00	2.76
15.70	4.22	0.00	4.22	18.30	2.73	0.00	2.73
15.75	4.18	0.00	4.18	18.35	2.71	0.00	2.71
15.80	4.14	0.00	4.14	18.40	2.68	0.00	2.68
15.85	4.11	0.00	4.11	18.45	2.66	0.00	2.66
15.90	4.08	0.00	4.08	18.50	2.64	0.00	2.64
15.95	4.05	0.00	4.05	18.55	2.62	0.00	2.62
16.00	4.01	0.00	4.01	18.60	2.61	0.00	2.61
16.05	3.99	0.00	3.99	18.65	2.60	0.00	2.60
16.10	3.96	0.00	3.96	18.70	2.59	0.00	2.59
16.15	3.93	0.00	3.93	18.75	2.57	0.00	2.57
16.20	3.90	0.00	3.90	18.80	2.56	0.00	2.56
16.25	3.88	0.00	3.88	18.85	2.56	0.00	2.56
16.30	3.85	0.00	3.85	18.90	2.55	0.00	2.55
16.35	3.82	0.00	3.82	18.95	2.54	0.00	2.54
16.40	3.80	0.00	3.80	19.00	2.53	0.00	2.53
16.45	3.77	0.00	3.77	19.05	2.52	0.00	2.52
16.50	3.74	0.00	3.74	19.10	2.52	0.00	2.52
16.55	3.72	0.00	3.72	19.15	2.51	0.00	2.51
16.60	3.69	0.00	3.69	19.20	2.50	0.00	2.50
16.65	3.66	0.00	3.66	19.25	2.50	0.00	2.50
16.70	3.64	0.00	3.64	19.30	2.49	0.00	2.49
16.75	3.61	0.00	3.61	19.35	2.48	0.00	2.48
16.80	3.58	0.00	3.58	19.40	2.48	0.00	2.48
16.85	3.55	0.00	3.55	19.45	2.47	0.00	2.47
16.90	3.53	0.00	3.53	19.50	2.46	0.00	2.46
16.95	3.50	0.00	3.50	19.55	2.46	0.00	2.46
17.00	3.47	0.00	3.47	19.60	2.45	0.00	2.45
17.05	3.44	0.00	3.44	19.65	2.44	0.00	2.44
17.10	3.42	0.00	3.42	19.70	2.44	0.00	2.44
17.15	3.39	0.00	3.39	19.75	2.43	0.00	2.43
17.20	3.36	0.00	3.36	19.80	2.42	0.00	2.42
17.25	3.33	0.00	3.33	19.85	2.42	0.00	2.42
17.30	3.31	0.00	3.31	19.90	2.41	0.00	2.41
17.35	3.28	0.00	3.28	19.95	2.40	0.00	2.40
17.40	3.25	0.00	3.25	20.00	2.40	0.00	2.40
17.45	3.22	0.00	3.22	20.05	2.39	0.00	2.39
17.50	3.19	0.00	3.19	20.10	2.39	0.00	2.39
17.55	3.16	0.00	3.16	20.15	2.38	0.00	2.38
17.60	3.14	0.00	3.14	20.20	2.37	0.00	2.37
17.65	3.11	0.00	3.11	20.25	2.37	0.00	2.37
17.70	3.08	0.00	3.08	20.30	2.36	0.00	2.36
17.75	3.05	0.00	3.05	20.35	2.35	0.00	2.35
17.80	3.02	0.00	3.02	20.40	2.34	0.00	2.34
17.85	2.99	0.00	2.99	20.45	2.34	0.00	2.34
17.90	2.96	0.00	2.96	20.50	2.33	0.00	2.33
17.95	2.93	0.00	2.93	20.55	2.32	0.00	2.32
18.00	2.91	0.00	2.91	20.60	2.31	0.00	2.31
18.05	2.88	0.00	2.88	20.65	2.31	0.00	2.31
18.10	2.85	0.00	2.85	20.70	2.30	0.00	2.30
18.15	2.82	0.00	2.82	20.75	2.30	0.00	2.30

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.29	0.00	2.29	23.40	1.91	0.00	1.91
20.85	2.28	0.00	2.28	23.45	1.90	0.00	1.90
20.90	2.28	0.00	2.28	23.50	1.89	0.00	1.89
20.95	2.27	0.00	2.27	23.55	1.89	0.00	1.89
21.00	2.26	0.00	2.26	23.60	1.88	0.00	1.88
21.05	2.25	0.00	2.25	23.65	1.87	0.00	1.87
21.10	2.25	0.00	2.25	23.70	1.86	0.00	1.86
21.15	2.24	0.00	2.24	23.75	1.86	0.00	1.86
21.20	2.23	0.00	2.23	23.80	1.85	0.00	1.85
21.25	2.22	0.00	2.22	23.85	1.84	0.00	1.84
21.30	2.22	0.00	2.22	23.90	1.83	0.00	1.83
21.35	2.21	0.00	2.21	23.95	1.82	0.00	1.82
21.40	2.20	0.00	2.20	24.00	1.82	0.00	1.82
21.45	2.20	0.00	2.20	24.05	1.82	0.00	1.82
21.50	2.19	0.00	2.19	24.10	1.81	0.00	1.81
21.55	2.18	0.00	2.18	24.15	1.79	0.00	1.79
21.60	2.18	0.00	2.18	24.20	1.75	0.00	1.75
21.65	2.17	0.00	2.17	24.25	1.66	0.00	1.66
21.70	2.16	0.00	2.16	24.30	1.52	0.00	1.52
21.75	2.15	0.00	2.15	24.35	1.34	0.00	1.34
21.80	2.15	0.00	2.15	24.40	1.15	0.00	1.15
21.85	2.14	0.00	2.14	24.45	0.96	0.00	0.96
21.90	2.13	0.00	2.13	24.50	0.78	0.00	0.78
21.95	2.12	0.00	2.12	24.55	0.62	0.00	0.62
22.00	2.12	0.00	2.12	24.60	0.49	0.00	0.49
22.05	2.11	0.00	2.11	24.65	0.38	0.00	0.38
22.10	2.10	0.00	2.10	24.70	0.30	0.00	0.30
22.15	2.10	0.00	2.10	24.75	0.24	0.00	0.24
22.20	2.09	0.00	2.09	24.80	0.19	0.00	0.19
22.25	2.08	0.00	2.08	24.85	0.15	0.00	0.15
22.30	2.07	0.00	2.07	24.90	0.12	0.00	0.12
22.35	2.07	0.00	2.07	24.95	0.09	0.00	0.09
22.40	2.06	0.00	2.06	25.00	0.07	0.00	0.07
22.45	2.05	0.00	2.05	25.05	0.06	0.00	0.06
22.50	2.05	0.00	2.05	25.10	0.05	0.00	0.05
22.55	2.04	0.00	2.04	25.15	0.04	0.00	0.04
22.60	2.03	0.00	2.03	25.20	0.03	0.00	0.03
22.65	2.02	0.00	2.02	25.25	0.02	0.00	0.02
22.70	2.01	0.00	2.01	25.30	0.02	0.00	0.02
22.75	2.01	0.00	2.01	25.35	0.01	0.00	0.01
22.80	2.00	0.00	2.00	25.40	0.01	0.00	0.01
22.85	1.99	0.00	1.99	25.45	0.01	0.00	0.01
22.90	1.98	0.00	1.98	25.50	0.01	0.00	0.01
22.95	1.98	0.00	1.98	25.55	0.00	0.00	0.00
23.00	1.97	0.00	1.97	25.60	0.00	0.00	0.00
23.05	1.96	0.00	1.96	25.65	0.00	0.00	0.00
23.10	1.95	0.00	1.95	25.70	0.00	0.00	0.00
23.15	1.95	0.00	1.95	25.75	0.00	0.00	0.00
23.20	1.94	0.00	1.94	25.80	0.00	0.00	0.00
23.25	1.93	0.00	1.93	25.85	0.00	0.00	0.00
23.30	1.92	0.00	1.92	25.90	0.00	0.00	0.00
23.35	1.92	0.00	1.92	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

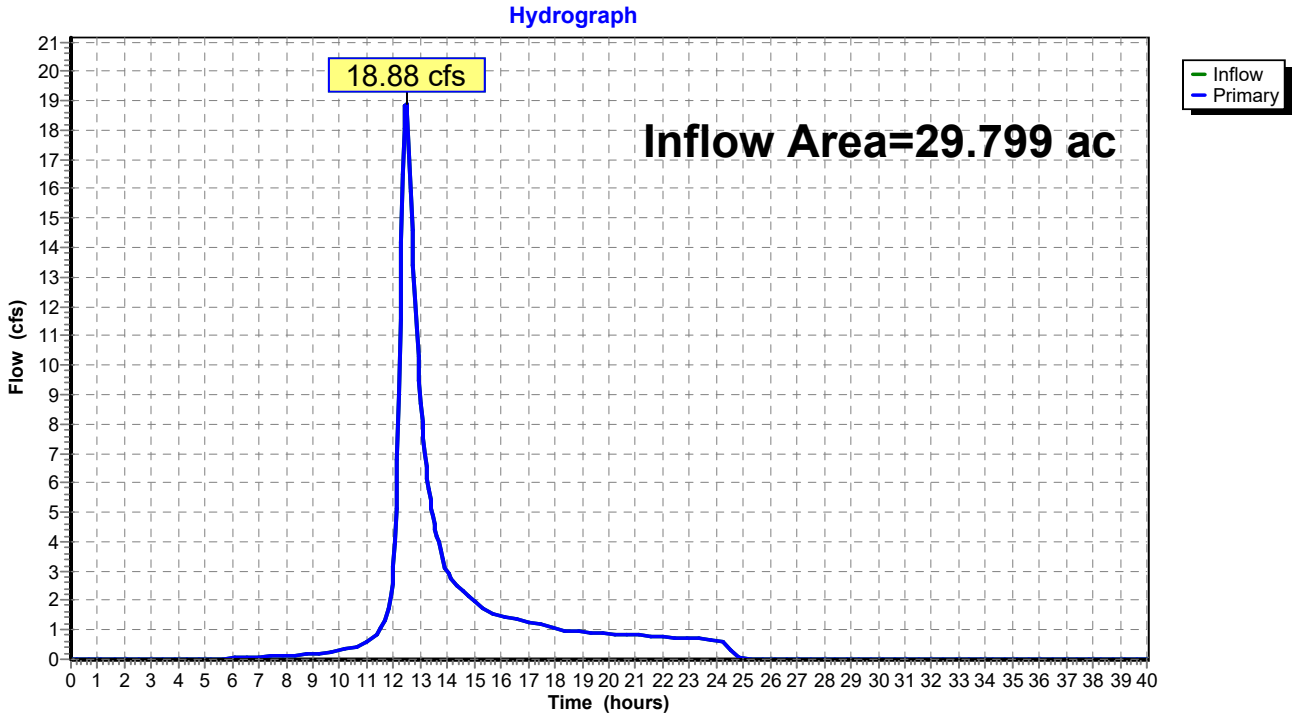
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.05" for Current 2 yr event
Inflow = 18.88 cfs @ 12.48 hrs, Volume= 2.610 af
Primary = 18.88 cfs @ 12.48 hrs, Volume= 2.610 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.01	0.00	0.01
2.50	0.00	0.00	0.00	5.10	0.01	0.00	0.01
2.55	0.00	0.00	0.00	5.15	0.01	0.00	0.01

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.01	0.00	0.01	7.80	0.11	0.00	0.11
5.25	0.01	0.00	0.01	7.85	0.11	0.00	0.11
5.30	0.02	0.00	0.02	7.90	0.11	0.00	0.11
5.35	0.02	0.00	0.02	7.95	0.12	0.00	0.12
5.40	0.02	0.00	0.02	8.00	0.12	0.00	0.12
5.45	0.02	0.00	0.02	8.05	0.12	0.00	0.12
5.50	0.02	0.00	0.02	8.10	0.13	0.00	0.13
5.55	0.02	0.00	0.02	8.15	0.13	0.00	0.13
5.60	0.02	0.00	0.02	8.20	0.13	0.00	0.13
5.65	0.03	0.00	0.03	8.25	0.14	0.00	0.14
5.70	0.03	0.00	0.03	8.30	0.14	0.00	0.14
5.75	0.03	0.00	0.03	8.35	0.14	0.00	0.14
5.80	0.03	0.00	0.03	8.40	0.14	0.00	0.14
5.85	0.03	0.00	0.03	8.45	0.15	0.00	0.15
5.90	0.03	0.00	0.03	8.50	0.15	0.00	0.15
5.95	0.03	0.00	0.03	8.55	0.15	0.00	0.15
6.00	0.04	0.00	0.04	8.60	0.16	0.00	0.16
6.05	0.04	0.00	0.04	8.65	0.16	0.00	0.16
6.10	0.04	0.00	0.04	8.70	0.16	0.00	0.16
6.15	0.04	0.00	0.04	8.75	0.17	0.00	0.17
6.20	0.04	0.00	0.04	8.80	0.17	0.00	0.17
6.25	0.04	0.00	0.04	8.85	0.17	0.00	0.17
6.30	0.04	0.00	0.04	8.90	0.18	0.00	0.18
6.35	0.05	0.00	0.05	8.95	0.18	0.00	0.18
6.40	0.05	0.00	0.05	9.00	0.18	0.00	0.18
6.45	0.05	0.00	0.05	9.05	0.19	0.00	0.19
6.50	0.05	0.00	0.05	9.10	0.19	0.00	0.19
6.55	0.05	0.00	0.05	9.15	0.19	0.00	0.19
6.60	0.05	0.00	0.05	9.20	0.20	0.00	0.20
6.65	0.06	0.00	0.06	9.25	0.20	0.00	0.20
6.70	0.06	0.00	0.06	9.30	0.20	0.00	0.20
6.75	0.06	0.00	0.06	9.35	0.21	0.00	0.21
6.80	0.06	0.00	0.06	9.40	0.22	0.00	0.22
6.85	0.06	0.00	0.06	9.45	0.22	0.00	0.22
6.90	0.07	0.00	0.07	9.50	0.23	0.00	0.23
6.95	0.07	0.00	0.07	9.55	0.23	0.00	0.23
7.00	0.07	0.00	0.07	9.60	0.24	0.00	0.24
7.05	0.07	0.00	0.07	9.65	0.25	0.00	0.25
7.10	0.07	0.00	0.07	9.70	0.26	0.00	0.26
7.15	0.08	0.00	0.08	9.75	0.27	0.00	0.27
7.20	0.08	0.00	0.08	9.80	0.27	0.00	0.27
7.25	0.08	0.00	0.08	9.85	0.28	0.00	0.28
7.30	0.08	0.00	0.08	9.90	0.29	0.00	0.29
7.35	0.09	0.00	0.09	9.95	0.30	0.00	0.30
7.40	0.09	0.00	0.09	10.00	0.31	0.00	0.31
7.45	0.09	0.00	0.09	10.05	0.32	0.00	0.32
7.50	0.09	0.00	0.09	10.10	0.33	0.00	0.33
7.55	0.10	0.00	0.10	10.15	0.34	0.00	0.34
7.60	0.10	0.00	0.10	10.20	0.35	0.00	0.35
7.65	0.10	0.00	0.10	10.25	0.36	0.00	0.36
7.70	0.10	0.00	0.10	10.30	0.37	0.00	0.37
7.75	0.11	0.00	0.11	10.35	0.38	0.00	0.38

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.39	0.00	0.39	13.00	8.72	0.00	8.72
10.45	0.40	0.00	0.40	13.05	8.06	0.00	8.06
10.50	0.41	0.00	0.41	13.10	7.48	0.00	7.48
10.55	0.42	0.00	0.42	13.15	6.98	0.00	6.98
10.60	0.43	0.00	0.43	13.20	6.53	0.00	6.53
10.65	0.44	0.00	0.44	13.25	6.13	0.00	6.13
10.70	0.45	0.00	0.45	13.30	5.77	0.00	5.77
10.75	0.47	0.00	0.47	13.35	5.44	0.00	5.44
10.80	0.48	0.00	0.48	13.40	5.14	0.00	5.14
10.85	0.50	0.00	0.50	13.45	4.86	0.00	4.86
10.90	0.52	0.00	0.52	13.50	4.61	0.00	4.61
10.95	0.55	0.00	0.55	13.55	4.39	0.00	4.39
11.00	0.58	0.00	0.58	13.60	4.18	0.00	4.18
11.05	0.60	0.00	0.60	13.65	3.98	0.00	3.98
11.10	0.63	0.00	0.63	13.70	3.80	0.00	3.80
11.15	0.67	0.00	0.67	13.75	3.62	0.00	3.62
11.20	0.70	0.00	0.70	13.80	3.45	0.00	3.45
11.25	0.74	0.00	0.74	13.85	3.30	0.00	3.30
11.30	0.78	0.00	0.78	13.90	3.17	0.00	3.17
11.35	0.83	0.00	0.83	13.95	3.05	0.00	3.05
11.40	0.88	0.00	0.88	14.00	2.95	0.00	2.95
11.45	0.94	0.00	0.94	14.05	2.86	0.00	2.86
11.50	0.99	0.00	0.99	14.10	2.79	0.00	2.79
11.55	1.06	0.00	1.06	14.15	2.72	0.00	2.72
11.60	1.13	0.00	1.13	14.20	2.66	0.00	2.66
11.65	1.21	0.00	1.21	14.25	2.60	0.00	2.60
11.70	1.31	0.00	1.31	14.30	2.55	0.00	2.55
11.75	1.45	0.00	1.45	14.35	2.50	0.00	2.50
11.80	1.63	0.00	1.63	14.40	2.46	0.00	2.46
11.85	1.86	0.00	1.86	14.45	2.41	0.00	2.41
11.90	2.17	0.00	2.17	14.50	2.37	0.00	2.37
11.95	2.58	0.00	2.58	14.55	2.33	0.00	2.33
12.00	3.15	0.00	3.15	14.60	2.29	0.00	2.29
12.05	3.94	0.00	3.94	14.65	2.25	0.00	2.25
12.10	5.10	0.00	5.10	14.70	2.21	0.00	2.21
12.15	6.77	0.00	6.77	14.75	2.17	0.00	2.17
12.20	8.97	0.00	8.97	14.80	2.13	0.00	2.13
12.25	11.55	0.00	11.55	14.85	2.09	0.00	2.09
12.30	14.21	0.00	14.21	14.90	2.06	0.00	2.06
12.35	16.51	0.00	16.51	14.95	2.02	0.00	2.02
12.40	18.05	0.00	18.05	15.00	1.98	0.00	1.98
12.45	18.80	0.00	18.80	15.05	1.94	0.00	1.94
12.50	**18.81**	0.00	**18.81**	15.10	1.90	0.00	1.90
12.55	18.21	0.00	18.21	15.15	1.86	0.00	1.86
12.60	17.19	0.00	17.19	15.20	1.83	0.00	1.83
12.65	15.93	0.00	15.93	15.25	1.79	0.00	1.79
12.70	14.60	0.00	14.60	15.30	1.75	0.00	1.75
12.75	13.39	0.00	13.39	15.35	1.72	0.00	1.72
12.80	12.28	0.00	12.28	15.40	1.69	0.00	1.69
12.85	11.25	0.00	11.25	15.45	1.66	0.00	1.66
12.90	10.31	0.00	10.31	15.50	1.63	0.00	1.63
12.95	9.46	0.00	9.46	15.55	1.61	0.00	1.61

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.59	0.00	1.59	18.20	1.02	0.00	1.02
15.65	1.57	0.00	1.57	18.25	1.01	0.00	1.01
15.70	1.55	0.00	1.55	18.30	1.00	0.00	1.00
15.75	1.54	0.00	1.54	18.35	0.99	0.00	0.99
15.80	1.53	0.00	1.53	18.40	0.98	0.00	0.98
15.85	1.51	0.00	1.51	18.45	0.97	0.00	0.97
15.90	1.50	0.00	1.50	18.50	0.96	0.00	0.96
15.95	1.49	0.00	1.49	18.55	0.96	0.00	0.96
16.00	1.48	0.00	1.48	18.60	0.95	0.00	0.95
16.05	1.47	0.00	1.47	18.65	0.95	0.00	0.95
16.10	1.46	0.00	1.46	18.70	0.94	0.00	0.94
16.15	1.44	0.00	1.44	18.75	0.94	0.00	0.94
16.20	1.43	0.00	1.43	18.80	0.93	0.00	0.93
16.25	1.42	0.00	1.42	18.85	0.93	0.00	0.93
16.30	1.41	0.00	1.41	18.90	0.93	0.00	0.93
16.35	1.40	0.00	1.40	18.95	0.92	0.00	0.92
16.40	1.39	0.00	1.39	19.00	0.92	0.00	0.92
16.45	1.38	0.00	1.38	19.05	0.92	0.00	0.92
16.50	1.37	0.00	1.37	19.10	0.92	0.00	0.92
16.55	1.36	0.00	1.36	19.15	0.91	0.00	0.91
16.60	1.35	0.00	1.35	19.20	0.91	0.00	0.91
16.65	1.34	0.00	1.34	19.25	0.91	0.00	0.91
16.70	1.33	0.00	1.33	19.30	0.90	0.00	0.90
16.75	1.32	0.00	1.32	19.35	0.90	0.00	0.90
16.80	1.31	0.00	1.31	19.40	0.90	0.00	0.90
16.85	1.30	0.00	1.30	19.45	0.90	0.00	0.90
16.90	1.29	0.00	1.29	19.50	0.89	0.00	0.89
16.95	1.28	0.00	1.28	19.55	0.89	0.00	0.89
17.00	1.27	0.00	1.27	19.60	0.89	0.00	0.89
17.05	1.26	0.00	1.26	19.65	0.89	0.00	0.89
17.10	1.25	0.00	1.25	19.70	0.88	0.00	0.88
17.15	1.24	0.00	1.24	19.75	0.88	0.00	0.88
17.20	1.23	0.00	1.23	19.80	0.88	0.00	0.88
17.25	1.22	0.00	1.22	19.85	0.88	0.00	0.88
17.30	1.21	0.00	1.21	19.90	0.87	0.00	0.87
17.35	1.20	0.00	1.20	19.95	0.87	0.00	0.87
17.40	1.19	0.00	1.19	20.00	0.87	0.00	0.87
17.45	1.18	0.00	1.18	20.05	0.87	0.00	0.87
17.50	1.17	0.00	1.17	20.10	0.87	0.00	0.87
17.55	1.16	0.00	1.16	20.15	0.86	0.00	0.86
17.60	1.15	0.00	1.15	20.20	0.86	0.00	0.86
17.65	1.14	0.00	1.14	20.25	0.86	0.00	0.86
17.70	1.12	0.00	1.12	20.30	0.85	0.00	0.85
17.75	1.11	0.00	1.11	20.35	0.85	0.00	0.85
17.80	1.10	0.00	1.10	20.40	0.85	0.00	0.85
17.85	1.09	0.00	1.09	20.45	0.85	0.00	0.85
17.90	1.08	0.00	1.08	20.50	0.84	0.00	0.84
17.95	1.07	0.00	1.07	20.55	0.84	0.00	0.84
18.00	1.06	0.00	1.06	20.60	0.84	0.00	0.84
18.05	1.05	0.00	1.05	20.65	0.84	0.00	0.84
18.10	1.04	0.00	1.04	20.70	0.83	0.00	0.83
18.15	1.03	0.00	1.03	20.75	0.83	0.00	0.83

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.83	0.00	0.83	23.40	0.69	0.00	0.69
20.85	0.83	0.00	0.83	23.45	0.68	0.00	0.68
20.90	0.82	0.00	0.82	23.50	0.68	0.00	0.68
20.95	0.82	0.00	0.82	23.55	0.68	0.00	0.68
21.00	0.82	0.00	0.82	23.60	0.68	0.00	0.68
21.05	0.82	0.00	0.82	23.65	0.67	0.00	0.67
21.10	0.81	0.00	0.81	23.70	0.67	0.00	0.67
21.15	0.81	0.00	0.81	23.75	0.67	0.00	0.67
21.20	0.81	0.00	0.81	23.80	0.67	0.00	0.67
21.25	0.80	0.00	0.80	23.85	0.66	0.00	0.66
21.30	0.80	0.00	0.80	23.90	0.66	0.00	0.66
21.35	0.80	0.00	0.80	23.95	0.66	0.00	0.66
21.40	0.80	0.00	0.80	24.00	0.66	0.00	0.66
21.45	0.79	0.00	0.79	24.05	0.65	0.00	0.65
21.50	0.79	0.00	0.79	24.10	0.65	0.00	0.65
21.55	0.79	0.00	0.79	24.15	0.64	0.00	0.64
21.60	0.79	0.00	0.79	24.20	0.63	0.00	0.63
21.65	0.78	0.00	0.78	24.25	0.60	0.00	0.60
21.70	0.78	0.00	0.78	24.30	0.55	0.00	0.55
21.75	0.78	0.00	0.78	24.35	0.48	0.00	0.48
21.80	0.78	0.00	0.78	24.40	0.41	0.00	0.41
21.85	0.77	0.00	0.77	24.45	0.34	0.00	0.34
21.90	0.77	0.00	0.77	24.50	0.28	0.00	0.28
21.95	0.77	0.00	0.77	24.55	0.22	0.00	0.22
22.00	0.77	0.00	0.77	24.60	0.17	0.00	0.17
22.05	0.76	0.00	0.76	24.65	0.14	0.00	0.14
22.10	0.76	0.00	0.76	24.70	0.11	0.00	0.11
22.15	0.76	0.00	0.76	24.75	0.09	0.00	0.09
22.20	0.75	0.00	0.75	24.80	0.07	0.00	0.07
22.25	0.75	0.00	0.75	24.85	0.05	0.00	0.05
22.30	0.75	0.00	0.75	24.90	0.04	0.00	0.04
22.35	0.75	0.00	0.75	24.95	0.03	0.00	0.03
22.40	0.74	0.00	0.74	25.00	0.03	0.00	0.03
22.45	0.74	0.00	0.74	25.05	0.02	0.00	0.02
22.50	0.74	0.00	0.74	25.10	0.02	0.00	0.02
22.55	0.74	0.00	0.74	25.15	0.01	0.00	0.01
22.60	0.73	0.00	0.73	25.20	0.01	0.00	0.01
22.65	0.73	0.00	0.73	25.25	0.01	0.00	0.01
22.70	0.73	0.00	0.73	25.30	0.01	0.00	0.01
22.75	0.72	0.00	0.72	25.35	0.00	0.00	0.00
22.80	0.72	0.00	0.72	25.40	0.00	0.00	0.00
22.85	0.72	0.00	0.72	25.45	0.00	0.00	0.00
22.90	0.72	0.00	0.72	25.50	0.00	0.00	0.00
22.95	0.71	0.00	0.71	25.55	0.00	0.00	0.00
23.00	0.71	0.00	0.71	25.60	0.00	0.00	0.00
23.05	0.71	0.00	0.71	25.65	0.00	0.00	0.00
23.10	0.70	0.00	0.70	25.70	0.00	0.00	0.00
23.15	0.70	0.00	0.70	25.75	0.00	0.00	0.00
23.20	0.70	0.00	0.70	25.80	0.00	0.00	0.00
23.25	0.70	0.00	0.70	25.85	0.00	0.00	0.00
23.30	0.69	0.00	0.69	25.90	0.00	0.00	0.00
23.35	0.69	0.00	0.69	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

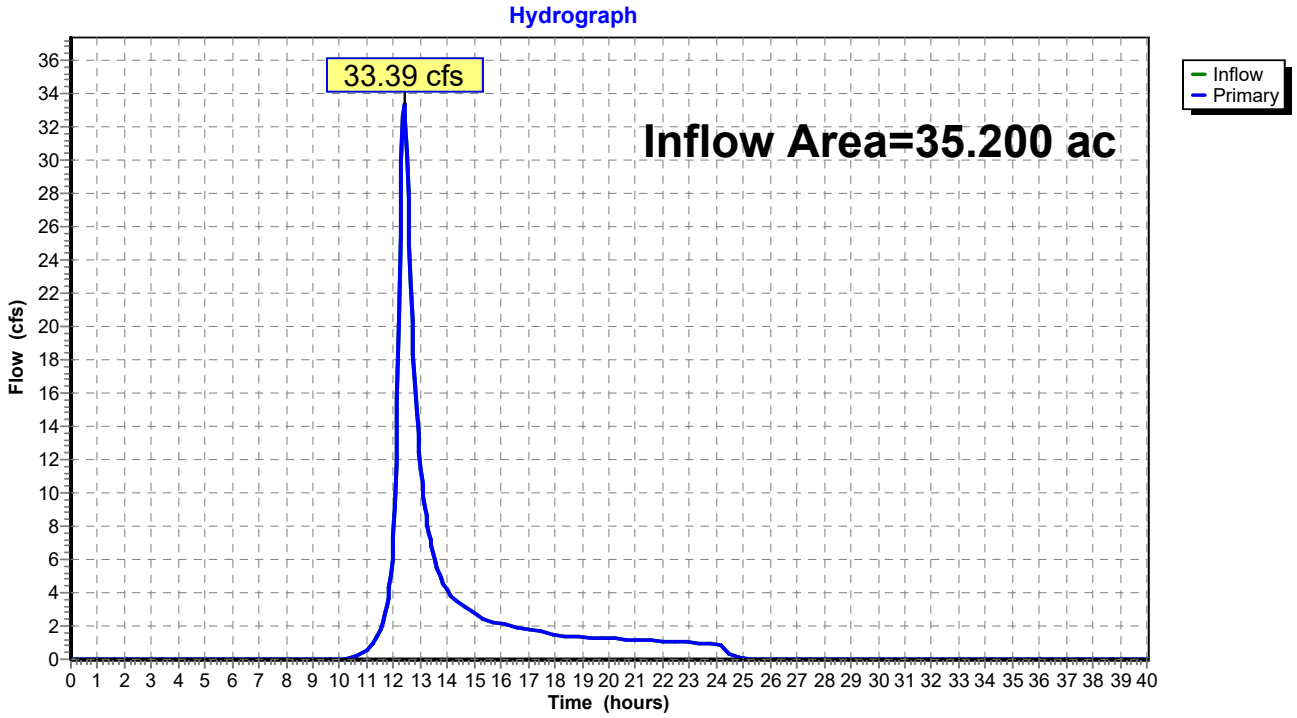
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 1.32" for Current 2 yr event
Inflow = 33.39 cfs @ 12.40 hrs, Volume= 3.872 af
Primary = 33.39 cfs @ 12.40 hrs, Volume= 3.872 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.01	0.00	0.01
7.60	0.00	0.00	0.00	10.20	0.01	0.00	0.01
7.65	0.00	0.00	0.00	10.25	0.02	0.00	0.02
7.70	0.00	0.00	0.00	10.30	0.03	0.00	0.03
7.75	0.00	0.00	0.00	10.35	0.05	0.00	0.05

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.07	0.00	0.07	13.00	11.38	0.00	11.38
10.45	0.09	0.00	0.09	13.05	10.54	0.00	10.54
10.50	0.11	0.00	0.11	13.10	9.82	0.00	9.82
10.55	0.14	0.00	0.14	13.15	9.19	0.00	9.19
10.60	0.17	0.00	0.17	13.20	8.61	0.00	8.61
10.65	0.20	0.00	0.20	13.25	8.09	0.00	8.09
10.70	0.23	0.00	0.23	13.30	7.62	0.00	7.62
10.75	0.27	0.00	0.27	13.35	7.20	0.00	7.20
10.80	0.31	0.00	0.31	13.40	6.81	0.00	6.81
10.85	0.36	0.00	0.36	13.45	6.47	0.00	6.47
10.90	0.41	0.00	0.41	13.50	6.14	0.00	6.14
10.95	0.47	0.00	0.47	13.55	5.85	0.00	5.85
11.00	0.53	0.00	0.53	13.60	5.58	0.00	5.58
11.05	0.60	0.00	0.60	13.65	5.33	0.00	5.33
11.10	0.67	0.00	0.67	13.70	5.10	0.00	5.10
11.15	0.76	0.00	0.76	13.75	4.87	0.00	4.87
11.20	0.85	0.00	0.85	13.80	4.67	0.00	4.67
11.25	0.95	0.00	0.95	13.85	4.49	0.00	4.49
11.30	1.07	0.00	1.07	13.90	4.33	0.00	4.33
11.35	1.20	0.00	1.20	13.95	4.19	0.00	4.19
11.40	1.35	0.00	1.35	14.00	4.07	0.00	4.07
11.45	1.51	0.00	1.51	14.05	3.97	0.00	3.97
11.50	1.68	0.00	1.68	14.10	3.88	0.00	3.88
11.55	1.88	0.00	1.88	14.15	3.80	0.00	3.80
11.60	2.10	0.00	2.10	14.20	3.73	0.00	3.73
11.65	2.37	0.00	2.37	14.25	3.66	0.00	3.66
11.70	2.71	0.00	2.71	14.30	3.59	0.00	3.59
11.75	3.13	0.00	3.13	14.35	3.53	0.00	3.53
11.80	3.65	0.00	3.65	14.40	3.47	0.00	3.47
11.85	4.27	0.00	4.27	14.45	3.41	0.00	3.41
11.90	5.04	0.00	5.04	14.50	3.35	0.00	3.35
11.95	6.03	0.00	6.03	14.55	3.29	0.00	3.29
12.00	7.37	0.00	7.37	14.60	3.24	0.00	3.24
12.05	9.21	0.00	9.21	14.65	3.18	0.00	3.18
12.10	11.89	0.00	11.89	14.70	3.12	0.00	3.12
12.15	15.66	0.00	15.66	14.75	3.07	0.00	3.07
12.20	20.40	0.00	20.40	14.80	3.01	0.00	3.01
12.25	25.54	0.00	25.54	14.85	2.96	0.00	2.96
12.30	29.95	0.00	29.95	14.90	2.90	0.00	2.90
12.35	32.64	0.00	32.64	14.95	2.84	0.00	2.84
12.40	**33.38**	0.00	**33.38**	15.00	2.79	0.00	2.79
12.45	32.50	0.00	32.50	15.05	2.73	0.00	2.73
12.50	30.46	0.00	30.46	15.10	2.67	0.00	2.67
12.55	27.74	0.00	27.74	15.15	2.62	0.00	2.62
12.60	24.94	0.00	24.94	15.20	2.56	0.00	2.56
12.65	22.47	0.00	22.47	15.25	2.50	0.00	2.50
12.70	20.30	0.00	20.30	15.30	2.45	0.00	2.45
12.75	18.31	0.00	18.31	15.35	2.41	0.00	2.41
12.80	16.52	0.00	16.52	15.40	2.36	0.00	2.36
12.85	14.94	0.00	14.94	15.45	2.33	0.00	2.33
12.90	13.56	0.00	13.56	15.50	2.30	0.00	2.30
12.95	12.38	0.00	12.38	15.55	2.27	0.00	2.27

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.25	0.00	2.25	18.20	1.43	0.00	1.43
15.65	2.22	0.00	2.22	18.25	1.41	0.00	1.41
15.70	2.21	0.00	2.21	18.30	1.40	0.00	1.40
15.75	2.19	0.00	2.19	18.35	1.39	0.00	1.39
15.80	2.17	0.00	2.17	18.40	1.38	0.00	1.38
15.85	2.15	0.00	2.15	18.45	1.37	0.00	1.37
15.90	2.14	0.00	2.14	18.50	1.36	0.00	1.36
15.95	2.12	0.00	2.12	18.55	1.35	0.00	1.35
16.00	2.10	0.00	2.10	18.60	1.34	0.00	1.34
16.05	2.09	0.00	2.09	18.65	1.34	0.00	1.34
16.10	2.07	0.00	2.07	18.70	1.33	0.00	1.33
16.15	2.06	0.00	2.06	18.75	1.33	0.00	1.33
16.20	2.04	0.00	2.04	18.80	1.32	0.00	1.32
16.25	2.03	0.00	2.03	18.85	1.32	0.00	1.32
16.30	2.01	0.00	2.01	18.90	1.31	0.00	1.31
16.35	2.00	0.00	2.00	18.95	1.31	0.00	1.31
16.40	1.98	0.00	1.98	19.00	1.31	0.00	1.31
16.45	1.97	0.00	1.97	19.05	1.30	0.00	1.30
16.50	1.95	0.00	1.95	19.10	1.30	0.00	1.30
16.55	1.94	0.00	1.94	19.15	1.29	0.00	1.29
16.60	1.92	0.00	1.92	19.20	1.29	0.00	1.29
16.65	1.91	0.00	1.91	19.25	1.29	0.00	1.29
16.70	1.89	0.00	1.89	19.30	1.28	0.00	1.28
16.75	1.88	0.00	1.88	19.35	1.28	0.00	1.28
16.80	1.86	0.00	1.86	19.40	1.28	0.00	1.28
16.85	1.85	0.00	1.85	19.45	1.27	0.00	1.27
16.90	1.83	0.00	1.83	19.50	1.27	0.00	1.27
16.95	1.82	0.00	1.82	19.55	1.26	0.00	1.26
17.00	1.80	0.00	1.80	19.60	1.26	0.00	1.26
17.05	1.79	0.00	1.79	19.65	1.26	0.00	1.26
17.10	1.77	0.00	1.77	19.70	1.25	0.00	1.25
17.15	1.76	0.00	1.76	19.75	1.25	0.00	1.25
17.20	1.74	0.00	1.74	19.80	1.25	0.00	1.25
17.25	1.73	0.00	1.73	19.85	1.24	0.00	1.24
17.30	1.71	0.00	1.71	19.90	1.24	0.00	1.24
17.35	1.70	0.00	1.70	19.95	1.24	0.00	1.24
17.40	1.68	0.00	1.68	20.00	1.23	0.00	1.23
17.45	1.66	0.00	1.66	20.05	1.23	0.00	1.23
17.50	1.65	0.00	1.65	20.10	1.23	0.00	1.23
17.55	1.63	0.00	1.63	20.15	1.22	0.00	1.22
17.60	1.62	0.00	1.62	20.20	1.22	0.00	1.22
17.65	1.60	0.00	1.60	20.25	1.21	0.00	1.21
17.70	1.59	0.00	1.59	20.30	1.21	0.00	1.21
17.75	1.57	0.00	1.57	20.35	1.20	0.00	1.20
17.80	1.56	0.00	1.56	20.40	1.20	0.00	1.20
17.85	1.54	0.00	1.54	20.45	1.20	0.00	1.20
17.90	1.52	0.00	1.52	20.50	1.19	0.00	1.19
17.95	1.51	0.00	1.51	20.55	1.19	0.00	1.19
18.00	1.49	0.00	1.49	20.60	1.19	0.00	1.19
18.05	1.48	0.00	1.48	20.65	1.18	0.00	1.18
18.10	1.46	0.00	1.46	20.70	1.18	0.00	1.18
18.15	1.44	0.00	1.44	20.75	1.17	0.00	1.17

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.17	0.00	1.17	23.40	0.96	0.00	0.96
20.85	1.17	0.00	1.17	23.45	0.96	0.00	0.96
20.90	1.16	0.00	1.16	23.50	0.96	0.00	0.96
20.95	1.16	0.00	1.16	23.55	0.95	0.00	0.95
21.00	1.16	0.00	1.16	23.60	0.95	0.00	0.95
21.05	1.15	0.00	1.15	23.65	0.95	0.00	0.95
21.10	1.15	0.00	1.15	23.70	0.94	0.00	0.94
21.15	1.14	0.00	1.14	23.75	0.94	0.00	0.94
21.20	1.14	0.00	1.14	23.80	0.93	0.00	0.93
21.25	1.14	0.00	1.14	23.85	0.93	0.00	0.93
21.30	1.13	0.00	1.13	23.90	0.93	0.00	0.93
21.35	1.13	0.00	1.13	23.95	0.92	0.00	0.92
21.40	1.12	0.00	1.12	24.00	0.92	0.00	0.92
21.45	1.12	0.00	1.12	24.05	0.92	0.00	0.92
21.50	1.12	0.00	1.12	24.10	0.92	0.00	0.92
21.55	1.11	0.00	1.11	24.15	0.91	0.00	0.91
21.60	1.11	0.00	1.11	24.20	0.86	0.00	0.86
21.65	1.11	0.00	1.11	24.25	0.78	0.00	0.78
21.70	1.10	0.00	1.10	24.30	0.67	0.00	0.67
21.75	1.10	0.00	1.10	24.35	0.55	0.00	0.55
21.80	1.09	0.00	1.09	24.40	0.44	0.00	0.44
21.85	1.09	0.00	1.09	24.45	0.33	0.00	0.33
21.90	1.08	0.00	1.08	24.50	0.25	0.00	0.25
21.95	1.08	0.00	1.08	24.55	0.19	0.00	0.19
22.00	1.08	0.00	1.08	24.60	0.14	0.00	0.14
22.05	1.07	0.00	1.07	24.65	0.11	0.00	0.11
22.10	1.07	0.00	1.07	24.70	0.08	0.00	0.08
22.15	1.07	0.00	1.07	24.75	0.06	0.00	0.06
22.20	1.06	0.00	1.06	24.80	0.05	0.00	0.05
22.25	1.06	0.00	1.06	24.85	0.04	0.00	0.04
22.30	1.05	0.00	1.05	24.90	0.03	0.00	0.03
22.35	1.05	0.00	1.05	24.95	0.02	0.00	0.02
22.40	1.05	0.00	1.05	25.00	0.01	0.00	0.01
22.45	1.04	0.00	1.04	25.05	0.01	0.00	0.01
22.50	1.04	0.00	1.04	25.10	0.01	0.00	0.01
22.55	1.03	0.00	1.03	25.15	0.01	0.00	0.01
22.60	1.03	0.00	1.03	25.20	0.00	0.00	0.00
22.65	1.03	0.00	1.03	25.25	0.00	0.00	0.00
22.70	1.02	0.00	1.02	25.30	0.00	0.00	0.00
22.75	1.02	0.00	1.02	25.35	0.00	0.00	0.00
22.80	1.01	0.00	1.01	25.40	0.00	0.00	0.00
22.85	1.01	0.00	1.01	25.45	0.00	0.00	0.00
22.90	1.01	0.00	1.01	25.50	0.00	0.00	0.00
22.95	1.00	0.00	1.00	25.55	0.00	0.00	0.00
23.00	1.00	0.00	1.00	25.60	0.00	0.00	0.00
23.05	0.99	0.00	0.99	25.65	0.00	0.00	0.00
23.10	0.99	0.00	0.99	25.70	0.00	0.00	0.00
23.15	0.99	0.00	0.99	25.75	0.00	0.00	0.00
23.20	0.98	0.00	0.98	25.80	0.00	0.00	0.00
23.25	0.98	0.00	0.98	25.85	0.00	0.00	0.00
23.30	0.97	0.00	0.97	25.90	0.00	0.00	0.00
23.35	0.97	0.00	0.97	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

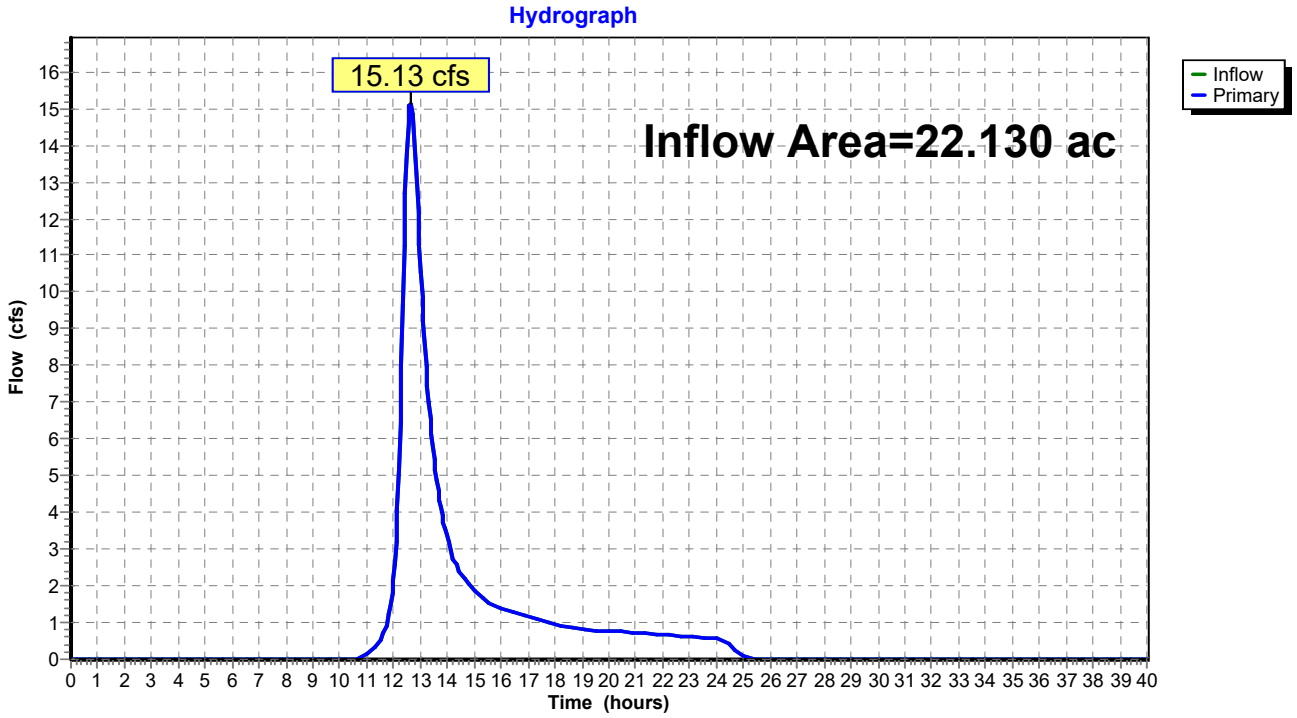
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 1.26" for Current 2 yr event
Inflow = 15.13 cfs @ 12.64 hrs, Volume= 2.319 af
Primary = 15.13 cfs @ 12.64 hrs, Volume= 2.319 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	10.54	0.00	10.54
10.45	0.00	0.00	0.00	13.05	9.81	0.00	9.81
10.50	0.00	0.00	0.00	13.10	9.15	0.00	9.15
10.55	0.01	0.00	0.01	13.15	8.53	0.00	8.53
10.60	0.01	0.00	0.01	13.20	7.97	0.00	7.97
10.65	0.02	0.00	0.02	13.25	7.44	0.00	7.44
10.70	0.02	0.00	0.02	13.30	6.97	0.00	6.97
10.75	0.03	0.00	0.03	13.35	6.53	0.00	6.53
10.80	0.04	0.00	0.04	13.40	6.14	0.00	6.14
10.85	0.06	0.00	0.06	13.45	5.78	0.00	5.78
10.90	0.07	0.00	0.07	13.50	5.45	0.00	5.45
10.95	0.09	0.00	0.09	13.55	5.14	0.00	5.14
11.00	0.11	0.00	0.11	13.60	4.86	0.00	4.86
11.05	0.13	0.00	0.13	13.65	4.60	0.00	4.60
11.10	0.16	0.00	0.16	13.70	4.36	0.00	4.36
11.15	0.19	0.00	0.19	13.75	4.14	0.00	4.14
11.20	0.22	0.00	0.22	13.80	3.93	0.00	3.93
11.25	0.26	0.00	0.26	13.85	3.74	0.00	3.74
11.30	0.30	0.00	0.30	13.90	3.56	0.00	3.56
11.35	0.34	0.00	0.34	13.95	3.40	0.00	3.40
11.40	0.39	0.00	0.39	14.00	3.25	0.00	3.25
11.45	0.45	0.00	0.45	14.05	3.12	0.00	3.12
11.50	0.52	0.00	0.52	14.10	2.99	0.00	2.99
11.55	0.59	0.00	0.59	14.15	2.88	0.00	2.88
11.60	0.67	0.00	0.67	14.20	2.78	0.00	2.78
11.65	0.76	0.00	0.76	14.25	2.69	0.00	2.69
11.70	0.86	0.00	0.86	14.30	2.60	0.00	2.60
11.75	0.99	0.00	0.99	14.35	2.53	0.00	2.53
11.80	1.14	0.00	1.14	14.40	2.46	0.00	2.46
11.85	1.32	0.00	1.32	14.45	2.39	0.00	2.39
11.90	1.54	0.00	1.54	14.50	2.33	0.00	2.33
11.95	1.80	0.00	1.80	14.55	2.28	0.00	2.28
12.00	2.15	0.00	2.15	14.60	2.22	0.00	2.22
12.05	2.60	0.00	2.60	14.65	2.18	0.00	2.18
12.10	3.21	0.00	3.21	14.70	2.13	0.00	2.13
12.15	4.05	0.00	4.05	14.75	2.09	0.00	2.09
12.20	5.13	0.00	5.13	14.80	2.05	0.00	2.05
12.25	6.46	0.00	6.46	14.85	2.01	0.00	2.01
12.30	7.99	0.00	7.99	14.90	1.97	0.00	1.97
12.35	9.65	0.00	9.65	14.95	1.93	0.00	1.93
12.40	11.27	0.00	11.27	15.00	1.89	0.00	1.89
12.45	12.71	0.00	12.71	15.05	1.86	0.00	1.86
12.50	13.85	0.00	13.85	15.10	1.82	0.00	1.82
12.55	14.61	0.00	14.61	15.15	1.79	0.00	1.79
12.60	15.06	0.00	15.06	15.20	1.75	0.00	1.75
12.65	**15.12**	0.00	**15.12**	15.25	1.71	0.00	1.71
12.70	14.93	0.00	14.93	15.30	1.68	0.00	1.68
12.75	14.46	0.00	14.46	15.35	1.64	0.00	1.64
12.80	13.82	0.00	13.82	15.40	1.61	0.00	1.61
12.85	13.00	0.00	13.00	15.45	1.58	0.00	1.58
12.90	12.17	0.00	12.17	15.50	1.55	0.00	1.55
12.95	11.32	0.00	11.32	15.55	1.52	0.00	1.52

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.50	0.00	1.50	18.20	0.92	0.00	0.92
15.65	1.47	0.00	1.47	18.25	0.92	0.00	0.92
15.70	1.45	0.00	1.45	18.30	0.91	0.00	0.91
15.75	1.43	0.00	1.43	18.35	0.90	0.00	0.90
15.80	1.41	0.00	1.41	18.40	0.89	0.00	0.89
15.85	1.40	0.00	1.40	18.45	0.88	0.00	0.88
15.90	1.38	0.00	1.38	18.50	0.87	0.00	0.87
15.95	1.37	0.00	1.37	18.55	0.86	0.00	0.86
16.00	1.35	0.00	1.35	18.60	0.86	0.00	0.86
16.05	1.34	0.00	1.34	18.65	0.85	0.00	0.85
16.10	1.33	0.00	1.33	18.70	0.84	0.00	0.84
16.15	1.32	0.00	1.32	18.75	0.84	0.00	0.84
16.20	1.31	0.00	1.31	18.80	0.83	0.00	0.83
16.25	1.30	0.00	1.30	18.85	0.83	0.00	0.83
16.30	1.29	0.00	1.29	18.90	0.82	0.00	0.82
16.35	1.27	0.00	1.27	18.95	0.82	0.00	0.82
16.40	1.27	0.00	1.27	19.00	0.82	0.00	0.82
16.45	1.25	0.00	1.25	19.05	0.81	0.00	0.81
16.50	1.25	0.00	1.25	19.10	0.81	0.00	0.81
16.55	1.24	0.00	1.24	19.15	0.81	0.00	0.81
16.60	1.23	0.00	1.23	19.20	0.81	0.00	0.81
16.65	1.22	0.00	1.22	19.25	0.80	0.00	0.80
16.70	1.21	0.00	1.21	19.30	0.80	0.00	0.80
16.75	1.20	0.00	1.20	19.35	0.80	0.00	0.80
16.80	1.19	0.00	1.19	19.40	0.79	0.00	0.79
16.85	1.18	0.00	1.18	19.45	0.79	0.00	0.79
16.90	1.17	0.00	1.17	19.50	0.79	0.00	0.79
16.95	1.16	0.00	1.16	19.55	0.79	0.00	0.79
17.00	1.15	0.00	1.15	19.60	0.78	0.00	0.78
17.05	1.14	0.00	1.14	19.65	0.78	0.00	0.78
17.10	1.13	0.00	1.13	19.70	0.78	0.00	0.78
17.15	1.12	0.00	1.12	19.75	0.78	0.00	0.78
17.20	1.11	0.00	1.11	19.80	0.78	0.00	0.78
17.25	1.10	0.00	1.10	19.85	0.77	0.00	0.77
17.30	1.10	0.00	1.10	19.90	0.77	0.00	0.77
17.35	1.09	0.00	1.09	19.95	0.77	0.00	0.77
17.40	1.08	0.00	1.08	20.00	0.77	0.00	0.77
17.45	1.07	0.00	1.07	20.05	0.76	0.00	0.76
17.50	1.06	0.00	1.06	20.10	0.76	0.00	0.76
17.55	1.05	0.00	1.05	20.15	0.76	0.00	0.76
17.60	1.04	0.00	1.04	20.20	0.76	0.00	0.76
17.65	1.03	0.00	1.03	20.25	0.75	0.00	0.75
17.70	1.02	0.00	1.02	20.30	0.75	0.00	0.75
17.75	1.01	0.00	1.01	20.35	0.75	0.00	0.75
17.80	1.00	0.00	1.00	20.40	0.75	0.00	0.75
17.85	0.99	0.00	0.99	20.45	0.75	0.00	0.75
17.90	0.98	0.00	0.98	20.50	0.74	0.00	0.74
17.95	0.97	0.00	0.97	20.55	0.74	0.00	0.74
18.00	0.96	0.00	0.96	20.60	0.74	0.00	0.74
18.05	0.95	0.00	0.95	20.65	0.74	0.00	0.74
18.10	0.94	0.00	0.94	20.70	0.73	0.00	0.73
18.15	0.94	0.00	0.94	20.75	0.73	0.00	0.73

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.73	0.00	0.73	23.40	0.60	0.00	0.60
20.85	0.73	0.00	0.73	23.45	0.60	0.00	0.60
20.90	0.72	0.00	0.72	23.50	0.60	0.00	0.60
20.95	0.72	0.00	0.72	23.55	0.60	0.00	0.60
21.00	0.72	0.00	0.72	23.60	0.60	0.00	0.60
21.05	0.72	0.00	0.72	23.65	0.59	0.00	0.59
21.10	0.72	0.00	0.72	23.70	0.59	0.00	0.59
21.15	0.71	0.00	0.71	23.75	0.59	0.00	0.59
21.20	0.71	0.00	0.71	23.80	0.59	0.00	0.59
21.25	0.71	0.00	0.71	23.85	0.58	0.00	0.58
21.30	0.71	0.00	0.71	23.90	0.58	0.00	0.58
21.35	0.70	0.00	0.70	23.95	0.58	0.00	0.58
21.40	0.70	0.00	0.70	24.00	0.58	0.00	0.58
21.45	0.70	0.00	0.70	24.05	0.57	0.00	0.57
21.50	0.70	0.00	0.70	24.10	0.57	0.00	0.57
21.55	0.69	0.00	0.69	24.15	0.57	0.00	0.57
21.60	0.69	0.00	0.69	24.20	0.56	0.00	0.56
21.65	0.69	0.00	0.69	24.25	0.55	0.00	0.55
21.70	0.69	0.00	0.69	24.30	0.53	0.00	0.53
21.75	0.69	0.00	0.69	24.35	0.51	0.00	0.51
21.80	0.68	0.00	0.68	24.40	0.48	0.00	0.48
21.85	0.68	0.00	0.68	24.45	0.44	0.00	0.44
21.90	0.68	0.00	0.68	24.50	0.40	0.00	0.40
21.95	0.68	0.00	0.68	24.55	0.36	0.00	0.36
22.00	0.67	0.00	0.67	24.60	0.31	0.00	0.31
22.05	0.67	0.00	0.67	24.65	0.27	0.00	0.27
22.10	0.67	0.00	0.67	24.70	0.23	0.00	0.23
22.15	0.67	0.00	0.67	24.75	0.20	0.00	0.20
22.20	0.66	0.00	0.66	24.80	0.17	0.00	0.17
22.25	0.66	0.00	0.66	24.85	0.14	0.00	0.14
22.30	0.66	0.00	0.66	24.90	0.12	0.00	0.12
22.35	0.66	0.00	0.66	24.95	0.10	0.00	0.10
22.40	0.65	0.00	0.65	25.00	0.08	0.00	0.08
22.45	0.65	0.00	0.65	25.05	0.07	0.00	0.07
22.50	0.65	0.00	0.65	25.10	0.06	0.00	0.06
22.55	0.65	0.00	0.65	25.15	0.05	0.00	0.05
22.60	0.64	0.00	0.64	25.20	0.04	0.00	0.04
22.65	0.64	0.00	0.64	25.25	0.04	0.00	0.04
22.70	0.64	0.00	0.64	25.30	0.03	0.00	0.03
22.75	0.64	0.00	0.64	25.35	0.03	0.00	0.03
22.80	0.63	0.00	0.63	25.40	0.02	0.00	0.02
22.85	0.63	0.00	0.63	25.45	0.02	0.00	0.02
22.90	0.63	0.00	0.63	25.50	0.02	0.00	0.02
22.95	0.63	0.00	0.63	25.55	0.01	0.00	0.01
23.00	0.62	0.00	0.62	25.60	0.01	0.00	0.01
23.05	0.62	0.00	0.62	25.65	0.01	0.00	0.01
23.10	0.62	0.00	0.62	25.70	0.01	0.00	0.01
23.15	0.62	0.00	0.62	25.75	0.01	0.00	0.01
23.20	0.61	0.00	0.61	25.80	0.01	0.00	0.01
23.25	0.61	0.00	0.61	25.85	0.00	0.00	0.00
23.30	0.61	0.00	0.61	25.90	0.00	0.00	0.00
23.35	0.61	0.00	0.61	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

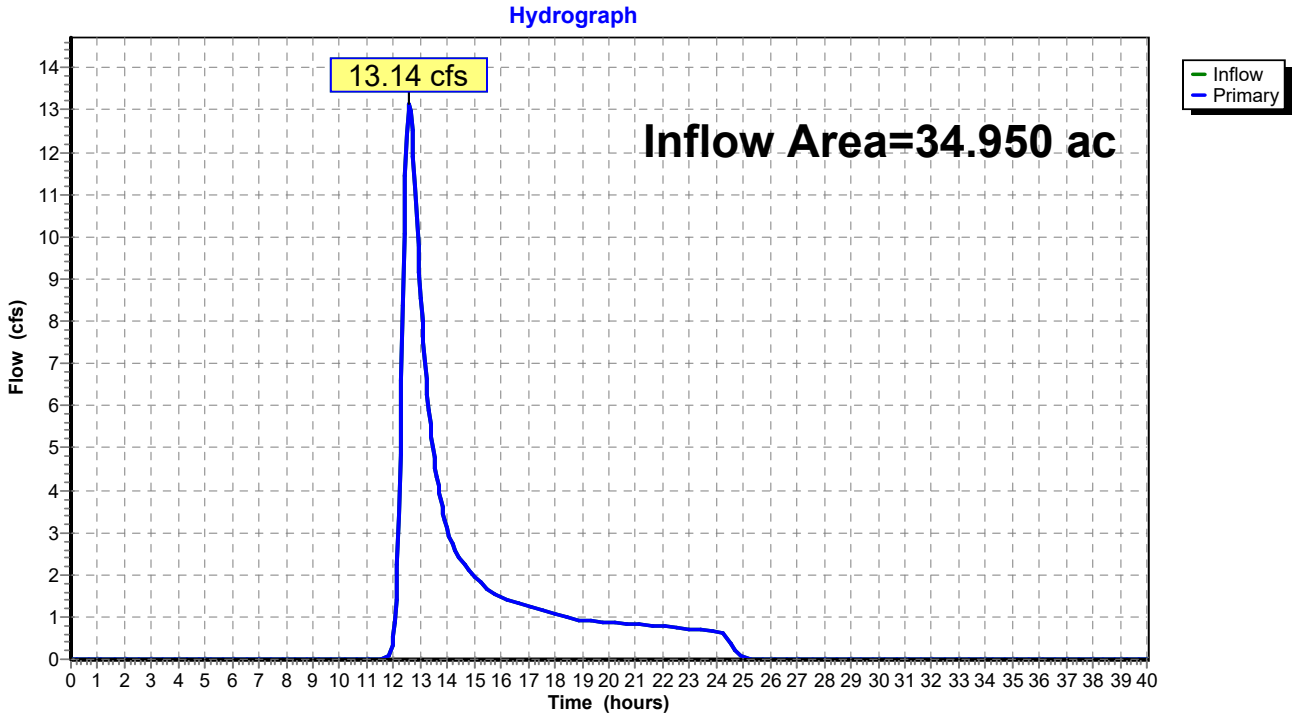
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 0.73" for Current 2 yr event
Inflow = 13.14 cfs @ 12.60 hrs, Volume= 2.116 af
Primary = 13.14 cfs @ 12.60 hrs, Volume= 2.116 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	8.56	0.00	8.56
10.45	0.00	0.00	0.00	13.05	8.01	0.00	8.01
10.50	0.00	0.00	0.00	13.10	7.51	0.00	7.51
10.55	0.00	0.00	0.00	13.15	7.04	0.00	7.04
10.60	0.00	0.00	0.00	13.20	6.62	0.00	6.62
10.65	0.00	0.00	0.00	13.25	6.24	0.00	6.24
10.70	0.00	0.00	0.00	13.30	5.89	0.00	5.89
10.75	0.00	0.00	0.00	13.35	5.57	0.00	5.57
10.80	0.00	0.00	0.00	13.40	5.28	0.00	5.28
10.85	0.00	0.00	0.00	13.45	5.01	0.00	5.01
10.90	0.00	0.00	0.00	13.50	4.76	0.00	4.76
10.95	0.00	0.00	0.00	13.55	4.53	0.00	4.53
11.00	0.00	0.00	0.00	13.60	4.32	0.00	4.32
11.05	0.00	0.00	0.00	13.65	4.11	0.00	4.11
11.10	0.00	0.00	0.00	13.70	3.93	0.00	3.93
11.15	0.00	0.00	0.00	13.75	3.75	0.00	3.75
11.20	0.00	0.00	0.00	13.80	3.59	0.00	3.59
11.25	0.00	0.00	0.00	13.85	3.44	0.00	3.44
11.30	0.00	0.00	0.00	13.90	3.30	0.00	3.30
11.35	0.00	0.00	0.00	13.95	3.17	0.00	3.17
11.40	0.00	0.00	0.00	14.00	3.05	0.00	3.05
11.45	0.00	0.00	0.00	14.05	2.94	0.00	2.94
11.50	0.00	0.00	0.00	14.10	2.84	0.00	2.84
11.55	0.00	0.00	0.00	14.15	2.76	0.00	2.76
11.60	0.00	0.00	0.00	14.20	2.68	0.00	2.68
11.65	0.00	0.00	0.00	14.25	2.61	0.00	2.61
11.70	0.01	0.00	0.01	14.30	2.55	0.00	2.55
11.75	0.03	0.00	0.03	14.35	2.50	0.00	2.50
11.80	0.06	0.00	0.06	14.40	2.45	0.00	2.45
11.85	0.11	0.00	0.11	14.45	2.40	0.00	2.40
11.90	0.20	0.00	0.20	14.50	2.36	0.00	2.36
11.95	0.34	0.00	0.34	14.55	2.32	0.00	2.32
12.00	0.55	0.00	0.55	14.60	2.28	0.00	2.28
12.05	0.89	0.00	0.89	14.65	2.24	0.00	2.24
12.10	1.43	0.00	1.43	14.70	2.20	0.00	2.20
12.15	2.24	0.00	2.24	14.75	2.16	0.00	2.16
12.20	3.38	0.00	3.38	14.80	2.12	0.00	2.12
12.25	4.86	0.00	4.86	14.85	2.09	0.00	2.09
12.30	6.58	0.00	6.58	14.90	2.05	0.00	2.05
12.35	8.39	0.00	8.39	14.95	2.01	0.00	2.01
12.40	10.09	0.00	10.09	15.00	1.98	0.00	1.98
12.45	11.46	0.00	11.46	15.05	1.94	0.00	1.94
12.50	12.43	0.00	12.43	15.10	1.90	0.00	1.90
12.55	12.96	0.00	12.96	15.15	1.87	0.00	1.87
12.60	**13.14**	0.00	**13.14**	15.20	1.83	0.00	1.83
12.65	12.96	0.00	12.96	15.25	1.79	0.00	1.79
12.70	12.53	0.00	12.53	15.30	1.76	0.00	1.76
12.75	11.91	0.00	11.91	15.35	1.72	0.00	1.72
12.80	11.19	0.00	11.19	15.40	1.69	0.00	1.69
12.85	10.47	0.00	10.47	15.45	1.66	0.00	1.66
12.90	9.79	0.00	9.79	15.50	1.63	0.00	1.63
12.95	9.15	0.00	9.15	15.55	1.61	0.00	1.61

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.59	0.00	1.59	18.20	1.02	0.00	1.02
15.65	1.57	0.00	1.57	18.25	1.01	0.00	1.01
15.70	1.55	0.00	1.55	18.30	1.00	0.00	1.00
15.75	1.53	0.00	1.53	18.35	0.99	0.00	0.99
15.80	1.51	0.00	1.51	18.40	0.98	0.00	0.98
15.85	1.50	0.00	1.50	18.45	0.97	0.00	0.97
15.90	1.49	0.00	1.49	18.50	0.97	0.00	0.97
15.95	1.47	0.00	1.47	18.55	0.96	0.00	0.96
16.00	1.46	0.00	1.46	18.60	0.95	0.00	0.95
16.05	1.45	0.00	1.45	18.65	0.95	0.00	0.95
16.10	1.44	0.00	1.44	18.70	0.94	0.00	0.94
16.15	1.43	0.00	1.43	18.75	0.94	0.00	0.94
16.20	1.42	0.00	1.42	18.80	0.93	0.00	0.93
16.25	1.41	0.00	1.41	18.85	0.93	0.00	0.93
16.30	1.40	0.00	1.40	18.90	0.93	0.00	0.93
16.35	1.39	0.00	1.39	18.95	0.92	0.00	0.92
16.40	1.38	0.00	1.38	19.00	0.92	0.00	0.92
16.45	1.37	0.00	1.37	19.05	0.92	0.00	0.92
16.50	1.36	0.00	1.36	19.10	0.91	0.00	0.91
16.55	1.35	0.00	1.35	19.15	0.91	0.00	0.91
16.60	1.34	0.00	1.34	19.20	0.91	0.00	0.91
16.65	1.33	0.00	1.33	19.25	0.91	0.00	0.91
16.70	1.32	0.00	1.32	19.30	0.90	0.00	0.90
16.75	1.31	0.00	1.31	19.35	0.90	0.00	0.90
16.80	1.30	0.00	1.30	19.40	0.90	0.00	0.90
16.85	1.29	0.00	1.29	19.45	0.90	0.00	0.90
16.90	1.29	0.00	1.29	19.50	0.89	0.00	0.89
16.95	1.27	0.00	1.27	19.55	0.89	0.00	0.89
17.00	1.27	0.00	1.27	19.60	0.89	0.00	0.89
17.05	1.26	0.00	1.26	19.65	0.89	0.00	0.89
17.10	1.25	0.00	1.25	19.70	0.88	0.00	0.88
17.15	1.24	0.00	1.24	19.75	0.88	0.00	0.88
17.20	1.23	0.00	1.23	19.80	0.88	0.00	0.88
17.25	1.22	0.00	1.22	19.85	0.88	0.00	0.88
17.30	1.21	0.00	1.21	19.90	0.87	0.00	0.87
17.35	1.20	0.00	1.20	19.95	0.87	0.00	0.87
17.40	1.19	0.00	1.19	20.00	0.87	0.00	0.87
17.45	1.18	0.00	1.18	20.05	0.87	0.00	0.87
17.50	1.17	0.00	1.17	20.10	0.87	0.00	0.87
17.55	1.16	0.00	1.16	20.15	0.86	0.00	0.86
17.60	1.15	0.00	1.15	20.20	0.86	0.00	0.86
17.65	1.14	0.00	1.14	20.25	0.86	0.00	0.86
17.70	1.13	0.00	1.13	20.30	0.86	0.00	0.86
17.75	1.12	0.00	1.12	20.35	0.85	0.00	0.85
17.80	1.11	0.00	1.11	20.40	0.85	0.00	0.85
17.85	1.10	0.00	1.10	20.45	0.85	0.00	0.85
17.90	1.09	0.00	1.09	20.50	0.85	0.00	0.85
17.95	1.07	0.00	1.07	20.55	0.84	0.00	0.84
18.00	1.07	0.00	1.07	20.60	0.84	0.00	0.84
18.05	1.05	0.00	1.05	20.65	0.84	0.00	0.84
18.10	1.04	0.00	1.04	20.70	0.84	0.00	0.84
18.15	1.03	0.00	1.03	20.75	0.83	0.00	0.83

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.83	0.00	0.83	23.40	0.70	0.00	0.70
20.85	0.83	0.00	0.83	23.45	0.69	0.00	0.69
20.90	0.83	0.00	0.83	23.50	0.69	0.00	0.69
20.95	0.82	0.00	0.82	23.55	0.69	0.00	0.69
21.00	0.82	0.00	0.82	23.60	0.69	0.00	0.69
21.05	0.82	0.00	0.82	23.65	0.68	0.00	0.68
21.10	0.82	0.00	0.82	23.70	0.68	0.00	0.68
21.15	0.81	0.00	0.81	23.75	0.68	0.00	0.68
21.20	0.81	0.00	0.81	23.80	0.68	0.00	0.68
21.25	0.81	0.00	0.81	23.85	0.67	0.00	0.67
21.30	0.81	0.00	0.81	23.90	0.67	0.00	0.67
21.35	0.80	0.00	0.80	23.95	0.67	0.00	0.67
21.40	0.80	0.00	0.80	24.00	0.66	0.00	0.66
21.45	0.80	0.00	0.80	24.05	0.66	0.00	0.66
21.50	0.80	0.00	0.80	24.10	0.66	0.00	0.66
21.55	0.79	0.00	0.79	24.15	0.66	0.00	0.66
21.60	0.79	0.00	0.79	24.20	0.65	0.00	0.65
21.65	0.79	0.00	0.79	24.25	0.63	0.00	0.63
21.70	0.79	0.00	0.79	24.30	0.60	0.00	0.60
21.75	0.78	0.00	0.78	24.35	0.55	0.00	0.55
21.80	0.78	0.00	0.78	24.40	0.50	0.00	0.50
21.85	0.78	0.00	0.78	24.45	0.44	0.00	0.44
21.90	0.78	0.00	0.78	24.50	0.38	0.00	0.38
21.95	0.77	0.00	0.77	24.55	0.32	0.00	0.32
22.00	0.77	0.00	0.77	24.60	0.27	0.00	0.27
22.05	0.77	0.00	0.77	24.65	0.22	0.00	0.22
22.10	0.77	0.00	0.77	24.70	0.18	0.00	0.18
22.15	0.76	0.00	0.76	24.75	0.15	0.00	0.15
22.20	0.76	0.00	0.76	24.80	0.12	0.00	0.12
22.25	0.76	0.00	0.76	24.85	0.10	0.00	0.10
22.30	0.76	0.00	0.76	24.90	0.08	0.00	0.08
22.35	0.75	0.00	0.75	24.95	0.07	0.00	0.07
22.40	0.75	0.00	0.75	25.00	0.05	0.00	0.05
22.45	0.75	0.00	0.75	25.05	0.04	0.00	0.04
22.50	0.75	0.00	0.75	25.10	0.04	0.00	0.04
22.55	0.74	0.00	0.74	25.15	0.03	0.00	0.03
22.60	0.74	0.00	0.74	25.20	0.02	0.00	0.02
22.65	0.74	0.00	0.74	25.25	0.02	0.00	0.02
22.70	0.73	0.00	0.73	25.30	0.02	0.00	0.02
22.75	0.73	0.00	0.73	25.35	0.01	0.00	0.01
22.80	0.73	0.00	0.73	25.40	0.01	0.00	0.01
22.85	0.73	0.00	0.73	25.45	0.01	0.00	0.01
22.90	0.72	0.00	0.72	25.50	0.01	0.00	0.01
22.95	0.72	0.00	0.72	25.55	0.01	0.00	0.01
23.00	0.72	0.00	0.72	25.60	0.00	0.00	0.00
23.05	0.72	0.00	0.72	25.65	0.00	0.00	0.00
23.10	0.71	0.00	0.71	25.70	0.00	0.00	0.00
23.15	0.71	0.00	0.71	25.75	0.00	0.00	0.00
23.20	0.71	0.00	0.71	25.80	0.00	0.00	0.00
23.25	0.71	0.00	0.71	25.85	0.00	0.00	0.00
23.30	0.70	0.00	0.70	25.90	0.00	0.00	0.00
23.35	0.70	0.00	0.70	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

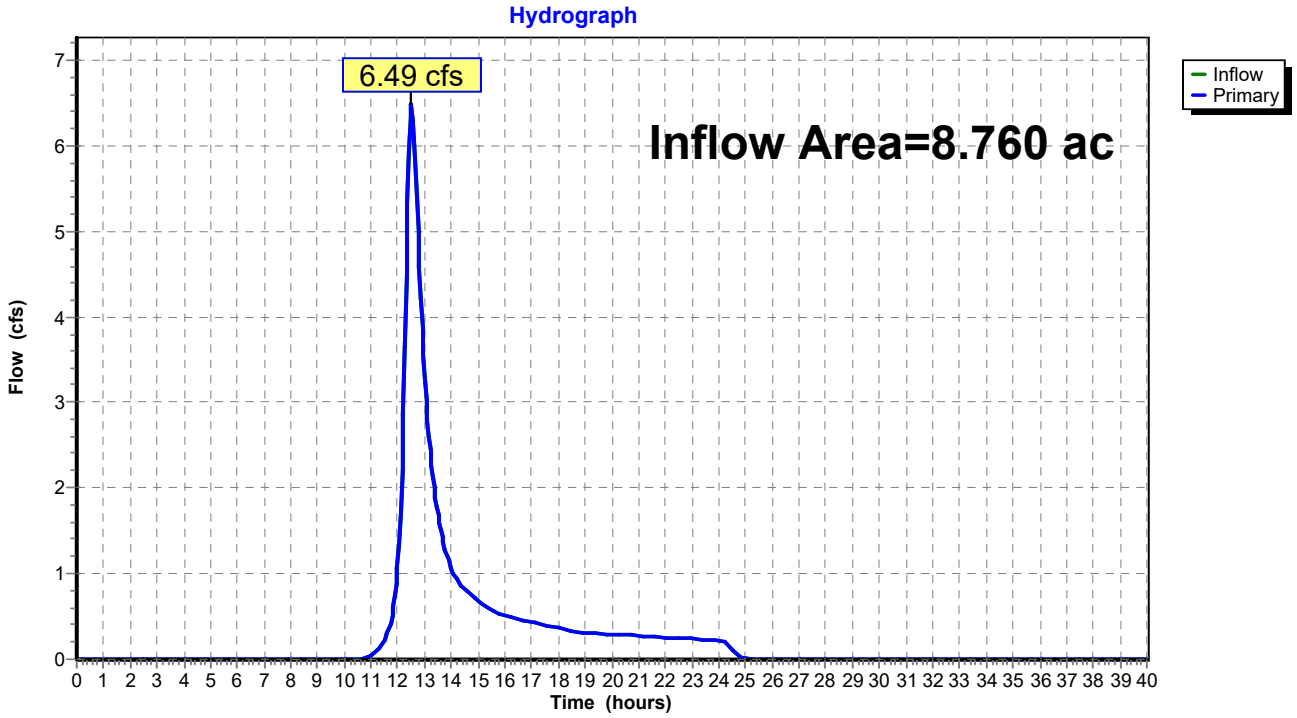
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 1.20" for Current 2 yr event
Inflow = 6.49 cfs @ 12.51 hrs, Volume= 0.874 af
Primary = 6.49 cfs @ 12.51 hrs, Volume= 0.874 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	3.27	0.00	3.27
10.45	0.00	0.00	0.00	13.05	3.02	0.00	3.02
10.50	0.00	0.00	0.00	13.10	2.80	0.00	2.80
10.55	0.00	0.00	0.00	13.15	2.60	0.00	2.60
10.60	0.00	0.00	0.00	13.20	2.43	0.00	2.43
10.65	0.00	0.00	0.00	13.25	2.27	0.00	2.27
10.70	0.00	0.00	0.00	13.30	2.13	0.00	2.13
10.75	0.01	0.00	0.01	13.35	2.00	0.00	2.00
10.80	0.01	0.00	0.01	13.40	1.89	0.00	1.89
10.85	0.01	0.00	0.01	13.45	1.78	0.00	1.78
10.90	0.02	0.00	0.02	13.50	1.69	0.00	1.69
10.95	0.03	0.00	0.03	13.55	1.60	0.00	1.60
11.00	0.03	0.00	0.03	13.60	1.52	0.00	1.52
11.05	0.04	0.00	0.04	13.65	1.44	0.00	1.44
11.10	0.05	0.00	0.05	13.70	1.37	0.00	1.37
11.15	0.07	0.00	0.07	13.75	1.31	0.00	1.31
11.20	0.08	0.00	0.08	13.80	1.25	0.00	1.25
11.25	0.10	0.00	0.10	13.85	1.19	0.00	1.19
11.30	0.12	0.00	0.12	13.90	1.14	0.00	1.14
11.35	0.14	0.00	0.14	13.95	1.09	0.00	1.09
11.40	0.16	0.00	0.16	14.00	1.05	0.00	1.05
11.45	0.19	0.00	0.19	14.05	1.01	0.00	1.01
11.50	0.21	0.00	0.21	14.10	0.98	0.00	0.98
11.55	0.25	0.00	0.25	14.15	0.95	0.00	0.95
11.60	0.28	0.00	0.28	14.20	0.93	0.00	0.93
11.65	0.33	0.00	0.33	14.25	0.91	0.00	0.91
11.70	0.38	0.00	0.38	14.30	0.89	0.00	0.89
11.75	0.44	0.00	0.44	14.35	0.87	0.00	0.87
11.80	0.52	0.00	0.52	14.40	0.85	0.00	0.85
11.85	0.61	0.00	0.61	14.45	0.84	0.00	0.84
11.90	0.73	0.00	0.73	14.50	0.82	0.00	0.82
11.95	0.88	0.00	0.88	14.55	0.81	0.00	0.81
12.00	1.07	0.00	1.07	14.60	0.79	0.00	0.79
12.05	1.33	0.00	1.33	14.65	0.78	0.00	0.78
12.10	1.69	0.00	1.69	14.70	0.76	0.00	0.76
12.15	2.20	0.00	2.20	14.75	0.75	0.00	0.75
12.20	2.86	0.00	2.86	14.80	0.74	0.00	0.74
12.25	3.65	0.00	3.65	14.85	0.72	0.00	0.72
12.30	4.51	0.00	4.51	14.90	0.71	0.00	0.71
12.35	5.31	0.00	5.31	14.95	0.70	0.00	0.70
12.40	5.94	0.00	5.94	15.00	0.68	0.00	0.68
12.45	6.32	0.00	6.32	15.05	0.67	0.00	0.67
12.50	**6.48**	0.00	**6.48**	15.10	0.66	0.00	0.66
12.55	6.42	0.00	6.42	15.15	0.64	0.00	0.64
12.60	6.20	0.00	6.20	15.20	0.63	0.00	0.63
12.65	5.85	0.00	5.85	15.25	0.62	0.00	0.62
12.70	5.43	0.00	5.43	15.30	0.60	0.00	0.60
12.75	4.99	0.00	4.99	15.35	0.59	0.00	0.59
12.80	4.59	0.00	4.59	15.40	0.58	0.00	0.58
12.85	4.21	0.00	4.21	15.45	0.57	0.00	0.57
12.90	3.87	0.00	3.87	15.50	0.56	0.00	0.56
12.95	3.56	0.00	3.56	15.55	0.55	0.00	0.55

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.54	0.00	0.54	18.20	0.34	0.00	0.34
15.65	0.54	0.00	0.54	18.25	0.34	0.00	0.34
15.70	0.53	0.00	0.53	18.30	0.34	0.00	0.34
15.75	0.53	0.00	0.53	18.35	0.33	0.00	0.33
15.80	0.52	0.00	0.52	18.40	0.33	0.00	0.33
15.85	0.52	0.00	0.52	18.45	0.33	0.00	0.33
15.90	0.51	0.00	0.51	18.50	0.33	0.00	0.33
15.95	0.51	0.00	0.51	18.55	0.32	0.00	0.32
16.00	0.50	0.00	0.50	18.60	0.32	0.00	0.32
16.05	0.50	0.00	0.50	18.65	0.32	0.00	0.32
16.10	0.50	0.00	0.50	18.70	0.32	0.00	0.32
16.15	0.49	0.00	0.49	18.75	0.32	0.00	0.32
16.20	0.49	0.00	0.49	18.80	0.31	0.00	0.31
16.25	0.48	0.00	0.48	18.85	0.31	0.00	0.31
16.30	0.48	0.00	0.48	18.90	0.31	0.00	0.31
16.35	0.48	0.00	0.48	18.95	0.31	0.00	0.31
16.40	0.47	0.00	0.47	19.00	0.31	0.00	0.31
16.45	0.47	0.00	0.47	19.05	0.31	0.00	0.31
16.50	0.47	0.00	0.47	19.10	0.31	0.00	0.31
16.55	0.46	0.00	0.46	19.15	0.31	0.00	0.31
16.60	0.46	0.00	0.46	19.20	0.31	0.00	0.31
16.65	0.46	0.00	0.46	19.25	0.31	0.00	0.31
16.70	0.45	0.00	0.45	19.30	0.30	0.00	0.30
16.75	0.45	0.00	0.45	19.35	0.30	0.00	0.30
16.80	0.45	0.00	0.45	19.40	0.30	0.00	0.30
16.85	0.44	0.00	0.44	19.45	0.30	0.00	0.30
16.90	0.44	0.00	0.44	19.50	0.30	0.00	0.30
16.95	0.44	0.00	0.44	19.55	0.30	0.00	0.30
17.00	0.43	0.00	0.43	19.60	0.30	0.00	0.30
17.05	0.43	0.00	0.43	19.65	0.30	0.00	0.30
17.10	0.42	0.00	0.42	19.70	0.30	0.00	0.30
17.15	0.42	0.00	0.42	19.75	0.30	0.00	0.30
17.20	0.42	0.00	0.42	19.80	0.30	0.00	0.30
17.25	0.41	0.00	0.41	19.85	0.29	0.00	0.29
17.30	0.41	0.00	0.41	19.90	0.29	0.00	0.29
17.35	0.41	0.00	0.41	19.95	0.29	0.00	0.29
17.40	0.40	0.00	0.40	20.00	0.29	0.00	0.29
17.45	0.40	0.00	0.40	20.05	0.29	0.00	0.29
17.50	0.40	0.00	0.40	20.10	0.29	0.00	0.29
17.55	0.39	0.00	0.39	20.15	0.29	0.00	0.29
17.60	0.39	0.00	0.39	20.20	0.29	0.00	0.29
17.65	0.39	0.00	0.39	20.25	0.29	0.00	0.29
17.70	0.38	0.00	0.38	20.30	0.29	0.00	0.29
17.75	0.38	0.00	0.38	20.35	0.29	0.00	0.29
17.80	0.37	0.00	0.37	20.40	0.29	0.00	0.29
17.85	0.37	0.00	0.37	20.45	0.28	0.00	0.28
17.90	0.37	0.00	0.37	20.50	0.28	0.00	0.28
17.95	0.36	0.00	0.36	20.55	0.28	0.00	0.28
18.00	0.36	0.00	0.36	20.60	0.28	0.00	0.28
18.05	0.36	0.00	0.36	20.65	0.28	0.00	0.28
18.10	0.35	0.00	0.35	20.70	0.28	0.00	0.28
18.15	0.35	0.00	0.35	20.75	0.28	0.00	0.28

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.28	0.00	0.28	23.40	0.23	0.00	0.23
20.85	0.28	0.00	0.28	23.45	0.23	0.00	0.23
20.90	0.28	0.00	0.28	23.50	0.23	0.00	0.23
20.95	0.28	0.00	0.28	23.55	0.23	0.00	0.23
21.00	0.27	0.00	0.27	23.60	0.23	0.00	0.23
21.05	0.27	0.00	0.27	23.65	0.23	0.00	0.23
21.10	0.27	0.00	0.27	23.70	0.22	0.00	0.22
21.15	0.27	0.00	0.27	23.75	0.22	0.00	0.22
21.20	0.27	0.00	0.27	23.80	0.22	0.00	0.22
21.25	0.27	0.00	0.27	23.85	0.22	0.00	0.22
21.30	0.27	0.00	0.27	23.90	0.22	0.00	0.22
21.35	0.27	0.00	0.27	23.95	0.22	0.00	0.22
21.40	0.27	0.00	0.27	24.00	0.22	0.00	0.22
21.45	0.27	0.00	0.27	24.05	0.22	0.00	0.22
21.50	0.27	0.00	0.27	24.10	0.22	0.00	0.22
21.55	0.26	0.00	0.26	24.15	0.22	0.00	0.22
21.60	0.26	0.00	0.26	24.20	0.21	0.00	0.21
21.65	0.26	0.00	0.26	24.25	0.20	0.00	0.20
21.70	0.26	0.00	0.26	24.30	0.19	0.00	0.19
21.75	0.26	0.00	0.26	24.35	0.17	0.00	0.17
21.80	0.26	0.00	0.26	24.40	0.15	0.00	0.15
21.85	0.26	0.00	0.26	24.45	0.13	0.00	0.13
21.90	0.26	0.00	0.26	24.50	0.11	0.00	0.11
21.95	0.26	0.00	0.26	24.55	0.09	0.00	0.09
22.00	0.26	0.00	0.26	24.60	0.07	0.00	0.07
22.05	0.26	0.00	0.26	24.65	0.06	0.00	0.06
22.10	0.25	0.00	0.25	24.70	0.05	0.00	0.05
22.15	0.25	0.00	0.25	24.75	0.04	0.00	0.04
22.20	0.25	0.00	0.25	24.80	0.03	0.00	0.03
22.25	0.25	0.00	0.25	24.85	0.02	0.00	0.02
22.30	0.25	0.00	0.25	24.90	0.02	0.00	0.02
22.35	0.25	0.00	0.25	24.95	0.02	0.00	0.02
22.40	0.25	0.00	0.25	25.00	0.01	0.00	0.01
22.45	0.25	0.00	0.25	25.05	0.01	0.00	0.01
22.50	0.25	0.00	0.25	25.10	0.01	0.00	0.01
22.55	0.25	0.00	0.25	25.15	0.01	0.00	0.01
22.60	0.25	0.00	0.25	25.20	0.01	0.00	0.01
22.65	0.24	0.00	0.24	25.25	0.00	0.00	0.00
22.70	0.24	0.00	0.24	25.30	0.00	0.00	0.00
22.75	0.24	0.00	0.24	25.35	0.00	0.00	0.00
22.80	0.24	0.00	0.24	25.40	0.00	0.00	0.00
22.85	0.24	0.00	0.24	25.45	0.00	0.00	0.00
22.90	0.24	0.00	0.24	25.50	0.00	0.00	0.00
22.95	0.24	0.00	0.24	25.55	0.00	0.00	0.00
23.00	0.24	0.00	0.24	25.60	0.00	0.00	0.00
23.05	0.24	0.00	0.24	25.65	0.00	0.00	0.00
23.10	0.24	0.00	0.24	25.70	0.00	0.00	0.00
23.15	0.24	0.00	0.24	25.75	0.00	0.00	0.00
23.20	0.23	0.00	0.23	25.80	0.00	0.00	0.00
23.25	0.23	0.00	0.23	25.85	0.00	0.00	0.00
23.30	0.23	0.00	0.23	25.90	0.00	0.00	0.00
23.35	0.23	0.00	0.23	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

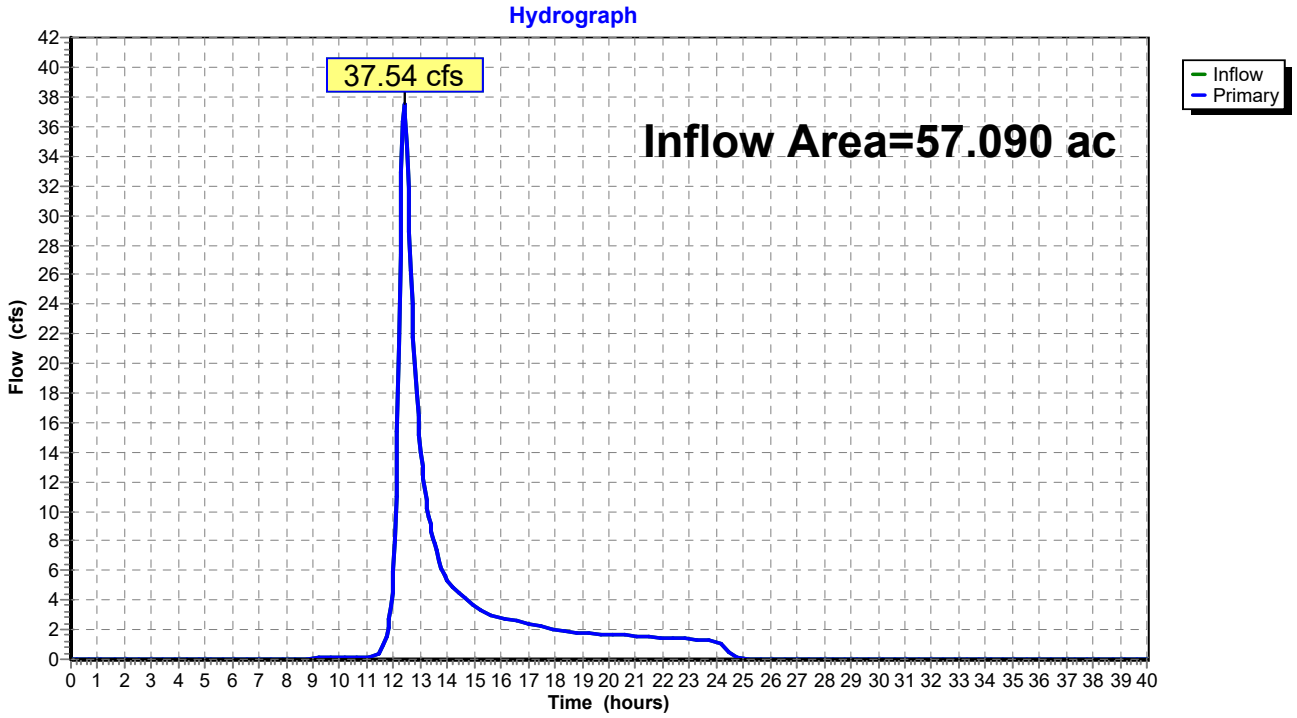
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 0.97" for Current 2 yr event
Inflow = 37.54 cfs @ 12.41 hrs, Volume= 4.618 af
Primary = 37.54 cfs @ 12.41 hrs, Volume= 4.618 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.02	0.00	0.02
2.15	0.01	0.00	0.01	4.75	0.02	0.00	0.02
2.20	0.01	0.00	0.01	4.80	0.02	0.00	0.02
2.25	0.01	0.00	0.01	4.85	0.02	0.00	0.02
2.30	0.01	0.00	0.01	4.90	0.02	0.00	0.02
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.05	0.00	0.05
5.70	0.03	0.00	0.03	8.30	0.05	0.00	0.05
5.75	0.03	0.00	0.03	8.35	0.05	0.00	0.05
5.80	0.03	0.00	0.03	8.40	0.05	0.00	0.05
5.85	0.03	0.00	0.03	8.45	0.05	0.00	0.05
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.03	0.00	0.03	9.00	0.06	0.00	0.06
6.45	0.03	0.00	0.03	9.05	0.06	0.00	0.06
6.50	0.03	0.00	0.03	9.10	0.06	0.00	0.06
6.55	0.03	0.00	0.03	9.15	0.06	0.00	0.06
6.60	0.03	0.00	0.03	9.20	0.06	0.00	0.06
6.65	0.04	0.00	0.04	9.25	0.06	0.00	0.06
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.07	0.00	0.07
6.85	0.04	0.00	0.04	9.45	0.07	0.00	0.07
6.90	0.04	0.00	0.04	9.50	0.07	0.00	0.07
6.95	0.04	0.00	0.04	9.55	0.07	0.00	0.07
7.00	0.04	0.00	0.04	9.60	0.07	0.00	0.07
7.05	0.04	0.00	0.04	9.65	0.08	0.00	0.08
7.10	0.04	0.00	0.04	9.70	0.08	0.00	0.08
7.15	0.04	0.00	0.04	9.75	0.08	0.00	0.08
7.20	0.04	0.00	0.04	9.80	0.08	0.00	0.08
7.25	0.04	0.00	0.04	9.85	0.08	0.00	0.08
7.30	0.04	0.00	0.04	9.90	0.09	0.00	0.09
7.35	0.04	0.00	0.04	9.95	0.09	0.00	0.09
7.40	0.04	0.00	0.04	10.00	0.09	0.00	0.09
7.45	0.04	0.00	0.04	10.05	0.09	0.00	0.09
7.50	0.04	0.00	0.04	10.10	0.09	0.00	0.09
7.55	0.04	0.00	0.04	10.15	0.09	0.00	0.09
7.60	0.05	0.00	0.05	10.20	0.10	0.00	0.10
7.65	0.05	0.00	0.05	10.25	0.10	0.00	0.10
7.70	0.05	0.00	0.05	10.30	0.10	0.00	0.10
7.75	0.05	0.00	0.05	10.35	0.10	0.00	0.10

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.10	0.00	0.10	13.00	13.96	0.00	13.96
10.45	0.11	0.00	0.11	13.05	13.00	0.00	13.00
10.50	0.11	0.00	0.11	13.10	12.18	0.00	12.18
10.55	0.11	0.00	0.11	13.15	11.44	0.00	11.44
10.60	0.11	0.00	0.11	13.20	10.77	0.00	10.77
10.65	0.11	0.00	0.11	13.25	10.16	0.00	10.16
10.70	0.12	0.00	0.12	13.30	9.60	0.00	9.60
10.75	0.12	0.00	0.12	13.35	9.10	0.00	9.10
10.80	0.12	0.00	0.12	13.40	8.63	0.00	8.63
10.85	0.13	0.00	0.13	13.45	8.21	0.00	8.21
10.90	0.13	0.00	0.13	13.50	7.82	0.00	7.82
10.95	0.14	0.00	0.14	13.55	7.47	0.00	7.47
11.00	0.15	0.00	0.15	13.60	7.14	0.00	7.14
11.05	0.15	0.00	0.15	13.65	6.84	0.00	6.84
11.10	0.16	0.00	0.16	13.70	6.54	0.00	6.54
11.15	0.17	0.00	0.17	13.75	6.27	0.00	6.27
11.20	0.18	0.00	0.18	13.80	6.01	0.00	6.01
11.25	0.19	0.00	0.19	13.85	5.78	0.00	5.78
11.30	0.21	0.00	0.21	13.90	5.58	0.00	5.58
11.35	0.25	0.00	0.25	13.95	5.41	0.00	5.41
11.40	0.30	0.00	0.30	14.00	5.27	0.00	5.27
11.45	0.38	0.00	0.38	14.05	5.14	0.00	5.14
11.50	0.48	0.00	0.48	14.10	5.03	0.00	5.03
11.55	0.62	0.00	0.62	14.15	4.93	0.00	4.93
11.60	0.79	0.00	0.79	14.20	4.84	0.00	4.84
11.65	1.01	0.00	1.01	14.25	4.76	0.00	4.76
11.70	1.30	0.00	1.30	14.30	4.68	0.00	4.68
11.75	1.68	0.00	1.68	14.35	4.60	0.00	4.60
11.80	2.15	0.00	2.15	14.40	4.53	0.00	4.53
11.85	2.75	0.00	2.75	14.45	4.45	0.00	4.45
11.90	3.51	0.00	3.51	14.50	4.38	0.00	4.38
11.95	4.52	0.00	4.52	14.55	4.31	0.00	4.31
12.00	5.93	0.00	5.93	14.60	4.23	0.00	4.23
12.05	7.94	0.00	7.94	14.65	4.16	0.00	4.16
12.10	10.98	0.00	10.98	14.70	4.09	0.00	4.09
12.15	15.40	0.00	15.40	14.75	4.02	0.00	4.02
12.20	21.11	0.00	21.11	14.80	3.95	0.00	3.95
12.25	27.38	0.00	27.38	14.85	3.88	0.00	3.88
12.30	32.91	0.00	32.91	14.90	3.80	0.00	3.80
12.35	36.35	0.00	36.35	14.95	3.73	0.00	3.73
12.40	**37.52**	0.00	**37.52**	15.00	3.66	0.00	3.66
12.45	36.84	0.00	36.84	15.05	3.59	0.00	3.59
12.50	34.75	0.00	34.75	15.10	3.51	0.00	3.51
12.55	31.89	0.00	31.89	15.15	3.44	0.00	3.44
12.60	28.93	0.00	28.93	15.20	3.37	0.00	3.37
12.65	26.34	0.00	26.34	15.25	3.29	0.00	3.29
12.70	23.99	0.00	23.99	15.30	3.23	0.00	3.23
12.75	21.80	0.00	21.80	15.35	3.17	0.00	3.17
12.80	19.79	0.00	19.79	15.40	3.12	0.00	3.12
12.85	18.01	0.00	18.01	15.45	3.07	0.00	3.07
12.90	16.45	0.00	16.45	15.50	3.03	0.00	3.03
12.95	15.11	0.00	15.11	15.55	3.00	0.00	3.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.97	0.00	2.97	18.20	1.92	0.00	1.92
15.65	2.94	0.00	2.94	18.25	1.90	0.00	1.90
15.70	2.92	0.00	2.92	18.30	1.88	0.00	1.88
15.75	2.89	0.00	2.89	18.35	1.86	0.00	1.86
15.80	2.87	0.00	2.87	18.40	1.85	0.00	1.85
15.85	2.85	0.00	2.85	18.45	1.83	0.00	1.83
15.90	2.83	0.00	2.83	18.50	1.82	0.00	1.82
15.95	2.81	0.00	2.81	18.55	1.81	0.00	1.81
16.00	2.79	0.00	2.79	18.60	1.80	0.00	1.80
16.05	2.77	0.00	2.77	18.65	1.80	0.00	1.80
16.10	2.75	0.00	2.75	18.70	1.79	0.00	1.79
16.15	2.73	0.00	2.73	18.75	1.78	0.00	1.78
16.20	2.71	0.00	2.71	18.80	1.78	0.00	1.78
16.25	2.69	0.00	2.69	18.85	1.77	0.00	1.77
16.30	2.68	0.00	2.68	18.90	1.77	0.00	1.77
16.35	2.66	0.00	2.66	18.95	1.76	0.00	1.76
16.40	2.64	0.00	2.64	19.00	1.76	0.00	1.76
16.45	2.62	0.00	2.62	19.05	1.75	0.00	1.75
16.50	2.60	0.00	2.60	19.10	1.75	0.00	1.75
16.55	2.58	0.00	2.58	19.15	1.74	0.00	1.74
16.60	2.56	0.00	2.56	19.20	1.74	0.00	1.74
16.65	2.54	0.00	2.54	19.25	1.73	0.00	1.73
16.70	2.52	0.00	2.52	19.30	1.73	0.00	1.73
16.75	2.50	0.00	2.50	19.35	1.72	0.00	1.72
16.80	2.48	0.00	2.48	19.40	1.72	0.00	1.72
16.85	2.46	0.00	2.46	19.45	1.71	0.00	1.71
16.90	2.44	0.00	2.44	19.50	1.71	0.00	1.71
16.95	2.42	0.00	2.42	19.55	1.71	0.00	1.71
17.00	2.40	0.00	2.40	19.60	1.70	0.00	1.70
17.05	2.38	0.00	2.38	19.65	1.70	0.00	1.70
17.10	2.36	0.00	2.36	19.70	1.69	0.00	1.69
17.15	2.35	0.00	2.35	19.75	1.69	0.00	1.69
17.20	2.33	0.00	2.33	19.80	1.68	0.00	1.68
17.25	2.31	0.00	2.31	19.85	1.68	0.00	1.68
17.30	2.29	0.00	2.29	19.90	1.67	0.00	1.67
17.35	2.27	0.00	2.27	19.95	1.67	0.00	1.67
17.40	2.25	0.00	2.25	20.00	1.66	0.00	1.66
17.45	2.22	0.00	2.22	20.05	1.66	0.00	1.66
17.50	2.20	0.00	2.20	20.10	1.66	0.00	1.66
17.55	2.18	0.00	2.18	20.15	1.65	0.00	1.65
17.60	2.16	0.00	2.16	20.20	1.64	0.00	1.64
17.65	2.14	0.00	2.14	20.25	1.64	0.00	1.64
17.70	2.12	0.00	2.12	20.30	1.63	0.00	1.63
17.75	2.10	0.00	2.10	20.35	1.63	0.00	1.63
17.80	2.08	0.00	2.08	20.40	1.62	0.00	1.62
17.85	2.06	0.00	2.06	20.45	1.62	0.00	1.62
17.90	2.04	0.00	2.04	20.50	1.61	0.00	1.61
17.95	2.02	0.00	2.02	20.55	1.61	0.00	1.61
18.00	2.00	0.00	2.00	20.60	1.60	0.00	1.60
18.05	1.98	0.00	1.98	20.65	1.60	0.00	1.60
18.10	1.96	0.00	1.96	20.70	1.59	0.00	1.59
18.15	1.94	0.00	1.94	20.75	1.59	0.00	1.59

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.59	0.00	1.59	23.40	1.31	0.00	1.31
20.85	1.58	0.00	1.58	23.45	1.31	0.00	1.31
20.90	1.58	0.00	1.58	23.50	1.30	0.00	1.30
20.95	1.57	0.00	1.57	23.55	1.30	0.00	1.30
21.00	1.57	0.00	1.57	23.60	1.29	0.00	1.29
21.05	1.56	0.00	1.56	23.65	1.29	0.00	1.29
21.10	1.55	0.00	1.55	23.70	1.28	0.00	1.28
21.15	1.55	0.00	1.55	23.75	1.28	0.00	1.28
21.20	1.54	0.00	1.54	23.80	1.27	0.00	1.27
21.25	1.54	0.00	1.54	23.85	1.27	0.00	1.27
21.30	1.53	0.00	1.53	23.90	1.26	0.00	1.26
21.35	1.53	0.00	1.53	23.95	1.26	0.00	1.26
21.40	1.52	0.00	1.52	24.00	1.25	0.00	1.25
21.45	1.52	0.00	1.52	24.05	1.26	0.00	1.26
21.50	1.52	0.00	1.52	24.10	1.25	0.00	1.25
21.55	1.51	0.00	1.51	24.15	1.23	0.00	1.23
21.60	1.50	0.00	1.50	24.20	1.17	0.00	1.17
21.65	1.50	0.00	1.50	24.25	1.05	0.00	1.05
21.70	1.49	0.00	1.49	24.30	0.90	0.00	0.90
21.75	1.49	0.00	1.49	24.35	0.74	0.00	0.74
21.80	1.48	0.00	1.48	24.40	0.58	0.00	0.58
21.85	1.48	0.00	1.48	24.45	0.44	0.00	0.44
21.90	1.47	0.00	1.47	24.50	0.33	0.00	0.33
21.95	1.47	0.00	1.47	24.55	0.25	0.00	0.25
22.00	1.46	0.00	1.46	24.60	0.19	0.00	0.19
22.05	1.46	0.00	1.46	24.65	0.14	0.00	0.14
22.10	1.45	0.00	1.45	24.70	0.11	0.00	0.11
22.15	1.45	0.00	1.45	24.75	0.08	0.00	0.08
22.20	1.44	0.00	1.44	24.80	0.06	0.00	0.06
22.25	1.44	0.00	1.44	24.85	0.05	0.00	0.05
22.30	1.43	0.00	1.43	24.90	0.03	0.00	0.03
22.35	1.43	0.00	1.43	24.95	0.03	0.00	0.03
22.40	1.42	0.00	1.42	25.00	0.02	0.00	0.02
22.45	1.42	0.00	1.42	25.05	0.01	0.00	0.01
22.50	1.41	0.00	1.41	25.10	0.01	0.00	0.01
22.55	1.41	0.00	1.41	25.15	0.01	0.00	0.01
22.60	1.40	0.00	1.40	25.20	0.01	0.00	0.01
22.65	1.39	0.00	1.39	25.25	0.00	0.00	0.00
22.70	1.39	0.00	1.39	25.30	0.00	0.00	0.00
22.75	1.38	0.00	1.38	25.35	0.00	0.00	0.00
22.80	1.38	0.00	1.38	25.40	0.00	0.00	0.00
22.85	1.37	0.00	1.37	25.45	0.00	0.00	0.00
22.90	1.37	0.00	1.37	25.50	0.00	0.00	0.00
22.95	1.36	0.00	1.36	25.55	0.00	0.00	0.00
23.00	1.36	0.00	1.36	25.60	0.00	0.00	0.00
23.05	1.35	0.00	1.35	25.65	0.00	0.00	0.00
23.10	1.35	0.00	1.35	25.70	0.00	0.00	0.00
23.15	1.34	0.00	1.34	25.75	0.00	0.00	0.00
23.20	1.34	0.00	1.34	25.80	0.00	0.00	0.00
23.25	1.33	0.00	1.33	25.85	0.00	0.00	0.00
23.30	1.33	0.00	1.33	25.90	0.00	0.00	0.00
23.35	1.32	0.00	1.32	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

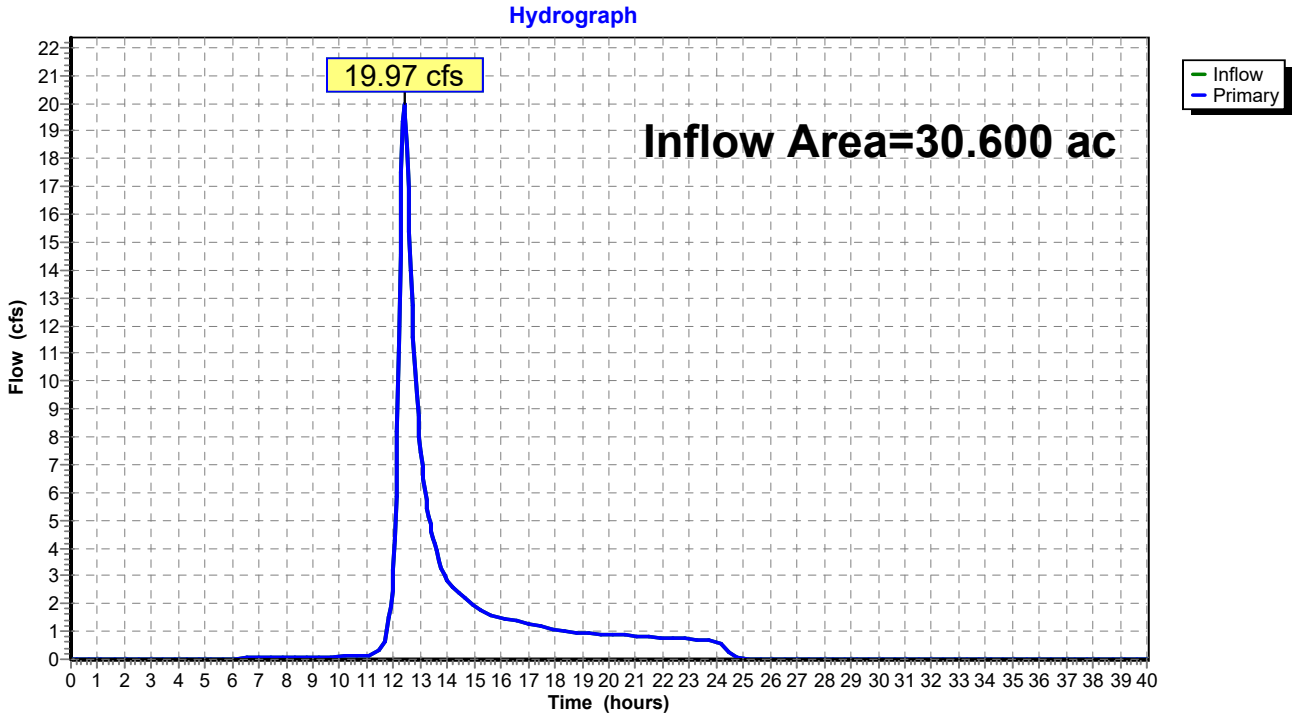
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.97" for Current 2 yr event
Inflow = 19.97 cfs @ 12.41 hrs, Volume= 2.477 af
Primary = 19.97 cfs @ 12.41 hrs, Volume= 2.477 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.02	0.00	0.02
2.15	0.01	0.00	0.01	4.75	0.02	0.00	0.02
2.20	0.01	0.00	0.01	4.80	0.02	0.00	0.02
2.25	0.01	0.00	0.01	4.85	0.02	0.00	0.02
2.30	0.01	0.00	0.01	4.90	0.02	0.00	0.02
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.05	0.00	0.05
5.70	0.03	0.00	0.03	8.30	0.05	0.00	0.05
5.75	0.03	0.00	0.03	8.35	0.05	0.00	0.05
5.80	0.03	0.00	0.03	8.40	0.05	0.00	0.05
5.85	0.03	0.00	0.03	8.45	0.05	0.00	0.05
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.03	0.00	0.03	9.00	0.06	0.00	0.06
6.45	0.03	0.00	0.03	9.05	0.06	0.00	0.06
6.50	0.03	0.00	0.03	9.10	0.06	0.00	0.06
6.55	0.03	0.00	0.03	9.15	0.06	0.00	0.06
6.60	0.03	0.00	0.03	9.20	0.06	0.00	0.06
6.65	0.04	0.00	0.04	9.25	0.06	0.00	0.06
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.07	0.00	0.07
6.85	0.04	0.00	0.04	9.45	0.07	0.00	0.07
6.90	0.04	0.00	0.04	9.50	0.07	0.00	0.07
6.95	0.04	0.00	0.04	9.55	0.07	0.00	0.07
7.00	0.04	0.00	0.04	9.60	0.07	0.00	0.07
7.05	0.04	0.00	0.04	9.65	0.08	0.00	0.08
7.10	0.04	0.00	0.04	9.70	0.08	0.00	0.08
7.15	0.04	0.00	0.04	9.75	0.08	0.00	0.08
7.20	0.04	0.00	0.04	9.80	0.08	0.00	0.08
7.25	0.04	0.00	0.04	9.85	0.08	0.00	0.08
7.30	0.04	0.00	0.04	9.90	0.09	0.00	0.09
7.35	0.04	0.00	0.04	9.95	0.09	0.00	0.09
7.40	0.04	0.00	0.04	10.00	0.09	0.00	0.09
7.45	0.04	0.00	0.04	10.05	0.09	0.00	0.09
7.50	0.04	0.00	0.04	10.10	0.09	0.00	0.09
7.55	0.04	0.00	0.04	10.15	0.09	0.00	0.09
7.60	0.05	0.00	0.05	10.20	0.10	0.00	0.10
7.65	0.05	0.00	0.05	10.25	0.10	0.00	0.10
7.70	0.05	0.00	0.05	10.30	0.10	0.00	0.10
7.75	0.05	0.00	0.05	10.35	0.10	0.00	0.10

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.10	0.00	0.10	13.00	7.42	0.00	7.42
10.45	0.11	0.00	0.11	13.05	6.92	0.00	6.92
10.50	0.11	0.00	0.11	13.10	6.48	0.00	6.48
10.55	0.11	0.00	0.11	13.15	6.08	0.00	6.08
10.60	0.11	0.00	0.11	13.20	5.73	0.00	5.73
10.65	0.11	0.00	0.11	13.25	5.40	0.00	5.40
10.70	0.12	0.00	0.12	13.30	5.11	0.00	5.11
10.75	0.12	0.00	0.12	13.35	4.84	0.00	4.84
10.80	0.12	0.00	0.12	13.40	4.59	0.00	4.59
10.85	0.13	0.00	0.13	13.45	4.37	0.00	4.37
10.90	0.13	0.00	0.13	13.50	4.16	0.00	4.16
10.95	0.14	0.00	0.14	13.55	3.97	0.00	3.97
11.00	0.15	0.00	0.15	13.60	3.80	0.00	3.80
11.05	0.15	0.00	0.15	13.65	3.64	0.00	3.64
11.10	0.16	0.00	0.16	13.70	3.48	0.00	3.48
11.15	0.17	0.00	0.17	13.75	3.33	0.00	3.33
11.20	0.17	0.00	0.17	13.80	3.20	0.00	3.20
11.25	0.18	0.00	0.18	13.85	3.08	0.00	3.08
11.30	0.19	0.00	0.19	13.90	2.97	0.00	2.97
11.35	0.21	0.00	0.21	13.95	2.88	0.00	2.88
11.40	0.23	0.00	0.23	14.00	2.80	0.00	2.80
11.45	0.26	0.00	0.26	14.05	2.74	0.00	2.74
11.50	0.31	0.00	0.31	14.10	2.68	0.00	2.68
11.55	0.38	0.00	0.38	14.15	2.62	0.00	2.62
11.60	0.46	0.00	0.46	14.20	2.58	0.00	2.58
11.65	0.58	0.00	0.58	14.25	2.53	0.00	2.53
11.70	0.73	0.00	0.73	14.30	2.49	0.00	2.49
11.75	0.93	0.00	0.93	14.35	2.45	0.00	2.45
11.80	1.18	0.00	1.18	14.40	2.41	0.00	2.41
11.85	1.49	0.00	1.49	14.45	2.37	0.00	2.37
11.90	1.90	0.00	1.90	14.50	2.33	0.00	2.33
11.95	2.44	0.00	2.44	14.55	2.29	0.00	2.29
12.00	3.19	0.00	3.19	14.60	2.25	0.00	2.25
12.05	4.25	0.00	4.25	14.65	2.22	0.00	2.22
12.10	5.87	0.00	5.87	14.70	2.18	0.00	2.18
12.15	8.22	0.00	8.22	14.75	2.14	0.00	2.14
12.20	11.25	0.00	11.25	14.80	2.10	0.00	2.10
12.25	14.59	0.00	14.59	14.85	2.06	0.00	2.06
12.30	17.52	0.00	17.52	14.90	2.02	0.00	2.02
12.35	19.35	0.00	19.35	14.95	1.99	0.00	1.99
12.40	**19.97**	0.00	**19.97**	15.00	1.95	0.00	1.95
12.45	19.60	0.00	19.60	15.05	1.91	0.00	1.91
12.50	18.49	0.00	18.49	15.10	1.87	0.00	1.87
12.55	16.97	0.00	16.97	15.15	1.83	0.00	1.83
12.60	15.39	0.00	15.39	15.20	1.79	0.00	1.79
12.65	14.01	0.00	14.01	15.25	1.75	0.00	1.75
12.70	12.76	0.00	12.76	15.30	1.72	0.00	1.72
12.75	11.60	0.00	11.60	15.35	1.69	0.00	1.69
12.80	10.53	0.00	10.53	15.40	1.66	0.00	1.66
12.85	9.58	0.00	9.58	15.45	1.63	0.00	1.63
12.90	8.75	0.00	8.75	15.50	1.61	0.00	1.61
12.95	8.03	0.00	8.03	15.55	1.59	0.00	1.59

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.58	0.00	1.58	18.20	1.02	0.00	1.02
15.65	1.56	0.00	1.56	18.25	1.01	0.00	1.01
15.70	1.55	0.00	1.55	18.30	1.00	0.00	1.00
15.75	1.54	0.00	1.54	18.35	0.99	0.00	0.99
15.80	1.53	0.00	1.53	18.40	0.98	0.00	0.98
15.85	1.52	0.00	1.52	18.45	0.98	0.00	0.98
15.90	1.51	0.00	1.51	18.50	0.97	0.00	0.97
15.95	1.49	0.00	1.49	18.55	0.96	0.00	0.96
16.00	1.48	0.00	1.48	18.60	0.96	0.00	0.96
16.05	1.47	0.00	1.47	18.65	0.96	0.00	0.96
16.10	1.46	0.00	1.46	18.70	0.95	0.00	0.95
16.15	1.45	0.00	1.45	18.75	0.95	0.00	0.95
16.20	1.44	0.00	1.44	18.80	0.95	0.00	0.95
16.25	1.43	0.00	1.43	18.85	0.94	0.00	0.94
16.30	1.42	0.00	1.42	18.90	0.94	0.00	0.94
16.35	1.41	0.00	1.41	18.95	0.94	0.00	0.94
16.40	1.40	0.00	1.40	19.00	0.94	0.00	0.94
16.45	1.39	0.00	1.39	19.05	0.93	0.00	0.93
16.50	1.38	0.00	1.38	19.10	0.93	0.00	0.93
16.55	1.37	0.00	1.37	19.15	0.93	0.00	0.93
16.60	1.36	0.00	1.36	19.20	0.93	0.00	0.93
16.65	1.35	0.00	1.35	19.25	0.92	0.00	0.92
16.70	1.34	0.00	1.34	19.30	0.92	0.00	0.92
16.75	1.33	0.00	1.33	19.35	0.92	0.00	0.92
16.80	1.32	0.00	1.32	19.40	0.92	0.00	0.92
16.85	1.31	0.00	1.31	19.45	0.91	0.00	0.91
16.90	1.30	0.00	1.30	19.50	0.91	0.00	0.91
16.95	1.29	0.00	1.29	19.55	0.91	0.00	0.91
17.00	1.28	0.00	1.28	19.60	0.91	0.00	0.91
17.05	1.27	0.00	1.27	19.65	0.90	0.00	0.90
17.10	1.26	0.00	1.26	19.70	0.90	0.00	0.90
17.15	1.25	0.00	1.25	19.75	0.90	0.00	0.90
17.20	1.24	0.00	1.24	19.80	0.90	0.00	0.90
17.25	1.23	0.00	1.23	19.85	0.89	0.00	0.89
17.30	1.22	0.00	1.22	19.90	0.89	0.00	0.89
17.35	1.21	0.00	1.21	19.95	0.89	0.00	0.89
17.40	1.19	0.00	1.19	20.00	0.89	0.00	0.89
17.45	1.18	0.00	1.18	20.05	0.88	0.00	0.88
17.50	1.17	0.00	1.17	20.10	0.88	0.00	0.88
17.55	1.16	0.00	1.16	20.15	0.88	0.00	0.88
17.60	1.15	0.00	1.15	20.20	0.88	0.00	0.88
17.65	1.14	0.00	1.14	20.25	0.87	0.00	0.87
17.70	1.13	0.00	1.13	20.30	0.87	0.00	0.87
17.75	1.12	0.00	1.12	20.35	0.87	0.00	0.87
17.80	1.11	0.00	1.11	20.40	0.86	0.00	0.86
17.85	1.10	0.00	1.10	20.45	0.86	0.00	0.86
17.90	1.09	0.00	1.09	20.50	0.86	0.00	0.86
17.95	1.08	0.00	1.08	20.55	0.86	0.00	0.86
18.00	1.06	0.00	1.06	20.60	0.85	0.00	0.85
18.05	1.05	0.00	1.05	20.65	0.85	0.00	0.85
18.10	1.04	0.00	1.04	20.70	0.85	0.00	0.85
18.15	1.03	0.00	1.03	20.75	0.85	0.00	0.85

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.84	0.00	0.84	23.40	0.70	0.00	0.70
20.85	0.84	0.00	0.84	23.45	0.70	0.00	0.70
20.90	0.84	0.00	0.84	23.50	0.69	0.00	0.69
20.95	0.84	0.00	0.84	23.55	0.69	0.00	0.69
21.00	0.83	0.00	0.83	23.60	0.69	0.00	0.69
21.05	0.83	0.00	0.83	23.65	0.69	0.00	0.69
21.10	0.83	0.00	0.83	23.70	0.68	0.00	0.68
21.15	0.82	0.00	0.82	23.75	0.68	0.00	0.68
21.20	0.82	0.00	0.82	23.80	0.68	0.00	0.68
21.25	0.82	0.00	0.82	23.85	0.67	0.00	0.67
21.30	0.82	0.00	0.82	23.90	0.67	0.00	0.67
21.35	0.81	0.00	0.81	23.95	0.67	0.00	0.67
21.40	0.81	0.00	0.81	24.00	0.67	0.00	0.67
21.45	0.81	0.00	0.81	24.05	0.67	0.00	0.67
21.50	0.81	0.00	0.81	24.10	0.67	0.00	0.67
21.55	0.80	0.00	0.80	24.15	0.66	0.00	0.66
21.60	0.80	0.00	0.80	24.20	0.62	0.00	0.62
21.65	0.80	0.00	0.80	24.25	0.56	0.00	0.56
21.70	0.80	0.00	0.80	24.30	0.48	0.00	0.48
21.75	0.79	0.00	0.79	24.35	0.39	0.00	0.39
21.80	0.79	0.00	0.79	24.40	0.31	0.00	0.31
21.85	0.79	0.00	0.79	24.45	0.24	0.00	0.24
21.90	0.78	0.00	0.78	24.50	0.18	0.00	0.18
21.95	0.78	0.00	0.78	24.55	0.13	0.00	0.13
22.00	0.78	0.00	0.78	24.60	0.10	0.00	0.10
22.05	0.78	0.00	0.78	24.65	0.08	0.00	0.08
22.10	0.77	0.00	0.77	24.70	0.06	0.00	0.06
22.15	0.77	0.00	0.77	24.75	0.04	0.00	0.04
22.20	0.77	0.00	0.77	24.80	0.03	0.00	0.03
22.25	0.76	0.00	0.76	24.85	0.02	0.00	0.02
22.30	0.76	0.00	0.76	24.90	0.02	0.00	0.02
22.35	0.76	0.00	0.76	24.95	0.01	0.00	0.01
22.40	0.76	0.00	0.76	25.00	0.01	0.00	0.01
22.45	0.75	0.00	0.75	25.05	0.01	0.00	0.01
22.50	0.75	0.00	0.75	25.10	0.01	0.00	0.01
22.55	0.75	0.00	0.75	25.15	0.00	0.00	0.00
22.60	0.75	0.00	0.75	25.20	0.00	0.00	0.00
22.65	0.74	0.00	0.74	25.25	0.00	0.00	0.00
22.70	0.74	0.00	0.74	25.30	0.00	0.00	0.00
22.75	0.74	0.00	0.74	25.35	0.00	0.00	0.00
22.80	0.73	0.00	0.73	25.40	0.00	0.00	0.00
22.85	0.73	0.00	0.73	25.45	0.00	0.00	0.00
22.90	0.73	0.00	0.73	25.50	0.00	0.00	0.00
22.95	0.73	0.00	0.73	25.55	0.00	0.00	0.00
23.00	0.72	0.00	0.72	25.60	0.00	0.00	0.00
23.05	0.72	0.00	0.72	25.65	0.00	0.00	0.00
23.10	0.72	0.00	0.72	25.70	0.00	0.00	0.00
23.15	0.71	0.00	0.71	25.75	0.00	0.00	0.00
23.20	0.71	0.00	0.71	25.80	0.00	0.00	0.00
23.25	0.71	0.00	0.71	25.85	0.00	0.00	0.00
23.30	0.71	0.00	0.71	25.90	0.00	0.00	0.00
23.35	0.70	0.00	0.70	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

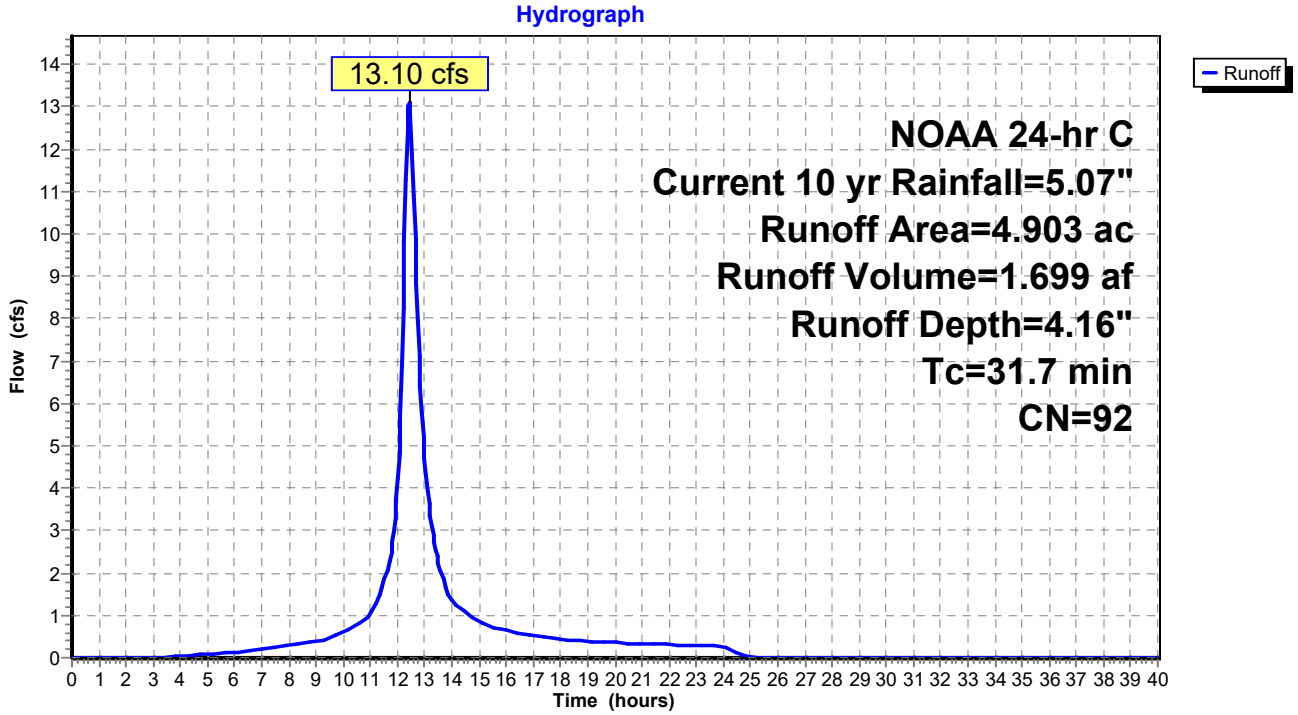
Runoff = 13.10 cfs @ 12.43 hrs, Volume= 1.699 af, Depth= 4.16"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.01
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.01
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.01
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.01
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.01
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.02
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.02
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.02
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.02
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.02
1.35	0.08	0.00	0.00	3.95	0.24	0.01	0.03
1.40	0.08	0.00	0.00	4.00	0.25	0.01	0.03
1.45	0.08	0.00	0.00	4.05	0.25	0.01	0.03
1.50	0.08	0.00	0.00	4.10	0.26	0.01	0.03
1.55	0.09	0.00	0.00	4.15	0.26	0.01	0.04
1.60	0.09	0.00	0.00	4.20	0.26	0.01	0.04
1.65	0.09	0.00	0.00	4.25	0.27	0.01	0.04
1.70	0.10	0.00	0.00	4.30	0.27	0.01	0.04
1.75	0.10	0.00	0.00	4.35	0.27	0.01	0.05
1.80	0.10	0.00	0.00	4.40	0.28	0.01	0.05
1.85	0.11	0.00	0.00	4.45	0.28	0.01	0.05
1.90	0.11	0.00	0.00	4.50	0.28	0.01	0.05
1.95	0.11	0.00	0.00	4.55	0.29	0.01	0.06
2.00	0.11	0.00	0.00	4.60	0.29	0.01	0.06
2.05	0.12	0.00	0.00	4.65	0.30	0.02	0.06
2.10	0.12	0.00	0.00	4.70	0.30	0.02	0.06
2.15	0.12	0.00	0.00	4.75	0.30	0.02	0.07
2.20	0.13	0.00	0.00	4.80	0.31	0.02	0.07
2.25	0.13	0.00	0.00	4.85	0.31	0.02	0.07
2.30	0.13	0.00	0.00	4.90	0.31	0.02	0.07
2.35	0.14	0.00	0.00	4.95	0.32	0.02	0.08
2.40	0.14	0.00	0.00	5.00	0.32	0.02	0.08
2.45	0.14	0.00	0.00	5.05	0.33	0.02	0.08
2.50	0.15	0.00	0.00	5.10	0.33	0.02	0.08
2.55	0.15	0.00	0.00	5.15	0.33	0.02	0.09

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.03	0.09	7.80	0.58	0.13	0.27
5.25	0.34	0.03	0.09	7.85	0.59	0.13	0.27
5.30	0.35	0.03	0.09	7.90	0.60	0.14	0.28
5.35	0.35	0.03	0.10	7.95	0.60	0.14	0.28
5.40	0.35	0.03	0.10	8.00	0.61	0.14	0.29
5.45	0.36	0.03	0.10	8.05	0.61	0.15	0.29
5.50	0.36	0.03	0.10	8.10	0.62	0.15	0.30
5.55	0.37	0.03	0.11	8.15	0.63	0.15	0.30
5.60	0.37	0.04	0.11	8.20	0.63	0.16	0.31
5.65	0.37	0.04	0.11	8.25	0.64	0.16	0.31
5.70	0.38	0.04	0.11	8.30	0.65	0.17	0.32
5.75	0.38	0.04	0.12	8.35	0.65	0.17	0.32
5.80	0.39	0.04	0.12	8.40	0.66	0.17	0.33
5.85	0.39	0.04	0.12	8.45	0.66	0.18	0.33
5.90	0.39	0.04	0.12	8.50	0.67	0.18	0.34
5.95	0.40	0.05	0.12	8.55	0.68	0.19	0.34
6.00	0.40	0.05	0.13	8.60	0.68	0.19	0.35
6.05	0.41	0.05	0.13	8.65	0.69	0.19	0.35
6.10	0.41	0.05	0.13	8.70	0.70	0.20	0.36
6.15	0.41	0.05	0.13	8.75	0.71	0.20	0.37
6.20	0.42	0.05	0.14	8.80	0.71	0.21	0.37
6.25	0.42	0.06	0.14	8.85	0.72	0.21	0.38
6.30	0.43	0.06	0.14	8.90	0.73	0.21	0.38
6.35	0.43	0.06	0.15	8.95	0.73	0.22	0.39
6.40	0.44	0.06	0.15	9.00	0.74	0.22	0.39
6.45	0.44	0.06	0.15	9.05	0.75	0.23	0.40
6.50	0.45	0.06	0.15	9.10	0.76	0.23	0.40
6.55	0.45	0.07	0.16	9.15	0.76	0.24	0.41
6.60	0.46	0.07	0.16	9.20	0.77	0.24	0.42
6.65	0.46	0.07	0.17	9.25	0.78	0.25	0.42
6.70	0.46	0.07	0.17	9.30	0.79	0.25	0.43
6.75	0.47	0.07	0.17	9.35	0.80	0.26	0.44
6.80	0.47	0.08	0.18	9.40	0.80	0.27	0.45
6.85	0.48	0.08	0.18	9.45	0.81	0.27	0.46
6.90	0.48	0.08	0.19	9.50	0.82	0.28	0.47
6.95	0.49	0.08	0.19	9.55	0.83	0.28	0.48
7.00	0.49	0.09	0.19	9.60	0.84	0.29	0.50
7.05	0.50	0.09	0.20	9.65	0.85	0.30	0.51
7.10	0.50	0.09	0.20	9.70	0.86	0.30	0.53
7.15	0.51	0.09	0.21	9.75	0.87	0.31	0.54
7.20	0.52	0.10	0.21	9.80	0.88	0.32	0.56
7.25	0.52	0.10	0.22	9.85	0.89	0.32	0.57
7.30	0.53	0.10	0.22	9.90	0.90	0.33	0.59
7.35	0.53	0.10	0.22	9.95	0.91	0.34	0.60
7.40	0.54	0.11	0.23	10.00	0.92	0.35	0.62
7.45	0.54	0.11	0.23	10.05	0.94	0.36	0.63
7.50	0.55	0.11	0.24	10.10	0.95	0.36	0.65
7.55	0.55	0.12	0.24	10.15	0.96	0.37	0.67
7.60	0.56	0.12	0.25	10.20	0.97	0.38	0.68
7.65	0.57	0.12	0.25	10.25	0.98	0.39	0.70
7.70	0.57	0.12	0.26	10.30	0.99	0.40	0.72
7.75	0.58	0.13	0.26	10.35	1.01	0.41	0.73

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.42	0.75	13.00	3.85	2.98	4.73
10.45	1.03	0.43	0.77	13.05	3.87	3.00	4.31
10.50	1.04	0.44	0.79	13.10	3.89	3.01	3.94
10.55	1.06	0.45	0.80	13.15	3.91	3.03	3.63
10.60	1.07	0.46	0.82	13.20	3.93	3.05	3.36
10.65	1.09	0.47	0.84	13.25	3.95	3.07	3.11
10.70	1.10	0.48	0.86	13.30	3.97	3.08	2.90
10.75	1.12	0.49	0.89	13.35	3.98	3.10	2.71
10.80	1.14	0.51	0.92	13.40	4.00	3.11	2.53
10.85	1.16	0.52	0.95	13.45	4.01	3.13	2.38
10.90	1.18	0.54	0.99	13.50	4.03	3.14	2.24
10.95	1.20	0.55	1.03	13.55	4.04	3.15	2.11
11.00	1.22	0.57	1.07	13.60	4.05	3.17	2.00
11.05	1.24	0.59	1.12	13.65	4.06	3.18	1.89
11.10	1.26	0.61	1.18	13.70	4.08	3.19	1.80
11.15	1.29	0.63	1.23	13.75	4.09	3.20	1.70
11.20	1.31	0.65	1.29	13.80	4.10	3.21	1.62
11.25	1.34	0.67	1.36	13.85	4.11	3.23	1.54
11.30	1.37	0.69	1.43	13.90	4.12	3.24	1.47
11.35	1.40	0.72	1.51	13.95	4.13	3.25	1.41
11.40	1.43	0.74	1.60	14.00	4.15	3.26	1.36
11.45	1.47	0.77	1.69	14.05	4.16	3.27	1.32
11.50	1.50	0.80	1.79	14.10	4.17	3.28	1.28
11.55	1.55	0.84	1.89	14.15	4.18	3.29	1.24
11.60	1.60	0.89	2.01	14.20	4.19	3.30	1.21
11.65	1.65	0.93	2.14	14.25	4.20	3.31	1.18
11.70	1.71	0.98	2.29	14.30	4.21	3.32	1.16
11.75	1.78	1.04	2.48	14.35	4.22	3.33	1.13
11.80	1.86	1.11	2.71	14.40	4.23	3.34	1.11
11.85	1.96	1.20	2.99	14.45	4.24	3.35	1.09
11.90	2.06	1.29	3.31	14.50	4.25	3.36	1.07
11.95	2.24	1.45	3.71	14.55	4.26	3.37	1.05
12.00	2.42	1.62	4.20	14.60	4.27	3.37	1.03
12.05	2.71	1.89	4.84	14.65	4.27	3.38	1.01
12.10	3.01	2.17	5.71	14.70	4.28	3.39	0.99
12.15	3.11	2.27	6.85	14.75	4.29	3.40	0.97
12.20	3.21	2.36	8.27	14.80	4.30	3.41	0.95
12.25	3.29	2.43	9.82	14.85	4.31	3.41	0.93
12.30	3.36	2.50	11.30	14.90	4.31	3.42	0.91
12.35	3.42	2.56	12.44	14.95	4.32	3.43	0.90
12.40	3.47	2.61	13.01	15.00	4.33	3.44	0.88
12.45	3.52	2.66	**13.06**	15.05	4.34	3.44	0.86
12.50	3.57	2.71	12.65	15.10	4.34	3.45	0.84
12.55	3.60	2.74	11.88	15.15	4.35	3.46	0.82
12.60	3.64	2.77	10.91	15.20	4.36	3.46	0.81
12.65	3.67	2.80	9.86	15.25	4.36	3.47	0.79
12.70	3.70	2.83	8.83	15.30	4.37	3.48	0.77
12.75	3.73	2.86	7.93	15.35	4.38	3.48	0.75
12.80	3.76	2.88	7.13	15.40	4.39	3.49	0.74
12.85	3.78	2.91	6.41	15.45	4.39	3.50	0.73
12.90	3.81	2.93	5.77	15.50	4.40	3.50	0.71
12.95	3.83	2.95	5.21	15.55	4.41	3.51	0.70

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	3.52	0.69	18.20	4.68	3.78	0.43
15.65	4.42	3.52	0.68	18.25	4.69	3.79	0.42
15.70	4.42	3.53	0.68	18.30	4.69	3.79	0.42
15.75	4.43	3.54	0.67	18.35	4.70	3.79	0.41
15.80	4.44	3.54	0.66	18.40	4.70	3.80	0.41
15.85	4.44	3.55	0.66	18.45	4.70	3.80	0.40
15.90	4.45	3.55	0.65	18.50	4.71	3.80	0.40
15.95	4.46	3.56	0.65	18.55	4.71	3.81	0.40
16.00	4.46	3.57	0.64	18.60	4.72	3.81	0.40
16.05	4.47	3.57	0.63	18.65	4.72	3.82	0.39
16.10	4.47	3.58	0.63	18.70	4.72	3.82	0.39
16.15	4.48	3.58	0.62	18.75	4.73	3.82	0.39
16.20	4.49	3.59	0.62	18.80	4.73	3.83	0.39
16.25	4.49	3.59	0.61	18.85	4.74	3.83	0.39
16.30	4.50	3.60	0.61	18.90	4.74	3.84	0.39
16.35	4.50	3.61	0.60	18.95	4.74	3.84	0.38
16.40	4.51	3.61	0.60	19.00	4.75	3.84	0.38
16.45	4.52	3.62	0.59	19.05	4.75	3.85	0.38
16.50	4.52	3.62	0.59	19.10	4.76	3.85	0.38
16.55	4.53	3.63	0.58	19.15	4.76	3.85	0.38
16.60	4.53	3.63	0.58	19.20	4.76	3.86	0.38
16.65	4.54	3.64	0.58	19.25	4.77	3.86	0.38
16.70	4.54	3.64	0.57	19.30	4.77	3.87	0.37
16.75	4.55	3.65	0.57	19.35	4.77	3.87	0.37
16.80	4.55	3.66	0.56	19.40	4.78	3.87	0.37
16.85	4.56	3.66	0.56	19.45	4.78	3.88	0.37
16.90	4.57	3.67	0.55	19.50	4.79	3.88	0.37
16.95	4.57	3.67	0.55	19.55	4.79	3.88	0.37
17.00	4.58	3.68	0.54	19.60	4.79	3.89	0.37
17.05	4.58	3.68	0.54	19.65	4.80	3.89	0.37
17.10	4.59	3.69	0.53	19.70	4.80	3.89	0.37
17.15	4.59	3.69	0.53	19.75	4.80	3.90	0.36
17.20	4.60	3.70	0.52	19.80	4.81	3.90	0.36
17.25	4.60	3.70	0.52	19.85	4.81	3.90	0.36
17.30	4.61	3.70	0.51	19.90	4.81	3.91	0.36
17.35	4.61	3.71	0.51	19.95	4.82	3.91	0.36
17.40	4.61	3.71	0.50	20.00	4.82	3.92	0.36
17.45	4.62	3.72	0.50	20.05	4.83	3.92	0.36
17.50	4.62	3.72	0.49	20.10	4.83	3.92	0.36
17.55	4.63	3.73	0.49	20.15	4.83	3.93	0.35
17.60	4.63	3.73	0.48	20.20	4.84	3.93	0.35
17.65	4.64	3.74	0.48	20.25	4.84	3.93	0.35
17.70	4.64	3.74	0.47	20.30	4.84	3.94	0.35
17.75	4.65	3.74	0.47	20.35	4.85	3.94	0.35
17.80	4.65	3.75	0.46	20.40	4.85	3.94	0.35
17.85	4.66	3.75	0.46	20.45	4.85	3.95	0.35
17.90	4.66	3.76	0.45	20.50	4.86	3.95	0.35
17.95	4.66	3.76	0.45	20.55	4.86	3.95	0.34
18.00	4.67	3.77	0.45	20.60	4.86	3.96	0.34
18.05	4.67	3.77	0.44	20.65	4.87	3.96	0.34
18.10	4.68	3.77	0.44	20.70	4.87	3.96	0.34
18.15	4.68	3.78	0.43	20.75	4.87	3.97	0.34

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	3.97	0.34	23.40	5.04	4.13	0.28
20.85	4.88	3.97	0.34	23.45	5.04	4.13	0.27
20.90	4.88	3.98	0.34	23.50	5.04	4.13	0.27
20.95	4.89	3.98	0.34	23.55	5.04	4.13	0.27
21.00	4.89	3.98	0.33	23.60	5.05	4.14	0.27
21.05	4.89	3.99	0.33	23.65	5.05	4.14	0.27
21.10	4.90	3.99	0.33	23.70	5.05	4.14	0.27
21.15	4.90	3.99	0.33	23.75	5.06	4.14	0.27
21.20	4.90	4.00	0.33	23.80	5.06	4.15	0.27
21.25	4.91	4.00	0.33	23.85	5.06	4.15	0.27
21.30	4.91	4.00	0.33	23.90	5.06	4.15	0.26
21.35	4.91	4.01	0.33	23.95	5.07	4.15	0.26
21.40	4.92	4.01	0.32	24.00	**5.07**	**4.16**	0.26
21.45	4.92	4.01	0.32	24.05	5.07	4.16	0.26
21.50	4.92	4.01	0.32	24.10	5.07	4.16	0.26
21.55	4.93	4.02	0.32	24.15	5.07	4.16	0.26
21.60	4.93	4.02	0.32	24.20	5.07	4.16	0.25
21.65	4.93	4.02	0.32	24.25	5.07	4.16	0.24
21.70	4.94	4.03	0.32	24.30	5.07	4.16	0.22
21.75	4.94	4.03	0.32	24.35	5.07	4.16	0.19
21.80	4.94	4.03	0.31	24.40	5.07	4.16	0.17
21.85	4.95	4.04	0.31	24.45	5.07	4.16	0.14
21.90	4.95	4.04	0.31	24.50	5.07	4.16	0.11
21.95	4.95	4.04	0.31	24.55	5.07	4.16	0.09
22.00	4.96	4.05	0.31	24.60	5.07	4.16	0.07
22.05	4.96	4.05	0.31	24.65	5.07	4.16	0.05
22.10	4.96	4.05	0.31	24.70	5.07	4.16	0.04
22.15	4.96	4.05	0.31	24.75	5.07	4.16	0.03
22.20	4.97	4.06	0.30	24.80	5.07	4.16	0.03
22.25	4.97	4.06	0.30	24.85	5.07	4.16	0.02
22.30	4.97	4.06	0.30	24.90	5.07	4.16	0.02
22.35	4.98	4.07	0.30	24.95	5.07	4.16	0.01
22.40	4.98	4.07	0.30	25.00	5.07	4.16	0.01
22.45	4.98	4.07	0.30	25.05	5.07	4.16	0.01
22.50	4.99	4.08	0.30	25.10	5.07	4.16	0.01
22.55	4.99	4.08	0.30	25.15	5.07	4.16	0.01
22.60	4.99	4.08	0.30	25.20	5.07	4.16	0.00
22.65	4.99	4.08	0.29	25.25	5.07	4.16	0.00
22.70	5.00	4.09	0.29	25.30	5.07	4.16	0.00
22.75	5.00	4.09	0.29	25.35	5.07	4.16	0.00
22.80	5.00	4.09	0.29	25.40	5.07	4.16	0.00
22.85	5.01	4.10	0.29	25.45	5.07	4.16	0.00
22.90	5.01	4.10	0.29	25.50	5.07	4.16	0.00
22.95	5.01	4.10	0.29	25.55	5.07	4.16	0.00
23.00	5.01	4.10	0.29	25.60	5.07	4.16	0.00
23.05	5.02	4.11	0.28	25.65	5.07	4.16	0.00
23.10	5.02	4.11	0.28	25.70	5.07	4.16	0.00
23.15	5.02	4.11	0.28	25.75	5.07	4.16	0.00
23.20	5.03	4.11	0.28	25.80	5.07	4.16	0.00
23.25	5.03	4.12	0.28	25.85	5.07	4.16	0.00
23.30	5.03	4.12	0.28	25.90	5.07	4.16	0.00
23.35	5.03	4.12	0.28	25.95	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.16	0.00	28.60	5.07	4.16	0.00
26.05	5.07	4.16	0.00	28.65	5.07	4.16	0.00
26.10	5.07	4.16	0.00	28.70	5.07	4.16	0.00
26.15	5.07	4.16	0.00	28.75	5.07	4.16	0.00
26.20	5.07	4.16	0.00	28.80	5.07	4.16	0.00
26.25	5.07	4.16	0.00	28.85	5.07	4.16	0.00
26.30	5.07	4.16	0.00	28.90	5.07	4.16	0.00
26.35	5.07	4.16	0.00	28.95	5.07	4.16	0.00
26.40	5.07	4.16	0.00	29.00	5.07	4.16	0.00
26.45	5.07	4.16	0.00	29.05	5.07	4.16	0.00
26.50	5.07	4.16	0.00	29.10	5.07	4.16	0.00
26.55	5.07	4.16	0.00	29.15	5.07	4.16	0.00
26.60	5.07	4.16	0.00	29.20	5.07	4.16	0.00
26.65	5.07	4.16	0.00	29.25	5.07	4.16	0.00
26.70	5.07	4.16	0.00	29.30	5.07	4.16	0.00
26.75	5.07	4.16	0.00	29.35	5.07	4.16	0.00
26.80	5.07	4.16	0.00	29.40	5.07	4.16	0.00
26.85	5.07	4.16	0.00	29.45	5.07	4.16	0.00
26.90	5.07	4.16	0.00	29.50	5.07	4.16	0.00
26.95	5.07	4.16	0.00	29.55	5.07	4.16	0.00
27.00	5.07	4.16	0.00	29.60	5.07	4.16	0.00
27.05	5.07	4.16	0.00	29.65	5.07	4.16	0.00
27.10	5.07	4.16	0.00	29.70	5.07	4.16	0.00
27.15	5.07	4.16	0.00	29.75	5.07	4.16	0.00
27.20	5.07	4.16	0.00	29.80	5.07	4.16	0.00
27.25	5.07	4.16	0.00	29.85	5.07	4.16	0.00
27.30	5.07	4.16	0.00	29.90	5.07	4.16	0.00
27.35	5.07	4.16	0.00	29.95	5.07	4.16	0.00
27.40	5.07	4.16	0.00	30.00	5.07	4.16	0.00
27.45	5.07	4.16	0.00	30.05	5.07	4.16	0.00
27.50	5.07	4.16	0.00	30.10	5.07	4.16	0.00
27.55	5.07	4.16	0.00	30.15	5.07	4.16	0.00
27.60	5.07	4.16	0.00	30.20	5.07	4.16	0.00
27.65	5.07	4.16	0.00	30.25	5.07	4.16	0.00
27.70	5.07	4.16	0.00	30.30	5.07	4.16	0.00
27.75	5.07	4.16	0.00	30.35	5.07	4.16	0.00
27.80	5.07	4.16	0.00	30.40	5.07	4.16	0.00
27.85	5.07	4.16	0.00	30.45	5.07	4.16	0.00
27.90	5.07	4.16	0.00	30.50	5.07	4.16	0.00
27.95	5.07	4.16	0.00	30.55	5.07	4.16	0.00
28.00	5.07	4.16	0.00	30.60	5.07	4.16	0.00
28.05	5.07	4.16	0.00	30.65	5.07	4.16	0.00
28.10	5.07	4.16	0.00	30.70	5.07	4.16	0.00
28.15	5.07	4.16	0.00	30.75	5.07	4.16	0.00
28.20	5.07	4.16	0.00	30.80	5.07	4.16	0.00
28.25	5.07	4.16	0.00	30.85	5.07	4.16	0.00
28.30	5.07	4.16	0.00	30.90	5.07	4.16	0.00
28.35	5.07	4.16	0.00	30.95	5.07	4.16	0.00
28.40	5.07	4.16	0.00	31.00	5.07	4.16	0.00
28.45	5.07	4.16	0.00	31.05	5.07	4.16	0.00
28.50	5.07	4.16	0.00	31.10	5.07	4.16	0.00
28.55	5.07	4.16	0.00	31.15	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.16	0.00	33.80	5.07	4.16	0.00
31.25	5.07	4.16	0.00	33.85	5.07	4.16	0.00
31.30	5.07	4.16	0.00	33.90	5.07	4.16	0.00
31.35	5.07	4.16	0.00	33.95	5.07	4.16	0.00
31.40	5.07	4.16	0.00	34.00	5.07	4.16	0.00
31.45	5.07	4.16	0.00	34.05	5.07	4.16	0.00
31.50	5.07	4.16	0.00	34.10	5.07	4.16	0.00
31.55	5.07	4.16	0.00	34.15	5.07	4.16	0.00
31.60	5.07	4.16	0.00	34.20	5.07	4.16	0.00
31.65	5.07	4.16	0.00	34.25	5.07	4.16	0.00
31.70	5.07	4.16	0.00	34.30	5.07	4.16	0.00
31.75	5.07	4.16	0.00	34.35	5.07	4.16	0.00
31.80	5.07	4.16	0.00	34.40	5.07	4.16	0.00
31.85	5.07	4.16	0.00	34.45	5.07	4.16	0.00
31.90	5.07	4.16	0.00	34.50	5.07	4.16	0.00
31.95	5.07	4.16	0.00	34.55	5.07	4.16	0.00
32.00	5.07	4.16	0.00	34.60	5.07	4.16	0.00
32.05	5.07	4.16	0.00	34.65	5.07	4.16	0.00
32.10	5.07	4.16	0.00	34.70	5.07	4.16	0.00
32.15	5.07	4.16	0.00	34.75	5.07	4.16	0.00
32.20	5.07	4.16	0.00	34.80	5.07	4.16	0.00
32.25	5.07	4.16	0.00	34.85	5.07	4.16	0.00
32.30	5.07	4.16	0.00	34.90	5.07	4.16	0.00
32.35	5.07	4.16	0.00	34.95	5.07	4.16	0.00
32.40	5.07	4.16	0.00	35.00	5.07	4.16	0.00
32.45	5.07	4.16	0.00	35.05	5.07	4.16	0.00
32.50	5.07	4.16	0.00	35.10	5.07	4.16	0.00
32.55	5.07	4.16	0.00	35.15	5.07	4.16	0.00
32.60	5.07	4.16	0.00	35.20	5.07	4.16	0.00
32.65	5.07	4.16	0.00	35.25	5.07	4.16	0.00
32.70	5.07	4.16	0.00	35.30	5.07	4.16	0.00
32.75	5.07	4.16	0.00	35.35	5.07	4.16	0.00
32.80	5.07	4.16	0.00	35.40	5.07	4.16	0.00
32.85	5.07	4.16	0.00	35.45	5.07	4.16	0.00
32.90	5.07	4.16	0.00	35.50	5.07	4.16	0.00
32.95	5.07	4.16	0.00	35.55	5.07	4.16	0.00
33.00	5.07	4.16	0.00	35.60	5.07	4.16	0.00
33.05	5.07	4.16	0.00	35.65	5.07	4.16	0.00
33.10	5.07	4.16	0.00	35.70	5.07	4.16	0.00
33.15	5.07	4.16	0.00	35.75	5.07	4.16	0.00
33.20	5.07	4.16	0.00	35.80	5.07	4.16	0.00
33.25	5.07	4.16	0.00	35.85	5.07	4.16	0.00
33.30	5.07	4.16	0.00	35.90	5.07	4.16	0.00
33.35	5.07	4.16	0.00	35.95	5.07	4.16	0.00
33.40	5.07	4.16	0.00	36.00	5.07	4.16	0.00
33.45	5.07	4.16	0.00	36.05	5.07	4.16	0.00
33.50	5.07	4.16	0.00	36.10	5.07	4.16	0.00
33.55	5.07	4.16	0.00	36.15	5.07	4.16	0.00
33.60	5.07	4.16	0.00	36.20	5.07	4.16	0.00
33.65	5.07	4.16	0.00	36.25	5.07	4.16	0.00
33.70	5.07	4.16	0.00	36.30	5.07	4.16	0.00
33.75	5.07	4.16	0.00	36.35	5.07	4.16	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.16	0.00
36.45	5.07	4.16	0.00
36.50	5.07	4.16	0.00
36.55	5.07	4.16	0.00
36.60	5.07	4.16	0.00
36.65	5.07	4.16	0.00
36.70	5.07	4.16	0.00
36.75	5.07	4.16	0.00
36.80	5.07	4.16	0.00
36.85	5.07	4.16	0.00
36.90	5.07	4.16	0.00
36.95	5.07	4.16	0.00
37.00	5.07	4.16	0.00
37.05	5.07	4.16	0.00
37.10	5.07	4.16	0.00
37.15	5.07	4.16	0.00
37.20	5.07	4.16	0.00
37.25	5.07	4.16	0.00
37.30	5.07	4.16	0.00
37.35	5.07	4.16	0.00
37.40	5.07	4.16	0.00
37.45	5.07	4.16	0.00
37.50	5.07	4.16	0.00
37.55	5.07	4.16	0.00
37.60	5.07	4.16	0.00
37.65	5.07	4.16	0.00
37.70	5.07	4.16	0.00
37.75	5.07	4.16	0.00
37.80	5.07	4.16	0.00
37.85	5.07	4.16	0.00
37.90	5.07	4.16	0.00
37.95	5.07	4.16	0.00
38.00	5.07	4.16	0.00
38.05	5.07	4.16	0.00
38.10	5.07	4.16	0.00
38.15	5.07	4.16	0.00
38.20	5.07	4.16	0.00
38.25	5.07	4.16	0.00
38.30	5.07	4.16	0.00
38.35	5.07	4.16	0.00
38.40	5.07	4.16	0.00
38.45	5.07	4.16	0.00
38.50	5.07	4.16	0.00
38.55	5.07	4.16	0.00
38.60	5.07	4.16	0.00
38.65	5.07	4.16	0.00
38.70	5.07	4.16	0.00
38.75	5.07	4.16	0.00
38.80	5.07	4.16	0.00
38.85	5.07	4.16	0.00
38.90	5.07	4.16	0.00
38.95	5.07	4.16	0.00
39.00	5.07	4.16	0.00
39.05	5.07	4.16	0.00
39.10	5.07	4.16	0.00
39.15	5.07	4.16	0.00
39.20	5.07	4.16	0.00
39.25	5.07	4.16	0.00
39.30	5.07	4.16	0.00
39.35	5.07	4.16	0.00
39.40	5.07	4.16	0.00
39.45	5.07	4.16	0.00
39.50	5.07	4.16	0.00
39.55	5.07	4.16	0.00
39.60	5.07	4.16	0.00
39.65	5.07	4.16	0.00
39.70	5.07	4.16	0.00
39.75	5.07	4.16	0.00
39.80	5.07	4.16	0.00
39.85	5.07	4.16	0.00
39.90	5.07	4.16	0.00
39.95	5.07	4.16	0.00
40.00	5.07	4.16	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

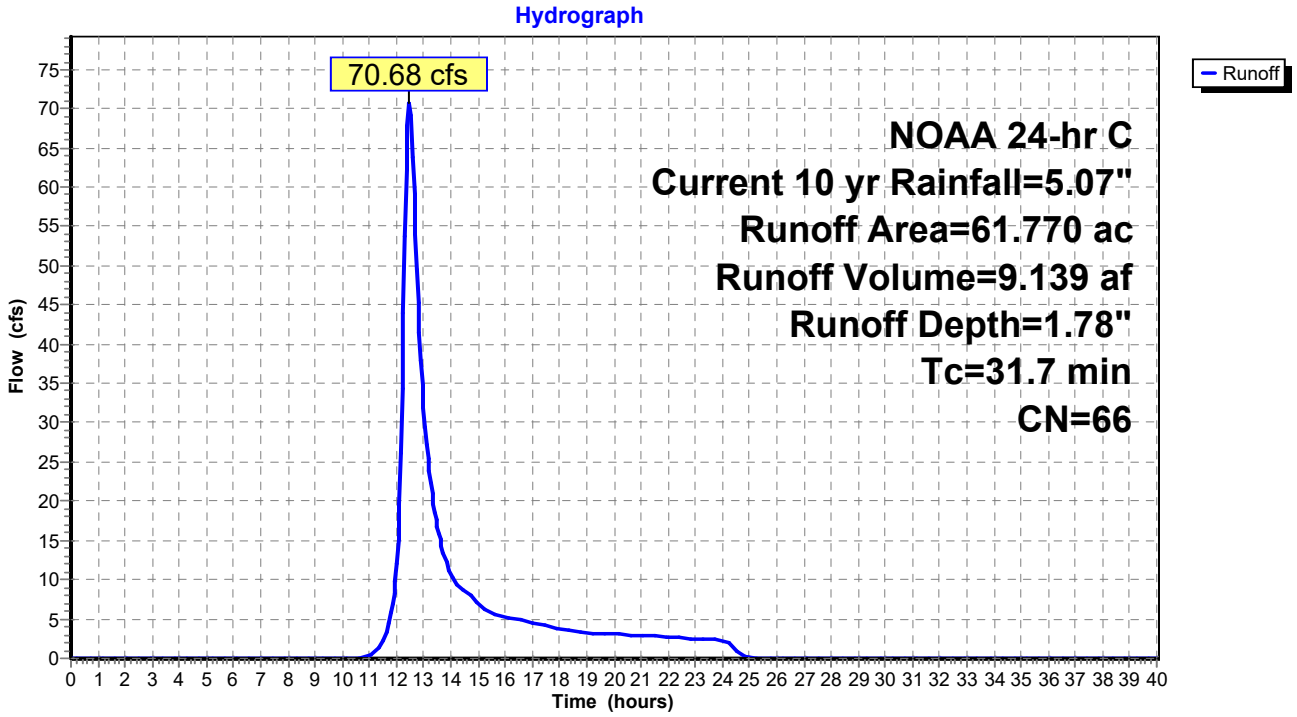
Runoff = 70.68 cfs @ 12.47 hrs, Volume= 9.139 af, Depth= 1.78"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	1.00	31.92
10.45	1.03	0.00	0.00	13.05	3.87	1.01	29.46
10.50	1.04	0.00	0.00	13.10	3.89	1.02	27.31
10.55	1.06	0.00	0.00	13.15	3.91	1.03	25.44
10.60	1.07	0.00	0.00	13.20	3.93	1.04	23.78
10.65	1.09	0.00	0.01	13.25	3.95	1.05	22.29
10.70	1.10	0.00	0.01	13.30	3.97	1.07	20.94
10.75	1.12	0.00	0.03	13.35	3.98	1.07	19.73
10.80	1.14	0.00	0.06	13.40	4.00	1.08	18.61
10.85	1.16	0.00	0.10	13.45	4.01	1.09	17.60
10.90	1.18	0.00	0.15	13.50	4.03	1.10	16.70
10.95	1.20	0.01	0.22	13.55	4.04	1.11	15.86
11.00	1.22	0.01	0.30	13.60	4.05	1.12	15.09
11.05	1.24	0.01	0.40	13.65	4.06	1.12	14.37
11.10	1.26	0.01	0.51	13.70	4.08	1.13	13.69
11.15	1.29	0.01	0.65	13.75	4.09	1.14	13.05
11.20	1.31	0.01	0.80	13.80	4.10	1.15	12.44
11.25	1.34	0.02	0.98	13.85	4.11	1.15	11.90
11.30	1.37	0.02	1.17	13.90	4.12	1.16	11.42
11.35	1.40	0.02	1.40	13.95	4.13	1.17	10.99
11.40	1.43	0.03	1.66	14.00	4.15	1.17	10.62
11.45	1.47	0.03	1.95	14.05	4.16	1.18	10.30
11.50	1.50	0.04	2.27	14.10	4.17	1.19	10.01
11.55	1.55	0.05	2.63	14.15	4.18	1.19	9.76
11.60	1.60	0.06	3.04	14.20	4.19	1.20	9.54
11.65	1.65	0.07	3.52	14.25	4.20	1.21	9.34
11.70	1.71	0.08	4.10	14.30	4.21	1.21	9.15
11.75	1.78	0.10	4.82	14.35	4.22	1.22	8.98
11.80	1.86	0.11	5.71	14.40	4.23	1.22	8.81
11.85	1.96	0.14	6.80	14.45	4.24	1.23	8.65
11.90	2.06	0.17	8.16	14.50	4.25	1.24	8.50
11.95	2.24	0.23	9.87	14.55	4.26	1.24	8.35
12.00	2.42	0.29	12.13	14.60	4.27	1.25	8.20
12.05	2.71	0.41	15.25	14.65	4.27	1.25	8.06
12.10	3.01	0.55	19.70	14.70	4.28	1.26	7.92
12.15	3.11	0.60	26.01	14.75	4.29	1.26	7.78
12.20	3.21	0.65	34.29	14.80	4.30	1.27	7.64
12.25	3.29	0.69	43.93	14.85	4.31	1.27	7.50
12.30	3.36	0.73	53.77	14.90	4.31	1.28	7.36
12.35	3.42	0.75	62.24	14.95	4.32	1.28	7.22
12.40	3.47	0.78	67.81	15.00	4.33	1.29	7.08
12.45	3.52	0.81	**70.41**	15.05	4.34	1.29	6.95
12.50	3.57	0.84	70.24	15.10	4.34	1.30	6.81
12.55	3.60	0.86	67.81	15.15	4.35	1.30	6.66
12.60	3.64	0.88	63.85	15.20	4.36	1.31	6.53
12.65	3.67	0.89	59.04	15.25	4.36	1.31	6.39
12.70	3.70	0.91	54.01	15.30	4.37	1.31	6.26
12.75	3.73	0.93	49.42	15.35	4.38	1.32	6.13
12.80	3.76	0.94	45.23	15.40	4.39	1.32	6.02
12.85	3.78	0.96	41.37	15.45	4.39	1.33	5.92
12.90	3.81	0.97	37.85	15.50	4.40	1.33	5.82
12.95	3.83	0.99	34.69	15.55	4.41	1.34	5.74

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.34	5.67	18.20	4.68	1.52	3.61
15.65	4.42	1.34	5.60	18.25	4.69	1.52	3.57
15.70	4.42	1.35	5.55	18.30	4.69	1.52	3.53
15.75	4.43	1.35	5.49	18.35	4.70	1.52	3.50
15.80	4.44	1.36	5.44	18.40	4.70	1.53	3.47
15.85	4.44	1.36	5.40	18.45	4.70	1.53	3.44
15.90	4.45	1.36	5.35	18.50	4.71	1.53	3.41
15.95	4.46	1.37	5.31	18.55	4.71	1.53	3.39
16.00	4.46	1.37	5.27	18.60	4.72	1.54	3.37
16.05	4.47	1.38	5.23	18.65	4.72	1.54	3.35
16.10	4.47	1.38	5.19	18.70	4.72	1.54	3.34
16.15	4.48	1.38	5.15	18.75	4.73	1.55	3.32
16.20	4.49	1.39	5.11	18.80	4.73	1.55	3.31
16.25	4.49	1.39	5.08	18.85	4.74	1.55	3.30
16.30	4.50	1.40	5.04	18.90	4.74	1.55	3.29
16.35	4.50	1.40	5.00	18.95	4.74	1.56	3.27
16.40	4.51	1.40	4.97	19.00	4.75	1.56	3.26
16.45	4.52	1.41	4.93	19.05	4.75	1.56	3.25
16.50	4.52	1.41	4.89	19.10	4.76	1.56	3.24
16.55	4.53	1.41	4.86	19.15	4.76	1.57	3.23
16.60	4.53	1.42	4.82	19.20	4.76	1.57	3.22
16.65	4.54	1.42	4.78	19.25	4.77	1.57	3.21
16.70	4.54	1.42	4.74	19.30	4.77	1.57	3.20
16.75	4.55	1.43	4.71	19.35	4.77	1.58	3.20
16.80	4.55	1.43	4.67	19.40	4.78	1.58	3.19
16.85	4.56	1.43	4.63	19.45	4.78	1.58	3.18
16.90	4.57	1.44	4.60	19.50	4.79	1.58	3.17
16.95	4.57	1.44	4.56	19.55	4.79	1.59	3.16
17.00	4.58	1.45	4.52	19.60	4.79	1.59	3.15
17.05	4.58	1.45	4.49	19.65	4.80	1.59	3.14
17.10	4.59	1.45	4.45	19.70	4.80	1.59	3.13
17.15	4.59	1.46	4.41	19.75	4.80	1.60	3.12
17.20	4.60	1.46	4.37	19.80	4.81	1.60	3.11
17.25	4.60	1.46	4.34	19.85	4.81	1.60	3.10
17.30	4.61	1.46	4.30	19.90	4.81	1.60	3.10
17.35	4.61	1.47	4.26	19.95	4.82	1.61	3.09
17.40	4.61	1.47	4.22	20.00	4.82	1.61	3.08
17.45	4.62	1.47	4.19	20.05	4.83	1.61	3.07
17.50	4.62	1.48	4.15	20.10	4.83	1.61	3.06
17.55	4.63	1.48	4.11	20.15	4.83	1.61	3.05
17.60	4.63	1.48	4.07	20.20	4.84	1.62	3.04
17.65	4.64	1.49	4.03	20.25	4.84	1.62	3.03
17.70	4.64	1.49	3.99	20.30	4.84	1.62	3.02
17.75	4.65	1.49	3.95	20.35	4.85	1.62	3.01
17.80	4.65	1.49	3.92	20.40	4.85	1.63	3.00
17.85	4.66	1.50	3.88	20.45	4.85	1.63	2.99
17.90	4.66	1.50	3.84	20.50	4.86	1.63	2.98
17.95	4.66	1.50	3.80	20.55	4.86	1.63	2.98
18.00	4.67	1.51	3.76	20.60	4.86	1.64	2.97
18.05	4.67	1.51	3.72	20.65	4.87	1.64	2.96
18.10	4.68	1.51	3.69	20.70	4.87	1.64	2.95
18.15	4.68	1.51	3.65	20.75	4.87	1.64	2.94

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.64	2.93	23.40	5.04	1.75	2.42
20.85	4.88	1.65	2.92	23.45	5.04	1.75	2.41
20.90	4.88	1.65	2.91	23.50	5.04	1.76	2.40
20.95	4.89	1.65	2.90	23.55	5.04	1.76	2.39
21.00	4.89	1.65	2.89	23.60	5.05	1.76	2.38
21.05	4.89	1.66	2.88	23.65	5.05	1.76	2.37
21.10	4.90	1.66	2.87	23.70	5.05	1.76	2.37
21.15	4.90	1.66	2.86	23.75	5.06	1.77	2.35
21.20	4.90	1.66	2.85	23.80	5.06	1.77	2.34
21.25	4.91	1.67	2.84	23.85	5.06	1.77	2.34
21.30	4.91	1.67	2.83	23.90	5.06	1.77	2.33
21.35	4.91	1.67	2.82	23.95	5.07	1.77	2.31
21.40	4.92	1.67	2.81	24.00	**5.07**	**1.78**	2.31
21.45	4.92	1.67	2.81	24.05	5.07	1.78	2.30
21.50	4.92	1.68	2.80	24.10	5.07	1.78	2.30
21.55	4.93	1.68	2.79	24.15	5.07	1.78	2.27
21.60	4.93	1.68	2.78	24.20	5.07	1.78	2.21
21.65	4.93	1.68	2.77	24.25	5.07	1.78	2.10
21.70	4.94	1.68	2.76	24.30	5.07	1.78	1.92
21.75	4.94	1.69	2.75	24.35	5.07	1.78	1.70
21.80	4.94	1.69	2.74	24.40	5.07	1.78	1.46
21.85	4.95	1.69	2.73	24.45	5.07	1.78	1.21
21.90	4.95	1.69	2.72	24.50	5.07	1.78	0.99
21.95	4.95	1.70	2.71	24.55	5.07	1.78	0.78
22.00	4.96	1.70	2.70	24.60	5.07	1.78	0.61
22.05	4.96	1.70	2.69	24.65	5.07	1.78	0.49
22.10	4.96	1.70	2.68	24.70	5.07	1.78	0.38
22.15	4.96	1.70	2.67	24.75	5.07	1.78	0.31
22.20	4.97	1.71	2.66	24.80	5.07	1.78	0.24
22.25	4.97	1.71	2.65	24.85	5.07	1.78	0.19
22.30	4.97	1.71	2.64	24.90	5.07	1.78	0.15
22.35	4.98	1.71	2.63	24.95	5.07	1.78	0.12
22.40	4.98	1.71	2.62	25.00	5.07	1.78	0.09
22.45	4.98	1.72	2.61	25.05	5.07	1.78	0.07
22.50	4.99	1.72	2.61	25.10	5.07	1.78	0.06
22.55	4.99	1.72	2.59	25.15	5.07	1.78	0.05
22.60	4.99	1.72	2.58	25.20	5.07	1.78	0.04
22.65	4.99	1.72	2.57	25.25	5.07	1.78	0.03
22.70	5.00	1.73	2.56	25.30	5.07	1.78	0.02
22.75	5.00	1.73	2.55	25.35	5.07	1.78	0.02
22.80	5.00	1.73	2.55	25.40	5.07	1.78	0.01
22.85	5.01	1.73	2.54	25.45	5.07	1.78	0.01
22.90	5.01	1.73	2.52	25.50	5.07	1.78	0.01
22.95	5.01	1.74	2.51	25.55	5.07	1.78	0.00
23.00	5.01	1.74	2.51	25.60	5.07	1.78	0.00
23.05	5.02	1.74	2.49	25.65	5.07	1.78	0.00
23.10	5.02	1.74	2.48	25.70	5.07	1.78	0.00
23.15	5.02	1.74	2.47	25.75	5.07	1.78	0.00
23.20	5.03	1.75	2.47	25.80	5.07	1.78	0.00
23.25	5.03	1.75	2.45	25.85	5.07	1.78	0.00
23.30	5.03	1.75	2.45	25.90	5.07	1.78	0.00
23.35	5.03	1.75	2.44	25.95	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.78	0.00	28.60	5.07	1.78	0.00
26.05	5.07	1.78	0.00	28.65	5.07	1.78	0.00
26.10	5.07	1.78	0.00	28.70	5.07	1.78	0.00
26.15	5.07	1.78	0.00	28.75	5.07	1.78	0.00
26.20	5.07	1.78	0.00	28.80	5.07	1.78	0.00
26.25	5.07	1.78	0.00	28.85	5.07	1.78	0.00
26.30	5.07	1.78	0.00	28.90	5.07	1.78	0.00
26.35	5.07	1.78	0.00	28.95	5.07	1.78	0.00
26.40	5.07	1.78	0.00	29.00	5.07	1.78	0.00
26.45	5.07	1.78	0.00	29.05	5.07	1.78	0.00
26.50	5.07	1.78	0.00	29.10	5.07	1.78	0.00
26.55	5.07	1.78	0.00	29.15	5.07	1.78	0.00
26.60	5.07	1.78	0.00	29.20	5.07	1.78	0.00
26.65	5.07	1.78	0.00	29.25	5.07	1.78	0.00
26.70	5.07	1.78	0.00	29.30	5.07	1.78	0.00
26.75	5.07	1.78	0.00	29.35	5.07	1.78	0.00
26.80	5.07	1.78	0.00	29.40	5.07	1.78	0.00
26.85	5.07	1.78	0.00	29.45	5.07	1.78	0.00
26.90	5.07	1.78	0.00	29.50	5.07	1.78	0.00
26.95	5.07	1.78	0.00	29.55	5.07	1.78	0.00
27.00	5.07	1.78	0.00	29.60	5.07	1.78	0.00
27.05	5.07	1.78	0.00	29.65	5.07	1.78	0.00
27.10	5.07	1.78	0.00	29.70	5.07	1.78	0.00
27.15	5.07	1.78	0.00	29.75	5.07	1.78	0.00
27.20	5.07	1.78	0.00	29.80	5.07	1.78	0.00
27.25	5.07	1.78	0.00	29.85	5.07	1.78	0.00
27.30	5.07	1.78	0.00	29.90	5.07	1.78	0.00
27.35	5.07	1.78	0.00	29.95	5.07	1.78	0.00
27.40	5.07	1.78	0.00	30.00	5.07	1.78	0.00
27.45	5.07	1.78	0.00	30.05	5.07	1.78	0.00
27.50	5.07	1.78	0.00	30.10	5.07	1.78	0.00
27.55	5.07	1.78	0.00	30.15	5.07	1.78	0.00
27.60	5.07	1.78	0.00	30.20	5.07	1.78	0.00
27.65	5.07	1.78	0.00	30.25	5.07	1.78	0.00
27.70	5.07	1.78	0.00	30.30	5.07	1.78	0.00
27.75	5.07	1.78	0.00	30.35	5.07	1.78	0.00
27.80	5.07	1.78	0.00	30.40	5.07	1.78	0.00
27.85	5.07	1.78	0.00	30.45	5.07	1.78	0.00
27.90	5.07	1.78	0.00	30.50	5.07	1.78	0.00
27.95	5.07	1.78	0.00	30.55	5.07	1.78	0.00
28.00	5.07	1.78	0.00	30.60	5.07	1.78	0.00
28.05	5.07	1.78	0.00	30.65	5.07	1.78	0.00
28.10	5.07	1.78	0.00	30.70	5.07	1.78	0.00
28.15	5.07	1.78	0.00	30.75	5.07	1.78	0.00
28.20	5.07	1.78	0.00	30.80	5.07	1.78	0.00
28.25	5.07	1.78	0.00	30.85	5.07	1.78	0.00
28.30	5.07	1.78	0.00	30.90	5.07	1.78	0.00
28.35	5.07	1.78	0.00	30.95	5.07	1.78	0.00
28.40	5.07	1.78	0.00	31.00	5.07	1.78	0.00
28.45	5.07	1.78	0.00	31.05	5.07	1.78	0.00
28.50	5.07	1.78	0.00	31.10	5.07	1.78	0.00
28.55	5.07	1.78	0.00	31.15	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.78	0.00	33.80	5.07	1.78	0.00
31.25	5.07	1.78	0.00	33.85	5.07	1.78	0.00
31.30	5.07	1.78	0.00	33.90	5.07	1.78	0.00
31.35	5.07	1.78	0.00	33.95	5.07	1.78	0.00
31.40	5.07	1.78	0.00	34.00	5.07	1.78	0.00
31.45	5.07	1.78	0.00	34.05	5.07	1.78	0.00
31.50	5.07	1.78	0.00	34.10	5.07	1.78	0.00
31.55	5.07	1.78	0.00	34.15	5.07	1.78	0.00
31.60	5.07	1.78	0.00	34.20	5.07	1.78	0.00
31.65	5.07	1.78	0.00	34.25	5.07	1.78	0.00
31.70	5.07	1.78	0.00	34.30	5.07	1.78	0.00
31.75	5.07	1.78	0.00	34.35	5.07	1.78	0.00
31.80	5.07	1.78	0.00	34.40	5.07	1.78	0.00
31.85	5.07	1.78	0.00	34.45	5.07	1.78	0.00
31.90	5.07	1.78	0.00	34.50	5.07	1.78	0.00
31.95	5.07	1.78	0.00	34.55	5.07	1.78	0.00
32.00	5.07	1.78	0.00	34.60	5.07	1.78	0.00
32.05	5.07	1.78	0.00	34.65	5.07	1.78	0.00
32.10	5.07	1.78	0.00	34.70	5.07	1.78	0.00
32.15	5.07	1.78	0.00	34.75	5.07	1.78	0.00
32.20	5.07	1.78	0.00	34.80	5.07	1.78	0.00
32.25	5.07	1.78	0.00	34.85	5.07	1.78	0.00
32.30	5.07	1.78	0.00	34.90	5.07	1.78	0.00
32.35	5.07	1.78	0.00	34.95	5.07	1.78	0.00
32.40	5.07	1.78	0.00	35.00	5.07	1.78	0.00
32.45	5.07	1.78	0.00	35.05	5.07	1.78	0.00
32.50	5.07	1.78	0.00	35.10	5.07	1.78	0.00
32.55	5.07	1.78	0.00	35.15	5.07	1.78	0.00
32.60	5.07	1.78	0.00	35.20	5.07	1.78	0.00
32.65	5.07	1.78	0.00	35.25	5.07	1.78	0.00
32.70	5.07	1.78	0.00	35.30	5.07	1.78	0.00
32.75	5.07	1.78	0.00	35.35	5.07	1.78	0.00
32.80	5.07	1.78	0.00	35.40	5.07	1.78	0.00
32.85	5.07	1.78	0.00	35.45	5.07	1.78	0.00
32.90	5.07	1.78	0.00	35.50	5.07	1.78	0.00
32.95	5.07	1.78	0.00	35.55	5.07	1.78	0.00
33.00	5.07	1.78	0.00	35.60	5.07	1.78	0.00
33.05	5.07	1.78	0.00	35.65	5.07	1.78	0.00
33.10	5.07	1.78	0.00	35.70	5.07	1.78	0.00
33.15	5.07	1.78	0.00	35.75	5.07	1.78	0.00
33.20	5.07	1.78	0.00	35.80	5.07	1.78	0.00
33.25	5.07	1.78	0.00	35.85	5.07	1.78	0.00
33.30	5.07	1.78	0.00	35.90	5.07	1.78	0.00
33.35	5.07	1.78	0.00	35.95	5.07	1.78	0.00
33.40	5.07	1.78	0.00	36.00	5.07	1.78	0.00
33.45	5.07	1.78	0.00	36.05	5.07	1.78	0.00
33.50	5.07	1.78	0.00	36.10	5.07	1.78	0.00
33.55	5.07	1.78	0.00	36.15	5.07	1.78	0.00
33.60	5.07	1.78	0.00	36.20	5.07	1.78	0.00
33.65	5.07	1.78	0.00	36.25	5.07	1.78	0.00
33.70	5.07	1.78	0.00	36.30	5.07	1.78	0.00
33.75	5.07	1.78	0.00	36.35	5.07	1.78	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.78	0.00
36.45	5.07	1.78	0.00
36.50	5.07	1.78	0.00
36.55	5.07	1.78	0.00
36.60	5.07	1.78	0.00
36.65	5.07	1.78	0.00
36.70	5.07	1.78	0.00
36.75	5.07	1.78	0.00
36.80	5.07	1.78	0.00
36.85	5.07	1.78	0.00
36.90	5.07	1.78	0.00
36.95	5.07	1.78	0.00
37.00	5.07	1.78	0.00
37.05	5.07	1.78	0.00
37.10	5.07	1.78	0.00
37.15	5.07	1.78	0.00
37.20	5.07	1.78	0.00
37.25	5.07	1.78	0.00
37.30	5.07	1.78	0.00
37.35	5.07	1.78	0.00
37.40	5.07	1.78	0.00
37.45	5.07	1.78	0.00
37.50	5.07	1.78	0.00
37.55	5.07	1.78	0.00
37.60	5.07	1.78	0.00
37.65	5.07	1.78	0.00
37.70	5.07	1.78	0.00
37.75	5.07	1.78	0.00
37.80	5.07	1.78	0.00
37.85	5.07	1.78	0.00
37.90	5.07	1.78	0.00
37.95	5.07	1.78	0.00
38.00	5.07	1.78	0.00
38.05	5.07	1.78	0.00
38.10	5.07	1.78	0.00
38.15	5.07	1.78	0.00
38.20	5.07	1.78	0.00
38.25	5.07	1.78	0.00
38.30	5.07	1.78	0.00
38.35	5.07	1.78	0.00
38.40	5.07	1.78	0.00
38.45	5.07	1.78	0.00
38.50	5.07	1.78	0.00
38.55	5.07	1.78	0.00
38.60	5.07	1.78	0.00
38.65	5.07	1.78	0.00
38.70	5.07	1.78	0.00
38.75	5.07	1.78	0.00
38.80	5.07	1.78	0.00
38.85	5.07	1.78	0.00
38.90	5.07	1.78	0.00
38.95	5.07	1.78	0.00
39.00	5.07	1.78	0.00
39.05	5.07	1.78	0.00
39.10	5.07	1.78	0.00
39.15	5.07	1.78	0.00
39.20	5.07	1.78	0.00
39.25	5.07	1.78	0.00
39.30	5.07	1.78	0.00
39.35	5.07	1.78	0.00
39.40	5.07	1.78	0.00
39.45	5.07	1.78	0.00
39.50	5.07	1.78	0.00
39.55	5.07	1.78	0.00
39.60	5.07	1.78	0.00
39.65	5.07	1.78	0.00
39.70	5.07	1.78	0.00
39.75	5.07	1.78	0.00
39.80	5.07	1.78	0.00
39.85	5.07	1.78	0.00
39.90	5.07	1.78	0.00
39.95	5.07	1.78	0.00
40.00	5.07	1.78	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

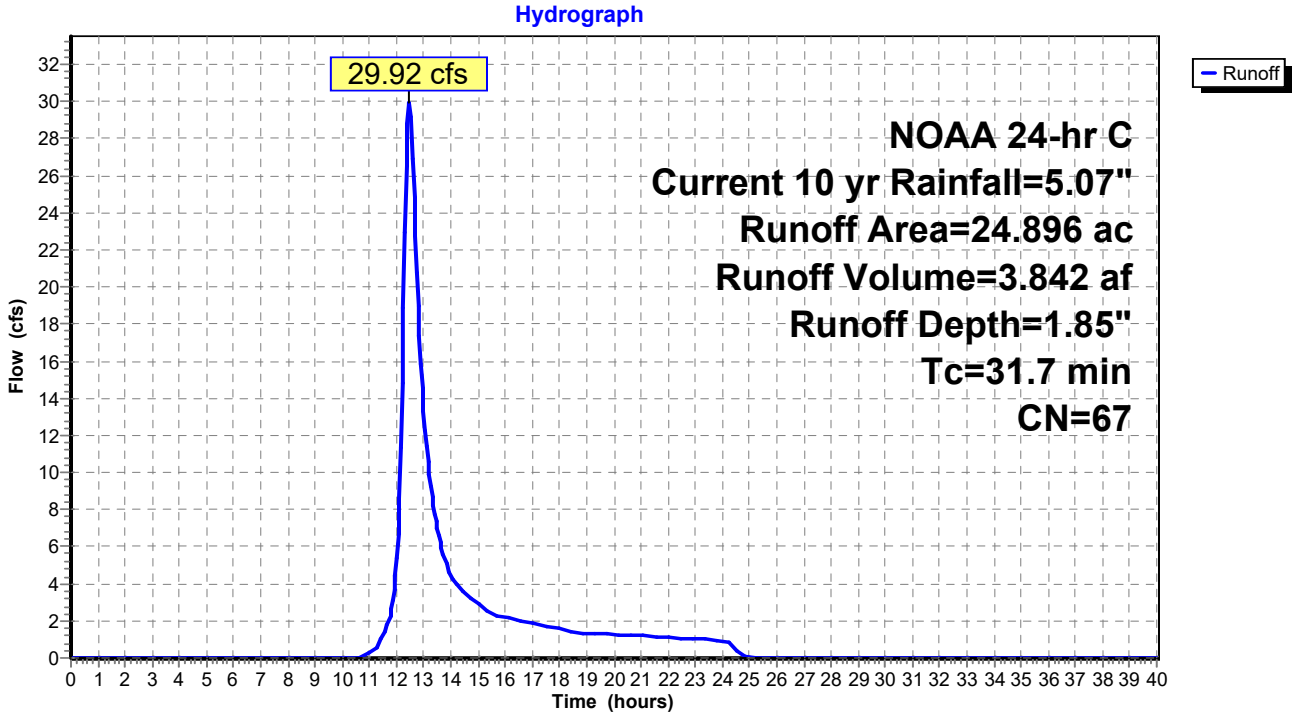
Runoff = 29.92 cfs @ 12.47 hrs, Volume= 3.842 af, Depth= 1.85"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	1.06	13.35
10.45	1.03	0.00	0.00	13.05	3.87	1.07	12.31
10.50	1.04	0.00	0.00	13.10	3.89	1.08	11.40
10.55	1.06	0.00	0.01	13.15	3.91	1.09	10.61
10.60	1.07	0.00	0.02	13.20	3.93	1.10	9.92
10.65	1.09	0.00	0.03	13.25	3.95	1.11	9.29
10.70	1.10	0.00	0.04	13.30	3.97	1.12	8.72
10.75	1.12	0.00	0.06	13.35	3.98	1.13	8.22
10.80	1.14	0.00	0.08	13.40	4.00	1.14	7.75
10.85	1.16	0.01	0.11	13.45	4.01	1.15	7.32
10.90	1.18	0.01	0.15	13.50	4.03	1.16	6.94
10.95	1.20	0.01	0.19	13.55	4.04	1.17	6.59
11.00	1.22	0.01	0.23	13.60	4.05	1.18	6.27
11.05	1.24	0.01	0.28	13.65	4.06	1.18	5.97
11.10	1.26	0.01	0.34	13.70	4.08	1.19	5.69
11.15	1.29	0.02	0.40	13.75	4.09	1.20	5.42
11.20	1.31	0.02	0.47	13.80	4.10	1.21	5.17
11.25	1.34	0.02	0.55	13.85	4.11	1.21	4.94
11.30	1.37	0.03	0.64	13.90	4.12	1.22	4.74
11.35	1.40	0.03	0.75	13.95	4.13	1.23	4.56
11.40	1.43	0.04	0.86	14.00	4.15	1.24	4.41
11.45	1.47	0.04	0.99	14.05	4.16	1.24	4.27
11.50	1.50	0.05	1.13	14.10	4.17	1.25	4.15
11.55	1.55	0.06	1.29	14.15	4.18	1.26	4.05
11.60	1.60	0.07	1.47	14.20	4.19	1.26	3.96
11.65	1.65	0.08	1.68	14.25	4.20	1.27	3.87
11.70	1.71	0.09	1.93	14.30	4.21	1.28	3.79
11.75	1.78	0.11	2.25	14.35	4.22	1.28	3.72
11.80	1.86	0.13	2.63	14.40	4.23	1.29	3.65
11.85	1.96	0.16	3.11	14.45	4.24	1.29	3.59
11.90	2.06	0.19	3.69	14.50	4.25	1.30	3.52
11.95	2.24	0.25	4.43	14.55	4.26	1.31	3.46
12.00	2.42	0.32	5.39	14.60	4.27	1.31	3.40
12.05	2.71	0.45	6.73	14.65	4.27	1.32	3.34
12.10	3.01	0.59	8.62	14.70	4.28	1.32	3.28
12.15	3.11	0.64	11.29	14.75	4.29	1.33	3.22
12.20	3.21	0.69	14.79	14.80	4.30	1.33	3.16
12.25	3.29	0.73	18.84	14.85	4.31	1.34	3.11
12.30	3.36	0.77	22.96	14.90	4.31	1.34	3.05
12.35	3.42	0.80	26.49	14.95	4.32	1.35	2.99
12.40	3.47	0.83	28.79	15.00	4.33	1.35	2.93
12.45	3.52	0.86	**29.83**	15.05	4.34	1.36	2.88
12.50	3.57	0.89	29.70	15.10	4.34	1.36	2.82
12.55	3.60	0.91	28.63	15.15	4.35	1.37	2.76
12.60	3.64	0.93	26.92	15.20	4.36	1.37	2.70
12.65	3.67	0.95	24.85	15.25	4.36	1.38	2.65
12.70	3.70	0.96	22.71	15.30	4.37	1.38	2.59
12.75	3.73	0.98	20.76	15.35	4.38	1.38	2.54
12.80	3.76	1.00	18.98	15.40	4.39	1.39	2.49
12.85	3.78	1.01	17.34	15.45	4.39	1.39	2.45
12.90	3.81	1.03	15.85	15.50	4.40	1.40	2.41
12.95	3.83	1.04	14.52	15.55	4.41	1.40	2.38

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.41	2.35	18.20	4.68	1.59	1.49
15.65	4.42	1.41	2.32	18.25	4.69	1.59	1.47
15.70	4.42	1.41	2.29	18.30	4.69	1.59	1.46
15.75	4.43	1.42	2.27	18.35	4.70	1.59	1.44
15.80	4.44	1.42	2.25	18.40	4.70	1.60	1.43
15.85	4.44	1.43	2.23	18.45	4.70	1.60	1.42
15.90	4.45	1.43	2.21	18.50	4.71	1.60	1.41
15.95	4.46	1.44	2.20	18.55	4.71	1.61	1.40
16.00	4.46	1.44	2.18	18.60	4.72	1.61	1.39
16.05	4.47	1.44	2.16	18.65	4.72	1.61	1.38
16.10	4.47	1.45	2.15	18.70	4.72	1.61	1.38
16.15	4.48	1.45	2.13	18.75	4.73	1.62	1.37
16.20	4.49	1.46	2.11	18.80	4.73	1.62	1.37
16.25	4.49	1.46	2.10	18.85	4.74	1.62	1.36
16.30	4.50	1.46	2.08	18.90	4.74	1.62	1.36
16.35	4.50	1.47	2.07	18.95	4.74	1.63	1.35
16.40	4.51	1.47	2.05	19.00	4.75	1.63	1.35
16.45	4.52	1.47	2.04	19.05	4.75	1.63	1.34
16.50	4.52	1.48	2.02	19.10	4.76	1.63	1.34
16.55	4.53	1.48	2.01	19.15	4.76	1.64	1.33
16.60	4.53	1.49	1.99	19.20	4.76	1.64	1.33
16.65	4.54	1.49	1.98	19.25	4.77	1.64	1.33
16.70	4.54	1.49	1.96	19.30	4.77	1.64	1.32
16.75	4.55	1.50	1.95	19.35	4.77	1.65	1.32
16.80	4.55	1.50	1.93	19.40	4.78	1.65	1.32
16.85	4.56	1.50	1.92	19.45	4.78	1.65	1.31
16.90	4.57	1.51	1.90	19.50	4.79	1.66	1.31
16.95	4.57	1.51	1.89	19.55	4.79	1.66	1.30
17.00	4.58	1.51	1.87	19.60	4.79	1.66	1.30
17.05	4.58	1.52	1.85	19.65	4.80	1.66	1.30
17.10	4.59	1.52	1.84	19.70	4.80	1.67	1.29
17.15	4.59	1.52	1.82	19.75	4.80	1.67	1.29
17.20	4.60	1.53	1.81	19.80	4.81	1.67	1.28
17.25	4.60	1.53	1.79	19.85	4.81	1.67	1.28
17.30	4.61	1.53	1.78	19.90	4.81	1.68	1.28
17.35	4.61	1.54	1.76	19.95	4.82	1.68	1.27
17.40	4.61	1.54	1.75	20.00	4.82	1.68	1.27
17.45	4.62	1.54	1.73	20.05	4.83	1.68	1.27
17.50	4.62	1.55	1.71	20.10	4.83	1.68	1.26
17.55	4.63	1.55	1.70	20.15	4.83	1.69	1.26
17.60	4.63	1.55	1.68	20.20	4.84	1.69	1.26
17.65	4.64	1.56	1.67	20.25	4.84	1.69	1.25
17.70	4.64	1.56	1.65	20.30	4.84	1.69	1.25
17.75	4.65	1.56	1.63	20.35	4.85	1.70	1.24
17.80	4.65	1.56	1.62	20.40	4.85	1.70	1.24
17.85	4.66	1.57	1.60	20.45	4.85	1.70	1.24
17.90	4.66	1.57	1.59	20.50	4.86	1.70	1.23
17.95	4.66	1.57	1.57	20.55	4.86	1.71	1.23
18.00	4.67	1.58	1.55	20.60	4.86	1.71	1.22
18.05	4.67	1.58	1.54	20.65	4.87	1.71	1.22
18.10	4.68	1.58	1.52	20.70	4.87	1.71	1.22
18.15	4.68	1.58	1.51	20.75	4.87	1.72	1.21

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.72	1.21	23.40	5.04	1.83	1.00
20.85	4.88	1.72	1.21	23.45	5.04	1.83	0.99
20.90	4.88	1.72	1.20	23.50	5.04	1.83	0.99
20.95	4.89	1.73	1.20	23.55	5.04	1.83	0.99
21.00	4.89	1.73	1.19	23.60	5.05	1.84	0.98
21.05	4.89	1.73	1.19	23.65	5.05	1.84	0.98
21.10	4.90	1.73	1.19	23.70	5.05	1.84	0.97
21.15	4.90	1.73	1.18	23.75	5.06	1.84	0.97
21.20	4.90	1.74	1.18	23.80	5.06	1.84	0.97
21.25	4.91	1.74	1.17	23.85	5.06	1.85	0.96
21.30	4.91	1.74	1.17	23.90	5.06	1.85	0.96
21.35	4.91	1.74	1.16	23.95	5.07	1.85	0.95
21.40	4.92	1.75	1.16	24.00	**5.07**	**1.85**	0.95
21.45	4.92	1.75	1.16	24.05	5.07	1.85	0.95
21.50	4.92	1.75	1.15	24.10	5.07	1.85	0.95
21.55	4.93	1.75	1.15	24.15	5.07	1.85	0.94
21.60	4.93	1.75	1.15	24.20	5.07	1.85	0.91
21.65	4.93	1.76	1.14	24.25	5.07	1.85	0.86
21.70	4.94	1.76	1.14	24.30	5.07	1.85	0.79
21.75	4.94	1.76	1.13	24.35	5.07	1.85	0.70
21.80	4.94	1.76	1.13	24.40	5.07	1.85	0.60
21.85	4.95	1.77	1.13	24.45	5.07	1.85	0.50
21.90	4.95	1.77	1.12	24.50	5.07	1.85	0.41
21.95	4.95	1.77	1.12	24.55	5.07	1.85	0.32
22.00	4.96	1.77	1.11	24.60	5.07	1.85	0.25
22.05	4.96	1.77	1.11	24.65	5.07	1.85	0.20
22.10	4.96	1.78	1.11	24.70	5.07	1.85	0.16
22.15	4.96	1.78	1.10	24.75	5.07	1.85	0.13
22.20	4.97	1.78	1.10	24.80	5.07	1.85	0.10
22.25	4.97	1.78	1.09	24.85	5.07	1.85	0.08
22.30	4.97	1.78	1.09	24.90	5.07	1.85	0.06
22.35	4.98	1.79	1.09	24.95	5.07	1.85	0.05
22.40	4.98	1.79	1.08	25.00	5.07	1.85	0.04
22.45	4.98	1.79	1.08	25.05	5.07	1.85	0.03
22.50	4.99	1.79	1.07	25.10	5.07	1.85	0.02
22.55	4.99	1.80	1.07	25.15	5.07	1.85	0.02
22.60	4.99	1.80	1.07	25.20	5.07	1.85	0.01
22.65	4.99	1.80	1.06	25.25	5.07	1.85	0.01
22.70	5.00	1.80	1.06	25.30	5.07	1.85	0.01
22.75	5.00	1.80	1.05	25.35	5.07	1.85	0.01
22.80	5.00	1.81	1.05	25.40	5.07	1.85	0.01
22.85	5.01	1.81	1.05	25.45	5.07	1.85	0.00
22.90	5.01	1.81	1.04	25.50	5.07	1.85	0.00
22.95	5.01	1.81	1.04	25.55	5.07	1.85	0.00
23.00	5.01	1.81	1.03	25.60	5.07	1.85	0.00
23.05	5.02	1.82	1.03	25.65	5.07	1.85	0.00
23.10	5.02	1.82	1.02	25.70	5.07	1.85	0.00
23.15	5.02	1.82	1.02	25.75	5.07	1.85	0.00
23.20	5.03	1.82	1.02	25.80	5.07	1.85	0.00
23.25	5.03	1.82	1.01	25.85	5.07	1.85	0.00
23.30	5.03	1.82	1.01	25.90	5.07	1.85	0.00
23.35	5.03	1.83	1.00	25.95	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.85	0.00	28.60	5.07	1.85	0.00
26.05	5.07	1.85	0.00	28.65	5.07	1.85	0.00
26.10	5.07	1.85	0.00	28.70	5.07	1.85	0.00
26.15	5.07	1.85	0.00	28.75	5.07	1.85	0.00
26.20	5.07	1.85	0.00	28.80	5.07	1.85	0.00
26.25	5.07	1.85	0.00	28.85	5.07	1.85	0.00
26.30	5.07	1.85	0.00	28.90	5.07	1.85	0.00
26.35	5.07	1.85	0.00	28.95	5.07	1.85	0.00
26.40	5.07	1.85	0.00	29.00	5.07	1.85	0.00
26.45	5.07	1.85	0.00	29.05	5.07	1.85	0.00
26.50	5.07	1.85	0.00	29.10	5.07	1.85	0.00
26.55	5.07	1.85	0.00	29.15	5.07	1.85	0.00
26.60	5.07	1.85	0.00	29.20	5.07	1.85	0.00
26.65	5.07	1.85	0.00	29.25	5.07	1.85	0.00
26.70	5.07	1.85	0.00	29.30	5.07	1.85	0.00
26.75	5.07	1.85	0.00	29.35	5.07	1.85	0.00
26.80	5.07	1.85	0.00	29.40	5.07	1.85	0.00
26.85	5.07	1.85	0.00	29.45	5.07	1.85	0.00
26.90	5.07	1.85	0.00	29.50	5.07	1.85	0.00
26.95	5.07	1.85	0.00	29.55	5.07	1.85	0.00
27.00	5.07	1.85	0.00	29.60	5.07	1.85	0.00
27.05	5.07	1.85	0.00	29.65	5.07	1.85	0.00
27.10	5.07	1.85	0.00	29.70	5.07	1.85	0.00
27.15	5.07	1.85	0.00	29.75	5.07	1.85	0.00
27.20	5.07	1.85	0.00	29.80	5.07	1.85	0.00
27.25	5.07	1.85	0.00	29.85	5.07	1.85	0.00
27.30	5.07	1.85	0.00	29.90	5.07	1.85	0.00
27.35	5.07	1.85	0.00	29.95	5.07	1.85	0.00
27.40	5.07	1.85	0.00	30.00	5.07	1.85	0.00
27.45	5.07	1.85	0.00	30.05	5.07	1.85	0.00
27.50	5.07	1.85	0.00	30.10	5.07	1.85	0.00
27.55	5.07	1.85	0.00	30.15	5.07	1.85	0.00
27.60	5.07	1.85	0.00	30.20	5.07	1.85	0.00
27.65	5.07	1.85	0.00	30.25	5.07	1.85	0.00
27.70	5.07	1.85	0.00	30.30	5.07	1.85	0.00
27.75	5.07	1.85	0.00	30.35	5.07	1.85	0.00
27.80	5.07	1.85	0.00	30.40	5.07	1.85	0.00
27.85	5.07	1.85	0.00	30.45	5.07	1.85	0.00
27.90	5.07	1.85	0.00	30.50	5.07	1.85	0.00
27.95	5.07	1.85	0.00	30.55	5.07	1.85	0.00
28.00	5.07	1.85	0.00	30.60	5.07	1.85	0.00
28.05	5.07	1.85	0.00	30.65	5.07	1.85	0.00
28.10	5.07	1.85	0.00	30.70	5.07	1.85	0.00
28.15	5.07	1.85	0.00	30.75	5.07	1.85	0.00
28.20	5.07	1.85	0.00	30.80	5.07	1.85	0.00
28.25	5.07	1.85	0.00	30.85	5.07	1.85	0.00
28.30	5.07	1.85	0.00	30.90	5.07	1.85	0.00
28.35	5.07	1.85	0.00	30.95	5.07	1.85	0.00
28.40	5.07	1.85	0.00	31.00	5.07	1.85	0.00
28.45	5.07	1.85	0.00	31.05	5.07	1.85	0.00
28.50	5.07	1.85	0.00	31.10	5.07	1.85	0.00
28.55	5.07	1.85	0.00	31.15	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.85	0.00	33.80	5.07	1.85	0.00
31.25	5.07	1.85	0.00	33.85	5.07	1.85	0.00
31.30	5.07	1.85	0.00	33.90	5.07	1.85	0.00
31.35	5.07	1.85	0.00	33.95	5.07	1.85	0.00
31.40	5.07	1.85	0.00	34.00	5.07	1.85	0.00
31.45	5.07	1.85	0.00	34.05	5.07	1.85	0.00
31.50	5.07	1.85	0.00	34.10	5.07	1.85	0.00
31.55	5.07	1.85	0.00	34.15	5.07	1.85	0.00
31.60	5.07	1.85	0.00	34.20	5.07	1.85	0.00
31.65	5.07	1.85	0.00	34.25	5.07	1.85	0.00
31.70	5.07	1.85	0.00	34.30	5.07	1.85	0.00
31.75	5.07	1.85	0.00	34.35	5.07	1.85	0.00
31.80	5.07	1.85	0.00	34.40	5.07	1.85	0.00
31.85	5.07	1.85	0.00	34.45	5.07	1.85	0.00
31.90	5.07	1.85	0.00	34.50	5.07	1.85	0.00
31.95	5.07	1.85	0.00	34.55	5.07	1.85	0.00
32.00	5.07	1.85	0.00	34.60	5.07	1.85	0.00
32.05	5.07	1.85	0.00	34.65	5.07	1.85	0.00
32.10	5.07	1.85	0.00	34.70	5.07	1.85	0.00
32.15	5.07	1.85	0.00	34.75	5.07	1.85	0.00
32.20	5.07	1.85	0.00	34.80	5.07	1.85	0.00
32.25	5.07	1.85	0.00	34.85	5.07	1.85	0.00
32.30	5.07	1.85	0.00	34.90	5.07	1.85	0.00
32.35	5.07	1.85	0.00	34.95	5.07	1.85	0.00
32.40	5.07	1.85	0.00	35.00	5.07	1.85	0.00
32.45	5.07	1.85	0.00	35.05	5.07	1.85	0.00
32.50	5.07	1.85	0.00	35.10	5.07	1.85	0.00
32.55	5.07	1.85	0.00	35.15	5.07	1.85	0.00
32.60	5.07	1.85	0.00	35.20	5.07	1.85	0.00
32.65	5.07	1.85	0.00	35.25	5.07	1.85	0.00
32.70	5.07	1.85	0.00	35.30	5.07	1.85	0.00
32.75	5.07	1.85	0.00	35.35	5.07	1.85	0.00
32.80	5.07	1.85	0.00	35.40	5.07	1.85	0.00
32.85	5.07	1.85	0.00	35.45	5.07	1.85	0.00
32.90	5.07	1.85	0.00	35.50	5.07	1.85	0.00
32.95	5.07	1.85	0.00	35.55	5.07	1.85	0.00
33.00	5.07	1.85	0.00	35.60	5.07	1.85	0.00
33.05	5.07	1.85	0.00	35.65	5.07	1.85	0.00
33.10	5.07	1.85	0.00	35.70	5.07	1.85	0.00
33.15	5.07	1.85	0.00	35.75	5.07	1.85	0.00
33.20	5.07	1.85	0.00	35.80	5.07	1.85	0.00
33.25	5.07	1.85	0.00	35.85	5.07	1.85	0.00
33.30	5.07	1.85	0.00	35.90	5.07	1.85	0.00
33.35	5.07	1.85	0.00	35.95	5.07	1.85	0.00
33.40	5.07	1.85	0.00	36.00	5.07	1.85	0.00
33.45	5.07	1.85	0.00	36.05	5.07	1.85	0.00
33.50	5.07	1.85	0.00	36.10	5.07	1.85	0.00
33.55	5.07	1.85	0.00	36.15	5.07	1.85	0.00
33.60	5.07	1.85	0.00	36.20	5.07	1.85	0.00
33.65	5.07	1.85	0.00	36.25	5.07	1.85	0.00
33.70	5.07	1.85	0.00	36.30	5.07	1.85	0.00
33.75	5.07	1.85	0.00	36.35	5.07	1.85	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.85	0.00
36.45	5.07	1.85	0.00
36.50	5.07	1.85	0.00
36.55	5.07	1.85	0.00
36.60	5.07	1.85	0.00
36.65	5.07	1.85	0.00
36.70	5.07	1.85	0.00
36.75	5.07	1.85	0.00
36.80	5.07	1.85	0.00
36.85	5.07	1.85	0.00
36.90	5.07	1.85	0.00
36.95	5.07	1.85	0.00
37.00	5.07	1.85	0.00
37.05	5.07	1.85	0.00
37.10	5.07	1.85	0.00
37.15	5.07	1.85	0.00
37.20	5.07	1.85	0.00
37.25	5.07	1.85	0.00
37.30	5.07	1.85	0.00
37.35	5.07	1.85	0.00
37.40	5.07	1.85	0.00
37.45	5.07	1.85	0.00
37.50	5.07	1.85	0.00
37.55	5.07	1.85	0.00
37.60	5.07	1.85	0.00
37.65	5.07	1.85	0.00
37.70	5.07	1.85	0.00
37.75	5.07	1.85	0.00
37.80	5.07	1.85	0.00
37.85	5.07	1.85	0.00
37.90	5.07	1.85	0.00
37.95	5.07	1.85	0.00
38.00	5.07	1.85	0.00
38.05	5.07	1.85	0.00
38.10	5.07	1.85	0.00
38.15	5.07	1.85	0.00
38.20	5.07	1.85	0.00
38.25	5.07	1.85	0.00
38.30	5.07	1.85	0.00
38.35	5.07	1.85	0.00
38.40	5.07	1.85	0.00
38.45	5.07	1.85	0.00
38.50	5.07	1.85	0.00
38.55	5.07	1.85	0.00
38.60	5.07	1.85	0.00
38.65	5.07	1.85	0.00
38.70	5.07	1.85	0.00
38.75	5.07	1.85	0.00
38.80	5.07	1.85	0.00
38.85	5.07	1.85	0.00
38.90	5.07	1.85	0.00
38.95	5.07	1.85	0.00
39.00	5.07	1.85	0.00
39.05	5.07	1.85	0.00
39.10	5.07	1.85	0.00
39.15	5.07	1.85	0.00
39.20	5.07	1.85	0.00
39.25	5.07	1.85	0.00
39.30	5.07	1.85	0.00
39.35	5.07	1.85	0.00
39.40	5.07	1.85	0.00
39.45	5.07	1.85	0.00
39.50	5.07	1.85	0.00
39.55	5.07	1.85	0.00
39.60	5.07	1.85	0.00
39.65	5.07	1.85	0.00
39.70	5.07	1.85	0.00
39.75	5.07	1.85	0.00
39.80	5.07	1.85	0.00
39.85	5.07	1.85	0.00
39.90	5.07	1.85	0.00
39.95	5.07	1.85	0.00
40.00	5.07	1.85	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

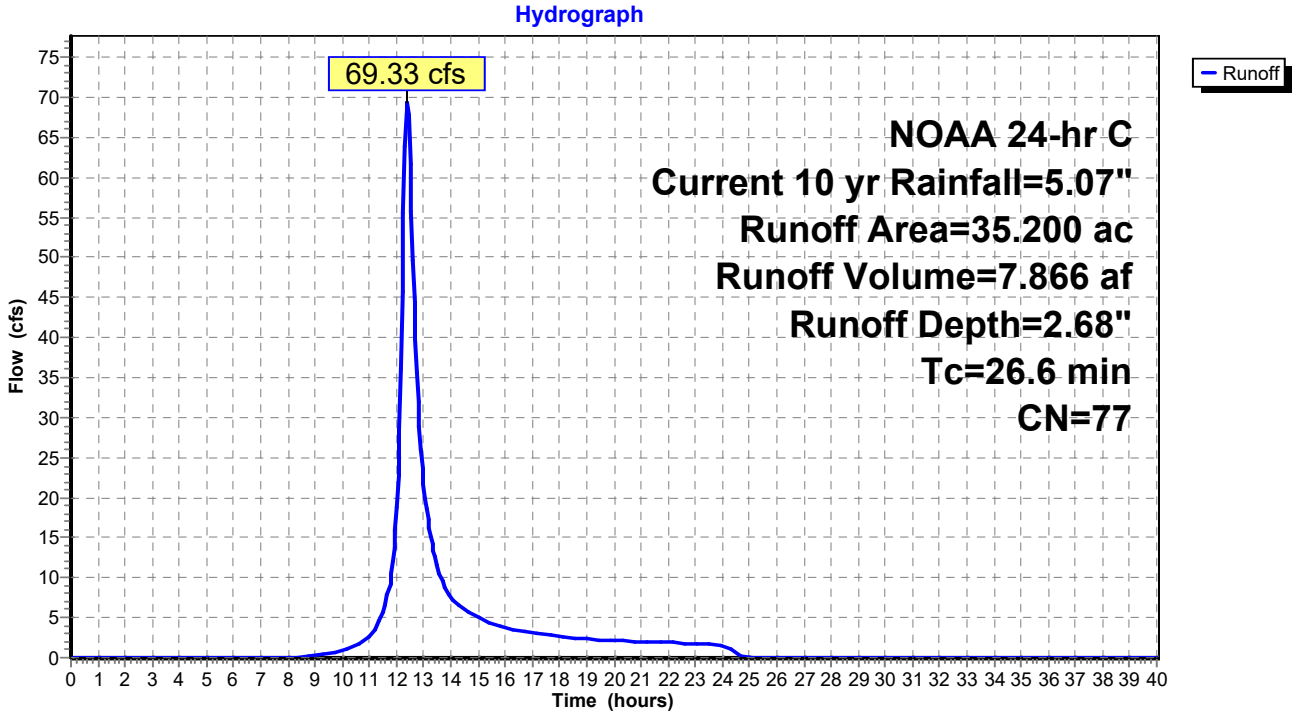
Runoff = 69.33 cfs @ 12.39 hrs, Volume= 7.866 af, Depth= 2.68"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.01
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.01
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.02
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.03
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.04
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.06
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.07
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.09
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.11
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.13
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.14
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.16
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.18
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.20
6.30	0.43	0.00	0.00	8.90	0.73	0.01	0.22
6.35	0.43	0.00	0.00	8.95	0.73	0.01	0.25
6.40	0.44	0.00	0.00	9.00	0.74	0.01	0.27
6.45	0.44	0.00	0.00	9.05	0.75	0.01	0.29
6.50	0.45	0.00	0.00	9.10	0.76	0.01	0.31
6.55	0.45	0.00	0.00	9.15	0.76	0.01	0.33
6.60	0.46	0.00	0.00	9.20	0.77	0.01	0.36
6.65	0.46	0.00	0.00	9.25	0.78	0.01	0.38
6.70	0.46	0.00	0.00	9.30	0.79	0.01	0.41
6.75	0.47	0.00	0.00	9.35	0.80	0.01	0.44
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.47
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.51
6.90	0.48	0.00	0.00	9.50	0.82	0.02	0.54
6.95	0.49	0.00	0.00	9.55	0.83	0.02	0.58
7.00	0.49	0.00	0.00	9.60	0.84	0.02	0.62
7.05	0.50	0.00	0.00	9.65	0.85	0.02	0.66
7.10	0.50	0.00	0.00	9.70	0.86	0.02	0.70
7.15	0.51	0.00	0.00	9.75	0.87	0.02	0.74
7.20	0.52	0.00	0.00	9.80	0.88	0.02	0.79
7.25	0.52	0.00	0.00	9.85	0.89	0.03	0.84
7.30	0.53	0.00	0.00	9.90	0.90	0.03	0.89
7.35	0.53	0.00	0.00	9.95	0.91	0.03	0.94
7.40	0.54	0.00	0.00	10.00	0.92	0.03	0.99
7.45	0.54	0.00	0.00	10.05	0.94	0.03	1.05
7.50	0.55	0.00	0.00	10.10	0.95	0.04	1.10
7.55	0.55	0.00	0.00	10.15	0.96	0.04	1.16
7.60	0.56	0.00	0.00	10.20	0.97	0.04	1.22
7.65	0.57	0.00	0.00	10.25	0.98	0.04	1.28
7.70	0.57	0.00	0.00	10.30	0.99	0.05	1.34
7.75	0.58	0.00	0.00	10.35	1.01	0.05	1.41

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.05	1.48	13.00	3.85	1.70	21.59
10.45	1.03	0.06	1.55	13.05	3.87	1.71	19.91
10.50	1.04	0.06	1.62	13.10	3.89	1.73	18.48
10.55	1.06	0.06	1.69	13.15	3.91	1.74	17.23
10.60	1.07	0.07	1.76	13.20	3.93	1.76	16.10
10.65	1.09	0.07	1.85	13.25	3.95	1.77	15.08
10.70	1.10	0.07	1.94	13.30	3.97	1.78	14.17
10.75	1.12	0.08	2.04	13.35	3.98	1.80	13.35
10.80	1.14	0.08	2.16	13.40	4.00	1.81	12.61
10.85	1.16	0.09	2.30	13.45	4.01	1.82	11.94
10.90	1.18	0.09	2.45	13.50	4.03	1.83	11.32
10.95	1.20	0.10	2.62	13.55	4.04	1.84	10.76
11.00	1.22	0.11	2.80	13.60	4.05	1.85	10.25
11.05	1.24	0.11	2.99	13.65	4.06	1.86	9.78
11.10	1.26	0.12	3.20	13.70	4.08	1.87	9.34
11.15	1.29	0.13	3.43	13.75	4.09	1.88	8.92
11.20	1.31	0.14	3.68	13.80	4.10	1.89	8.54
11.25	1.34	0.15	3.95	13.85	4.11	1.90	8.20
11.30	1.37	0.16	4.26	13.90	4.12	1.91	7.90
11.35	1.40	0.17	4.60	13.95	4.13	1.92	7.64
11.40	1.43	0.18	4.98	14.00	4.15	1.93	7.42
11.45	1.47	0.20	5.39	14.05	4.16	1.94	7.23
11.50	1.50	0.21	5.82	14.10	4.17	1.94	7.06
11.55	1.55	0.23	6.29	14.15	4.18	1.95	6.91
11.60	1.60	0.25	6.82	14.20	4.19	1.96	6.77
11.65	1.65	0.28	7.46	14.25	4.20	1.97	6.64
11.70	1.71	0.30	8.27	14.30	4.21	1.98	6.52
11.75	1.78	0.34	9.27	14.35	4.22	1.98	6.40
11.80	1.86	0.37	10.49	14.40	4.23	1.99	6.29
11.85	1.96	0.43	11.94	14.45	4.24	2.00	6.18
11.90	2.06	0.48	13.69	14.50	4.25	2.01	6.07
11.95	2.24	0.58	15.90	14.55	4.26	2.01	5.96
12.00	2.42	0.69	18.84	14.60	4.27	2.02	5.85
12.05	2.71	0.88	22.78	14.65	4.27	2.03	5.75
12.10	3.01	1.08	28.40	14.70	4.28	2.04	5.65
12.15	3.11	1.15	36.12	14.75	4.29	2.04	5.54
12.20	3.21	1.22	45.61	14.80	4.30	2.05	5.44
12.25	3.29	1.27	55.63	14.85	4.31	2.05	5.33
12.30	3.36	1.33	63.91	14.90	4.31	2.06	5.23
12.35	3.42	1.37	68.53	14.95	4.32	2.07	5.12
12.40	3.47	1.41	**69.18**	15.00	4.33	2.07	5.02
12.45	3.52	1.45	66.58	15.05	4.34	2.08	4.92
12.50	3.57	1.48	61.76	15.10	4.34	2.08	4.81
12.55	3.60	1.51	55.71	15.15	4.35	2.09	4.71
12.60	3.64	1.53	49.67	15.20	4.36	2.10	4.60
12.65	3.67	1.56	44.40	15.25	4.36	2.10	4.50
12.70	3.70	1.58	39.81	15.30	4.37	2.11	4.41
12.75	3.73	1.60	35.69	15.35	4.38	2.11	4.32
12.80	3.76	1.62	31.99	15.40	4.39	2.12	4.25
12.85	3.78	1.64	28.77	15.45	4.39	2.12	4.18
12.90	3.81	1.66	25.99	15.50	4.40	2.13	4.12
12.95	3.83	1.68	23.60	15.55	4.41	2.13	4.07

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	2.14	4.03	18.20	4.68	2.36	2.53
15.65	4.42	2.14	3.99	18.25	4.69	2.36	2.50
15.70	4.42	2.15	3.95	18.30	4.69	2.37	2.48
15.75	4.43	2.15	3.92	18.35	4.70	2.37	2.45
15.80	4.44	2.16	3.89	18.40	4.70	2.37	2.43
15.85	4.44	2.17	3.85	18.45	4.70	2.38	2.41
15.90	4.45	2.17	3.82	18.50	4.71	2.38	2.40
15.95	4.46	2.18	3.79	18.55	4.71	2.38	2.39
16.00	4.46	2.18	3.76	18.60	4.72	2.39	2.37
16.05	4.47	2.19	3.73	18.65	4.72	2.39	2.36
16.10	4.47	2.19	3.71	18.70	4.72	2.39	2.35
16.15	4.48	2.20	3.68	18.75	4.73	2.40	2.35
16.20	4.49	2.20	3.65	18.80	4.73	2.40	2.34
16.25	4.49	2.20	3.62	18.85	4.74	2.40	2.33
16.30	4.50	2.21	3.60	18.90	4.74	2.41	2.32
16.35	4.50	2.21	3.57	18.95	4.74	2.41	2.31
16.40	4.51	2.22	3.54	19.00	4.75	2.41	2.31
16.45	4.52	2.22	3.51	19.05	4.75	2.42	2.30
16.50	4.52	2.23	3.49	19.10	4.76	2.42	2.29
16.55	4.53	2.23	3.46	19.15	4.76	2.42	2.28
16.60	4.53	2.24	3.43	19.20	4.76	2.43	2.28
16.65	4.54	2.24	3.40	19.25	4.77	2.43	2.27
16.70	4.54	2.25	3.37	19.30	4.77	2.43	2.26
16.75	4.55	2.25	3.35	19.35	4.77	2.44	2.26
16.80	4.55	2.25	3.32	19.40	4.78	2.44	2.25
16.85	4.56	2.26	3.29	19.45	4.78	2.44	2.24
16.90	4.57	2.26	3.26	19.50	4.79	2.44	2.24
16.95	4.57	2.27	3.24	19.55	4.79	2.45	2.23
17.00	4.58	2.27	3.21	19.60	4.79	2.45	2.22
17.05	4.58	2.28	3.18	19.65	4.80	2.45	2.22
17.10	4.59	2.28	3.15	19.70	4.80	2.46	2.21
17.15	4.59	2.28	3.12	19.75	4.80	2.46	2.20
17.20	4.60	2.29	3.10	19.80	4.81	2.46	2.19
17.25	4.60	2.29	3.07	19.85	4.81	2.47	2.19
17.30	4.61	2.30	3.04	19.90	4.81	2.47	2.18
17.35	4.61	2.30	3.01	19.95	4.82	2.47	2.18
17.40	4.61	2.30	2.99	20.00	4.82	2.47	2.17
17.45	4.62	2.31	2.96	20.05	4.83	2.48	2.16
17.50	4.62	2.31	2.93	20.10	4.83	2.48	2.16
17.55	4.63	2.32	2.90	20.15	4.83	2.48	2.15
17.60	4.63	2.32	2.87	20.20	4.84	2.49	2.14
17.65	4.64	2.32	2.84	20.25	4.84	2.49	2.13
17.70	4.64	2.33	2.81	20.30	4.84	2.49	2.13
17.75	4.65	2.33	2.79	20.35	4.85	2.50	2.12
17.80	4.65	2.33	2.76	20.40	4.85	2.50	2.11
17.85	4.66	2.34	2.73	20.45	4.85	2.50	2.10
17.90	4.66	2.34	2.70	20.50	4.86	2.50	2.10
17.95	4.66	2.34	2.67	20.55	4.86	2.51	2.09
18.00	4.67	2.35	2.64	20.60	4.86	2.51	2.08
18.05	4.67	2.35	2.62	20.65	4.87	2.51	2.08
18.10	4.68	2.35	2.59	20.70	4.87	2.52	2.07
18.15	4.68	2.36	2.56	20.75	4.87	2.52	2.06

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.52	2.06	23.40	5.04	2.65	1.68
20.85	4.88	2.52	2.05	23.45	5.04	2.66	1.68
20.90	4.88	2.53	2.04	23.50	5.04	2.66	1.67
20.95	4.89	2.53	2.04	23.55	5.04	2.66	1.66
21.00	4.89	2.53	2.03	23.60	5.05	2.66	1.66
21.05	4.89	2.53	2.02	23.65	5.05	2.67	1.65
21.10	4.90	2.54	2.01	23.70	5.05	2.67	1.64
21.15	4.90	2.54	2.01	23.75	5.06	2.67	1.63
21.20	4.90	2.54	2.00	23.80	5.06	2.67	1.63
21.25	4.91	2.55	1.99	23.85	5.06	2.67	1.62
21.30	4.91	2.55	1.98	23.90	5.06	2.68	1.61
21.35	4.91	2.55	1.98	23.95	5.07	2.68	1.61
21.40	4.92	2.55	1.97	24.00	**5.07**	**2.68**	1.60
21.45	4.92	2.56	1.96	24.05	5.07	2.68	1.61
21.50	4.92	2.56	1.96	24.10	5.07	2.68	1.60
21.55	4.93	2.56	1.95	24.15	5.07	2.68	1.58
21.60	4.93	2.56	1.95	24.20	5.07	2.68	1.51
21.65	4.93	2.57	1.94	24.25	5.07	2.68	1.36
21.70	4.94	2.57	1.93	24.30	5.07	2.68	1.17
21.75	4.94	2.57	1.92	24.35	5.07	2.68	0.97
21.80	4.94	2.58	1.91	24.40	5.07	2.68	0.76
21.85	4.95	2.58	1.91	24.45	5.07	2.68	0.58
21.90	4.95	2.58	1.90	24.50	5.07	2.68	0.44
21.95	4.95	2.58	1.89	24.55	5.07	2.68	0.33
22.00	4.96	2.59	1.89	24.60	5.07	2.68	0.25
22.05	4.96	2.59	1.88	24.65	5.07	2.68	0.19
22.10	4.96	2.59	1.87	24.70	5.07	2.68	0.14
22.15	4.96	2.59	1.87	24.75	5.07	2.68	0.11
22.20	4.97	2.60	1.86	24.80	5.07	2.68	0.08
22.25	4.97	2.60	1.85	24.85	5.07	2.68	0.06
22.30	4.97	2.60	1.84	24.90	5.07	2.68	0.05
22.35	4.98	2.60	1.84	24.95	5.07	2.68	0.03
22.40	4.98	2.61	1.83	25.00	5.07	2.68	0.03
22.45	4.98	2.61	1.82	25.05	5.07	2.68	0.02
22.50	4.99	2.61	1.82	25.10	5.07	2.68	0.01
22.55	4.99	2.61	1.81	25.15	5.07	2.68	0.01
22.60	4.99	2.62	1.80	25.20	5.07	2.68	0.01
22.65	4.99	2.62	1.79	25.25	5.07	2.68	0.01
22.70	5.00	2.62	1.79	25.30	5.07	2.68	0.00
22.75	5.00	2.62	1.78	25.35	5.07	2.68	0.00
22.80	5.00	2.63	1.77	25.40	5.07	2.68	0.00
22.85	5.01	2.63	1.77	25.45	5.07	2.68	0.00
22.90	5.01	2.63	1.76	25.50	5.07	2.68	0.00
22.95	5.01	2.63	1.75	25.55	5.07	2.68	0.00
23.00	5.01	2.64	1.74	25.60	5.07	2.68	0.00
23.05	5.02	2.64	1.74	25.65	5.07	2.68	0.00
23.10	5.02	2.64	1.73	25.70	5.07	2.68	0.00
23.15	5.02	2.64	1.72	25.75	5.07	2.68	0.00
23.20	5.03	2.64	1.72	25.80	5.07	2.68	0.00
23.25	5.03	2.65	1.71	25.85	5.07	2.68	0.00
23.30	5.03	2.65	1.70	25.90	5.07	2.68	0.00
23.35	5.03	2.65	1.69	25.95	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.68	0.00	28.60	5.07	2.68	0.00
26.05	5.07	2.68	0.00	28.65	5.07	2.68	0.00
26.10	5.07	2.68	0.00	28.70	5.07	2.68	0.00
26.15	5.07	2.68	0.00	28.75	5.07	2.68	0.00
26.20	5.07	2.68	0.00	28.80	5.07	2.68	0.00
26.25	5.07	2.68	0.00	28.85	5.07	2.68	0.00
26.30	5.07	2.68	0.00	28.90	5.07	2.68	0.00
26.35	5.07	2.68	0.00	28.95	5.07	2.68	0.00
26.40	5.07	2.68	0.00	29.00	5.07	2.68	0.00
26.45	5.07	2.68	0.00	29.05	5.07	2.68	0.00
26.50	5.07	2.68	0.00	29.10	5.07	2.68	0.00
26.55	5.07	2.68	0.00	29.15	5.07	2.68	0.00
26.60	5.07	2.68	0.00	29.20	5.07	2.68	0.00
26.65	5.07	2.68	0.00	29.25	5.07	2.68	0.00
26.70	5.07	2.68	0.00	29.30	5.07	2.68	0.00
26.75	5.07	2.68	0.00	29.35	5.07	2.68	0.00
26.80	5.07	2.68	0.00	29.40	5.07	2.68	0.00
26.85	5.07	2.68	0.00	29.45	5.07	2.68	0.00
26.90	5.07	2.68	0.00	29.50	5.07	2.68	0.00
26.95	5.07	2.68	0.00	29.55	5.07	2.68	0.00
27.00	5.07	2.68	0.00	29.60	5.07	2.68	0.00
27.05	5.07	2.68	0.00	29.65	5.07	2.68	0.00
27.10	5.07	2.68	0.00	29.70	5.07	2.68	0.00
27.15	5.07	2.68	0.00	29.75	5.07	2.68	0.00
27.20	5.07	2.68	0.00	29.80	5.07	2.68	0.00
27.25	5.07	2.68	0.00	29.85	5.07	2.68	0.00
27.30	5.07	2.68	0.00	29.90	5.07	2.68	0.00
27.35	5.07	2.68	0.00	29.95	5.07	2.68	0.00
27.40	5.07	2.68	0.00	30.00	5.07	2.68	0.00
27.45	5.07	2.68	0.00	30.05	5.07	2.68	0.00
27.50	5.07	2.68	0.00	30.10	5.07	2.68	0.00
27.55	5.07	2.68	0.00	30.15	5.07	2.68	0.00
27.60	5.07	2.68	0.00	30.20	5.07	2.68	0.00
27.65	5.07	2.68	0.00	30.25	5.07	2.68	0.00
27.70	5.07	2.68	0.00	30.30	5.07	2.68	0.00
27.75	5.07	2.68	0.00	30.35	5.07	2.68	0.00
27.80	5.07	2.68	0.00	30.40	5.07	2.68	0.00
27.85	5.07	2.68	0.00	30.45	5.07	2.68	0.00
27.90	5.07	2.68	0.00	30.50	5.07	2.68	0.00
27.95	5.07	2.68	0.00	30.55	5.07	2.68	0.00
28.00	5.07	2.68	0.00	30.60	5.07	2.68	0.00
28.05	5.07	2.68	0.00	30.65	5.07	2.68	0.00
28.10	5.07	2.68	0.00	30.70	5.07	2.68	0.00
28.15	5.07	2.68	0.00	30.75	5.07	2.68	0.00
28.20	5.07	2.68	0.00	30.80	5.07	2.68	0.00
28.25	5.07	2.68	0.00	30.85	5.07	2.68	0.00
28.30	5.07	2.68	0.00	30.90	5.07	2.68	0.00
28.35	5.07	2.68	0.00	30.95	5.07	2.68	0.00
28.40	5.07	2.68	0.00	31.00	5.07	2.68	0.00
28.45	5.07	2.68	0.00	31.05	5.07	2.68	0.00
28.50	5.07	2.68	0.00	31.10	5.07	2.68	0.00
28.55	5.07	2.68	0.00	31.15	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.68	0.00	33.80	5.07	2.68	0.00
31.25	5.07	2.68	0.00	33.85	5.07	2.68	0.00
31.30	5.07	2.68	0.00	33.90	5.07	2.68	0.00
31.35	5.07	2.68	0.00	33.95	5.07	2.68	0.00
31.40	5.07	2.68	0.00	34.00	5.07	2.68	0.00
31.45	5.07	2.68	0.00	34.05	5.07	2.68	0.00
31.50	5.07	2.68	0.00	34.10	5.07	2.68	0.00
31.55	5.07	2.68	0.00	34.15	5.07	2.68	0.00
31.60	5.07	2.68	0.00	34.20	5.07	2.68	0.00
31.65	5.07	2.68	0.00	34.25	5.07	2.68	0.00
31.70	5.07	2.68	0.00	34.30	5.07	2.68	0.00
31.75	5.07	2.68	0.00	34.35	5.07	2.68	0.00
31.80	5.07	2.68	0.00	34.40	5.07	2.68	0.00
31.85	5.07	2.68	0.00	34.45	5.07	2.68	0.00
31.90	5.07	2.68	0.00	34.50	5.07	2.68	0.00
31.95	5.07	2.68	0.00	34.55	5.07	2.68	0.00
32.00	5.07	2.68	0.00	34.60	5.07	2.68	0.00
32.05	5.07	2.68	0.00	34.65	5.07	2.68	0.00
32.10	5.07	2.68	0.00	34.70	5.07	2.68	0.00
32.15	5.07	2.68	0.00	34.75	5.07	2.68	0.00
32.20	5.07	2.68	0.00	34.80	5.07	2.68	0.00
32.25	5.07	2.68	0.00	34.85	5.07	2.68	0.00
32.30	5.07	2.68	0.00	34.90	5.07	2.68	0.00
32.35	5.07	2.68	0.00	34.95	5.07	2.68	0.00
32.40	5.07	2.68	0.00	35.00	5.07	2.68	0.00
32.45	5.07	2.68	0.00	35.05	5.07	2.68	0.00
32.50	5.07	2.68	0.00	35.10	5.07	2.68	0.00
32.55	5.07	2.68	0.00	35.15	5.07	2.68	0.00
32.60	5.07	2.68	0.00	35.20	5.07	2.68	0.00
32.65	5.07	2.68	0.00	35.25	5.07	2.68	0.00
32.70	5.07	2.68	0.00	35.30	5.07	2.68	0.00
32.75	5.07	2.68	0.00	35.35	5.07	2.68	0.00
32.80	5.07	2.68	0.00	35.40	5.07	2.68	0.00
32.85	5.07	2.68	0.00	35.45	5.07	2.68	0.00
32.90	5.07	2.68	0.00	35.50	5.07	2.68	0.00
32.95	5.07	2.68	0.00	35.55	5.07	2.68	0.00
33.00	5.07	2.68	0.00	35.60	5.07	2.68	0.00
33.05	5.07	2.68	0.00	35.65	5.07	2.68	0.00
33.10	5.07	2.68	0.00	35.70	5.07	2.68	0.00
33.15	5.07	2.68	0.00	35.75	5.07	2.68	0.00
33.20	5.07	2.68	0.00	35.80	5.07	2.68	0.00
33.25	5.07	2.68	0.00	35.85	5.07	2.68	0.00
33.30	5.07	2.68	0.00	35.90	5.07	2.68	0.00
33.35	5.07	2.68	0.00	35.95	5.07	2.68	0.00
33.40	5.07	2.68	0.00	36.00	5.07	2.68	0.00
33.45	5.07	2.68	0.00	36.05	5.07	2.68	0.00
33.50	5.07	2.68	0.00	36.10	5.07	2.68	0.00
33.55	5.07	2.68	0.00	36.15	5.07	2.68	0.00
33.60	5.07	2.68	0.00	36.20	5.07	2.68	0.00
33.65	5.07	2.68	0.00	36.25	5.07	2.68	0.00
33.70	5.07	2.68	0.00	36.30	5.07	2.68	0.00
33.75	5.07	2.68	0.00	36.35	5.07	2.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.68	0.00
36.45	5.07	2.68	0.00
36.50	5.07	2.68	0.00
36.55	5.07	2.68	0.00
36.60	5.07	2.68	0.00
36.65	5.07	2.68	0.00
36.70	5.07	2.68	0.00
36.75	5.07	2.68	0.00
36.80	5.07	2.68	0.00
36.85	5.07	2.68	0.00
36.90	5.07	2.68	0.00
36.95	5.07	2.68	0.00
37.00	5.07	2.68	0.00
37.05	5.07	2.68	0.00
37.10	5.07	2.68	0.00
37.15	5.07	2.68	0.00
37.20	5.07	2.68	0.00
37.25	5.07	2.68	0.00
37.30	5.07	2.68	0.00
37.35	5.07	2.68	0.00
37.40	5.07	2.68	0.00
37.45	5.07	2.68	0.00
37.50	5.07	2.68	0.00
37.55	5.07	2.68	0.00
37.60	5.07	2.68	0.00
37.65	5.07	2.68	0.00
37.70	5.07	2.68	0.00
37.75	5.07	2.68	0.00
37.80	5.07	2.68	0.00
37.85	5.07	2.68	0.00
37.90	5.07	2.68	0.00
37.95	5.07	2.68	0.00
38.00	5.07	2.68	0.00
38.05	5.07	2.68	0.00
38.10	5.07	2.68	0.00
38.15	5.07	2.68	0.00
38.20	5.07	2.68	0.00
38.25	5.07	2.68	0.00
38.30	5.07	2.68	0.00
38.35	5.07	2.68	0.00
38.40	5.07	2.68	0.00
38.45	5.07	2.68	0.00
38.50	5.07	2.68	0.00
38.55	5.07	2.68	0.00
38.60	5.07	2.68	0.00
38.65	5.07	2.68	0.00
38.70	5.07	2.68	0.00
38.75	5.07	2.68	0.00
38.80	5.07	2.68	0.00
38.85	5.07	2.68	0.00
38.90	5.07	2.68	0.00
38.95	5.07	2.68	0.00
39.00	5.07	2.68	0.00
39.05	5.07	2.68	0.00
39.10	5.07	2.68	0.00
39.15	5.07	2.68	0.00
39.20	5.07	2.68	0.00
39.25	5.07	2.68	0.00
39.30	5.07	2.68	0.00
39.35	5.07	2.68	0.00
39.40	5.07	2.68	0.00
39.45	5.07	2.68	0.00
39.50	5.07	2.68	0.00
39.55	5.07	2.68	0.00
39.60	5.07	2.68	0.00
39.65	5.07	2.68	0.00
39.70	5.07	2.68	0.00
39.75	5.07	2.68	0.00
39.80	5.07	2.68	0.00
39.85	5.07	2.68	0.00
39.90	5.07	2.68	0.00
39.95	5.07	2.68	0.00
40.00	5.07	2.68	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

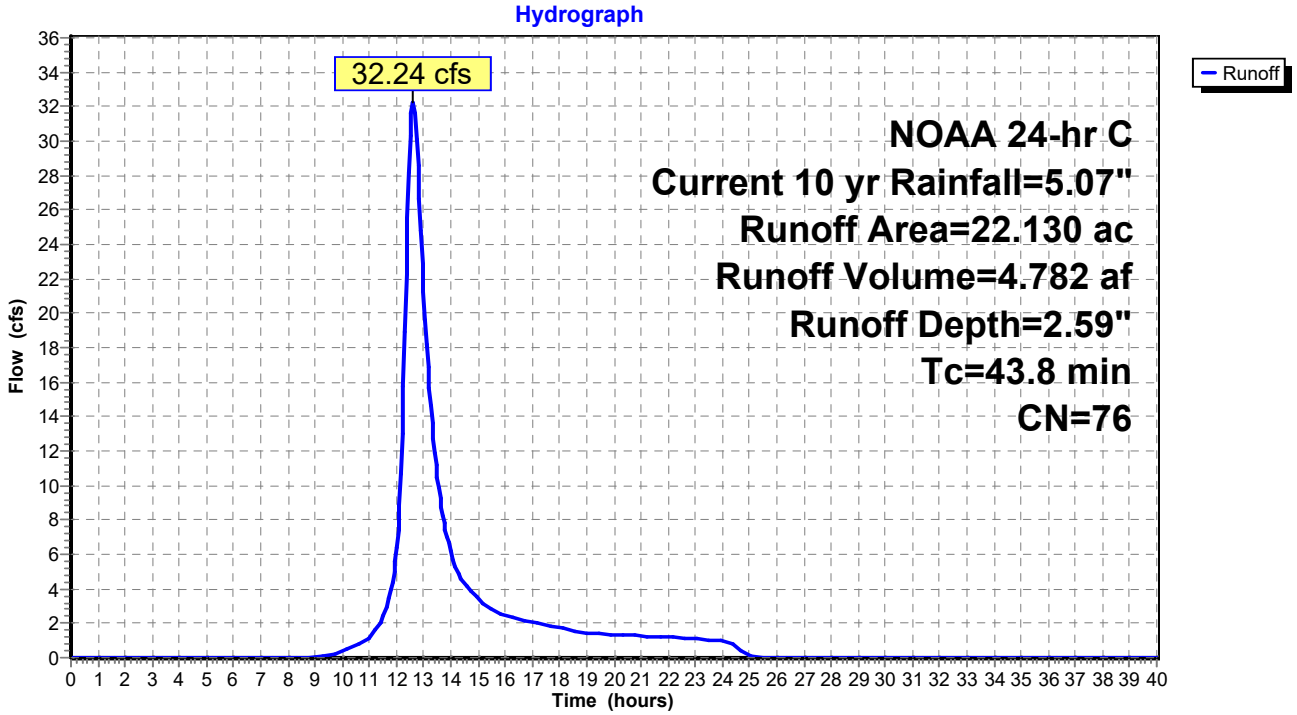
Runoff = 32.24 cfs @ 12.61 hrs, Volume= 4.782 af, Depth= 2.59"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.01
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.01
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.01
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.02
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.03
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.03
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.04
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.05
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.06
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.07
6.55	0.45	0.00	0.00	9.15	0.76	0.01	0.08
6.60	0.46	0.00	0.00	9.20	0.77	0.01	0.09
6.65	0.46	0.00	0.00	9.25	0.78	0.01	0.10
6.70	0.46	0.00	0.00	9.30	0.79	0.01	0.12
6.75	0.47	0.00	0.00	9.35	0.80	0.01	0.13
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.14
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.16
6.90	0.48	0.00	0.00	9.50	0.82	0.01	0.17
6.95	0.49	0.00	0.00	9.55	0.83	0.01	0.19
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.21
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.22
7.10	0.50	0.00	0.00	9.70	0.86	0.02	0.24
7.15	0.51	0.00	0.00	9.75	0.87	0.02	0.26
7.20	0.52	0.00	0.00	9.80	0.88	0.02	0.29
7.25	0.52	0.00	0.00	9.85	0.89	0.02	0.31
7.30	0.53	0.00	0.00	9.90	0.90	0.02	0.33
7.35	0.53	0.00	0.00	9.95	0.91	0.02	0.35
7.40	0.54	0.00	0.00	10.00	0.92	0.02	0.38
7.45	0.54	0.00	0.00	10.05	0.94	0.03	0.41
7.50	0.55	0.00	0.00	10.10	0.95	0.03	0.43
7.55	0.55	0.00	0.00	10.15	0.96	0.03	0.46
7.60	0.56	0.00	0.00	10.20	0.97	0.03	0.49
7.65	0.57	0.00	0.00	10.25	0.98	0.04	0.52
7.70	0.57	0.00	0.00	10.30	0.99	0.04	0.55
7.75	0.58	0.00	0.00	10.35	1.01	0.04	0.59

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.04	0.62	13.00	3.85	1.63	21.21
10.45	1.03	0.05	0.66	13.05	3.87	1.64	19.64
10.50	1.04	0.05	0.69	13.10	3.89	1.66	18.22
10.55	1.06	0.05	0.73	13.15	3.91	1.67	16.91
10.60	1.07	0.05	0.77	13.20	3.93	1.69	15.71
10.65	1.09	0.06	0.81	13.25	3.95	1.70	14.61
10.70	1.10	0.06	0.85	13.30	3.97	1.71	13.62
10.75	1.12	0.07	0.89	13.35	3.98	1.72	12.72
10.80	1.14	0.07	0.94	13.40	4.00	1.74	11.90
10.85	1.16	0.08	0.99	13.45	4.01	1.75	11.15
10.90	1.18	0.08	1.05	13.50	4.03	1.76	10.48
10.95	1.20	0.09	1.12	13.55	4.04	1.77	9.85
11.00	1.22	0.09	1.18	13.60	4.05	1.78	9.29
11.05	1.24	0.10	1.26	13.65	4.06	1.79	8.76
11.10	1.26	0.11	1.34	13.70	4.08	1.80	8.28
11.15	1.29	0.11	1.44	13.75	4.09	1.81	7.84
11.20	1.31	0.12	1.54	13.80	4.10	1.82	7.43
11.25	1.34	0.13	1.65	13.85	4.11	1.82	7.05
11.30	1.37	0.14	1.77	13.90	4.12	1.83	6.70
11.35	1.40	0.15	1.90	13.95	4.13	1.84	6.39
11.40	1.43	0.16	2.05	14.00	4.15	1.85	6.09
11.45	1.47	0.17	2.21	14.05	4.16	1.86	5.83
11.50	1.50	0.19	2.38	14.10	4.17	1.87	5.58
11.55	1.55	0.21	2.58	14.15	4.18	1.88	5.37
11.60	1.60	0.23	2.79	14.20	4.19	1.88	5.17
11.65	1.65	0.25	3.03	14.25	4.20	1.89	4.99
11.70	1.71	0.27	3.30	14.30	4.21	1.90	4.83
11.75	1.78	0.31	3.61	14.35	4.22	1.91	4.68
11.80	1.86	0.34	3.98	14.40	4.23	1.92	4.54
11.85	1.96	0.39	4.42	14.45	4.24	1.92	4.42
11.90	2.06	0.45	4.96	14.50	4.25	1.93	4.29
11.95	2.24	0.54	5.60	14.55	4.26	1.94	4.19
12.00	2.42	0.64	6.41	14.60	4.27	1.94	4.09
12.05	2.71	0.83	7.44	14.65	4.27	1.95	4.00
12.10	3.01	1.02	8.82	14.70	4.28	1.96	3.92
12.15	3.11	1.09	10.66	14.75	4.29	1.96	3.84
12.20	3.21	1.16	12.97	14.80	4.30	1.97	3.76
12.25	3.29	1.21	15.76	14.85	4.31	1.98	3.68
12.30	3.36	1.27	18.91	14.90	4.31	1.98	3.61
12.35	3.42	1.30	22.27	14.95	4.32	1.99	3.54
12.40	3.47	1.34	25.48	15.00	4.33	1.99	3.47
12.45	3.52	1.38	28.22	15.05	4.34	2.00	3.40
12.50	3.57	1.42	30.33	15.10	4.34	2.01	3.33
12.55	3.60	1.44	31.60	15.15	4.35	2.01	3.26
12.60	3.64	1.47	**32.21**	15.20	4.36	2.02	3.19
12.65	3.67	1.49	32.02	15.25	4.36	2.02	3.13
12.70	3.70	1.51	31.33	15.30	4.37	2.03	3.06
12.75	3.73	1.53	30.09	15.35	4.38	2.03	3.00
12.80	3.76	1.55	28.53	15.40	4.39	2.04	2.94
12.85	3.78	1.57	26.66	15.45	4.39	2.04	2.88
12.90	3.81	1.59	24.77	15.50	4.40	2.05	2.82
12.95	3.83	1.61	22.92	15.55	4.41	2.05	2.77

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	2.06	2.72	18.20	4.68	2.28	1.66
15.65	4.42	2.06	2.68	18.25	4.69	2.28	1.64
15.70	4.42	2.07	2.64	18.30	4.69	2.28	1.62
15.75	4.43	2.08	2.60	18.35	4.70	2.29	1.61
15.80	4.44	2.08	2.57	18.40	4.70	2.29	1.59
15.85	4.44	2.09	2.54	18.45	4.70	2.29	1.57
15.90	4.45	2.09	2.51	18.50	4.71	2.30	1.56
15.95	4.46	2.10	2.48	18.55	4.71	2.30	1.55
16.00	4.46	2.10	2.46	18.60	4.72	2.30	1.53
16.05	4.47	2.10	2.43	18.65	4.72	2.31	1.52
16.10	4.47	2.11	2.41	18.70	4.72	2.31	1.51
16.15	4.48	2.11	2.39	18.75	4.73	2.31	1.50
16.20	4.49	2.12	2.37	18.80	4.73	2.32	1.49
16.25	4.49	2.12	2.34	18.85	4.74	2.32	1.48
16.30	4.50	2.13	2.33	18.90	4.74	2.32	1.47
16.35	4.50	2.13	2.30	18.95	4.74	2.33	1.47
16.40	4.51	2.14	2.29	19.00	4.75	2.33	1.46
16.45	4.52	2.14	2.27	19.05	4.75	2.33	1.45
16.50	4.52	2.15	2.25	19.10	4.76	2.34	1.45
16.55	4.53	2.15	2.23	19.15	4.76	2.34	1.44
16.60	4.53	2.16	2.22	19.20	4.76	2.34	1.44
16.65	4.54	2.16	2.20	19.25	4.77	2.34	1.43
16.70	4.54	2.16	2.18	19.30	4.77	2.35	1.43
16.75	4.55	2.17	2.16	19.35	4.77	2.35	1.42
16.80	4.55	2.17	2.14	19.40	4.78	2.35	1.42
16.85	4.56	2.18	2.13	19.45	4.78	2.36	1.41
16.90	4.57	2.18	2.11	19.50	4.79	2.36	1.41
16.95	4.57	2.19	2.09	19.55	4.79	2.36	1.40
17.00	4.58	2.19	2.07	19.60	4.79	2.37	1.40
17.05	4.58	2.19	2.06	19.65	4.80	2.37	1.39
17.10	4.59	2.20	2.04	19.70	4.80	2.37	1.39
17.15	4.59	2.20	2.02	19.75	4.80	2.37	1.38
17.20	4.60	2.21	2.01	19.80	4.81	2.38	1.38
17.25	4.60	2.21	1.99	19.85	4.81	2.38	1.38
17.30	4.61	2.21	1.97	19.90	4.81	2.38	1.37
17.35	4.61	2.22	1.95	19.95	4.82	2.39	1.37
17.40	4.61	2.22	1.94	20.00	4.82	2.39	1.36
17.45	4.62	2.23	1.92	20.05	4.83	2.39	1.36
17.50	4.62	2.23	1.90	20.10	4.83	2.40	1.36
17.55	4.63	2.23	1.88	20.15	4.83	2.40	1.35
17.60	4.63	2.24	1.87	20.20	4.84	2.40	1.35
17.65	4.64	2.24	1.85	20.25	4.84	2.40	1.34
17.70	4.64	2.24	1.83	20.30	4.84	2.41	1.34
17.75	4.65	2.25	1.82	20.35	4.85	2.41	1.33
17.80	4.65	2.25	1.80	20.40	4.85	2.41	1.33
17.85	4.66	2.25	1.78	20.45	4.85	2.42	1.33
17.90	4.66	2.26	1.76	20.50	4.86	2.42	1.32
17.95	4.66	2.26	1.75	20.55	4.86	2.42	1.32
18.00	4.67	2.26	1.73	20.60	4.86	2.42	1.31
18.05	4.67	2.27	1.71	20.65	4.87	2.43	1.31
18.10	4.68	2.27	1.69	20.70	4.87	2.43	1.30
18.15	4.68	2.27	1.68	20.75	4.87	2.43	1.30

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.44	1.30	23.40	5.04	2.57	1.07
20.85	4.88	2.44	1.29	23.45	5.04	2.57	1.06
20.90	4.88	2.44	1.29	23.50	5.04	2.57	1.06
20.95	4.89	2.44	1.28	23.55	5.04	2.57	1.05
21.00	4.89	2.45	1.28	23.60	5.05	2.57	1.05
21.05	4.89	2.45	1.27	23.65	5.05	2.58	1.04
21.10	4.90	2.45	1.27	23.70	5.05	2.58	1.04
21.15	4.90	2.45	1.27	23.75	5.06	2.58	1.04
21.20	4.90	2.46	1.26	23.80	5.06	2.58	1.03
21.25	4.91	2.46	1.26	23.85	5.06	2.59	1.03
21.30	4.91	2.46	1.25	23.90	5.06	2.59	1.02
21.35	4.91	2.46	1.25	23.95	5.07	2.59	1.02
21.40	4.92	2.47	1.24	24.00	**5.07**	**2.59**	1.01
21.45	4.92	2.47	1.24	24.05	5.07	2.59	1.01
21.50	4.92	2.47	1.23	24.10	5.07	2.59	1.01
21.55	4.93	2.48	1.23	24.15	5.07	2.59	1.00
21.60	4.93	2.48	1.23	24.20	5.07	2.59	0.99
21.65	4.93	2.48	1.22	24.25	5.07	2.59	0.97
21.70	4.94	2.48	1.22	24.30	5.07	2.59	0.94
21.75	4.94	2.49	1.21	24.35	5.07	2.59	0.90
21.80	4.94	2.49	1.21	24.40	5.07	2.59	0.84
21.85	4.95	2.49	1.20	24.45	5.07	2.59	0.78
21.90	4.95	2.49	1.20	24.50	5.07	2.59	0.70
21.95	4.95	2.50	1.20	24.55	5.07	2.59	0.63
22.00	4.96	2.50	1.19	24.60	5.07	2.59	0.55
22.05	4.96	2.50	1.19	24.65	5.07	2.59	0.48
22.10	4.96	2.50	1.18	24.70	5.07	2.59	0.41
22.15	4.96	2.51	1.18	24.75	5.07	2.59	0.35
22.20	4.97	2.51	1.17	24.80	5.07	2.59	0.29
22.25	4.97	2.51	1.17	24.85	5.07	2.59	0.24
22.30	4.97	2.51	1.16	24.90	5.07	2.59	0.21
22.35	4.98	2.52	1.16	24.95	5.07	2.59	0.17
22.40	4.98	2.52	1.16	25.00	5.07	2.59	0.15
22.45	4.98	2.52	1.15	25.05	5.07	2.59	0.12
22.50	4.99	2.52	1.15	25.10	5.07	2.59	0.11
22.55	4.99	2.53	1.14	25.15	5.07	2.59	0.09
22.60	4.99	2.53	1.14	25.20	5.07	2.59	0.07
22.65	4.99	2.53	1.13	25.25	5.07	2.59	0.06
22.70	5.00	2.53	1.13	25.30	5.07	2.59	0.05
22.75	5.00	2.54	1.13	25.35	5.07	2.59	0.04
22.80	5.00	2.54	1.12	25.40	5.07	2.59	0.04
22.85	5.01	2.54	1.12	25.45	5.07	2.59	0.03
22.90	5.01	2.54	1.11	25.50	5.07	2.59	0.03
22.95	5.01	2.55	1.11	25.55	5.07	2.59	0.02
23.00	5.01	2.55	1.10	25.60	5.07	2.59	0.02
23.05	5.02	2.55	1.10	25.65	5.07	2.59	0.02
23.10	5.02	2.55	1.09	25.70	5.07	2.59	0.01
23.15	5.02	2.55	1.09	25.75	5.07	2.59	0.01
23.20	5.03	2.56	1.09	25.80	5.07	2.59	0.01
23.25	5.03	2.56	1.08	25.85	5.07	2.59	0.01
23.30	5.03	2.56	1.08	25.90	5.07	2.59	0.01
23.35	5.03	2.56	1.07	25.95	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.59	0.00	28.60	5.07	2.59	0.00
26.05	5.07	2.59	0.00	28.65	5.07	2.59	0.00
26.10	5.07	2.59	0.00	28.70	5.07	2.59	0.00
26.15	5.07	2.59	0.00	28.75	5.07	2.59	0.00
26.20	5.07	2.59	0.00	28.80	5.07	2.59	0.00
26.25	5.07	2.59	0.00	28.85	5.07	2.59	0.00
26.30	5.07	2.59	0.00	28.90	5.07	2.59	0.00
26.35	5.07	2.59	0.00	28.95	5.07	2.59	0.00
26.40	5.07	2.59	0.00	29.00	5.07	2.59	0.00
26.45	5.07	2.59	0.00	29.05	5.07	2.59	0.00
26.50	5.07	2.59	0.00	29.10	5.07	2.59	0.00
26.55	5.07	2.59	0.00	29.15	5.07	2.59	0.00
26.60	5.07	2.59	0.00	29.20	5.07	2.59	0.00
26.65	5.07	2.59	0.00	29.25	5.07	2.59	0.00
26.70	5.07	2.59	0.00	29.30	5.07	2.59	0.00
26.75	5.07	2.59	0.00	29.35	5.07	2.59	0.00
26.80	5.07	2.59	0.00	29.40	5.07	2.59	0.00
26.85	5.07	2.59	0.00	29.45	5.07	2.59	0.00
26.90	5.07	2.59	0.00	29.50	5.07	2.59	0.00
26.95	5.07	2.59	0.00	29.55	5.07	2.59	0.00
27.00	5.07	2.59	0.00	29.60	5.07	2.59	0.00
27.05	5.07	2.59	0.00	29.65	5.07	2.59	0.00
27.10	5.07	2.59	0.00	29.70	5.07	2.59	0.00
27.15	5.07	2.59	0.00	29.75	5.07	2.59	0.00
27.20	5.07	2.59	0.00	29.80	5.07	2.59	0.00
27.25	5.07	2.59	0.00	29.85	5.07	2.59	0.00
27.30	5.07	2.59	0.00	29.90	5.07	2.59	0.00
27.35	5.07	2.59	0.00	29.95	5.07	2.59	0.00
27.40	5.07	2.59	0.00	30.00	5.07	2.59	0.00
27.45	5.07	2.59	0.00	30.05	5.07	2.59	0.00
27.50	5.07	2.59	0.00	30.10	5.07	2.59	0.00
27.55	5.07	2.59	0.00	30.15	5.07	2.59	0.00
27.60	5.07	2.59	0.00	30.20	5.07	2.59	0.00
27.65	5.07	2.59	0.00	30.25	5.07	2.59	0.00
27.70	5.07	2.59	0.00	30.30	5.07	2.59	0.00
27.75	5.07	2.59	0.00	30.35	5.07	2.59	0.00
27.80	5.07	2.59	0.00	30.40	5.07	2.59	0.00
27.85	5.07	2.59	0.00	30.45	5.07	2.59	0.00
27.90	5.07	2.59	0.00	30.50	5.07	2.59	0.00
27.95	5.07	2.59	0.00	30.55	5.07	2.59	0.00
28.00	5.07	2.59	0.00	30.60	5.07	2.59	0.00
28.05	5.07	2.59	0.00	30.65	5.07	2.59	0.00
28.10	5.07	2.59	0.00	30.70	5.07	2.59	0.00
28.15	5.07	2.59	0.00	30.75	5.07	2.59	0.00
28.20	5.07	2.59	0.00	30.80	5.07	2.59	0.00
28.25	5.07	2.59	0.00	30.85	5.07	2.59	0.00
28.30	5.07	2.59	0.00	30.90	5.07	2.59	0.00
28.35	5.07	2.59	0.00	30.95	5.07	2.59	0.00
28.40	5.07	2.59	0.00	31.00	5.07	2.59	0.00
28.45	5.07	2.59	0.00	31.05	5.07	2.59	0.00
28.50	5.07	2.59	0.00	31.10	5.07	2.59	0.00
28.55	5.07	2.59	0.00	31.15	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.59	0.00	33.80	5.07	2.59	0.00
31.25	5.07	2.59	0.00	33.85	5.07	2.59	0.00
31.30	5.07	2.59	0.00	33.90	5.07	2.59	0.00
31.35	5.07	2.59	0.00	33.95	5.07	2.59	0.00
31.40	5.07	2.59	0.00	34.00	5.07	2.59	0.00
31.45	5.07	2.59	0.00	34.05	5.07	2.59	0.00
31.50	5.07	2.59	0.00	34.10	5.07	2.59	0.00
31.55	5.07	2.59	0.00	34.15	5.07	2.59	0.00
31.60	5.07	2.59	0.00	34.20	5.07	2.59	0.00
31.65	5.07	2.59	0.00	34.25	5.07	2.59	0.00
31.70	5.07	2.59	0.00	34.30	5.07	2.59	0.00
31.75	5.07	2.59	0.00	34.35	5.07	2.59	0.00
31.80	5.07	2.59	0.00	34.40	5.07	2.59	0.00
31.85	5.07	2.59	0.00	34.45	5.07	2.59	0.00
31.90	5.07	2.59	0.00	34.50	5.07	2.59	0.00
31.95	5.07	2.59	0.00	34.55	5.07	2.59	0.00
32.00	5.07	2.59	0.00	34.60	5.07	2.59	0.00
32.05	5.07	2.59	0.00	34.65	5.07	2.59	0.00
32.10	5.07	2.59	0.00	34.70	5.07	2.59	0.00
32.15	5.07	2.59	0.00	34.75	5.07	2.59	0.00
32.20	5.07	2.59	0.00	34.80	5.07	2.59	0.00
32.25	5.07	2.59	0.00	34.85	5.07	2.59	0.00
32.30	5.07	2.59	0.00	34.90	5.07	2.59	0.00
32.35	5.07	2.59	0.00	34.95	5.07	2.59	0.00
32.40	5.07	2.59	0.00	35.00	5.07	2.59	0.00
32.45	5.07	2.59	0.00	35.05	5.07	2.59	0.00
32.50	5.07	2.59	0.00	35.10	5.07	2.59	0.00
32.55	5.07	2.59	0.00	35.15	5.07	2.59	0.00
32.60	5.07	2.59	0.00	35.20	5.07	2.59	0.00
32.65	5.07	2.59	0.00	35.25	5.07	2.59	0.00
32.70	5.07	2.59	0.00	35.30	5.07	2.59	0.00
32.75	5.07	2.59	0.00	35.35	5.07	2.59	0.00
32.80	5.07	2.59	0.00	35.40	5.07	2.59	0.00
32.85	5.07	2.59	0.00	35.45	5.07	2.59	0.00
32.90	5.07	2.59	0.00	35.50	5.07	2.59	0.00
32.95	5.07	2.59	0.00	35.55	5.07	2.59	0.00
33.00	5.07	2.59	0.00	35.60	5.07	2.59	0.00
33.05	5.07	2.59	0.00	35.65	5.07	2.59	0.00
33.10	5.07	2.59	0.00	35.70	5.07	2.59	0.00
33.15	5.07	2.59	0.00	35.75	5.07	2.59	0.00
33.20	5.07	2.59	0.00	35.80	5.07	2.59	0.00
33.25	5.07	2.59	0.00	35.85	5.07	2.59	0.00
33.30	5.07	2.59	0.00	35.90	5.07	2.59	0.00
33.35	5.07	2.59	0.00	35.95	5.07	2.59	0.00
33.40	5.07	2.59	0.00	36.00	5.07	2.59	0.00
33.45	5.07	2.59	0.00	36.05	5.07	2.59	0.00
33.50	5.07	2.59	0.00	36.10	5.07	2.59	0.00
33.55	5.07	2.59	0.00	36.15	5.07	2.59	0.00
33.60	5.07	2.59	0.00	36.20	5.07	2.59	0.00
33.65	5.07	2.59	0.00	36.25	5.07	2.59	0.00
33.70	5.07	2.59	0.00	36.30	5.07	2.59	0.00
33.75	5.07	2.59	0.00	36.35	5.07	2.59	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.59	0.00
36.45	5.07	2.59	0.00
36.50	5.07	2.59	0.00
36.55	5.07	2.59	0.00
36.60	5.07	2.59	0.00
36.65	5.07	2.59	0.00
36.70	5.07	2.59	0.00
36.75	5.07	2.59	0.00
36.80	5.07	2.59	0.00
36.85	5.07	2.59	0.00
36.90	5.07	2.59	0.00
36.95	5.07	2.59	0.00
37.00	5.07	2.59	0.00
37.05	5.07	2.59	0.00
37.10	5.07	2.59	0.00
37.15	5.07	2.59	0.00
37.20	5.07	2.59	0.00
37.25	5.07	2.59	0.00
37.30	5.07	2.59	0.00
37.35	5.07	2.59	0.00
37.40	5.07	2.59	0.00
37.45	5.07	2.59	0.00
37.50	5.07	2.59	0.00
37.55	5.07	2.59	0.00
37.60	5.07	2.59	0.00
37.65	5.07	2.59	0.00
37.70	5.07	2.59	0.00
37.75	5.07	2.59	0.00
37.80	5.07	2.59	0.00
37.85	5.07	2.59	0.00
37.90	5.07	2.59	0.00
37.95	5.07	2.59	0.00
38.00	5.07	2.59	0.00
38.05	5.07	2.59	0.00
38.10	5.07	2.59	0.00
38.15	5.07	2.59	0.00
38.20	5.07	2.59	0.00
38.25	5.07	2.59	0.00
38.30	5.07	2.59	0.00
38.35	5.07	2.59	0.00
38.40	5.07	2.59	0.00
38.45	5.07	2.59	0.00
38.50	5.07	2.59	0.00
38.55	5.07	2.59	0.00
38.60	5.07	2.59	0.00
38.65	5.07	2.59	0.00
38.70	5.07	2.59	0.00
38.75	5.07	2.59	0.00
38.80	5.07	2.59	0.00
38.85	5.07	2.59	0.00
38.90	5.07	2.59	0.00
38.95	5.07	2.59	0.00
39.00	5.07	2.59	0.00
39.05	5.07	2.59	0.00
39.10	5.07	2.59	0.00
39.15	5.07	2.59	0.00
39.20	5.07	2.59	0.00
39.25	5.07	2.59	0.00
39.30	5.07	2.59	0.00
39.35	5.07	2.59	0.00
39.40	5.07	2.59	0.00
39.45	5.07	2.59	0.00
39.50	5.07	2.59	0.00
39.55	5.07	2.59	0.00
39.60	5.07	2.59	0.00
39.65	5.07	2.59	0.00
39.70	5.07	2.59	0.00
39.75	5.07	2.59	0.00
39.80	5.07	2.59	0.00
39.85	5.07	2.59	0.00
39.90	5.07	2.59	0.00
39.95	5.07	2.59	0.00
40.00	5.07	2.59	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

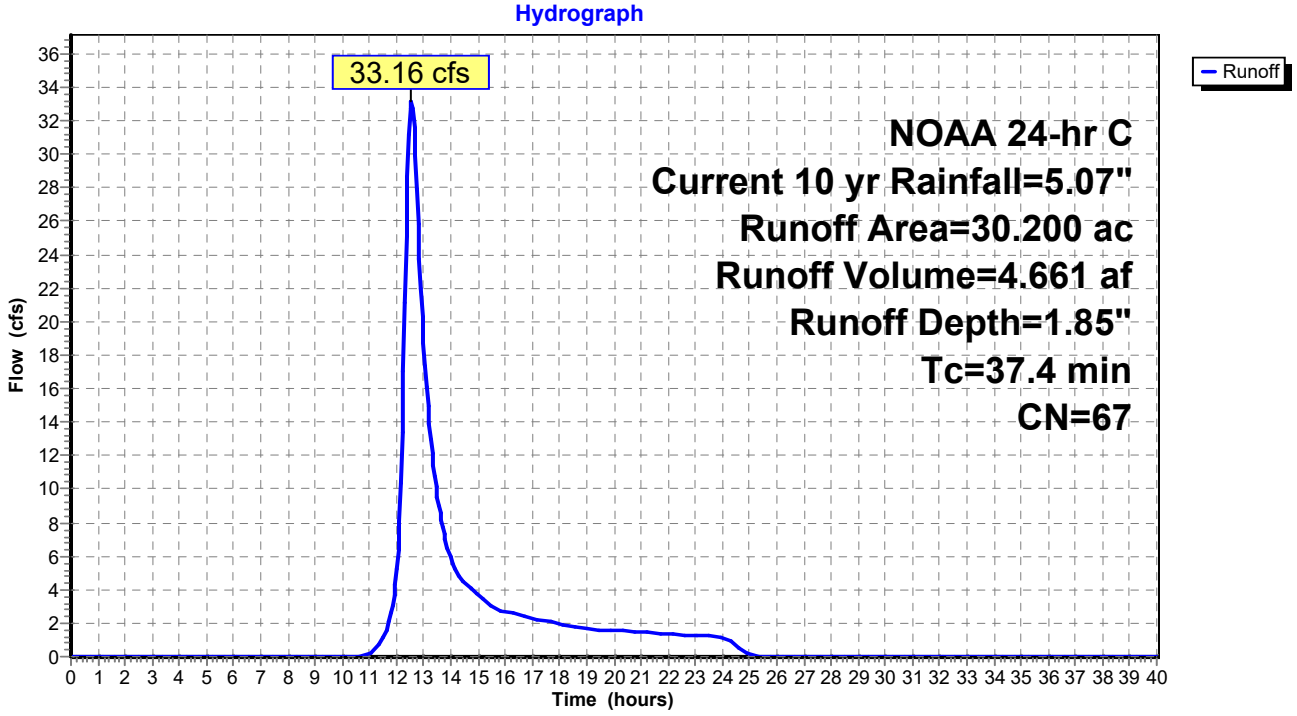
Runoff = 33.16 cfs @ 12.55 hrs, Volume= 4.661 af, Depth= 1.85"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	1.06	18.72
10.45	1.03	0.00	0.00	13.05	3.87	1.07	17.32
10.50	1.04	0.00	0.00	13.10	3.89	1.08	16.06
10.55	1.06	0.00	0.01	13.15	3.91	1.09	14.91
10.60	1.07	0.00	0.01	13.20	3.93	1.10	13.89
10.65	1.09	0.00	0.02	13.25	3.95	1.11	12.98
10.70	1.10	0.00	0.03	13.30	3.97	1.12	12.15
10.75	1.12	0.00	0.05	13.35	3.98	1.13	11.41
10.80	1.14	0.00	0.07	13.40	4.00	1.14	10.73
10.85	1.16	0.01	0.10	13.45	4.01	1.15	10.11
10.90	1.18	0.01	0.13	13.50	4.03	1.16	9.56
10.95	1.20	0.01	0.17	13.55	4.04	1.17	9.04
11.00	1.22	0.01	0.21	13.60	4.05	1.18	8.57
11.05	1.24	0.01	0.26	13.65	4.06	1.18	8.13
11.10	1.26	0.01	0.32	13.70	4.08	1.19	7.73
11.15	1.29	0.02	0.39	13.75	4.09	1.20	7.36
11.20	1.31	0.02	0.46	13.80	4.10	1.21	7.00
11.25	1.34	0.02	0.54	13.85	4.11	1.21	6.68
11.30	1.37	0.03	0.63	13.90	4.12	1.22	6.39
11.35	1.40	0.03	0.74	13.95	4.13	1.23	6.11
11.40	1.43	0.04	0.86	14.00	4.15	1.24	5.87
11.45	1.47	0.04	0.99	14.05	4.16	1.24	5.64
11.50	1.50	0.05	1.14	14.10	4.17	1.25	5.44
11.55	1.55	0.06	1.30	14.15	4.18	1.26	5.26
11.60	1.60	0.07	1.49	14.20	4.19	1.26	5.10
11.65	1.65	0.08	1.70	14.25	4.20	1.27	4.97
11.70	1.71	0.09	1.95	14.30	4.21	1.28	4.85
11.75	1.78	0.11	2.26	14.35	4.22	1.28	4.74
11.80	1.86	0.13	2.63	14.40	4.23	1.29	4.63
11.85	1.96	0.16	3.08	14.45	4.24	1.29	4.54
11.90	2.06	0.19	3.63	14.50	4.25	1.30	4.45
11.95	2.24	0.25	4.31	14.55	4.26	1.31	4.36
12.00	2.42	0.32	5.20	14.60	4.27	1.31	4.28
12.05	2.71	0.45	6.39	14.65	4.27	1.32	4.20
12.10	3.01	0.59	8.08	14.70	4.28	1.32	4.12
12.15	3.11	0.64	10.39	14.75	4.29	1.33	4.05
12.20	3.21	0.69	13.42	14.80	4.30	1.33	3.97
12.25	3.29	0.73	17.08	14.85	4.31	1.34	3.90
12.30	3.36	0.77	21.13	14.90	4.31	1.34	3.83
12.35	3.42	0.80	25.14	14.95	4.32	1.35	3.76
12.40	3.47	0.83	28.66	15.00	4.33	1.35	3.69
12.45	3.52	0.86	31.21	15.05	4.34	1.36	3.62
12.50	3.57	0.89	32.73	15.10	4.34	1.36	3.55
12.55	3.60	0.91	**33.16**	15.15	4.35	1.37	3.47
12.60	3.64	0.93	32.79	15.20	4.36	1.37	3.40
12.65	3.67	0.95	31.61	15.25	4.36	1.38	3.33
12.70	3.70	0.96	29.92	15.30	4.37	1.38	3.26
12.75	3.73	0.98	27.92	15.35	4.38	1.38	3.20
12.80	3.76	1.00	25.80	15.40	4.39	1.39	3.14
12.85	3.78	1.01	23.79	15.45	4.39	1.39	3.08
12.90	3.81	1.03	21.94	15.50	4.40	1.40	3.02
12.95	3.83	1.04	20.25	15.55	4.41	1.40	2.97

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.41	2.93	18.20	4.68	1.59	1.84
15.65	4.42	1.41	2.89	18.25	4.69	1.59	1.82
15.70	4.42	1.41	2.85	18.30	4.69	1.59	1.80
15.75	4.43	1.42	2.82	18.35	4.70	1.59	1.79
15.80	4.44	1.42	2.79	18.40	4.70	1.60	1.77
15.85	4.44	1.43	2.76	18.45	4.70	1.60	1.75
15.90	4.45	1.43	2.74	18.50	4.71	1.60	1.74
15.95	4.46	1.44	2.71	18.55	4.71	1.61	1.72
16.00	4.46	1.44	2.69	18.60	4.72	1.61	1.71
16.05	4.47	1.44	2.67	18.65	4.72	1.61	1.70
16.10	4.47	1.45	2.65	18.70	4.72	1.61	1.69
16.15	4.48	1.45	2.62	18.75	4.73	1.62	1.68
16.20	4.49	1.46	2.60	18.80	4.73	1.62	1.67
16.25	4.49	1.46	2.58	18.85	4.74	1.62	1.67
16.30	4.50	1.46	2.56	18.90	4.74	1.62	1.66
16.35	4.50	1.47	2.55	18.95	4.74	1.63	1.65
16.40	4.51	1.47	2.53	19.00	4.75	1.63	1.65
16.45	4.52	1.47	2.51	19.05	4.75	1.63	1.64
16.50	4.52	1.48	2.49	19.10	4.76	1.63	1.63
16.55	4.53	1.48	2.47	19.15	4.76	1.64	1.63
16.60	4.53	1.49	2.45	19.20	4.76	1.64	1.62
16.65	4.54	1.49	2.43	19.25	4.77	1.64	1.62
16.70	4.54	1.49	2.41	19.30	4.77	1.64	1.61
16.75	4.55	1.50	2.40	19.35	4.77	1.65	1.61
16.80	4.55	1.50	2.38	19.40	4.78	1.65	1.61
16.85	4.56	1.50	2.36	19.45	4.78	1.65	1.60
16.90	4.57	1.51	2.34	19.50	4.79	1.66	1.60
16.95	4.57	1.51	2.32	19.55	4.79	1.66	1.59
17.00	4.58	1.51	2.30	19.60	4.79	1.66	1.59
17.05	4.58	1.52	2.28	19.65	4.80	1.66	1.58
17.10	4.59	1.52	2.26	19.70	4.80	1.67	1.58
17.15	4.59	1.52	2.25	19.75	4.80	1.67	1.57
17.20	4.60	1.53	2.23	19.80	4.81	1.67	1.57
17.25	4.60	1.53	2.21	19.85	4.81	1.67	1.56
17.30	4.61	1.53	2.19	19.90	4.81	1.68	1.56
17.35	4.61	1.54	2.17	19.95	4.82	1.68	1.55
17.40	4.61	1.54	2.15	20.00	4.82	1.68	1.55
17.45	4.62	1.54	2.13	20.05	4.83	1.68	1.54
17.50	4.62	1.55	2.11	20.10	4.83	1.68	1.54
17.55	4.63	1.55	2.09	20.15	4.83	1.69	1.54
17.60	4.63	1.55	2.07	20.20	4.84	1.69	1.53
17.65	4.64	1.56	2.06	20.25	4.84	1.69	1.53
17.70	4.64	1.56	2.03	20.30	4.84	1.69	1.52
17.75	4.65	1.56	2.02	20.35	4.85	1.70	1.52
17.80	4.65	1.56	2.00	20.40	4.85	1.70	1.51
17.85	4.66	1.57	1.98	20.45	4.85	1.70	1.51
17.90	4.66	1.57	1.96	20.50	4.86	1.70	1.50
17.95	4.66	1.57	1.94	20.55	4.86	1.71	1.50
18.00	4.67	1.58	1.92	20.60	4.86	1.71	1.49
18.05	4.67	1.58	1.90	20.65	4.87	1.71	1.49
18.10	4.68	1.58	1.88	20.70	4.87	1.71	1.48
18.15	4.68	1.58	1.86	20.75	4.87	1.72	1.48

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.72	1.47	23.40	5.04	1.83	1.22
20.85	4.88	1.72	1.47	23.45	5.04	1.83	1.22
20.90	4.88	1.72	1.47	23.50	5.04	1.83	1.21
20.95	4.89	1.73	1.46	23.55	5.04	1.83	1.21
21.00	4.89	1.73	1.46	23.60	5.05	1.84	1.20
21.05	4.89	1.73	1.45	23.65	5.05	1.84	1.20
21.10	4.90	1.73	1.45	23.70	5.05	1.84	1.19
21.15	4.90	1.73	1.44	23.75	5.06	1.84	1.19
21.20	4.90	1.74	1.44	23.80	5.06	1.84	1.18
21.25	4.91	1.74	1.43	23.85	5.06	1.85	1.18
21.30	4.91	1.74	1.43	23.90	5.06	1.85	1.17
21.35	4.91	1.74	1.42	23.95	5.07	1.85	1.17
21.40	4.92	1.75	1.42	24.00	**5.07**	**1.85**	1.16
21.45	4.92	1.75	1.41	24.05	5.07	1.85	1.16
21.50	4.92	1.75	1.41	24.10	5.07	1.85	1.15
21.55	4.93	1.75	1.40	24.15	5.07	1.85	1.15
21.60	4.93	1.75	1.40	24.20	5.07	1.85	1.13
21.65	4.93	1.76	1.39	24.25	5.07	1.85	1.09
21.70	4.94	1.76	1.39	24.30	5.07	1.85	1.04
21.75	4.94	1.76	1.38	24.35	5.07	1.85	0.96
21.80	4.94	1.76	1.38	24.40	5.07	1.85	0.87
21.85	4.95	1.77	1.37	24.45	5.07	1.85	0.77
21.90	4.95	1.77	1.37	24.50	5.07	1.85	0.67
21.95	4.95	1.77	1.36	24.55	5.07	1.85	0.56
22.00	4.96	1.77	1.36	24.60	5.07	1.85	0.47
22.05	4.96	1.77	1.35	24.65	5.07	1.85	0.39
22.10	4.96	1.78	1.35	24.70	5.07	1.85	0.31
22.15	4.96	1.78	1.35	24.75	5.07	1.85	0.26
22.20	4.97	1.78	1.34	24.80	5.07	1.85	0.21
22.25	4.97	1.78	1.34	24.85	5.07	1.85	0.17
22.30	4.97	1.78	1.33	24.90	5.07	1.85	0.14
22.35	4.98	1.79	1.33	24.95	5.07	1.85	0.12
22.40	4.98	1.79	1.32	25.00	5.07	1.85	0.10
22.45	4.98	1.79	1.32	25.05	5.07	1.85	0.08
22.50	4.99	1.79	1.31	25.10	5.07	1.85	0.06
22.55	4.99	1.80	1.31	25.15	5.07	1.85	0.05
22.60	4.99	1.80	1.30	25.20	5.07	1.85	0.04
22.65	4.99	1.80	1.30	25.25	5.07	1.85	0.03
22.70	5.00	1.80	1.29	25.30	5.07	1.85	0.03
22.75	5.00	1.80	1.29	25.35	5.07	1.85	0.02
22.80	5.00	1.81	1.28	25.40	5.07	1.85	0.02
22.85	5.01	1.81	1.28	25.45	5.07	1.85	0.02
22.90	5.01	1.81	1.27	25.50	5.07	1.85	0.01
22.95	5.01	1.81	1.27	25.55	5.07	1.85	0.01
23.00	5.01	1.81	1.26	25.60	5.07	1.85	0.01
23.05	5.02	1.82	1.26	25.65	5.07	1.85	0.01
23.10	5.02	1.82	1.25	25.70	5.07	1.85	0.00
23.15	5.02	1.82	1.25	25.75	5.07	1.85	0.00
23.20	5.03	1.82	1.24	25.80	5.07	1.85	0.00
23.25	5.03	1.82	1.24	25.85	5.07	1.85	0.00
23.30	5.03	1.82	1.23	25.90	5.07	1.85	0.00
23.35	5.03	1.83	1.23	25.95	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.85	0.00	28.60	5.07	1.85	0.00
26.05	5.07	1.85	0.00	28.65	5.07	1.85	0.00
26.10	5.07	1.85	0.00	28.70	5.07	1.85	0.00
26.15	5.07	1.85	0.00	28.75	5.07	1.85	0.00
26.20	5.07	1.85	0.00	28.80	5.07	1.85	0.00
26.25	5.07	1.85	0.00	28.85	5.07	1.85	0.00
26.30	5.07	1.85	0.00	28.90	5.07	1.85	0.00
26.35	5.07	1.85	0.00	28.95	5.07	1.85	0.00
26.40	5.07	1.85	0.00	29.00	5.07	1.85	0.00
26.45	5.07	1.85	0.00	29.05	5.07	1.85	0.00
26.50	5.07	1.85	0.00	29.10	5.07	1.85	0.00
26.55	5.07	1.85	0.00	29.15	5.07	1.85	0.00
26.60	5.07	1.85	0.00	29.20	5.07	1.85	0.00
26.65	5.07	1.85	0.00	29.25	5.07	1.85	0.00
26.70	5.07	1.85	0.00	29.30	5.07	1.85	0.00
26.75	5.07	1.85	0.00	29.35	5.07	1.85	0.00
26.80	5.07	1.85	0.00	29.40	5.07	1.85	0.00
26.85	5.07	1.85	0.00	29.45	5.07	1.85	0.00
26.90	5.07	1.85	0.00	29.50	5.07	1.85	0.00
26.95	5.07	1.85	0.00	29.55	5.07	1.85	0.00
27.00	5.07	1.85	0.00	29.60	5.07	1.85	0.00
27.05	5.07	1.85	0.00	29.65	5.07	1.85	0.00
27.10	5.07	1.85	0.00	29.70	5.07	1.85	0.00
27.15	5.07	1.85	0.00	29.75	5.07	1.85	0.00
27.20	5.07	1.85	0.00	29.80	5.07	1.85	0.00
27.25	5.07	1.85	0.00	29.85	5.07	1.85	0.00
27.30	5.07	1.85	0.00	29.90	5.07	1.85	0.00
27.35	5.07	1.85	0.00	29.95	5.07	1.85	0.00
27.40	5.07	1.85	0.00	30.00	5.07	1.85	0.00
27.45	5.07	1.85	0.00	30.05	5.07	1.85	0.00
27.50	5.07	1.85	0.00	30.10	5.07	1.85	0.00
27.55	5.07	1.85	0.00	30.15	5.07	1.85	0.00
27.60	5.07	1.85	0.00	30.20	5.07	1.85	0.00
27.65	5.07	1.85	0.00	30.25	5.07	1.85	0.00
27.70	5.07	1.85	0.00	30.30	5.07	1.85	0.00
27.75	5.07	1.85	0.00	30.35	5.07	1.85	0.00
27.80	5.07	1.85	0.00	30.40	5.07	1.85	0.00
27.85	5.07	1.85	0.00	30.45	5.07	1.85	0.00
27.90	5.07	1.85	0.00	30.50	5.07	1.85	0.00
27.95	5.07	1.85	0.00	30.55	5.07	1.85	0.00
28.00	5.07	1.85	0.00	30.60	5.07	1.85	0.00
28.05	5.07	1.85	0.00	30.65	5.07	1.85	0.00
28.10	5.07	1.85	0.00	30.70	5.07	1.85	0.00
28.15	5.07	1.85	0.00	30.75	5.07	1.85	0.00
28.20	5.07	1.85	0.00	30.80	5.07	1.85	0.00
28.25	5.07	1.85	0.00	30.85	5.07	1.85	0.00
28.30	5.07	1.85	0.00	30.90	5.07	1.85	0.00
28.35	5.07	1.85	0.00	30.95	5.07	1.85	0.00
28.40	5.07	1.85	0.00	31.00	5.07	1.85	0.00
28.45	5.07	1.85	0.00	31.05	5.07	1.85	0.00
28.50	5.07	1.85	0.00	31.10	5.07	1.85	0.00
28.55	5.07	1.85	0.00	31.15	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.85	0.00	33.80	5.07	1.85	0.00
31.25	5.07	1.85	0.00	33.85	5.07	1.85	0.00
31.30	5.07	1.85	0.00	33.90	5.07	1.85	0.00
31.35	5.07	1.85	0.00	33.95	5.07	1.85	0.00
31.40	5.07	1.85	0.00	34.00	5.07	1.85	0.00
31.45	5.07	1.85	0.00	34.05	5.07	1.85	0.00
31.50	5.07	1.85	0.00	34.10	5.07	1.85	0.00
31.55	5.07	1.85	0.00	34.15	5.07	1.85	0.00
31.60	5.07	1.85	0.00	34.20	5.07	1.85	0.00
31.65	5.07	1.85	0.00	34.25	5.07	1.85	0.00
31.70	5.07	1.85	0.00	34.30	5.07	1.85	0.00
31.75	5.07	1.85	0.00	34.35	5.07	1.85	0.00
31.80	5.07	1.85	0.00	34.40	5.07	1.85	0.00
31.85	5.07	1.85	0.00	34.45	5.07	1.85	0.00
31.90	5.07	1.85	0.00	34.50	5.07	1.85	0.00
31.95	5.07	1.85	0.00	34.55	5.07	1.85	0.00
32.00	5.07	1.85	0.00	34.60	5.07	1.85	0.00
32.05	5.07	1.85	0.00	34.65	5.07	1.85	0.00
32.10	5.07	1.85	0.00	34.70	5.07	1.85	0.00
32.15	5.07	1.85	0.00	34.75	5.07	1.85	0.00
32.20	5.07	1.85	0.00	34.80	5.07	1.85	0.00
32.25	5.07	1.85	0.00	34.85	5.07	1.85	0.00
32.30	5.07	1.85	0.00	34.90	5.07	1.85	0.00
32.35	5.07	1.85	0.00	34.95	5.07	1.85	0.00
32.40	5.07	1.85	0.00	35.00	5.07	1.85	0.00
32.45	5.07	1.85	0.00	35.05	5.07	1.85	0.00
32.50	5.07	1.85	0.00	35.10	5.07	1.85	0.00
32.55	5.07	1.85	0.00	35.15	5.07	1.85	0.00
32.60	5.07	1.85	0.00	35.20	5.07	1.85	0.00
32.65	5.07	1.85	0.00	35.25	5.07	1.85	0.00
32.70	5.07	1.85	0.00	35.30	5.07	1.85	0.00
32.75	5.07	1.85	0.00	35.35	5.07	1.85	0.00
32.80	5.07	1.85	0.00	35.40	5.07	1.85	0.00
32.85	5.07	1.85	0.00	35.45	5.07	1.85	0.00
32.90	5.07	1.85	0.00	35.50	5.07	1.85	0.00
32.95	5.07	1.85	0.00	35.55	5.07	1.85	0.00
33.00	5.07	1.85	0.00	35.60	5.07	1.85	0.00
33.05	5.07	1.85	0.00	35.65	5.07	1.85	0.00
33.10	5.07	1.85	0.00	35.70	5.07	1.85	0.00
33.15	5.07	1.85	0.00	35.75	5.07	1.85	0.00
33.20	5.07	1.85	0.00	35.80	5.07	1.85	0.00
33.25	5.07	1.85	0.00	35.85	5.07	1.85	0.00
33.30	5.07	1.85	0.00	35.90	5.07	1.85	0.00
33.35	5.07	1.85	0.00	35.95	5.07	1.85	0.00
33.40	5.07	1.85	0.00	36.00	5.07	1.85	0.00
33.45	5.07	1.85	0.00	36.05	5.07	1.85	0.00
33.50	5.07	1.85	0.00	36.10	5.07	1.85	0.00
33.55	5.07	1.85	0.00	36.15	5.07	1.85	0.00
33.60	5.07	1.85	0.00	36.20	5.07	1.85	0.00
33.65	5.07	1.85	0.00	36.25	5.07	1.85	0.00
33.70	5.07	1.85	0.00	36.30	5.07	1.85	0.00
33.75	5.07	1.85	0.00	36.35	5.07	1.85	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.85	0.00
36.45	5.07	1.85	0.00
36.50	5.07	1.85	0.00
36.55	5.07	1.85	0.00
36.60	5.07	1.85	0.00
36.65	5.07	1.85	0.00
36.70	5.07	1.85	0.00
36.75	5.07	1.85	0.00
36.80	5.07	1.85	0.00
36.85	5.07	1.85	0.00
36.90	5.07	1.85	0.00
36.95	5.07	1.85	0.00
37.00	5.07	1.85	0.00
37.05	5.07	1.85	0.00
37.10	5.07	1.85	0.00
37.15	5.07	1.85	0.00
37.20	5.07	1.85	0.00
37.25	5.07	1.85	0.00
37.30	5.07	1.85	0.00
37.35	5.07	1.85	0.00
37.40	5.07	1.85	0.00
37.45	5.07	1.85	0.00
37.50	5.07	1.85	0.00
37.55	5.07	1.85	0.00
37.60	5.07	1.85	0.00
37.65	5.07	1.85	0.00
37.70	5.07	1.85	0.00
37.75	5.07	1.85	0.00
37.80	5.07	1.85	0.00
37.85	5.07	1.85	0.00
37.90	5.07	1.85	0.00
37.95	5.07	1.85	0.00
38.00	5.07	1.85	0.00
38.05	5.07	1.85	0.00
38.10	5.07	1.85	0.00
38.15	5.07	1.85	0.00
38.20	5.07	1.85	0.00
38.25	5.07	1.85	0.00
38.30	5.07	1.85	0.00
38.35	5.07	1.85	0.00
38.40	5.07	1.85	0.00
38.45	5.07	1.85	0.00
38.50	5.07	1.85	0.00
38.55	5.07	1.85	0.00
38.60	5.07	1.85	0.00
38.65	5.07	1.85	0.00
38.70	5.07	1.85	0.00
38.75	5.07	1.85	0.00
38.80	5.07	1.85	0.00
38.85	5.07	1.85	0.00
38.90	5.07	1.85	0.00
38.95	5.07	1.85	0.00
39.00	5.07	1.85	0.00
39.05	5.07	1.85	0.00
39.10	5.07	1.85	0.00
39.15	5.07	1.85	0.00
39.20	5.07	1.85	0.00
39.25	5.07	1.85	0.00
39.30	5.07	1.85	0.00
39.35	5.07	1.85	0.00
39.40	5.07	1.85	0.00
39.45	5.07	1.85	0.00
39.50	5.07	1.85	0.00
39.55	5.07	1.85	0.00
39.60	5.07	1.85	0.00
39.65	5.07	1.85	0.00
39.70	5.07	1.85	0.00
39.75	5.07	1.85	0.00
39.80	5.07	1.85	0.00
39.85	5.07	1.85	0.00
39.90	5.07	1.85	0.00
39.95	5.07	1.85	0.00
40.00	5.07	1.85	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

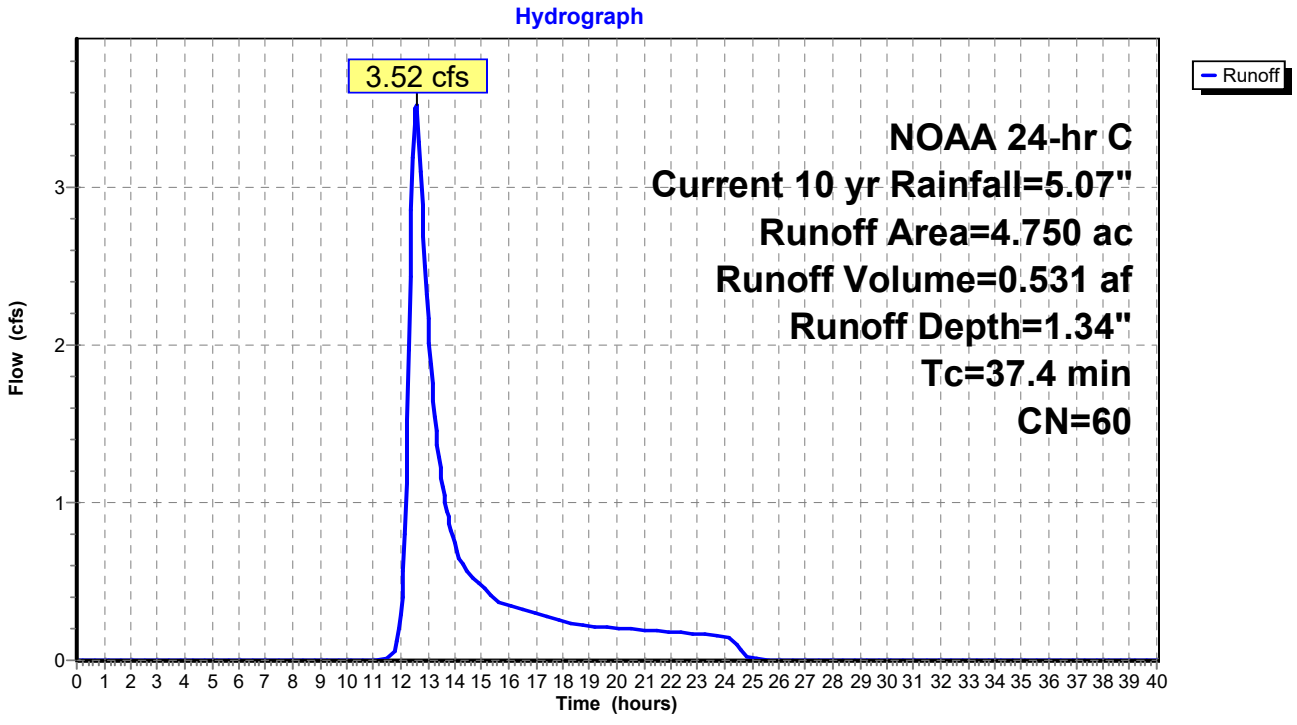
Runoff = 3.52 cfs @ 12.58 hrs, Volume= 0.531 af, Depth= 1.34"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.69	2.16
10.45	1.03	0.00	0.00	13.05	3.87	0.70	2.02
10.50	1.04	0.00	0.00	13.10	3.89	0.71	1.88
10.55	1.06	0.00	0.00	13.15	3.91	0.72	1.76
10.60	1.07	0.00	0.00	13.20	3.93	0.73	1.64
10.65	1.09	0.00	0.00	13.25	3.95	0.74	1.54
10.70	1.10	0.00	0.00	13.30	3.97	0.74	1.45
10.75	1.12	0.00	0.00	13.35	3.98	0.75	1.37
10.80	1.14	0.00	0.00	13.40	4.00	0.76	1.29
10.85	1.16	0.00	0.00	13.45	4.01	0.77	1.22
10.90	1.18	0.00	0.00	13.50	4.03	0.77	1.16
10.95	1.20	0.00	0.00	13.55	4.04	0.78	1.10
11.00	1.22	0.00	0.00	13.60	4.05	0.79	1.05
11.05	1.24	0.00	0.00	13.65	4.06	0.79	1.00
11.10	1.26	0.00	0.00	13.70	4.08	0.80	0.95
11.15	1.29	0.00	0.00	13.75	4.09	0.81	0.91
11.20	1.31	0.00	0.00	13.80	4.10	0.81	0.87
11.25	1.34	0.00	0.00	13.85	4.11	0.82	0.83
11.30	1.37	0.00	0.00	13.90	4.12	0.82	0.79
11.35	1.40	0.00	0.00	13.95	4.13	0.83	0.76
11.40	1.43	0.00	0.00	14.00	4.15	0.83	0.73
11.45	1.47	0.00	0.00	14.05	4.16	0.84	0.70
11.50	1.50	0.00	0.00	14.10	4.17	0.85	0.68
11.55	1.55	0.01	0.01	14.15	4.18	0.85	0.66
11.60	1.60	0.01	0.01	14.20	4.19	0.86	0.64
11.65	1.65	0.01	0.02	14.25	4.20	0.86	0.62
11.70	1.71	0.02	0.03	14.30	4.21	0.87	0.61
11.75	1.78	0.03	0.05	14.35	4.22	0.87	0.60
11.80	1.86	0.04	0.07	14.40	4.23	0.88	0.58
11.85	1.96	0.05	0.11	14.45	4.24	0.88	0.57
11.90	2.06	0.07	0.15	14.50	4.25	0.89	0.56
11.95	2.24	0.11	0.21	14.55	4.26	0.89	0.55
12.00	2.42	0.15	0.28	14.60	4.27	0.90	0.54
12.05	2.71	0.24	0.40	14.65	4.27	0.90	0.53
12.10	3.01	0.34	0.56	14.70	4.28	0.90	0.52
12.15	3.11	0.37	0.80	14.75	4.29	0.91	0.51
12.20	3.21	0.41	1.12	14.80	4.30	0.91	0.50
12.25	3.29	0.44	1.52	14.85	4.31	0.92	0.49
12.30	3.36	0.47	1.97	14.90	4.31	0.92	0.49
12.35	3.42	0.50	2.44	14.95	4.32	0.93	0.48
12.40	3.47	0.52	2.86	15.00	4.33	0.93	0.47
12.45	3.52	0.54	3.19	15.05	4.34	0.93	0.46
12.50	3.57	0.56	3.41	15.10	4.34	0.94	0.45
12.55	3.60	0.58	3.51	15.15	4.35	0.94	0.44
12.60	3.64	0.59	**3.52**	15.20	4.36	0.94	0.43
12.65	3.67	0.61	3.43	15.25	4.36	0.95	0.42
12.70	3.70	0.62	3.29	15.30	4.37	0.95	0.42
12.75	3.73	0.63	3.10	15.35	4.38	0.95	0.41
12.80	3.76	0.65	2.89	15.40	4.39	0.96	0.40
12.85	3.78	0.66	2.69	15.45	4.39	0.96	0.39
12.90	3.81	0.67	2.50	15.50	4.40	0.97	0.39
12.95	3.83	0.68	2.32	15.55	4.41	0.97	0.38

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	0.97	0.37	18.20	4.68	1.12	0.24
15.65	4.42	0.98	0.37	18.25	4.69	1.12	0.24
15.70	4.42	0.98	0.36	18.30	4.69	1.13	0.23
15.75	4.43	0.98	0.36	18.35	4.70	1.13	0.23
15.80	4.44	0.99	0.36	18.40	4.70	1.13	0.23
15.85	4.44	0.99	0.35	18.45	4.70	1.13	0.23
15.90	4.45	0.99	0.35	18.50	4.71	1.13	0.23
15.95	4.46	1.00	0.35	18.55	4.71	1.14	0.22
16.00	4.46	1.00	0.34	18.60	4.72	1.14	0.22
16.05	4.47	1.00	0.34	18.65	4.72	1.14	0.22
16.10	4.47	1.01	0.34	18.70	4.72	1.14	0.22
16.15	4.48	1.01	0.34	18.75	4.73	1.15	0.22
16.20	4.49	1.01	0.33	18.80	4.73	1.15	0.22
16.25	4.49	1.02	0.33	18.85	4.74	1.15	0.22
16.30	4.50	1.02	0.33	18.90	4.74	1.15	0.22
16.35	4.50	1.02	0.33	18.95	4.74	1.15	0.21
16.40	4.51	1.03	0.32	19.00	4.75	1.16	0.21
16.45	4.52	1.03	0.32	19.05	4.75	1.16	0.21
16.50	4.52	1.03	0.32	19.10	4.76	1.16	0.21
16.55	4.53	1.03	0.32	19.15	4.76	1.16	0.21
16.60	4.53	1.04	0.32	19.20	4.76	1.16	0.21
16.65	4.54	1.04	0.31	19.25	4.77	1.17	0.21
16.70	4.54	1.04	0.31	19.30	4.77	1.17	0.21
16.75	4.55	1.05	0.31	19.35	4.77	1.17	0.21
16.80	4.55	1.05	0.31	19.40	4.78	1.17	0.21
16.85	4.56	1.05	0.30	19.45	4.78	1.18	0.21
16.90	4.57	1.06	0.30	19.50	4.79	1.18	0.21
16.95	4.57	1.06	0.30	19.55	4.79	1.18	0.21
17.00	4.58	1.06	0.30	19.60	4.79	1.18	0.21
17.05	4.58	1.06	0.29	19.65	4.80	1.18	0.21
17.10	4.59	1.07	0.29	19.70	4.80	1.19	0.21
17.15	4.59	1.07	0.29	19.75	4.80	1.19	0.21
17.20	4.60	1.07	0.29	19.80	4.81	1.19	0.20
17.25	4.60	1.07	0.29	19.85	4.81	1.19	0.20
17.30	4.61	1.08	0.28	19.90	4.81	1.19	0.20
17.35	4.61	1.08	0.28	19.95	4.82	1.20	0.20
17.40	4.61	1.08	0.28	20.00	4.82	1.20	0.20
17.45	4.62	1.09	0.28	20.05	4.83	1.20	0.20
17.50	4.62	1.09	0.27	20.10	4.83	1.20	0.20
17.55	4.63	1.09	0.27	20.15	4.83	1.20	0.20
17.60	4.63	1.09	0.27	20.20	4.84	1.21	0.20
17.65	4.64	1.10	0.27	20.25	4.84	1.21	0.20
17.70	4.64	1.10	0.26	20.30	4.84	1.21	0.20
17.75	4.65	1.10	0.26	20.35	4.85	1.21	0.20
17.80	4.65	1.10	0.26	20.40	4.85	1.21	0.20
17.85	4.66	1.10	0.26	20.45	4.85	1.22	0.20
17.90	4.66	1.11	0.25	20.50	4.86	1.22	0.20
17.95	4.66	1.11	0.25	20.55	4.86	1.22	0.20
18.00	4.67	1.11	0.25	20.60	4.86	1.22	0.20
18.05	4.67	1.11	0.25	20.65	4.87	1.22	0.19
18.10	4.68	1.12	0.24	20.70	4.87	1.23	0.19
18.15	4.68	1.12	0.24	20.75	4.87	1.23	0.19

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.23	0.19	23.40	5.04	1.32	0.16
20.85	4.88	1.23	0.19	23.45	5.04	1.32	0.16
20.90	4.88	1.23	0.19	23.50	5.04	1.33	0.16
20.95	4.89	1.24	0.19	23.55	5.04	1.33	0.16
21.00	4.89	1.24	0.19	23.60	5.05	1.33	0.16
21.05	4.89	1.24	0.19	23.65	5.05	1.33	0.16
21.10	4.90	1.24	0.19	23.70	5.05	1.33	0.16
21.15	4.90	1.24	0.19	23.75	5.06	1.33	0.16
21.20	4.90	1.25	0.19	23.80	5.06	1.34	0.16
21.25	4.91	1.25	0.19	23.85	5.06	1.34	0.16
21.30	4.91	1.25	0.19	23.90	5.06	1.34	0.15
21.35	4.91	1.25	0.19	23.95	5.07	1.34	0.15
21.40	4.92	1.25	0.19	24.00	**5.07**	**1.34**	0.15
21.45	4.92	1.26	0.19	24.05	5.07	1.34	0.15
21.50	4.92	1.26	0.18	24.10	5.07	1.34	0.15
21.55	4.93	1.26	0.18	24.15	5.07	1.34	0.15
21.60	4.93	1.26	0.18	24.20	5.07	1.34	0.15
21.65	4.93	1.26	0.18	24.25	5.07	1.34	0.14
21.70	4.94	1.26	0.18	24.30	5.07	1.34	0.14
21.75	4.94	1.27	0.18	24.35	5.07	1.34	0.13
21.80	4.94	1.27	0.18	24.40	5.07	1.34	0.12
21.85	4.95	1.27	0.18	24.45	5.07	1.34	0.10
21.90	4.95	1.27	0.18	24.50	5.07	1.34	0.09
21.95	4.95	1.27	0.18	24.55	5.07	1.34	0.07
22.00	4.96	1.28	0.18	24.60	5.07	1.34	0.06
22.05	4.96	1.28	0.18	24.65	5.07	1.34	0.05
22.10	4.96	1.28	0.18	24.70	5.07	1.34	0.04
22.15	4.96	1.28	0.18	24.75	5.07	1.34	0.03
22.20	4.97	1.28	0.18	24.80	5.07	1.34	0.03
22.25	4.97	1.28	0.18	24.85	5.07	1.34	0.02
22.30	4.97	1.29	0.17	24.90	5.07	1.34	0.02
22.35	4.98	1.29	0.17	24.95	5.07	1.34	0.02
22.40	4.98	1.29	0.17	25.00	5.07	1.34	0.01
22.45	4.98	1.29	0.17	25.05	5.07	1.34	0.01
22.50	4.99	1.29	0.17	25.10	5.07	1.34	0.01
22.55	4.99	1.29	0.17	25.15	5.07	1.34	0.01
22.60	4.99	1.30	0.17	25.20	5.07	1.34	0.01
22.65	4.99	1.30	0.17	25.25	5.07	1.34	0.00
22.70	5.00	1.30	0.17	25.30	5.07	1.34	0.00
22.75	5.00	1.30	0.17	25.35	5.07	1.34	0.00
22.80	5.00	1.30	0.17	25.40	5.07	1.34	0.00
22.85	5.01	1.30	0.17	25.45	5.07	1.34	0.00
22.90	5.01	1.31	0.17	25.50	5.07	1.34	0.00
22.95	5.01	1.31	0.17	25.55	5.07	1.34	0.00
23.00	5.01	1.31	0.17	25.60	5.07	1.34	0.00
23.05	5.02	1.31	0.17	25.65	5.07	1.34	0.00
23.10	5.02	1.31	0.16	25.70	5.07	1.34	0.00
23.15	5.02	1.31	0.16	25.75	5.07	1.34	0.00
23.20	5.03	1.32	0.16	25.80	5.07	1.34	0.00
23.25	5.03	1.32	0.16	25.85	5.07	1.34	0.00
23.30	5.03	1.32	0.16	25.90	5.07	1.34	0.00
23.35	5.03	1.32	0.16	25.95	5.07	1.34	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.34	0.00	28.60	5.07	1.34	0.00
26.05	5.07	1.34	0.00	28.65	5.07	1.34	0.00
26.10	5.07	1.34	0.00	28.70	5.07	1.34	0.00
26.15	5.07	1.34	0.00	28.75	5.07	1.34	0.00
26.20	5.07	1.34	0.00	28.80	5.07	1.34	0.00
26.25	5.07	1.34	0.00	28.85	5.07	1.34	0.00
26.30	5.07	1.34	0.00	28.90	5.07	1.34	0.00
26.35	5.07	1.34	0.00	28.95	5.07	1.34	0.00
26.40	5.07	1.34	0.00	29.00	5.07	1.34	0.00
26.45	5.07	1.34	0.00	29.05	5.07	1.34	0.00
26.50	5.07	1.34	0.00	29.10	5.07	1.34	0.00
26.55	5.07	1.34	0.00	29.15	5.07	1.34	0.00
26.60	5.07	1.34	0.00	29.20	5.07	1.34	0.00
26.65	5.07	1.34	0.00	29.25	5.07	1.34	0.00
26.70	5.07	1.34	0.00	29.30	5.07	1.34	0.00
26.75	5.07	1.34	0.00	29.35	5.07	1.34	0.00
26.80	5.07	1.34	0.00	29.40	5.07	1.34	0.00
26.85	5.07	1.34	0.00	29.45	5.07	1.34	0.00
26.90	5.07	1.34	0.00	29.50	5.07	1.34	0.00
26.95	5.07	1.34	0.00	29.55	5.07	1.34	0.00
27.00	5.07	1.34	0.00	29.60	5.07	1.34	0.00
27.05	5.07	1.34	0.00	29.65	5.07	1.34	0.00
27.10	5.07	1.34	0.00	29.70	5.07	1.34	0.00
27.15	5.07	1.34	0.00	29.75	5.07	1.34	0.00
27.20	5.07	1.34	0.00	29.80	5.07	1.34	0.00
27.25	5.07	1.34	0.00	29.85	5.07	1.34	0.00
27.30	5.07	1.34	0.00	29.90	5.07	1.34	0.00
27.35	5.07	1.34	0.00	29.95	5.07	1.34	0.00
27.40	5.07	1.34	0.00	30.00	5.07	1.34	0.00
27.45	5.07	1.34	0.00	30.05	5.07	1.34	0.00
27.50	5.07	1.34	0.00	30.10	5.07	1.34	0.00
27.55	5.07	1.34	0.00	30.15	5.07	1.34	0.00
27.60	5.07	1.34	0.00	30.20	5.07	1.34	0.00
27.65	5.07	1.34	0.00	30.25	5.07	1.34	0.00
27.70	5.07	1.34	0.00	30.30	5.07	1.34	0.00
27.75	5.07	1.34	0.00	30.35	5.07	1.34	0.00
27.80	5.07	1.34	0.00	30.40	5.07	1.34	0.00
27.85	5.07	1.34	0.00	30.45	5.07	1.34	0.00
27.90	5.07	1.34	0.00	30.50	5.07	1.34	0.00
27.95	5.07	1.34	0.00	30.55	5.07	1.34	0.00
28.00	5.07	1.34	0.00	30.60	5.07	1.34	0.00
28.05	5.07	1.34	0.00	30.65	5.07	1.34	0.00
28.10	5.07	1.34	0.00	30.70	5.07	1.34	0.00
28.15	5.07	1.34	0.00	30.75	5.07	1.34	0.00
28.20	5.07	1.34	0.00	30.80	5.07	1.34	0.00
28.25	5.07	1.34	0.00	30.85	5.07	1.34	0.00
28.30	5.07	1.34	0.00	30.90	5.07	1.34	0.00
28.35	5.07	1.34	0.00	30.95	5.07	1.34	0.00
28.40	5.07	1.34	0.00	31.00	5.07	1.34	0.00
28.45	5.07	1.34	0.00	31.05	5.07	1.34	0.00
28.50	5.07	1.34	0.00	31.10	5.07	1.34	0.00
28.55	5.07	1.34	0.00	31.15	5.07	1.34	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.34	0.00	33.80	5.07	1.34	0.00
31.25	5.07	1.34	0.00	33.85	5.07	1.34	0.00
31.30	5.07	1.34	0.00	33.90	5.07	1.34	0.00
31.35	5.07	1.34	0.00	33.95	5.07	1.34	0.00
31.40	5.07	1.34	0.00	34.00	5.07	1.34	0.00
31.45	5.07	1.34	0.00	34.05	5.07	1.34	0.00
31.50	5.07	1.34	0.00	34.10	5.07	1.34	0.00
31.55	5.07	1.34	0.00	34.15	5.07	1.34	0.00
31.60	5.07	1.34	0.00	34.20	5.07	1.34	0.00
31.65	5.07	1.34	0.00	34.25	5.07	1.34	0.00
31.70	5.07	1.34	0.00	34.30	5.07	1.34	0.00
31.75	5.07	1.34	0.00	34.35	5.07	1.34	0.00
31.80	5.07	1.34	0.00	34.40	5.07	1.34	0.00
31.85	5.07	1.34	0.00	34.45	5.07	1.34	0.00
31.90	5.07	1.34	0.00	34.50	5.07	1.34	0.00
31.95	5.07	1.34	0.00	34.55	5.07	1.34	0.00
32.00	5.07	1.34	0.00	34.60	5.07	1.34	0.00
32.05	5.07	1.34	0.00	34.65	5.07	1.34	0.00
32.10	5.07	1.34	0.00	34.70	5.07	1.34	0.00
32.15	5.07	1.34	0.00	34.75	5.07	1.34	0.00
32.20	5.07	1.34	0.00	34.80	5.07	1.34	0.00
32.25	5.07	1.34	0.00	34.85	5.07	1.34	0.00
32.30	5.07	1.34	0.00	34.90	5.07	1.34	0.00
32.35	5.07	1.34	0.00	34.95	5.07	1.34	0.00
32.40	5.07	1.34	0.00	35.00	5.07	1.34	0.00
32.45	5.07	1.34	0.00	35.05	5.07	1.34	0.00
32.50	5.07	1.34	0.00	35.10	5.07	1.34	0.00
32.55	5.07	1.34	0.00	35.15	5.07	1.34	0.00
32.60	5.07	1.34	0.00	35.20	5.07	1.34	0.00
32.65	5.07	1.34	0.00	35.25	5.07	1.34	0.00
32.70	5.07	1.34	0.00	35.30	5.07	1.34	0.00
32.75	5.07	1.34	0.00	35.35	5.07	1.34	0.00
32.80	5.07	1.34	0.00	35.40	5.07	1.34	0.00
32.85	5.07	1.34	0.00	35.45	5.07	1.34	0.00
32.90	5.07	1.34	0.00	35.50	5.07	1.34	0.00
32.95	5.07	1.34	0.00	35.55	5.07	1.34	0.00
33.00	5.07	1.34	0.00	35.60	5.07	1.34	0.00
33.05	5.07	1.34	0.00	35.65	5.07	1.34	0.00
33.10	5.07	1.34	0.00	35.70	5.07	1.34	0.00
33.15	5.07	1.34	0.00	35.75	5.07	1.34	0.00
33.20	5.07	1.34	0.00	35.80	5.07	1.34	0.00
33.25	5.07	1.34	0.00	35.85	5.07	1.34	0.00
33.30	5.07	1.34	0.00	35.90	5.07	1.34	0.00
33.35	5.07	1.34	0.00	35.95	5.07	1.34	0.00
33.40	5.07	1.34	0.00	36.00	5.07	1.34	0.00
33.45	5.07	1.34	0.00	36.05	5.07	1.34	0.00
33.50	5.07	1.34	0.00	36.10	5.07	1.34	0.00
33.55	5.07	1.34	0.00	36.15	5.07	1.34	0.00
33.60	5.07	1.34	0.00	36.20	5.07	1.34	0.00
33.65	5.07	1.34	0.00	36.25	5.07	1.34	0.00
33.70	5.07	1.34	0.00	36.30	5.07	1.34	0.00
33.75	5.07	1.34	0.00	36.35	5.07	1.34	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.34	0.00
36.45	5.07	1.34	0.00
36.50	5.07	1.34	0.00
36.55	5.07	1.34	0.00
36.60	5.07	1.34	0.00
36.65	5.07	1.34	0.00
36.70	5.07	1.34	0.00
36.75	5.07	1.34	0.00
36.80	5.07	1.34	0.00
36.85	5.07	1.34	0.00
36.90	5.07	1.34	0.00
36.95	5.07	1.34	0.00
37.00	5.07	1.34	0.00
37.05	5.07	1.34	0.00
37.10	5.07	1.34	0.00
37.15	5.07	1.34	0.00
37.20	5.07	1.34	0.00
37.25	5.07	1.34	0.00
37.30	5.07	1.34	0.00
37.35	5.07	1.34	0.00
37.40	5.07	1.34	0.00
37.45	5.07	1.34	0.00
37.50	5.07	1.34	0.00
37.55	5.07	1.34	0.00
37.60	5.07	1.34	0.00
37.65	5.07	1.34	0.00
37.70	5.07	1.34	0.00
37.75	5.07	1.34	0.00
37.80	5.07	1.34	0.00
37.85	5.07	1.34	0.00
37.90	5.07	1.34	0.00
37.95	5.07	1.34	0.00
38.00	5.07	1.34	0.00
38.05	5.07	1.34	0.00
38.10	5.07	1.34	0.00
38.15	5.07	1.34	0.00
38.20	5.07	1.34	0.00
38.25	5.07	1.34	0.00
38.30	5.07	1.34	0.00
38.35	5.07	1.34	0.00
38.40	5.07	1.34	0.00
38.45	5.07	1.34	0.00
38.50	5.07	1.34	0.00
38.55	5.07	1.34	0.00
38.60	5.07	1.34	0.00
38.65	5.07	1.34	0.00
38.70	5.07	1.34	0.00
38.75	5.07	1.34	0.00
38.80	5.07	1.34	0.00
38.85	5.07	1.34	0.00
38.90	5.07	1.34	0.00
38.95	5.07	1.34	0.00
39.00	5.07	1.34	0.00
39.05	5.07	1.34	0.00
39.10	5.07	1.34	0.00
39.15	5.07	1.34	0.00
39.20	5.07	1.34	0.00
39.25	5.07	1.34	0.00
39.30	5.07	1.34	0.00
39.35	5.07	1.34	0.00
39.40	5.07	1.34	0.00
39.45	5.07	1.34	0.00
39.50	5.07	1.34	0.00
39.55	5.07	1.34	0.00
39.60	5.07	1.34	0.00
39.65	5.07	1.34	0.00
39.70	5.07	1.34	0.00
39.75	5.07	1.34	0.00
39.80	5.07	1.34	0.00
39.85	5.07	1.34	0.00
39.90	5.07	1.34	0.00
39.95	5.07	1.34	0.00
40.00	5.07	1.34	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

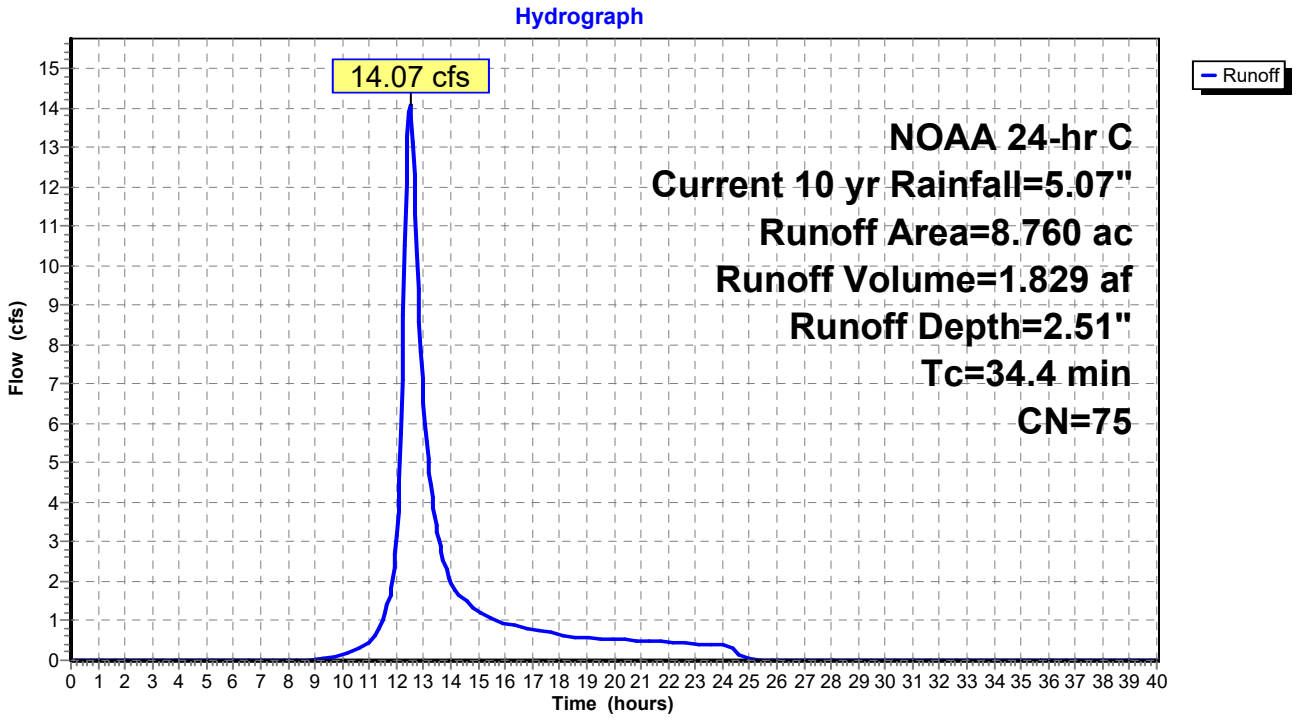
Runoff = 14.07 cfs @ 12.49 hrs, Volume= 1.829 af, Depth= 2.51"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.01
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.01
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.01
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.02
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.02
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.02
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.03
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.03
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.04
6.80	0.47	0.00	0.00	9.40	0.80	0.01	0.04
6.85	0.48	0.00	0.00	9.45	0.81	0.01	0.05
6.90	0.48	0.00	0.00	9.50	0.82	0.01	0.06
6.95	0.49	0.00	0.00	9.55	0.83	0.01	0.06
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.07
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.08
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.09
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.09
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.10
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.11
7.30	0.53	0.00	0.00	9.90	0.90	0.02	0.12
7.35	0.53	0.00	0.00	9.95	0.91	0.02	0.13
7.40	0.54	0.00	0.00	10.00	0.92	0.02	0.14
7.45	0.54	0.00	0.00	10.05	0.94	0.02	0.15
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.16
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.17
7.60	0.56	0.00	0.00	10.20	0.97	0.03	0.19
7.65	0.57	0.00	0.00	10.25	0.98	0.03	0.20
7.70	0.57	0.00	0.00	10.30	0.99	0.03	0.21
7.75	0.58	0.00	0.00	10.35	1.01	0.03	0.23

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.24	13.00	3.85	1.56	6.55
10.45	1.03	0.04	0.25	13.05	3.87	1.57	6.01
10.50	1.04	0.04	0.27	13.10	3.89	1.59	5.54
10.55	1.06	0.04	0.28	13.15	3.91	1.60	5.12
10.60	1.07	0.04	0.30	13.20	3.93	1.61	4.76
10.65	1.09	0.05	0.31	13.25	3.95	1.63	4.43
10.70	1.10	0.05	0.33	13.30	3.97	1.64	4.14
10.75	1.12	0.05	0.35	13.35	3.98	1.65	3.88
10.80	1.14	0.06	0.37	13.40	4.00	1.66	3.64
10.85	1.16	0.06	0.40	13.45	4.01	1.67	3.42
10.90	1.18	0.07	0.42	13.50	4.03	1.69	3.23
10.95	1.20	0.07	0.45	13.55	4.04	1.70	3.05
11.00	1.22	0.08	0.48	13.60	4.05	1.70	2.89
11.05	1.24	0.08	0.52	13.65	4.06	1.71	2.74
11.10	1.26	0.09	0.56	13.70	4.08	1.72	2.60
11.15	1.29	0.10	0.60	13.75	4.09	1.73	2.48
11.20	1.31	0.11	0.65	13.80	4.10	1.74	2.36
11.25	1.34	0.11	0.70	13.85	4.11	1.75	2.25
11.30	1.37	0.12	0.75	13.90	4.12	1.76	2.14
11.35	1.40	0.13	0.82	13.95	4.13	1.77	2.05
11.40	1.43	0.14	0.88	14.00	4.15	1.78	1.97
11.45	1.47	0.15	0.96	14.05	4.16	1.78	1.90
11.50	1.50	0.17	1.04	14.10	4.17	1.79	1.84
11.55	1.55	0.18	1.13	14.15	4.18	1.80	1.79
11.60	1.60	0.20	1.23	14.20	4.19	1.81	1.74
11.65	1.65	0.23	1.34	14.25	4.20	1.82	1.70
11.70	1.71	0.25	1.48	14.30	4.21	1.82	1.66
11.75	1.78	0.28	1.64	14.35	4.22	1.83	1.62
11.80	1.86	0.31	1.83	14.40	4.23	1.84	1.59
11.85	1.96	0.36	2.07	14.45	4.24	1.85	1.56
11.90	2.06	0.41	2.35	14.50	4.25	1.85	1.53
11.95	2.24	0.50	2.71	14.55	4.26	1.86	1.50
12.00	2.42	0.60	3.17	14.60	4.27	1.87	1.47
12.05	2.71	0.78	3.77	14.65	4.27	1.87	1.44
12.10	3.01	0.97	4.58	14.70	4.28	1.88	1.42
12.15	3.11	1.03	5.71	14.75	4.29	1.89	1.39
12.20	3.21	1.10	7.11	14.80	4.30	1.89	1.37
12.25	3.29	1.15	8.76	14.85	4.31	1.90	1.34
12.30	3.36	1.20	10.51	14.90	4.31	1.91	1.31
12.35	3.42	1.24	12.09	14.95	4.32	1.91	1.29
12.40	3.47	1.28	13.26	15.00	4.33	1.92	1.26
12.45	3.52	1.32	13.90	15.05	4.34	1.92	1.24
12.50	3.57	1.35	**14.07**	15.10	4.34	1.93	1.21
12.55	3.60	1.38	13.77	15.15	4.35	1.93	1.19
12.60	3.64	1.40	13.16	15.20	4.36	1.94	1.16
12.65	3.67	1.42	12.31	15.25	4.36	1.94	1.14
12.70	3.70	1.45	11.30	15.30	4.37	1.95	1.11
12.75	3.73	1.47	10.32	15.35	4.38	1.96	1.09
12.80	3.76	1.49	9.41	15.40	4.39	1.96	1.07
12.85	3.78	1.51	8.58	15.45	4.39	1.97	1.05
12.90	3.81	1.52	7.83	15.50	4.40	1.97	1.03
12.95	3.83	1.54	7.15	15.55	4.41	1.98	1.02

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.98	1.00	18.20	4.68	2.20	0.62
15.65	4.42	1.99	0.99	18.25	4.69	2.20	0.62
15.70	4.42	1.99	0.98	18.30	4.69	2.20	0.61
15.75	4.43	2.00	0.97	18.35	4.70	2.21	0.61
15.80	4.44	2.00	0.96	18.40	4.70	2.21	0.60
15.85	4.44	2.01	0.95	18.45	4.70	2.21	0.59
15.90	4.45	2.01	0.94	18.50	4.71	2.22	0.59
15.95	4.46	2.02	0.93	18.55	4.71	2.22	0.58
16.00	4.46	2.02	0.92	18.60	4.72	2.22	0.58
16.05	4.47	2.03	0.92	18.65	4.72	2.22	0.58
16.10	4.47	2.03	0.91	18.70	4.72	2.23	0.57
16.15	4.48	2.04	0.90	18.75	4.73	2.23	0.57
16.20	4.49	2.04	0.89	18.80	4.73	2.23	0.57
16.25	4.49	2.04	0.89	18.85	4.74	2.24	0.57
16.30	4.50	2.05	0.88	18.90	4.74	2.24	0.56
16.35	4.50	2.05	0.87	18.95	4.74	2.24	0.56
16.40	4.51	2.06	0.87	19.00	4.75	2.25	0.56
16.45	4.52	2.06	0.86	19.05	4.75	2.25	0.56
16.50	4.52	2.07	0.85	19.10	4.76	2.25	0.56
16.55	4.53	2.07	0.85	19.15	4.76	2.26	0.55
16.60	4.53	2.08	0.84	19.20	4.76	2.26	0.55
16.65	4.54	2.08	0.83	19.25	4.77	2.26	0.55
16.70	4.54	2.08	0.83	19.30	4.77	2.26	0.55
16.75	4.55	2.09	0.82	19.35	4.77	2.27	0.55
16.80	4.55	2.09	0.81	19.40	4.78	2.27	0.55
16.85	4.56	2.10	0.81	19.45	4.78	2.27	0.54
16.90	4.57	2.10	0.80	19.50	4.79	2.28	0.54
16.95	4.57	2.11	0.79	19.55	4.79	2.28	0.54
17.00	4.58	2.11	0.79	19.60	4.79	2.28	0.54
17.05	4.58	2.11	0.78	19.65	4.80	2.29	0.54
17.10	4.59	2.12	0.77	19.70	4.80	2.29	0.54
17.15	4.59	2.12	0.77	19.75	4.80	2.29	0.53
17.20	4.60	2.13	0.76	19.80	4.81	2.29	0.53
17.25	4.60	2.13	0.75	19.85	4.81	2.30	0.53
17.30	4.61	2.13	0.75	19.90	4.81	2.30	0.53
17.35	4.61	2.14	0.74	19.95	4.82	2.30	0.53
17.40	4.61	2.14	0.73	20.00	4.82	2.31	0.53
17.45	4.62	2.14	0.73	20.05	4.83	2.31	0.52
17.50	4.62	2.15	0.72	20.10	4.83	2.31	0.52
17.55	4.63	2.15	0.71	20.15	4.83	2.31	0.52
17.60	4.63	2.16	0.71	20.20	4.84	2.32	0.52
17.65	4.64	2.16	0.70	20.25	4.84	2.32	0.52
17.70	4.64	2.16	0.69	20.30	4.84	2.32	0.52
17.75	4.65	2.17	0.69	20.35	4.85	2.33	0.51
17.80	4.65	2.17	0.68	20.40	4.85	2.33	0.51
17.85	4.66	2.17	0.67	20.45	4.85	2.33	0.51
17.90	4.66	2.18	0.67	20.50	4.86	2.33	0.51
17.95	4.66	2.18	0.66	20.55	4.86	2.34	0.51
18.00	4.67	2.18	0.65	20.60	4.86	2.34	0.51
18.05	4.67	2.19	0.65	20.65	4.87	2.34	0.50
18.10	4.68	2.19	0.64	20.70	4.87	2.34	0.50
18.15	4.68	2.19	0.63	20.75	4.87	2.35	0.50

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.35	0.50	23.40	5.04	2.48	0.41
20.85	4.88	2.35	0.50	23.45	5.04	2.48	0.41
20.90	4.88	2.36	0.50	23.50	5.04	2.48	0.41
20.95	4.89	2.36	0.49	23.55	5.04	2.49	0.41
21.00	4.89	2.36	0.49	23.60	5.05	2.49	0.40
21.05	4.89	2.36	0.49	23.65	5.05	2.49	0.40
21.10	4.90	2.37	0.49	23.70	5.05	2.49	0.40
21.15	4.90	2.37	0.49	23.75	5.06	2.49	0.40
21.20	4.90	2.37	0.49	23.80	5.06	2.50	0.40
21.25	4.91	2.37	0.48	23.85	5.06	2.50	0.40
21.30	4.91	2.38	0.48	23.90	5.06	2.50	0.39
21.35	4.91	2.38	0.48	23.95	5.07	2.50	0.39
21.40	4.92	2.38	0.48	24.00	**5.07**	**2.51**	0.39
21.45	4.92	2.39	0.48	24.05	5.07	2.51	0.39
21.50	4.92	2.39	0.48	24.10	5.07	2.51	0.39
21.55	4.93	2.39	0.47	24.15	5.07	2.51	0.39
21.60	4.93	2.39	0.47	24.20	5.07	2.51	0.38
21.65	4.93	2.40	0.47	24.25	5.07	2.51	0.36
21.70	4.94	2.40	0.47	24.30	5.07	2.51	0.34
21.75	4.94	2.40	0.47	24.35	5.07	2.51	0.31
21.80	4.94	2.40	0.47	24.40	5.07	2.51	0.27
21.85	4.95	2.41	0.46	24.45	5.07	2.51	0.23
21.90	4.95	2.41	0.46	24.50	5.07	2.51	0.19
21.95	4.95	2.41	0.46	24.55	5.07	2.51	0.16
22.00	4.96	2.41	0.46	24.60	5.07	2.51	0.13
22.05	4.96	2.42	0.46	24.65	5.07	2.51	0.10
22.10	4.96	2.42	0.46	24.70	5.07	2.51	0.08
22.15	4.96	2.42	0.45	24.75	5.07	2.51	0.07
22.20	4.97	2.42	0.45	24.80	5.07	2.51	0.05
22.25	4.97	2.43	0.45	24.85	5.07	2.51	0.04
22.30	4.97	2.43	0.45	24.90	5.07	2.51	0.03
22.35	4.98	2.43	0.45	24.95	5.07	2.51	0.03
22.40	4.98	2.43	0.45	25.00	5.07	2.51	0.02
22.45	4.98	2.44	0.44	25.05	5.07	2.51	0.02
22.50	4.99	2.44	0.44	25.10	5.07	2.51	0.01
22.55	4.99	2.44	0.44	25.15	5.07	2.51	0.01
22.60	4.99	2.44	0.44	25.20	5.07	2.51	0.01
22.65	4.99	2.44	0.44	25.25	5.07	2.51	0.01
22.70	5.00	2.45	0.43	25.30	5.07	2.51	0.01
22.75	5.00	2.45	0.43	25.35	5.07	2.51	0.00
22.80	5.00	2.45	0.43	25.40	5.07	2.51	0.00
22.85	5.01	2.45	0.43	25.45	5.07	2.51	0.00
22.90	5.01	2.46	0.43	25.50	5.07	2.51	0.00
22.95	5.01	2.46	0.43	25.55	5.07	2.51	0.00
23.00	5.01	2.46	0.42	25.60	5.07	2.51	0.00
23.05	5.02	2.46	0.42	25.65	5.07	2.51	0.00
23.10	5.02	2.47	0.42	25.70	5.07	2.51	0.00
23.15	5.02	2.47	0.42	25.75	5.07	2.51	0.00
23.20	5.03	2.47	0.42	25.80	5.07	2.51	0.00
23.25	5.03	2.47	0.42	25.85	5.07	2.51	0.00
23.30	5.03	2.47	0.41	25.90	5.07	2.51	0.00
23.35	5.03	2.48	0.41	25.95	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.51	0.00	28.60	5.07	2.51	0.00
26.05	5.07	2.51	0.00	28.65	5.07	2.51	0.00
26.10	5.07	2.51	0.00	28.70	5.07	2.51	0.00
26.15	5.07	2.51	0.00	28.75	5.07	2.51	0.00
26.20	5.07	2.51	0.00	28.80	5.07	2.51	0.00
26.25	5.07	2.51	0.00	28.85	5.07	2.51	0.00
26.30	5.07	2.51	0.00	28.90	5.07	2.51	0.00
26.35	5.07	2.51	0.00	28.95	5.07	2.51	0.00
26.40	5.07	2.51	0.00	29.00	5.07	2.51	0.00
26.45	5.07	2.51	0.00	29.05	5.07	2.51	0.00
26.50	5.07	2.51	0.00	29.10	5.07	2.51	0.00
26.55	5.07	2.51	0.00	29.15	5.07	2.51	0.00
26.60	5.07	2.51	0.00	29.20	5.07	2.51	0.00
26.65	5.07	2.51	0.00	29.25	5.07	2.51	0.00
26.70	5.07	2.51	0.00	29.30	5.07	2.51	0.00
26.75	5.07	2.51	0.00	29.35	5.07	2.51	0.00
26.80	5.07	2.51	0.00	29.40	5.07	2.51	0.00
26.85	5.07	2.51	0.00	29.45	5.07	2.51	0.00
26.90	5.07	2.51	0.00	29.50	5.07	2.51	0.00
26.95	5.07	2.51	0.00	29.55	5.07	2.51	0.00
27.00	5.07	2.51	0.00	29.60	5.07	2.51	0.00
27.05	5.07	2.51	0.00	29.65	5.07	2.51	0.00
27.10	5.07	2.51	0.00	29.70	5.07	2.51	0.00
27.15	5.07	2.51	0.00	29.75	5.07	2.51	0.00
27.20	5.07	2.51	0.00	29.80	5.07	2.51	0.00
27.25	5.07	2.51	0.00	29.85	5.07	2.51	0.00
27.30	5.07	2.51	0.00	29.90	5.07	2.51	0.00
27.35	5.07	2.51	0.00	29.95	5.07	2.51	0.00
27.40	5.07	2.51	0.00	30.00	5.07	2.51	0.00
27.45	5.07	2.51	0.00	30.05	5.07	2.51	0.00
27.50	5.07	2.51	0.00	30.10	5.07	2.51	0.00
27.55	5.07	2.51	0.00	30.15	5.07	2.51	0.00
27.60	5.07	2.51	0.00	30.20	5.07	2.51	0.00
27.65	5.07	2.51	0.00	30.25	5.07	2.51	0.00
27.70	5.07	2.51	0.00	30.30	5.07	2.51	0.00
27.75	5.07	2.51	0.00	30.35	5.07	2.51	0.00
27.80	5.07	2.51	0.00	30.40	5.07	2.51	0.00
27.85	5.07	2.51	0.00	30.45	5.07	2.51	0.00
27.90	5.07	2.51	0.00	30.50	5.07	2.51	0.00
27.95	5.07	2.51	0.00	30.55	5.07	2.51	0.00
28.00	5.07	2.51	0.00	30.60	5.07	2.51	0.00
28.05	5.07	2.51	0.00	30.65	5.07	2.51	0.00
28.10	5.07	2.51	0.00	30.70	5.07	2.51	0.00
28.15	5.07	2.51	0.00	30.75	5.07	2.51	0.00
28.20	5.07	2.51	0.00	30.80	5.07	2.51	0.00
28.25	5.07	2.51	0.00	30.85	5.07	2.51	0.00
28.30	5.07	2.51	0.00	30.90	5.07	2.51	0.00
28.35	5.07	2.51	0.00	30.95	5.07	2.51	0.00
28.40	5.07	2.51	0.00	31.00	5.07	2.51	0.00
28.45	5.07	2.51	0.00	31.05	5.07	2.51	0.00
28.50	5.07	2.51	0.00	31.10	5.07	2.51	0.00
28.55	5.07	2.51	0.00	31.15	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.51	0.00	33.80	5.07	2.51	0.00
31.25	5.07	2.51	0.00	33.85	5.07	2.51	0.00
31.30	5.07	2.51	0.00	33.90	5.07	2.51	0.00
31.35	5.07	2.51	0.00	33.95	5.07	2.51	0.00
31.40	5.07	2.51	0.00	34.00	5.07	2.51	0.00
31.45	5.07	2.51	0.00	34.05	5.07	2.51	0.00
31.50	5.07	2.51	0.00	34.10	5.07	2.51	0.00
31.55	5.07	2.51	0.00	34.15	5.07	2.51	0.00
31.60	5.07	2.51	0.00	34.20	5.07	2.51	0.00
31.65	5.07	2.51	0.00	34.25	5.07	2.51	0.00
31.70	5.07	2.51	0.00	34.30	5.07	2.51	0.00
31.75	5.07	2.51	0.00	34.35	5.07	2.51	0.00
31.80	5.07	2.51	0.00	34.40	5.07	2.51	0.00
31.85	5.07	2.51	0.00	34.45	5.07	2.51	0.00
31.90	5.07	2.51	0.00	34.50	5.07	2.51	0.00
31.95	5.07	2.51	0.00	34.55	5.07	2.51	0.00
32.00	5.07	2.51	0.00	34.60	5.07	2.51	0.00
32.05	5.07	2.51	0.00	34.65	5.07	2.51	0.00
32.10	5.07	2.51	0.00	34.70	5.07	2.51	0.00
32.15	5.07	2.51	0.00	34.75	5.07	2.51	0.00
32.20	5.07	2.51	0.00	34.80	5.07	2.51	0.00
32.25	5.07	2.51	0.00	34.85	5.07	2.51	0.00
32.30	5.07	2.51	0.00	34.90	5.07	2.51	0.00
32.35	5.07	2.51	0.00	34.95	5.07	2.51	0.00
32.40	5.07	2.51	0.00	35.00	5.07	2.51	0.00
32.45	5.07	2.51	0.00	35.05	5.07	2.51	0.00
32.50	5.07	2.51	0.00	35.10	5.07	2.51	0.00
32.55	5.07	2.51	0.00	35.15	5.07	2.51	0.00
32.60	5.07	2.51	0.00	35.20	5.07	2.51	0.00
32.65	5.07	2.51	0.00	35.25	5.07	2.51	0.00
32.70	5.07	2.51	0.00	35.30	5.07	2.51	0.00
32.75	5.07	2.51	0.00	35.35	5.07	2.51	0.00
32.80	5.07	2.51	0.00	35.40	5.07	2.51	0.00
32.85	5.07	2.51	0.00	35.45	5.07	2.51	0.00
32.90	5.07	2.51	0.00	35.50	5.07	2.51	0.00
32.95	5.07	2.51	0.00	35.55	5.07	2.51	0.00
33.00	5.07	2.51	0.00	35.60	5.07	2.51	0.00
33.05	5.07	2.51	0.00	35.65	5.07	2.51	0.00
33.10	5.07	2.51	0.00	35.70	5.07	2.51	0.00
33.15	5.07	2.51	0.00	35.75	5.07	2.51	0.00
33.20	5.07	2.51	0.00	35.80	5.07	2.51	0.00
33.25	5.07	2.51	0.00	35.85	5.07	2.51	0.00
33.30	5.07	2.51	0.00	35.90	5.07	2.51	0.00
33.35	5.07	2.51	0.00	35.95	5.07	2.51	0.00
33.40	5.07	2.51	0.00	36.00	5.07	2.51	0.00
33.45	5.07	2.51	0.00	36.05	5.07	2.51	0.00
33.50	5.07	2.51	0.00	36.10	5.07	2.51	0.00
33.55	5.07	2.51	0.00	36.15	5.07	2.51	0.00
33.60	5.07	2.51	0.00	36.20	5.07	2.51	0.00
33.65	5.07	2.51	0.00	36.25	5.07	2.51	0.00
33.70	5.07	2.51	0.00	36.30	5.07	2.51	0.00
33.75	5.07	2.51	0.00	36.35	5.07	2.51	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.51	0.00
36.45	5.07	2.51	0.00
36.50	5.07	2.51	0.00
36.55	5.07	2.51	0.00
36.60	5.07	2.51	0.00
36.65	5.07	2.51	0.00
36.70	5.07	2.51	0.00
36.75	5.07	2.51	0.00
36.80	5.07	2.51	0.00
36.85	5.07	2.51	0.00
36.90	5.07	2.51	0.00
36.95	5.07	2.51	0.00
37.00	5.07	2.51	0.00
37.05	5.07	2.51	0.00
37.10	5.07	2.51	0.00
37.15	5.07	2.51	0.00
37.20	5.07	2.51	0.00
37.25	5.07	2.51	0.00
37.30	5.07	2.51	0.00
37.35	5.07	2.51	0.00
37.40	5.07	2.51	0.00
37.45	5.07	2.51	0.00
37.50	5.07	2.51	0.00
37.55	5.07	2.51	0.00
37.60	5.07	2.51	0.00
37.65	5.07	2.51	0.00
37.70	5.07	2.51	0.00
37.75	5.07	2.51	0.00
37.80	5.07	2.51	0.00
37.85	5.07	2.51	0.00
37.90	5.07	2.51	0.00
37.95	5.07	2.51	0.00
38.00	5.07	2.51	0.00
38.05	5.07	2.51	0.00
38.10	5.07	2.51	0.00
38.15	5.07	2.51	0.00
38.20	5.07	2.51	0.00
38.25	5.07	2.51	0.00
38.30	5.07	2.51	0.00
38.35	5.07	2.51	0.00
38.40	5.07	2.51	0.00
38.45	5.07	2.51	0.00
38.50	5.07	2.51	0.00
38.55	5.07	2.51	0.00
38.60	5.07	2.51	0.00
38.65	5.07	2.51	0.00
38.70	5.07	2.51	0.00
38.75	5.07	2.51	0.00
38.80	5.07	2.51	0.00
38.85	5.07	2.51	0.00
38.90	5.07	2.51	0.00
38.95	5.07	2.51	0.00
39.00	5.07	2.51	0.00
39.05	5.07	2.51	0.00
39.10	5.07	2.51	0.00
39.15	5.07	2.51	0.00
39.20	5.07	2.51	0.00
39.25	5.07	2.51	0.00
39.30	5.07	2.51	0.00
39.35	5.07	2.51	0.00
39.40	5.07	2.51	0.00
39.45	5.07	2.51	0.00
39.50	5.07	2.51	0.00
39.55	5.07	2.51	0.00
39.60	5.07	2.51	0.00
39.65	5.07	2.51	0.00
39.70	5.07	2.51	0.00
39.75	5.07	2.51	0.00
39.80	5.07	2.51	0.00
39.85	5.07	2.51	0.00
39.90	5.07	2.51	0.00
39.95	5.07	2.51	0.00
40.00	5.07	2.51	0.00

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

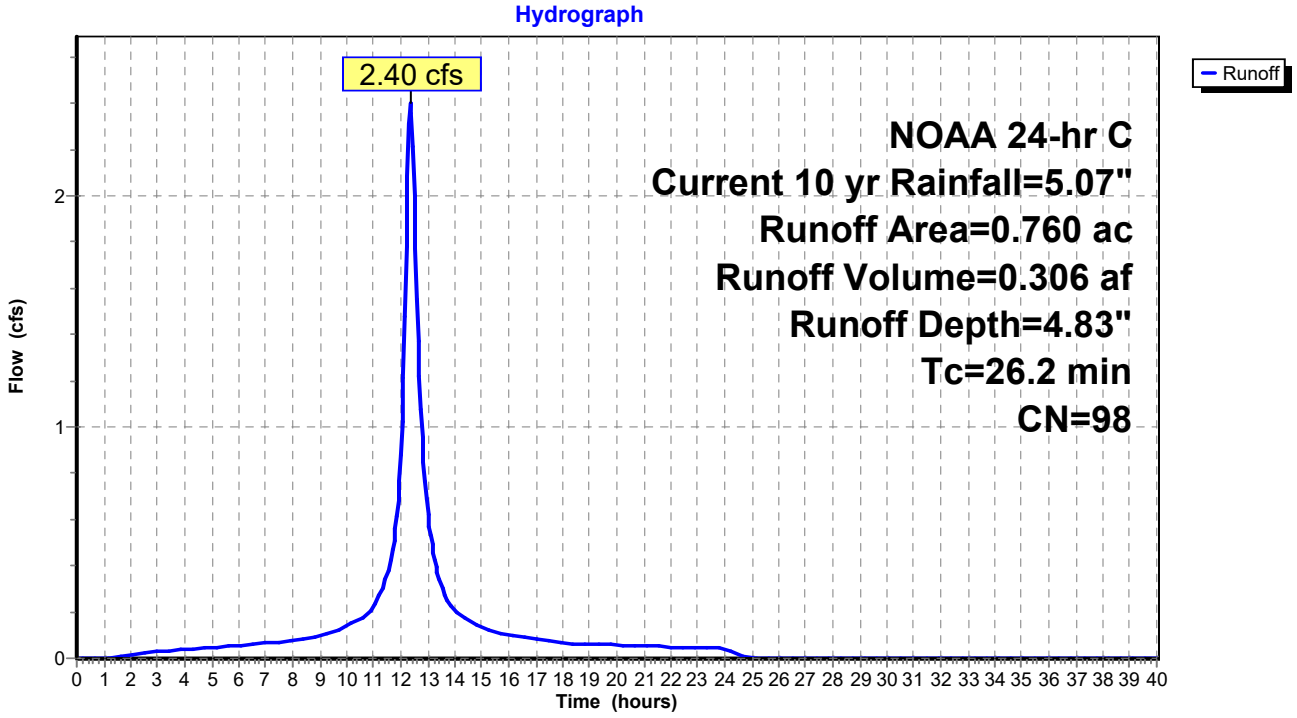
Runoff = 2.40 cfs @ 12.36 hrs, Volume= 0.306 af, Depth= 4.83"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6I: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.03
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.00	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.00	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.00	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.00	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.00	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.08
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.08
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.08
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.08
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.08
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.08
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.09
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.09
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.09
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.09
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.09
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.09
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.09
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.09
6.15	0.41	0.24	0.05	8.75	0.71	0.51	0.09
6.20	0.42	0.25	0.05	8.80	0.71	0.51	0.09
6.25	0.42	0.25	0.05	8.85	0.72	0.52	0.09
6.30	0.43	0.25	0.05	8.90	0.73	0.53	0.10
6.35	0.43	0.26	0.05	8.95	0.73	0.53	0.10
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.10
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.10
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.10
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.10
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.10
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.11
6.80	0.47	0.29	0.06	9.40	0.80	0.60	0.11
6.85	0.48	0.30	0.06	9.45	0.81	0.61	0.11
6.90	0.48	0.30	0.06	9.50	0.82	0.62	0.11
6.95	0.49	0.31	0.06	9.55	0.83	0.63	0.12
7.00	0.49	0.31	0.06	9.60	0.84	0.64	0.12
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.12
7.10	0.50	0.32	0.07	9.70	0.86	0.66	0.12
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.13
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.13
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.13
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.13
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.14
7.40	0.54	0.35	0.07	10.00	0.92	0.72	0.14
7.45	0.54	0.36	0.07	10.05	0.94	0.73	0.14
7.50	0.55	0.36	0.07	10.10	0.95	0.74	0.15
7.55	0.55	0.37	0.07	10.15	0.96	0.75	0.15
7.60	0.56	0.37	0.07	10.20	0.97	0.76	0.15
7.65	0.57	0.38	0.08	10.25	0.98	0.77	0.16
7.70	0.57	0.38	0.08	10.30	0.99	0.79	0.16
7.75	0.58	0.39	0.08	10.35	1.01	0.80	0.16

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.16	13.00	3.85	3.62	0.62
10.45	1.03	0.82	0.17	13.05	3.87	3.64	0.57
10.50	1.04	0.83	0.17	13.10	3.89	3.66	0.53
10.55	1.06	0.85	0.17	13.15	3.91	3.68	0.49
10.60	1.07	0.86	0.18	13.20	3.93	3.70	0.46
10.65	1.09	0.88	0.18	13.25	3.95	3.71	0.43
10.70	1.10	0.89	0.18	13.30	3.97	3.73	0.40
10.75	1.12	0.91	0.19	13.35	3.98	3.75	0.37
10.80	1.14	0.93	0.19	13.40	4.00	3.76	0.35
10.85	1.16	0.94	0.20	13.45	4.01	3.78	0.33
10.90	1.18	0.96	0.21	13.50	4.03	3.79	0.31
10.95	1.20	0.98	0.22	13.55	4.04	3.80	0.30
11.00	1.22	1.00	0.23	13.60	4.05	3.82	0.28
11.05	1.24	1.02	0.24	13.65	4.06	3.83	0.27
11.10	1.26	1.05	0.25	13.70	4.08	3.84	0.26
11.15	1.29	1.07	0.26	13.75	4.09	3.85	0.25
11.20	1.31	1.10	0.27	13.80	4.10	3.86	0.23
11.25	1.34	1.12	0.28	13.85	4.11	3.88	0.22
11.30	1.37	1.15	0.30	13.90	4.12	3.89	0.22
11.35	1.40	1.18	0.31	13.95	4.13	3.90	0.21
11.40	1.43	1.21	0.33	14.00	4.15	3.91	0.20
11.45	1.47	1.25	0.35	14.05	4.16	3.92	0.20
11.50	1.50	1.28	0.37	14.10	4.17	3.93	0.19
11.55	1.55	1.33	0.39	14.15	4.18	3.94	0.19
11.60	1.60	1.38	0.41	14.20	4.19	3.95	0.18
11.65	1.65	1.43	0.43	14.25	4.20	3.96	0.18
11.70	1.71	1.49	0.47	14.30	4.21	3.97	0.18
11.75	1.78	1.56	0.51	14.35	4.22	3.98	0.17
11.80	1.86	1.63	0.56	14.40	4.23	3.99	0.17
11.85	1.96	1.73	0.62	14.45	4.24	4.00	0.17
11.90	2.06	1.84	0.69	14.50	4.25	4.01	0.16
11.95	2.24	2.01	0.77	14.55	4.26	4.02	0.16
12.00	2.42	2.19	0.88	14.60	4.27	4.03	0.16
12.05	2.71	2.48	1.02	14.65	4.27	4.04	0.16
12.10	3.01	2.78	1.22	14.70	4.28	4.05	0.15
12.15	3.11	2.88	1.48	14.75	4.29	4.06	0.15
12.20	3.21	2.98	1.79	14.80	4.30	4.06	0.15
12.25	3.29	3.05	2.09	14.85	4.31	4.07	0.14
12.30	3.36	3.13	2.31	14.90	4.31	4.08	0.14
12.35	3.42	3.18	**2.40**	14.95	4.32	4.09	0.14
12.40	3.47	3.24	2.36	15.00	4.33	4.09	0.14
12.45	3.52	3.29	2.21	15.05	4.34	4.10	0.13
12.50	3.57	3.34	2.01	15.10	4.34	4.11	0.13
12.55	3.60	3.37	1.78	15.15	4.35	4.12	0.13
12.60	3.64	3.40	1.56	15.20	4.36	4.12	0.12
12.65	3.67	3.43	1.38	15.25	4.36	4.13	0.12
12.70	3.70	3.47	1.22	15.30	4.37	4.14	0.12
12.75	3.73	3.49	1.08	15.35	4.38	4.14	0.12
12.80	3.76	3.52	0.96	15.40	4.39	4.15	0.11
12.85	3.78	3.55	0.85	15.45	4.39	4.16	0.11
12.90	3.81	3.57	0.76	15.50	4.40	4.16	0.11
12.95	3.83	3.60	0.69	15.55	4.41	4.17	0.11

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.10	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.10	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.10	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.10	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.10	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.10	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.06
16.10	4.47	4.24	0.10	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.10	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.09	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.09	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.09	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.09	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.09	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.09	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.08	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.08	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.08	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.08	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.08	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.07	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.04
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.04
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.04
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.04
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.04
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.03
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.03
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.02
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.02
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.01
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.01
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.01
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.01
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

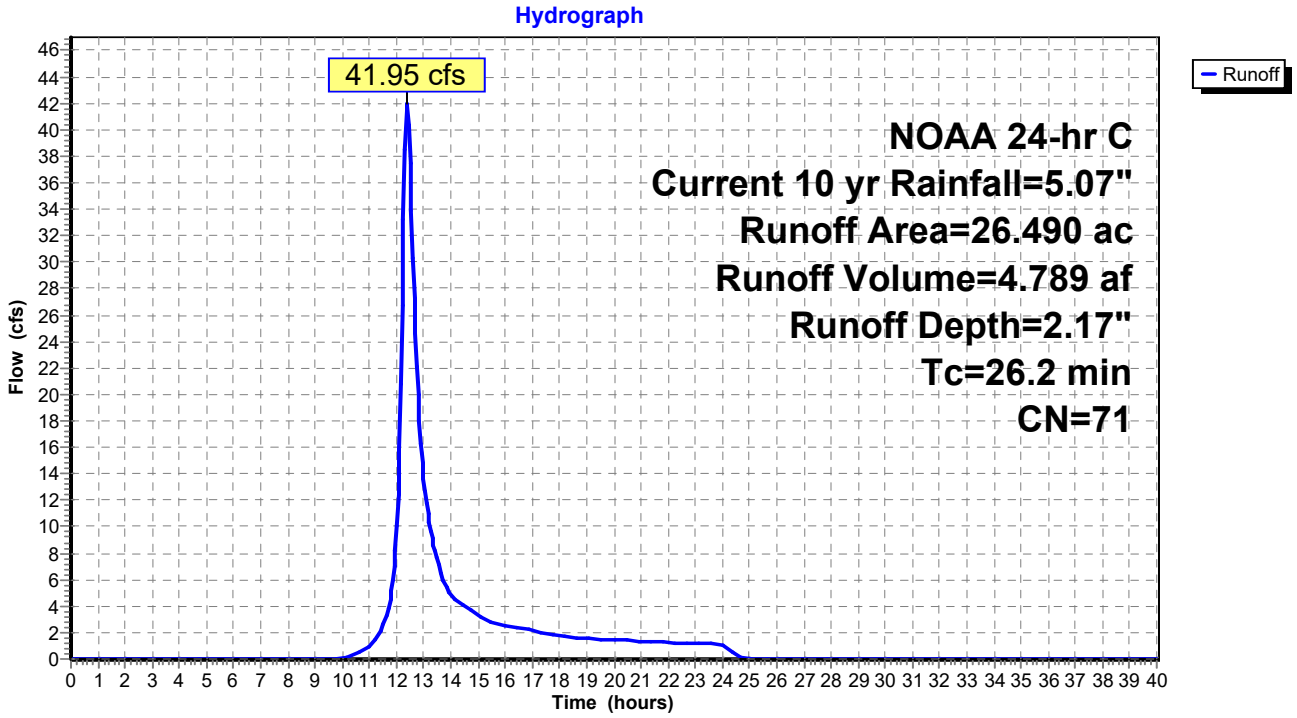
Runoff = 41.95 cfs @ 12.39 hrs, Volume= 4.789 af, Depth= 2.17"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.04
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.06
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.08
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.10
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.13
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.15
7.60	0.56	0.00	0.00	10.20	0.97	0.01	0.18
7.65	0.57	0.00	0.00	10.25	0.98	0.01	0.21
7.70	0.57	0.00	0.00	10.30	0.99	0.01	0.24
7.75	0.58	0.00	0.00	10.35	1.01	0.01	0.27

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.01	0.31	13.00	3.85	1.29	13.65
10.45	1.03	0.01	0.34	13.05	3.87	1.31	12.64
10.50	1.04	0.01	0.38	13.10	3.89	1.32	11.77
10.55	1.06	0.01	0.42	13.15	3.91	1.33	11.00
10.60	1.07	0.02	0.46	13.20	3.93	1.35	10.31
10.65	1.09	0.02	0.50	13.25	3.95	1.36	9.69
10.70	1.10	0.02	0.55	13.30	3.97	1.37	9.13
10.75	1.12	0.02	0.60	13.35	3.98	1.38	8.62
10.80	1.14	0.02	0.66	13.40	4.00	1.39	8.15
10.85	1.16	0.03	0.72	13.45	4.01	1.40	7.73
10.90	1.18	0.03	0.80	13.50	4.03	1.41	7.34
10.95	1.20	0.03	0.88	13.55	4.04	1.42	7.00
11.00	1.22	0.04	0.97	13.60	4.05	1.43	6.68
11.05	1.24	0.04	1.06	13.65	4.06	1.44	6.38
11.10	1.26	0.04	1.17	13.70	4.08	1.45	6.10
11.15	1.29	0.05	1.28	13.75	4.09	1.45	5.83
11.20	1.31	0.05	1.41	13.80	4.10	1.46	5.59
11.25	1.34	0.06	1.55	13.85	4.11	1.47	5.37
11.30	1.37	0.07	1.71	13.90	4.12	1.48	5.18
11.35	1.40	0.07	1.89	13.95	4.13	1.49	5.01
11.40	1.43	0.08	2.09	14.00	4.15	1.49	4.87
11.45	1.47	0.09	2.30	14.05	4.16	1.50	4.75
11.50	1.50	0.10	2.54	14.10	4.17	1.51	4.65
11.55	1.55	0.11	2.79	14.15	4.18	1.52	4.55
11.60	1.60	0.13	3.08	14.20	4.19	1.52	4.46
11.65	1.65	0.14	3.44	14.25	4.20	1.53	4.38
11.70	1.71	0.16	3.89	14.30	4.21	1.54	4.30
11.75	1.78	0.18	4.45	14.35	4.22	1.55	4.23
11.80	1.86	0.21	5.13	14.40	4.23	1.55	4.15
11.85	1.96	0.25	5.95	14.45	4.24	1.56	4.08
11.90	2.06	0.29	6.96	14.50	4.25	1.57	4.01
11.95	2.24	0.37	8.26	14.55	4.26	1.57	3.94
12.00	2.42	0.45	10.00	14.60	4.27	1.58	3.87
12.05	2.71	0.60	12.39	14.65	4.27	1.58	3.81
12.10	3.01	0.77	15.86	14.70	4.28	1.59	3.74
12.15	3.11	0.82	20.71	14.75	4.29	1.60	3.67
12.20	3.21	0.89	26.77	14.80	4.30	1.60	3.60
12.25	3.29	0.93	33.16	14.85	4.31	1.61	3.53
12.30	3.36	0.98	38.50	14.90	4.31	1.61	3.47
12.35	3.42	1.01	41.43	14.95	4.32	1.62	3.40
12.40	3.47	1.04	**41.87**	15.00	4.33	1.62	3.33
12.45	3.52	1.08	40.38	15.05	4.34	1.63	3.26
12.50	3.57	1.11	37.49	15.10	4.34	1.63	3.19
12.55	3.60	1.13	33.91	15.15	4.35	1.64	3.12
12.60	3.64	1.15	30.36	15.20	4.36	1.64	3.06
12.65	3.67	1.17	27.31	15.25	4.36	1.65	2.99
12.70	3.70	1.19	24.60	15.30	4.37	1.65	2.93
12.75	3.73	1.21	22.14	15.35	4.38	1.66	2.87
12.80	3.76	1.23	19.92	15.40	4.39	1.66	2.82
12.85	3.78	1.25	17.99	15.45	4.39	1.67	2.78
12.90	3.81	1.26	16.31	15.50	4.40	1.67	2.74
12.95	3.83	1.28	14.87	15.55	4.41	1.68	2.71

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.68	2.68	18.20	4.68	1.88	1.70
15.65	4.42	1.69	2.66	18.25	4.69	1.88	1.68
15.70	4.42	1.69	2.64	18.30	4.69	1.89	1.67
15.75	4.43	1.70	2.61	18.35	4.70	1.89	1.65
15.80	4.44	1.70	2.59	18.40	4.70	1.89	1.64
15.85	4.44	1.71	2.57	18.45	4.70	1.90	1.63
15.90	4.45	1.71	2.55	18.50	4.71	1.90	1.62
15.95	4.46	1.71	2.53	18.55	4.71	1.90	1.61
16.00	4.46	1.72	2.51	18.60	4.72	1.90	1.60
16.05	4.47	1.72	2.49	18.65	4.72	1.91	1.59
16.10	4.47	1.73	2.48	18.70	4.72	1.91	1.59
16.15	4.48	1.73	2.46	18.75	4.73	1.91	1.58
16.20	4.49	1.74	2.44	18.80	4.73	1.92	1.58
16.25	4.49	1.74	2.42	18.85	4.74	1.92	1.57
16.30	4.50	1.75	2.40	18.90	4.74	1.92	1.57
16.35	4.50	1.75	2.39	18.95	4.74	1.92	1.56
16.40	4.51	1.75	2.37	19.00	4.75	1.93	1.56
16.45	4.52	1.76	2.35	19.05	4.75	1.93	1.55
16.50	4.52	1.76	2.33	19.10	4.76	1.93	1.55
16.55	4.53	1.77	2.32	19.15	4.76	1.94	1.54
16.60	4.53	1.77	2.30	19.20	4.76	1.94	1.54
16.65	4.54	1.77	2.28	19.25	4.77	1.94	1.53
16.70	4.54	1.78	2.26	19.30	4.77	1.94	1.53
16.75	4.55	1.78	2.24	19.35	4.77	1.95	1.52
16.80	4.55	1.79	2.22	19.40	4.78	1.95	1.52
16.85	4.56	1.79	2.21	19.45	4.78	1.95	1.51
16.90	4.57	1.79	2.19	19.50	4.79	1.96	1.51
16.95	4.57	1.80	2.17	19.55	4.79	1.96	1.51
17.00	4.58	1.80	2.15	19.60	4.79	1.96	1.50
17.05	4.58	1.80	2.13	19.65	4.80	1.96	1.50
17.10	4.59	1.81	2.11	19.70	4.80	1.97	1.49
17.15	4.59	1.81	2.10	19.75	4.80	1.97	1.49
17.20	4.60	1.82	2.08	19.80	4.81	1.97	1.48
17.25	4.60	1.82	2.06	19.85	4.81	1.97	1.48
17.30	4.61	1.82	2.04	19.90	4.81	1.98	1.47
17.35	4.61	1.83	2.02	19.95	4.82	1.98	1.47
17.40	4.61	1.83	2.00	20.00	4.82	1.98	1.47
17.45	4.62	1.83	1.98	20.05	4.83	1.99	1.46
17.50	4.62	1.84	1.97	20.10	4.83	1.99	1.46
17.55	4.63	1.84	1.95	20.15	4.83	1.99	1.45
17.60	4.63	1.84	1.93	20.20	4.84	1.99	1.45
17.65	4.64	1.85	1.91	20.25	4.84	2.00	1.44
17.70	4.64	1.85	1.89	20.30	4.84	2.00	1.44
17.75	4.65	1.85	1.87	20.35	4.85	2.00	1.43
17.80	4.65	1.86	1.85	20.40	4.85	2.00	1.43
17.85	4.66	1.86	1.83	20.45	4.85	2.01	1.42
17.90	4.66	1.86	1.82	20.50	4.86	2.01	1.42
17.95	4.66	1.87	1.80	20.55	4.86	2.01	1.41
18.00	4.67	1.87	1.78	20.60	4.86	2.01	1.41
18.05	4.67	1.87	1.76	20.65	4.87	2.02	1.41
18.10	4.68	1.88	1.74	20.70	4.87	2.02	1.40
18.15	4.68	1.88	1.72	20.75	4.87	2.02	1.40

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.02	1.39	23.40	5.04	2.14	1.15
20.85	4.88	2.03	1.39	23.45	5.04	2.15	1.14
20.90	4.88	2.03	1.38	23.50	5.04	2.15	1.14
20.95	4.89	2.03	1.38	23.55	5.04	2.15	1.13
21.00	4.89	2.03	1.37	23.60	5.05	2.15	1.13
21.05	4.89	2.04	1.37	23.65	5.05	2.15	1.12
21.10	4.90	2.04	1.36	23.70	5.05	2.16	1.12
21.15	4.90	2.04	1.36	23.75	5.06	2.16	1.11
21.20	4.90	2.04	1.35	23.80	5.06	2.16	1.11
21.25	4.91	2.05	1.35	23.85	5.06	2.16	1.10
21.30	4.91	2.05	1.34	23.90	5.06	2.16	1.10
21.35	4.91	2.05	1.34	23.95	5.07	2.17	1.09
21.40	4.92	2.05	1.34	24.00	**5.07**	**2.17**	1.09
21.45	4.92	2.06	1.33	24.05	5.07	2.17	1.09
21.50	4.92	2.06	1.33	24.10	5.07	2.17	1.09
21.55	4.93	2.06	1.32	24.15	5.07	2.17	1.07
21.60	4.93	2.06	1.32	24.20	5.07	2.17	1.02
21.65	4.93	2.07	1.31	24.25	5.07	2.17	0.92
21.70	4.94	2.07	1.31	24.30	5.07	2.17	0.79
21.75	4.94	2.07	1.30	24.35	5.07	2.17	0.64
21.80	4.94	2.07	1.30	24.40	5.07	2.17	0.51
21.85	4.95	2.08	1.29	24.45	5.07	2.17	0.39
21.90	4.95	2.08	1.29	24.50	5.07	2.17	0.29
21.95	4.95	2.08	1.28	24.55	5.07	2.17	0.22
22.00	4.96	2.08	1.28	24.60	5.07	2.17	0.16
22.05	4.96	2.09	1.28	24.65	5.07	2.17	0.12
22.10	4.96	2.09	1.27	24.70	5.07	2.17	0.09
22.15	4.96	2.09	1.27	24.75	5.07	2.17	0.07
22.20	4.97	2.09	1.26	24.80	5.07	2.17	0.05
22.25	4.97	2.09	1.26	24.85	5.07	2.17	0.04
22.30	4.97	2.10	1.25	24.90	5.07	2.17	0.03
22.35	4.98	2.10	1.25	24.95	5.07	2.17	0.02
22.40	4.98	2.10	1.24	25.00	5.07	2.17	0.02
22.45	4.98	2.10	1.24	25.05	5.07	2.17	0.01
22.50	4.99	2.11	1.23	25.10	5.07	2.17	0.01
22.55	4.99	2.11	1.23	25.15	5.07	2.17	0.01
22.60	4.99	2.11	1.22	25.20	5.07	2.17	0.00
22.65	4.99	2.11	1.22	25.25	5.07	2.17	0.00
22.70	5.00	2.11	1.21	25.30	5.07	2.17	0.00
22.75	5.00	2.12	1.21	25.35	5.07	2.17	0.00
22.80	5.00	2.12	1.20	25.40	5.07	2.17	0.00
22.85	5.01	2.12	1.20	25.45	5.07	2.17	0.00
22.90	5.01	2.12	1.19	25.50	5.07	2.17	0.00
22.95	5.01	2.13	1.19	25.55	5.07	2.17	0.00
23.00	5.01	2.13	1.18	25.60	5.07	2.17	0.00
23.05	5.02	2.13	1.18	25.65	5.07	2.17	0.00
23.10	5.02	2.13	1.17	25.70	5.07	2.17	0.00
23.15	5.02	2.13	1.17	25.75	5.07	2.17	0.00
23.20	5.03	2.14	1.17	25.80	5.07	2.17	0.00
23.25	5.03	2.14	1.16	25.85	5.07	2.17	0.00
23.30	5.03	2.14	1.16	25.90	5.07	2.17	0.00
23.35	5.03	2.14	1.15	25.95	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.17	0.00	28.60	5.07	2.17	0.00
26.05	5.07	2.17	0.00	28.65	5.07	2.17	0.00
26.10	5.07	2.17	0.00	28.70	5.07	2.17	0.00
26.15	5.07	2.17	0.00	28.75	5.07	2.17	0.00
26.20	5.07	2.17	0.00	28.80	5.07	2.17	0.00
26.25	5.07	2.17	0.00	28.85	5.07	2.17	0.00
26.30	5.07	2.17	0.00	28.90	5.07	2.17	0.00
26.35	5.07	2.17	0.00	28.95	5.07	2.17	0.00
26.40	5.07	2.17	0.00	29.00	5.07	2.17	0.00
26.45	5.07	2.17	0.00	29.05	5.07	2.17	0.00
26.50	5.07	2.17	0.00	29.10	5.07	2.17	0.00
26.55	5.07	2.17	0.00	29.15	5.07	2.17	0.00
26.60	5.07	2.17	0.00	29.20	5.07	2.17	0.00
26.65	5.07	2.17	0.00	29.25	5.07	2.17	0.00
26.70	5.07	2.17	0.00	29.30	5.07	2.17	0.00
26.75	5.07	2.17	0.00	29.35	5.07	2.17	0.00
26.80	5.07	2.17	0.00	29.40	5.07	2.17	0.00
26.85	5.07	2.17	0.00	29.45	5.07	2.17	0.00
26.90	5.07	2.17	0.00	29.50	5.07	2.17	0.00
26.95	5.07	2.17	0.00	29.55	5.07	2.17	0.00
27.00	5.07	2.17	0.00	29.60	5.07	2.17	0.00
27.05	5.07	2.17	0.00	29.65	5.07	2.17	0.00
27.10	5.07	2.17	0.00	29.70	5.07	2.17	0.00
27.15	5.07	2.17	0.00	29.75	5.07	2.17	0.00
27.20	5.07	2.17	0.00	29.80	5.07	2.17	0.00
27.25	5.07	2.17	0.00	29.85	5.07	2.17	0.00
27.30	5.07	2.17	0.00	29.90	5.07	2.17	0.00
27.35	5.07	2.17	0.00	29.95	5.07	2.17	0.00
27.40	5.07	2.17	0.00	30.00	5.07	2.17	0.00
27.45	5.07	2.17	0.00	30.05	5.07	2.17	0.00
27.50	5.07	2.17	0.00	30.10	5.07	2.17	0.00
27.55	5.07	2.17	0.00	30.15	5.07	2.17	0.00
27.60	5.07	2.17	0.00	30.20	5.07	2.17	0.00
27.65	5.07	2.17	0.00	30.25	5.07	2.17	0.00
27.70	5.07	2.17	0.00	30.30	5.07	2.17	0.00
27.75	5.07	2.17	0.00	30.35	5.07	2.17	0.00
27.80	5.07	2.17	0.00	30.40	5.07	2.17	0.00
27.85	5.07	2.17	0.00	30.45	5.07	2.17	0.00
27.90	5.07	2.17	0.00	30.50	5.07	2.17	0.00
27.95	5.07	2.17	0.00	30.55	5.07	2.17	0.00
28.00	5.07	2.17	0.00	30.60	5.07	2.17	0.00
28.05	5.07	2.17	0.00	30.65	5.07	2.17	0.00
28.10	5.07	2.17	0.00	30.70	5.07	2.17	0.00
28.15	5.07	2.17	0.00	30.75	5.07	2.17	0.00
28.20	5.07	2.17	0.00	30.80	5.07	2.17	0.00
28.25	5.07	2.17	0.00	30.85	5.07	2.17	0.00
28.30	5.07	2.17	0.00	30.90	5.07	2.17	0.00
28.35	5.07	2.17	0.00	30.95	5.07	2.17	0.00
28.40	5.07	2.17	0.00	31.00	5.07	2.17	0.00
28.45	5.07	2.17	0.00	31.05	5.07	2.17	0.00
28.50	5.07	2.17	0.00	31.10	5.07	2.17	0.00
28.55	5.07	2.17	0.00	31.15	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.17	0.00	33.80	5.07	2.17	0.00
31.25	5.07	2.17	0.00	33.85	5.07	2.17	0.00
31.30	5.07	2.17	0.00	33.90	5.07	2.17	0.00
31.35	5.07	2.17	0.00	33.95	5.07	2.17	0.00
31.40	5.07	2.17	0.00	34.00	5.07	2.17	0.00
31.45	5.07	2.17	0.00	34.05	5.07	2.17	0.00
31.50	5.07	2.17	0.00	34.10	5.07	2.17	0.00
31.55	5.07	2.17	0.00	34.15	5.07	2.17	0.00
31.60	5.07	2.17	0.00	34.20	5.07	2.17	0.00
31.65	5.07	2.17	0.00	34.25	5.07	2.17	0.00
31.70	5.07	2.17	0.00	34.30	5.07	2.17	0.00
31.75	5.07	2.17	0.00	34.35	5.07	2.17	0.00
31.80	5.07	2.17	0.00	34.40	5.07	2.17	0.00
31.85	5.07	2.17	0.00	34.45	5.07	2.17	0.00
31.90	5.07	2.17	0.00	34.50	5.07	2.17	0.00
31.95	5.07	2.17	0.00	34.55	5.07	2.17	0.00
32.00	5.07	2.17	0.00	34.60	5.07	2.17	0.00
32.05	5.07	2.17	0.00	34.65	5.07	2.17	0.00
32.10	5.07	2.17	0.00	34.70	5.07	2.17	0.00
32.15	5.07	2.17	0.00	34.75	5.07	2.17	0.00
32.20	5.07	2.17	0.00	34.80	5.07	2.17	0.00
32.25	5.07	2.17	0.00	34.85	5.07	2.17	0.00
32.30	5.07	2.17	0.00	34.90	5.07	2.17	0.00
32.35	5.07	2.17	0.00	34.95	5.07	2.17	0.00
32.40	5.07	2.17	0.00	35.00	5.07	2.17	0.00
32.45	5.07	2.17	0.00	35.05	5.07	2.17	0.00
32.50	5.07	2.17	0.00	35.10	5.07	2.17	0.00
32.55	5.07	2.17	0.00	35.15	5.07	2.17	0.00
32.60	5.07	2.17	0.00	35.20	5.07	2.17	0.00
32.65	5.07	2.17	0.00	35.25	5.07	2.17	0.00
32.70	5.07	2.17	0.00	35.30	5.07	2.17	0.00
32.75	5.07	2.17	0.00	35.35	5.07	2.17	0.00
32.80	5.07	2.17	0.00	35.40	5.07	2.17	0.00
32.85	5.07	2.17	0.00	35.45	5.07	2.17	0.00
32.90	5.07	2.17	0.00	35.50	5.07	2.17	0.00
32.95	5.07	2.17	0.00	35.55	5.07	2.17	0.00
33.00	5.07	2.17	0.00	35.60	5.07	2.17	0.00
33.05	5.07	2.17	0.00	35.65	5.07	2.17	0.00
33.10	5.07	2.17	0.00	35.70	5.07	2.17	0.00
33.15	5.07	2.17	0.00	35.75	5.07	2.17	0.00
33.20	5.07	2.17	0.00	35.80	5.07	2.17	0.00
33.25	5.07	2.17	0.00	35.85	5.07	2.17	0.00
33.30	5.07	2.17	0.00	35.90	5.07	2.17	0.00
33.35	5.07	2.17	0.00	35.95	5.07	2.17	0.00
33.40	5.07	2.17	0.00	36.00	5.07	2.17	0.00
33.45	5.07	2.17	0.00	36.05	5.07	2.17	0.00
33.50	5.07	2.17	0.00	36.10	5.07	2.17	0.00
33.55	5.07	2.17	0.00	36.15	5.07	2.17	0.00
33.60	5.07	2.17	0.00	36.20	5.07	2.17	0.00
33.65	5.07	2.17	0.00	36.25	5.07	2.17	0.00
33.70	5.07	2.17	0.00	36.30	5.07	2.17	0.00
33.75	5.07	2.17	0.00	36.35	5.07	2.17	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.17	0.00
36.45	5.07	2.17	0.00
36.50	5.07	2.17	0.00
36.55	5.07	2.17	0.00
36.60	5.07	2.17	0.00
36.65	5.07	2.17	0.00
36.70	5.07	2.17	0.00
36.75	5.07	2.17	0.00
36.80	5.07	2.17	0.00
36.85	5.07	2.17	0.00
36.90	5.07	2.17	0.00
36.95	5.07	2.17	0.00
37.00	5.07	2.17	0.00
37.05	5.07	2.17	0.00
37.10	5.07	2.17	0.00
37.15	5.07	2.17	0.00
37.20	5.07	2.17	0.00
37.25	5.07	2.17	0.00
37.30	5.07	2.17	0.00
37.35	5.07	2.17	0.00
37.40	5.07	2.17	0.00
37.45	5.07	2.17	0.00
37.50	5.07	2.17	0.00
37.55	5.07	2.17	0.00
37.60	5.07	2.17	0.00
37.65	5.07	2.17	0.00
37.70	5.07	2.17	0.00
37.75	5.07	2.17	0.00
37.80	5.07	2.17	0.00
37.85	5.07	2.17	0.00
37.90	5.07	2.17	0.00
37.95	5.07	2.17	0.00
38.00	5.07	2.17	0.00
38.05	5.07	2.17	0.00
38.10	5.07	2.17	0.00
38.15	5.07	2.17	0.00
38.20	5.07	2.17	0.00
38.25	5.07	2.17	0.00
38.30	5.07	2.17	0.00
38.35	5.07	2.17	0.00
38.40	5.07	2.17	0.00
38.45	5.07	2.17	0.00
38.50	5.07	2.17	0.00
38.55	5.07	2.17	0.00
38.60	5.07	2.17	0.00
38.65	5.07	2.17	0.00
38.70	5.07	2.17	0.00
38.75	5.07	2.17	0.00
38.80	5.07	2.17	0.00
38.85	5.07	2.17	0.00
38.90	5.07	2.17	0.00
38.95	5.07	2.17	0.00
39.00	5.07	2.17	0.00
39.05	5.07	2.17	0.00
39.10	5.07	2.17	0.00
39.15	5.07	2.17	0.00
39.20	5.07	2.17	0.00
39.25	5.07	2.17	0.00
39.30	5.07	2.17	0.00
39.35	5.07	2.17	0.00
39.40	5.07	2.17	0.00
39.45	5.07	2.17	0.00
39.50	5.07	2.17	0.00
39.55	5.07	2.17	0.00
39.60	5.07	2.17	0.00
39.65	5.07	2.17	0.00
39.70	5.07	2.17	0.00
39.75	5.07	2.17	0.00
39.80	5.07	2.17	0.00
39.85	5.07	2.17	0.00
39.90	5.07	2.17	0.00
39.95	5.07	2.17	0.00
40.00	5.07	2.17	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

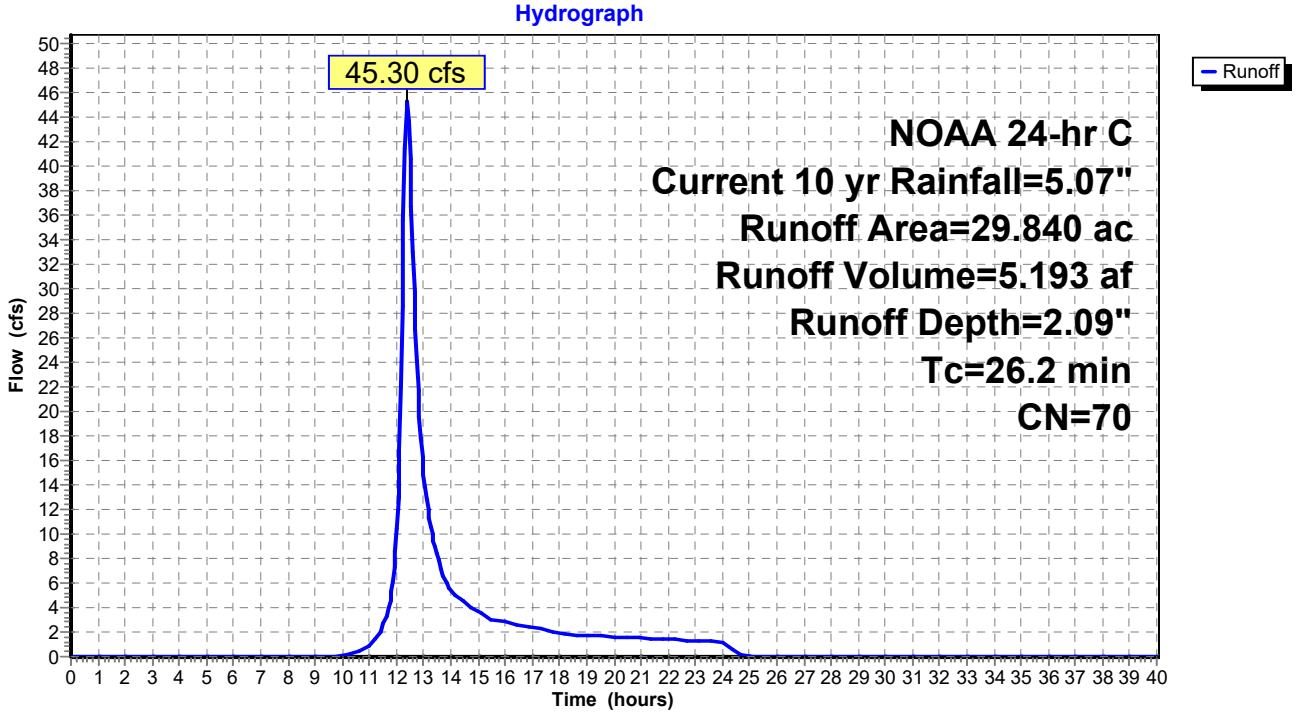
Runoff = 45.30 cfs @ 12.39 hrs, Volume= 5.193 af, Depth= 2.09"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.01
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.05
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.07
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.10
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.12
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.15
7.75	0.58	0.00	0.00	10.35	1.01	0.01	0.18

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.01	0.22	13.00	3.85	1.23	14.92
10.45	1.03	0.01	0.25	13.05	3.87	1.25	13.82
10.50	1.04	0.01	0.29	13.10	3.89	1.26	12.88
10.55	1.06	0.01	0.33	13.15	3.91	1.27	12.05
10.60	1.07	0.01	0.37	13.20	3.93	1.28	11.30
10.65	1.09	0.01	0.42	13.25	3.95	1.30	10.62
10.70	1.10	0.01	0.46	13.30	3.97	1.31	10.00
10.75	1.12	0.02	0.52	13.35	3.98	1.32	9.45
10.80	1.14	0.02	0.58	13.40	4.00	1.33	8.94
10.85	1.16	0.02	0.65	13.45	4.01	1.34	8.48
10.90	1.18	0.02	0.72	13.50	4.03	1.35	8.06
10.95	1.20	0.02	0.81	13.55	4.04	1.36	7.68
11.00	1.22	0.03	0.90	13.60	4.05	1.36	7.33
11.05	1.24	0.03	1.00	13.65	4.06	1.37	7.01
11.10	1.26	0.04	1.10	13.70	4.08	1.38	6.70
11.15	1.29	0.04	1.22	13.75	4.09	1.39	6.40
11.20	1.31	0.04	1.35	13.80	4.10	1.40	6.14
11.25	1.34	0.05	1.50	13.85	4.11	1.40	5.90
11.30	1.37	0.05	1.67	13.90	4.12	1.41	5.69
11.35	1.40	0.06	1.86	13.95	4.13	1.42	5.51
11.40	1.43	0.07	2.06	14.00	4.15	1.43	5.36
11.45	1.47	0.08	2.29	14.05	4.16	1.44	5.22
11.50	1.50	0.08	2.54	14.10	4.17	1.44	5.11
11.55	1.55	0.10	2.81	14.15	4.18	1.45	5.00
11.60	1.60	0.11	3.12	14.20	4.19	1.46	4.90
11.65	1.65	0.13	3.49	14.25	4.20	1.46	4.81
11.70	1.71	0.14	3.97	14.30	4.21	1.47	4.73
11.75	1.78	0.16	4.57	14.35	4.22	1.48	4.65
11.80	1.86	0.19	5.29	14.40	4.23	1.48	4.57
11.85	1.96	0.23	6.16	14.45	4.24	1.49	4.49
11.90	2.06	0.26	7.24	14.50	4.25	1.50	4.41
11.95	2.24	0.34	8.62	14.55	4.26	1.50	4.34
12.00	2.42	0.42	10.49	14.60	4.27	1.51	4.26
12.05	2.71	0.56	13.06	14.65	4.27	1.52	4.19
12.10	3.01	0.72	16.80	14.70	4.28	1.52	4.11
12.15	3.11	0.78	22.05	14.75	4.29	1.53	4.04
12.20	3.21	0.84	28.63	14.80	4.30	1.53	3.96
12.25	3.29	0.88	35.59	14.85	4.31	1.54	3.89
12.30	3.36	0.92	41.43	14.90	4.31	1.54	3.81
12.35	3.42	0.96	44.69	14.95	4.32	1.55	3.74
12.40	3.47	0.99	**45.24**	15.00	4.33	1.55	3.67
12.45	3.52	1.02	43.70	15.05	4.34	1.56	3.59
12.50	3.57	1.05	40.62	15.10	4.34	1.56	3.51
12.55	3.60	1.07	36.79	15.15	4.35	1.57	3.44
12.60	3.64	1.09	32.98	15.20	4.36	1.57	3.36
12.65	3.67	1.11	29.69	15.25	4.36	1.58	3.29
12.70	3.70	1.13	26.78	15.30	4.37	1.58	3.22
12.75	3.73	1.15	24.12	15.35	4.38	1.59	3.16
12.80	3.76	1.17	21.72	15.40	4.39	1.59	3.11
12.85	3.78	1.19	19.62	15.45	4.39	1.60	3.06
12.90	3.81	1.20	17.80	15.50	4.40	1.60	3.02
12.95	3.83	1.22	16.24	15.55	4.41	1.61	2.99

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.61	2.95	18.20	4.68	1.81	1.88
15.65	4.42	1.62	2.93	18.25	4.69	1.81	1.86
15.70	4.42	1.62	2.90	18.30	4.69	1.81	1.84
15.75	4.43	1.63	2.88	18.35	4.70	1.81	1.82
15.80	4.44	1.63	2.85	18.40	4.70	1.82	1.81
15.85	4.44	1.63	2.83	18.45	4.70	1.82	1.79
15.90	4.45	1.64	2.81	18.50	4.71	1.82	1.78
15.95	4.46	1.64	2.79	18.55	4.71	1.83	1.77
16.00	4.46	1.65	2.77	18.60	4.72	1.83	1.77
16.05	4.47	1.65	2.75	18.65	4.72	1.83	1.76
16.10	4.47	1.66	2.73	18.70	4.72	1.83	1.75
16.15	4.48	1.66	2.71	18.75	4.73	1.84	1.74
16.20	4.49	1.66	2.69	18.80	4.73	1.84	1.74
16.25	4.49	1.67	2.67	18.85	4.74	1.84	1.73
16.30	4.50	1.67	2.65	18.90	4.74	1.85	1.73
16.35	4.50	1.68	2.63	18.95	4.74	1.85	1.72
16.40	4.51	1.68	2.61	19.00	4.75	1.85	1.72
16.45	4.52	1.68	2.59	19.05	4.75	1.85	1.71
16.50	4.52	1.69	2.57	19.10	4.76	1.86	1.71
16.55	4.53	1.69	2.55	19.15	4.76	1.86	1.70
16.60	4.53	1.70	2.53	19.20	4.76	1.86	1.70
16.65	4.54	1.70	2.51	19.25	4.77	1.86	1.69
16.70	4.54	1.70	2.49	19.30	4.77	1.87	1.69
16.75	4.55	1.71	2.47	19.35	4.77	1.87	1.68
16.80	4.55	1.71	2.45	19.40	4.78	1.87	1.68
16.85	4.56	1.72	2.43	19.45	4.78	1.88	1.67
16.90	4.57	1.72	2.41	19.50	4.79	1.88	1.67
16.95	4.57	1.72	2.39	19.55	4.79	1.88	1.66
17.00	4.58	1.73	2.37	19.60	4.79	1.88	1.66
17.05	4.58	1.73	2.35	19.65	4.80	1.89	1.65
17.10	4.59	1.73	2.33	19.70	4.80	1.89	1.65
17.15	4.59	1.74	2.31	19.75	4.80	1.89	1.64
17.20	4.60	1.74	2.29	19.80	4.81	1.89	1.64
17.25	4.60	1.75	2.27	19.85	4.81	1.90	1.63
17.30	4.61	1.75	2.25	19.90	4.81	1.90	1.63
17.35	4.61	1.75	2.23	19.95	4.82	1.90	1.62
17.40	4.61	1.76	2.21	20.00	4.82	1.91	1.62
17.45	4.62	1.76	2.19	20.05	4.83	1.91	1.61
17.50	4.62	1.76	2.17	20.10	4.83	1.91	1.61
17.55	4.63	1.77	2.15	20.15	4.83	1.91	1.60
17.60	4.63	1.77	2.13	20.20	4.84	1.92	1.60
17.65	4.64	1.77	2.10	20.25	4.84	1.92	1.59
17.70	4.64	1.78	2.08	20.30	4.84	1.92	1.59
17.75	4.65	1.78	2.06	20.35	4.85	1.92	1.58
17.80	4.65	1.78	2.04	20.40	4.85	1.93	1.58
17.85	4.66	1.78	2.02	20.45	4.85	1.93	1.57
17.90	4.66	1.79	2.00	20.50	4.86	1.93	1.57
17.95	4.66	1.79	1.98	20.55	4.86	1.93	1.56
18.00	4.67	1.79	1.96	20.60	4.86	1.94	1.56
18.05	4.67	1.80	1.94	20.65	4.87	1.94	1.55
18.10	4.68	1.80	1.92	20.70	4.87	1.94	1.55
18.15	4.68	1.80	1.90	20.75	4.87	1.94	1.54

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.95	1.54	23.40	5.04	2.06	1.27
20.85	4.88	1.95	1.53	23.45	5.04	2.07	1.26
20.90	4.88	1.95	1.53	23.50	5.04	2.07	1.25
20.95	4.89	1.95	1.52	23.55	5.04	2.07	1.25
21.00	4.89	1.96	1.52	23.60	5.05	2.07	1.24
21.05	4.89	1.96	1.51	23.65	5.05	2.07	1.24
21.10	4.90	1.96	1.51	23.70	5.05	2.08	1.23
21.15	4.90	1.96	1.50	23.75	5.06	2.08	1.23
21.20	4.90	1.97	1.50	23.80	5.06	2.08	1.22
21.25	4.91	1.97	1.49	23.85	5.06	2.08	1.22
21.30	4.91	1.97	1.48	23.90	5.06	2.08	1.21
21.35	4.91	1.97	1.48	23.95	5.07	2.09	1.21
21.40	4.92	1.98	1.48	24.00	**5.07**	**2.09**	1.21
21.45	4.92	1.98	1.47	24.05	5.07	2.09	1.21
21.50	4.92	1.98	1.47	24.10	5.07	2.09	1.20
21.55	4.93	1.98	1.46	24.15	5.07	2.09	1.18
21.60	4.93	1.98	1.46	24.20	5.07	2.09	1.12
21.65	4.93	1.99	1.45	24.25	5.07	2.09	1.01
21.70	4.94	1.99	1.45	24.30	5.07	2.09	0.87
21.75	4.94	1.99	1.44	24.35	5.07	2.09	0.71
21.80	4.94	1.99	1.43	24.40	5.07	2.09	0.56
21.85	4.95	2.00	1.43	24.45	5.07	2.09	0.43
21.90	4.95	2.00	1.42	24.50	5.07	2.09	0.32
21.95	4.95	2.00	1.42	24.55	5.07	2.09	0.24
22.00	4.96	2.00	1.41	24.60	5.07	2.09	0.18
22.05	4.96	2.01	1.41	24.65	5.07	2.09	0.14
22.10	4.96	2.01	1.40	24.70	5.07	2.09	0.10
22.15	4.96	2.01	1.40	24.75	5.07	2.09	0.08
22.20	4.97	2.01	1.39	24.80	5.07	2.09	0.06
22.25	4.97	2.01	1.39	24.85	5.07	2.09	0.04
22.30	4.97	2.02	1.38	24.90	5.07	2.09	0.03
22.35	4.98	2.02	1.38	24.95	5.07	2.09	0.02
22.40	4.98	2.02	1.37	25.00	5.07	2.09	0.02
22.45	4.98	2.02	1.37	25.05	5.07	2.09	0.01
22.50	4.99	2.03	1.36	25.10	5.07	2.09	0.01
22.55	4.99	2.03	1.36	25.15	5.07	2.09	0.01
22.60	4.99	2.03	1.35	25.20	5.07	2.09	0.00
22.65	4.99	2.03	1.35	25.25	5.07	2.09	0.00
22.70	5.00	2.03	1.34	25.30	5.07	2.09	0.00
22.75	5.00	2.04	1.34	25.35	5.07	2.09	0.00
22.80	5.00	2.04	1.33	25.40	5.07	2.09	0.00
22.85	5.01	2.04	1.33	25.45	5.07	2.09	0.00
22.90	5.01	2.04	1.32	25.50	5.07	2.09	0.00
22.95	5.01	2.05	1.31	25.55	5.07	2.09	0.00
23.00	5.01	2.05	1.31	25.60	5.07	2.09	0.00
23.05	5.02	2.05	1.30	25.65	5.07	2.09	0.00
23.10	5.02	2.05	1.30	25.70	5.07	2.09	0.00
23.15	5.02	2.05	1.29	25.75	5.07	2.09	0.00
23.20	5.03	2.06	1.29	25.80	5.07	2.09	0.00
23.25	5.03	2.06	1.28	25.85	5.07	2.09	0.00
23.30	5.03	2.06	1.28	25.90	5.07	2.09	0.00
23.35	5.03	2.06	1.27	25.95	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.09	0.00	28.60	5.07	2.09	0.00
26.05	5.07	2.09	0.00	28.65	5.07	2.09	0.00
26.10	5.07	2.09	0.00	28.70	5.07	2.09	0.00
26.15	5.07	2.09	0.00	28.75	5.07	2.09	0.00
26.20	5.07	2.09	0.00	28.80	5.07	2.09	0.00
26.25	5.07	2.09	0.00	28.85	5.07	2.09	0.00
26.30	5.07	2.09	0.00	28.90	5.07	2.09	0.00
26.35	5.07	2.09	0.00	28.95	5.07	2.09	0.00
26.40	5.07	2.09	0.00	29.00	5.07	2.09	0.00
26.45	5.07	2.09	0.00	29.05	5.07	2.09	0.00
26.50	5.07	2.09	0.00	29.10	5.07	2.09	0.00
26.55	5.07	2.09	0.00	29.15	5.07	2.09	0.00
26.60	5.07	2.09	0.00	29.20	5.07	2.09	0.00
26.65	5.07	2.09	0.00	29.25	5.07	2.09	0.00
26.70	5.07	2.09	0.00	29.30	5.07	2.09	0.00
26.75	5.07	2.09	0.00	29.35	5.07	2.09	0.00
26.80	5.07	2.09	0.00	29.40	5.07	2.09	0.00
26.85	5.07	2.09	0.00	29.45	5.07	2.09	0.00
26.90	5.07	2.09	0.00	29.50	5.07	2.09	0.00
26.95	5.07	2.09	0.00	29.55	5.07	2.09	0.00
27.00	5.07	2.09	0.00	29.60	5.07	2.09	0.00
27.05	5.07	2.09	0.00	29.65	5.07	2.09	0.00
27.10	5.07	2.09	0.00	29.70	5.07	2.09	0.00
27.15	5.07	2.09	0.00	29.75	5.07	2.09	0.00
27.20	5.07	2.09	0.00	29.80	5.07	2.09	0.00
27.25	5.07	2.09	0.00	29.85	5.07	2.09	0.00
27.30	5.07	2.09	0.00	29.90	5.07	2.09	0.00
27.35	5.07	2.09	0.00	29.95	5.07	2.09	0.00
27.40	5.07	2.09	0.00	30.00	5.07	2.09	0.00
27.45	5.07	2.09	0.00	30.05	5.07	2.09	0.00
27.50	5.07	2.09	0.00	30.10	5.07	2.09	0.00
27.55	5.07	2.09	0.00	30.15	5.07	2.09	0.00
27.60	5.07	2.09	0.00	30.20	5.07	2.09	0.00
27.65	5.07	2.09	0.00	30.25	5.07	2.09	0.00
27.70	5.07	2.09	0.00	30.30	5.07	2.09	0.00
27.75	5.07	2.09	0.00	30.35	5.07	2.09	0.00
27.80	5.07	2.09	0.00	30.40	5.07	2.09	0.00
27.85	5.07	2.09	0.00	30.45	5.07	2.09	0.00
27.90	5.07	2.09	0.00	30.50	5.07	2.09	0.00
27.95	5.07	2.09	0.00	30.55	5.07	2.09	0.00
28.00	5.07	2.09	0.00	30.60	5.07	2.09	0.00
28.05	5.07	2.09	0.00	30.65	5.07	2.09	0.00
28.10	5.07	2.09	0.00	30.70	5.07	2.09	0.00
28.15	5.07	2.09	0.00	30.75	5.07	2.09	0.00
28.20	5.07	2.09	0.00	30.80	5.07	2.09	0.00
28.25	5.07	2.09	0.00	30.85	5.07	2.09	0.00
28.30	5.07	2.09	0.00	30.90	5.07	2.09	0.00
28.35	5.07	2.09	0.00	30.95	5.07	2.09	0.00
28.40	5.07	2.09	0.00	31.00	5.07	2.09	0.00
28.45	5.07	2.09	0.00	31.05	5.07	2.09	0.00
28.50	5.07	2.09	0.00	31.10	5.07	2.09	0.00
28.55	5.07	2.09	0.00	31.15	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.09	0.00	33.80	5.07	2.09	0.00
31.25	5.07	2.09	0.00	33.85	5.07	2.09	0.00
31.30	5.07	2.09	0.00	33.90	5.07	2.09	0.00
31.35	5.07	2.09	0.00	33.95	5.07	2.09	0.00
31.40	5.07	2.09	0.00	34.00	5.07	2.09	0.00
31.45	5.07	2.09	0.00	34.05	5.07	2.09	0.00
31.50	5.07	2.09	0.00	34.10	5.07	2.09	0.00
31.55	5.07	2.09	0.00	34.15	5.07	2.09	0.00
31.60	5.07	2.09	0.00	34.20	5.07	2.09	0.00
31.65	5.07	2.09	0.00	34.25	5.07	2.09	0.00
31.70	5.07	2.09	0.00	34.30	5.07	2.09	0.00
31.75	5.07	2.09	0.00	34.35	5.07	2.09	0.00
31.80	5.07	2.09	0.00	34.40	5.07	2.09	0.00
31.85	5.07	2.09	0.00	34.45	5.07	2.09	0.00
31.90	5.07	2.09	0.00	34.50	5.07	2.09	0.00
31.95	5.07	2.09	0.00	34.55	5.07	2.09	0.00
32.00	5.07	2.09	0.00	34.60	5.07	2.09	0.00
32.05	5.07	2.09	0.00	34.65	5.07	2.09	0.00
32.10	5.07	2.09	0.00	34.70	5.07	2.09	0.00
32.15	5.07	2.09	0.00	34.75	5.07	2.09	0.00
32.20	5.07	2.09	0.00	34.80	5.07	2.09	0.00
32.25	5.07	2.09	0.00	34.85	5.07	2.09	0.00
32.30	5.07	2.09	0.00	34.90	5.07	2.09	0.00
32.35	5.07	2.09	0.00	34.95	5.07	2.09	0.00
32.40	5.07	2.09	0.00	35.00	5.07	2.09	0.00
32.45	5.07	2.09	0.00	35.05	5.07	2.09	0.00
32.50	5.07	2.09	0.00	35.10	5.07	2.09	0.00
32.55	5.07	2.09	0.00	35.15	5.07	2.09	0.00
32.60	5.07	2.09	0.00	35.20	5.07	2.09	0.00
32.65	5.07	2.09	0.00	35.25	5.07	2.09	0.00
32.70	5.07	2.09	0.00	35.30	5.07	2.09	0.00
32.75	5.07	2.09	0.00	35.35	5.07	2.09	0.00
32.80	5.07	2.09	0.00	35.40	5.07	2.09	0.00
32.85	5.07	2.09	0.00	35.45	5.07	2.09	0.00
32.90	5.07	2.09	0.00	35.50	5.07	2.09	0.00
32.95	5.07	2.09	0.00	35.55	5.07	2.09	0.00
33.00	5.07	2.09	0.00	35.60	5.07	2.09	0.00
33.05	5.07	2.09	0.00	35.65	5.07	2.09	0.00
33.10	5.07	2.09	0.00	35.70	5.07	2.09	0.00
33.15	5.07	2.09	0.00	35.75	5.07	2.09	0.00
33.20	5.07	2.09	0.00	35.80	5.07	2.09	0.00
33.25	5.07	2.09	0.00	35.85	5.07	2.09	0.00
33.30	5.07	2.09	0.00	35.90	5.07	2.09	0.00
33.35	5.07	2.09	0.00	35.95	5.07	2.09	0.00
33.40	5.07	2.09	0.00	36.00	5.07	2.09	0.00
33.45	5.07	2.09	0.00	36.05	5.07	2.09	0.00
33.50	5.07	2.09	0.00	36.10	5.07	2.09	0.00
33.55	5.07	2.09	0.00	36.15	5.07	2.09	0.00
33.60	5.07	2.09	0.00	36.20	5.07	2.09	0.00
33.65	5.07	2.09	0.00	36.25	5.07	2.09	0.00
33.70	5.07	2.09	0.00	36.30	5.07	2.09	0.00
33.75	5.07	2.09	0.00	36.35	5.07	2.09	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

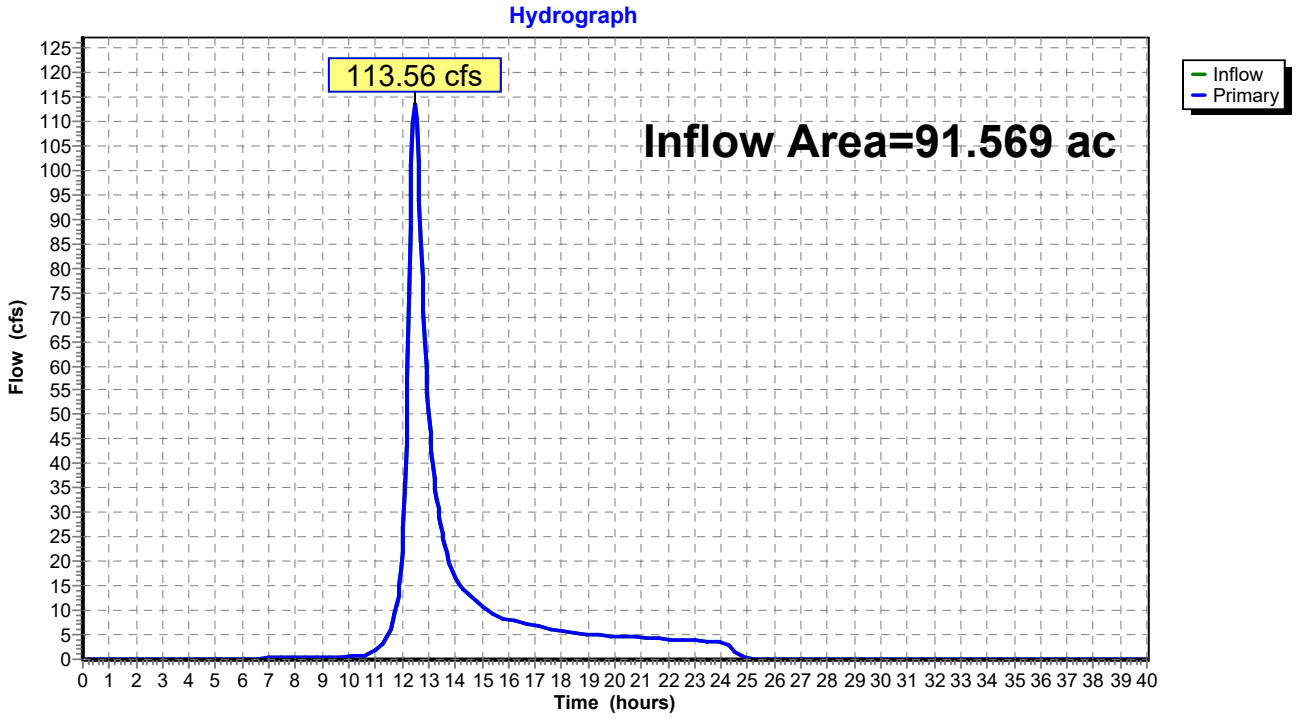
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.09	0.00
36.45	5.07	2.09	0.00
36.50	5.07	2.09	0.00
36.55	5.07	2.09	0.00
36.60	5.07	2.09	0.00
36.65	5.07	2.09	0.00
36.70	5.07	2.09	0.00
36.75	5.07	2.09	0.00
36.80	5.07	2.09	0.00
36.85	5.07	2.09	0.00
36.90	5.07	2.09	0.00
36.95	5.07	2.09	0.00
37.00	5.07	2.09	0.00
37.05	5.07	2.09	0.00
37.10	5.07	2.09	0.00
37.15	5.07	2.09	0.00
37.20	5.07	2.09	0.00
37.25	5.07	2.09	0.00
37.30	5.07	2.09	0.00
37.35	5.07	2.09	0.00
37.40	5.07	2.09	0.00
37.45	5.07	2.09	0.00
37.50	5.07	2.09	0.00
37.55	5.07	2.09	0.00
37.60	5.07	2.09	0.00
37.65	5.07	2.09	0.00
37.70	5.07	2.09	0.00
37.75	5.07	2.09	0.00
37.80	5.07	2.09	0.00
37.85	5.07	2.09	0.00
37.90	5.07	2.09	0.00
37.95	5.07	2.09	0.00
38.00	5.07	2.09	0.00
38.05	5.07	2.09	0.00
38.10	5.07	2.09	0.00
38.15	5.07	2.09	0.00
38.20	5.07	2.09	0.00
38.25	5.07	2.09	0.00
38.30	5.07	2.09	0.00
38.35	5.07	2.09	0.00
38.40	5.07	2.09	0.00
38.45	5.07	2.09	0.00
38.50	5.07	2.09	0.00
38.55	5.07	2.09	0.00
38.60	5.07	2.09	0.00
38.65	5.07	2.09	0.00
38.70	5.07	2.09	0.00
38.75	5.07	2.09	0.00
38.80	5.07	2.09	0.00
38.85	5.07	2.09	0.00
38.90	5.07	2.09	0.00
38.95	5.07	2.09	0.00
39.00	5.07	2.09	0.00
39.05	5.07	2.09	0.00
39.10	5.07	2.09	0.00
39.15	5.07	2.09	0.00
39.20	5.07	2.09	0.00
39.25	5.07	2.09	0.00
39.30	5.07	2.09	0.00
39.35	5.07	2.09	0.00
39.40	5.07	2.09	0.00
39.45	5.07	2.09	0.00
39.50	5.07	2.09	0.00
39.55	5.07	2.09	0.00
39.60	5.07	2.09	0.00
39.65	5.07	2.09	0.00
39.70	5.07	2.09	0.00
39.75	5.07	2.09	0.00
39.80	5.07	2.09	0.00
39.85	5.07	2.09	0.00
39.90	5.07	2.09	0.00
39.95	5.07	2.09	0.00
40.00	5.07	2.09	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 1.92" for Current 10 yr event
Inflow = 113.56 cfs @ 12.47 hrs, Volume= 14.680 af
Primary = 113.56 cfs @ 12.47 hrs, Volume= 14.680 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.01	0.00	0.01
0.90	0.00	0.00	0.00	3.50	0.01	0.00	0.01
0.95	0.00	0.00	0.00	3.55	0.01	0.00	0.01
1.00	0.00	0.00	0.00	3.60	0.01	0.00	0.01
1.05	0.00	0.00	0.00	3.65	0.01	0.00	0.01
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.04	0.00	0.04
1.60	0.00	0.00	0.00	4.20	0.04	0.00	0.04
1.65	0.00	0.00	0.00	4.25	0.04	0.00	0.04
1.70	0.00	0.00	0.00	4.30	0.04	0.00	0.04
1.75	0.00	0.00	0.00	4.35	0.05	0.00	0.05
1.80	0.00	0.00	0.00	4.40	0.05	0.00	0.05
1.85	0.00	0.00	0.00	4.45	0.05	0.00	0.05
1.90	0.00	0.00	0.00	4.50	0.05	0.00	0.05
1.95	0.00	0.00	0.00	4.55	0.06	0.00	0.06
2.00	0.00	0.00	0.00	4.60	0.06	0.00	0.06
2.05	0.00	0.00	0.00	4.65	0.06	0.00	0.06
2.10	0.00	0.00	0.00	4.70	0.06	0.00	0.06
2.15	0.00	0.00	0.00	4.75	0.07	0.00	0.07
2.20	0.00	0.00	0.00	4.80	0.07	0.00	0.07
2.25	0.00	0.00	0.00	4.85	0.07	0.00	0.07
2.30	0.00	0.00	0.00	4.90	0.07	0.00	0.07
2.35	0.00	0.00	0.00	4.95	0.08	0.00	0.08
2.40	0.00	0.00	0.00	5.00	0.08	0.00	0.08
2.45	0.00	0.00	0.00	5.05	0.08	0.00	0.08
2.50	0.00	0.00	0.00	5.10	0.08	0.00	0.08
2.55	0.00	0.00	0.00	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.27	0.00	0.27
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.28	0.00	0.28
5.35	0.10	0.00	0.10	7.95	0.28	0.00	0.28
5.40	0.10	0.00	0.10	8.00	0.29	0.00	0.29
5.45	0.10	0.00	0.10	8.05	0.29	0.00	0.29
5.50	0.10	0.00	0.10	8.10	0.30	0.00	0.30
5.55	0.11	0.00	0.11	8.15	0.30	0.00	0.30
5.60	0.11	0.00	0.11	8.20	0.31	0.00	0.31
5.65	0.11	0.00	0.11	8.25	0.31	0.00	0.31
5.70	0.11	0.00	0.11	8.30	0.32	0.00	0.32
5.75	0.12	0.00	0.12	8.35	0.32	0.00	0.32
5.80	0.12	0.00	0.12	8.40	0.33	0.00	0.33
5.85	0.12	0.00	0.12	8.45	0.33	0.00	0.33
5.90	0.12	0.00	0.12	8.50	0.34	0.00	0.34
5.95	0.12	0.00	0.12	8.55	0.34	0.00	0.34
6.00	0.13	0.00	0.13	8.60	0.35	0.00	0.35
6.05	0.13	0.00	0.13	8.65	0.35	0.00	0.35
6.10	0.13	0.00	0.13	8.70	0.36	0.00	0.36
6.15	0.13	0.00	0.13	8.75	0.37	0.00	0.37
6.20	0.14	0.00	0.14	8.80	0.37	0.00	0.37
6.25	0.14	0.00	0.14	8.85	0.38	0.00	0.38
6.30	0.14	0.00	0.14	8.90	0.38	0.00	0.38
6.35	0.15	0.00	0.15	8.95	0.39	0.00	0.39
6.40	0.15	0.00	0.15	9.00	0.39	0.00	0.39
6.45	0.15	0.00	0.15	9.05	0.40	0.00	0.40
6.50	0.15	0.00	0.15	9.10	0.40	0.00	0.40
6.55	0.16	0.00	0.16	9.15	0.41	0.00	0.41
6.60	0.16	0.00	0.16	9.20	0.42	0.00	0.42
6.65	0.17	0.00	0.17	9.25	0.42	0.00	0.42
6.70	0.17	0.00	0.17	9.30	0.43	0.00	0.43
6.75	0.17	0.00	0.17	9.35	0.44	0.00	0.44
6.80	0.18	0.00	0.18	9.40	0.45	0.00	0.45
6.85	0.18	0.00	0.18	9.45	0.46	0.00	0.46
6.90	0.19	0.00	0.19	9.50	0.47	0.00	0.47
6.95	0.19	0.00	0.19	9.55	0.48	0.00	0.48
7.00	0.19	0.00	0.19	9.60	0.50	0.00	0.50
7.05	0.20	0.00	0.20	9.65	0.51	0.00	0.51
7.10	0.20	0.00	0.20	9.70	0.53	0.00	0.53
7.15	0.21	0.00	0.21	9.75	0.54	0.00	0.54
7.20	0.21	0.00	0.21	9.80	0.56	0.00	0.56
7.25	0.22	0.00	0.22	9.85	0.57	0.00	0.57
7.30	0.22	0.00	0.22	9.90	0.59	0.00	0.59
7.35	0.22	0.00	0.22	9.95	0.60	0.00	0.60
7.40	0.23	0.00	0.23	10.00	0.62	0.00	0.62
7.45	0.23	0.00	0.23	10.05	0.63	0.00	0.63
7.50	0.24	0.00	0.24	10.10	0.65	0.00	0.65
7.55	0.24	0.00	0.24	10.15	0.67	0.00	0.67
7.60	0.25	0.00	0.25	10.20	0.68	0.00	0.68
7.65	0.25	0.00	0.25	10.25	0.70	0.00	0.70
7.70	0.26	0.00	0.26	10.30	0.72	0.00	0.72
7.75	0.26	0.00	0.26	10.35	0.73	0.00	0.73

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.75	0.00	0.75	13.00	50.00	0.00	50.00
10.45	0.77	0.00	0.77	13.05	46.07	0.00	46.07
10.50	0.79	0.00	0.79	13.10	42.65	0.00	42.65
10.55	0.81	0.00	0.81	13.15	39.68	0.00	39.68
10.60	0.84	0.00	0.84	13.20	37.05	0.00	37.05
10.65	0.87	0.00	0.87	13.25	34.69	0.00	34.69
10.70	0.92	0.00	0.92	13.30	32.57	0.00	32.57
10.75	0.98	0.00	0.98	13.35	30.65	0.00	30.65
10.80	1.06	0.00	1.06	13.40	28.89	0.00	28.89
10.85	1.16	0.00	1.16	13.45	27.30	0.00	27.30
10.90	1.28	0.00	1.28	13.50	25.88	0.00	25.88
10.95	1.43	0.00	1.43	13.55	24.57	0.00	24.57
11.00	1.60	0.00	1.60	13.60	23.36	0.00	23.36
11.05	1.80	0.00	1.80	13.65	22.23	0.00	22.23
11.10	2.03	0.00	2.03	13.70	21.18	0.00	21.18
11.15	2.28	0.00	2.28	13.75	20.16	0.00	20.16
11.20	2.57	0.00	2.57	13.80	19.23	0.00	19.23
11.25	2.89	0.00	2.89	13.85	18.39	0.00	18.39
11.30	3.25	0.00	3.25	13.90	17.63	0.00	17.63
11.35	3.66	0.00	3.66	13.95	16.96	0.00	16.96
11.40	4.11	0.00	4.11	14.00	16.39	0.00	16.39
11.45	4.62	0.00	4.62	14.05	15.89	0.00	15.89
11.50	5.19	0.00	5.19	14.10	15.44	0.00	15.44
11.55	5.81	0.00	5.81	14.15	15.05	0.00	15.05
11.60	6.51	0.00	6.51	14.20	14.71	0.00	14.71
11.65	7.34	0.00	7.34	14.25	14.40	0.00	14.40
11.70	8.33	0.00	8.33	14.30	14.10	0.00	14.10
11.75	9.55	0.00	9.55	14.35	13.83	0.00	13.83
11.80	11.06	0.00	11.06	14.40	13.58	0.00	13.58
11.85	12.90	0.00	12.90	14.45	13.33	0.00	13.33
11.90	15.16	0.00	15.16	14.50	13.09	0.00	13.09
11.95	18.00	0.00	18.00	14.55	12.86	0.00	12.86
12.00	21.72	0.00	21.72	14.60	12.63	0.00	12.63
12.05	26.83	0.00	26.83	14.65	12.41	0.00	12.41
12.10	34.03	0.00	34.03	14.70	12.19	0.00	12.19
12.15	44.15	0.00	44.15	14.75	11.97	0.00	11.97
12.20	57.34	0.00	57.34	14.80	11.75	0.00	11.75
12.25	72.59	0.00	72.59	14.85	11.54	0.00	11.54
12.30	88.03	0.00	88.03	14.90	11.33	0.00	11.33
12.35	101.17	0.00	101.17	14.95	11.11	0.00	11.11
12.40	109.60	0.00	109.60	15.00	10.89	0.00	10.89
12.45	**113.31**	0.00	**113.31**	15.05	10.68	0.00	10.68
12.50	112.59	0.00	112.59	15.10	10.47	0.00	10.47
12.55	108.32	0.00	108.32	15.15	10.25	0.00	10.25
12.60	101.69	0.00	101.69	15.20	10.04	0.00	10.04
12.65	93.76	0.00	93.76	15.25	9.83	0.00	9.83
12.70	85.55	0.00	85.55	15.30	9.62	0.00	9.62
12.75	78.10	0.00	78.10	15.35	9.43	0.00	9.43
12.80	71.33	0.00	71.33	15.40	9.25	0.00	9.25
12.85	65.13	0.00	65.13	15.45	9.09	0.00	9.09
12.90	59.47	0.00	59.47	15.50	8.94	0.00	8.94
12.95	54.42	0.00	54.42	15.55	8.82	0.00	8.82

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.71	0.00	8.71	18.20	5.52	0.00	5.52
15.65	8.61	0.00	8.61	18.25	5.46	0.00	5.46
15.70	8.52	0.00	8.52	18.30	5.41	0.00	5.41
15.75	8.44	0.00	8.44	18.35	5.36	0.00	5.36
15.80	8.36	0.00	8.36	18.40	5.31	0.00	5.31
15.85	8.29	0.00	8.29	18.45	5.26	0.00	5.26
15.90	8.22	0.00	8.22	18.50	5.22	0.00	5.22
15.95	8.15	0.00	8.15	18.55	5.19	0.00	5.19
16.00	8.09	0.00	8.09	18.60	5.16	0.00	5.16
16.05	8.02	0.00	8.02	18.65	5.13	0.00	5.13
16.10	7.97	0.00	7.97	18.70	5.11	0.00	5.11
16.15	7.91	0.00	7.91	18.75	5.08	0.00	5.08
16.20	7.85	0.00	7.85	18.80	5.06	0.00	5.06
16.25	7.79	0.00	7.79	18.85	5.05	0.00	5.05
16.30	7.73	0.00	7.73	18.90	5.03	0.00	5.03
16.35	7.68	0.00	7.68	18.95	5.01	0.00	5.01
16.40	7.62	0.00	7.62	19.00	4.99	0.00	4.99
16.45	7.57	0.00	7.57	19.05	4.98	0.00	4.98
16.50	7.51	0.00	7.51	19.10	4.96	0.00	4.96
16.55	7.45	0.00	7.45	19.15	4.95	0.00	4.95
16.60	7.39	0.00	7.39	19.20	4.93	0.00	4.93
16.65	7.34	0.00	7.34	19.25	4.92	0.00	4.92
16.70	7.28	0.00	7.28	19.30	4.90	0.00	4.90
16.75	7.22	0.00	7.22	19.35	4.89	0.00	4.89
16.80	7.17	0.00	7.17	19.40	4.88	0.00	4.88
16.85	7.11	0.00	7.11	19.45	4.86	0.00	4.86
16.90	7.05	0.00	7.05	19.50	4.85	0.00	4.85
16.95	6.99	0.00	6.99	19.55	4.83	0.00	4.83
17.00	6.94	0.00	6.94	19.60	4.82	0.00	4.82
17.05	6.88	0.00	6.88	19.65	4.80	0.00	4.80
17.10	6.82	0.00	6.82	19.70	4.79	0.00	4.79
17.15	6.76	0.00	6.76	19.75	4.78	0.00	4.78
17.20	6.70	0.00	6.70	19.80	4.76	0.00	4.76
17.25	6.65	0.00	6.65	19.85	4.75	0.00	4.75
17.30	6.59	0.00	6.59	19.90	4.74	0.00	4.74
17.35	6.53	0.00	6.53	19.95	4.72	0.00	4.72
17.40	6.47	0.00	6.47	20.00	4.71	0.00	4.71
17.45	6.42	0.00	6.42	20.05	4.70	0.00	4.70
17.50	6.36	0.00	6.36	20.10	4.68	0.00	4.68
17.55	6.29	0.00	6.29	20.15	4.67	0.00	4.67
17.60	6.24	0.00	6.24	20.20	4.65	0.00	4.65
17.65	6.18	0.00	6.18	20.25	4.64	0.00	4.64
17.70	6.12	0.00	6.12	20.30	4.62	0.00	4.62
17.75	6.06	0.00	6.06	20.35	4.61	0.00	4.61
17.80	6.00	0.00	6.00	20.40	4.59	0.00	4.59
17.85	5.94	0.00	5.94	20.45	4.58	0.00	4.58
17.90	5.88	0.00	5.88	20.50	4.56	0.00	4.56
17.95	5.82	0.00	5.82	20.55	4.55	0.00	4.55
18.00	5.76	0.00	5.76	20.60	4.53	0.00	4.53
18.05	5.70	0.00	5.70	20.65	4.52	0.00	4.52
18.10	5.64	0.00	5.64	20.70	4.50	0.00	4.50
18.15	5.58	0.00	5.58	20.75	4.49	0.00	4.49

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.48	0.00	4.48	23.40	3.70	0.00	3.70
20.85	4.46	0.00	4.46	23.45	3.68	0.00	3.68
20.90	4.45	0.00	4.45	23.50	3.67	0.00	3.67
20.95	4.44	0.00	4.44	23.55	3.65	0.00	3.65
21.00	4.42	0.00	4.42	23.60	3.64	0.00	3.64
21.05	4.41	0.00	4.41	23.65	3.62	0.00	3.62
21.10	4.39	0.00	4.39	23.70	3.61	0.00	3.61
21.15	4.37	0.00	4.37	23.75	3.59	0.00	3.59
21.20	4.36	0.00	4.36	23.80	3.58	0.00	3.58
21.25	4.34	0.00	4.34	23.85	3.56	0.00	3.56
21.30	4.33	0.00	4.33	23.90	3.55	0.00	3.55
21.35	4.31	0.00	4.31	23.95	3.53	0.00	3.53
21.40	4.30	0.00	4.30	24.00	3.52	0.00	3.52
21.45	4.29	0.00	4.29	24.05	3.52	0.00	3.52
21.50	4.27	0.00	4.27	24.10	3.50	0.00	3.50
21.55	4.26	0.00	4.26	24.15	3.47	0.00	3.47
21.60	4.25	0.00	4.25	24.20	3.37	0.00	3.37
21.65	4.23	0.00	4.23	24.25	3.20	0.00	3.20
21.70	4.21	0.00	4.21	24.30	2.93	0.00	2.93
21.75	4.20	0.00	4.20	24.35	2.60	0.00	2.60
21.80	4.18	0.00	4.18	24.40	2.22	0.00	2.22
21.85	4.17	0.00	4.17	24.45	1.85	0.00	1.85
21.90	4.15	0.00	4.15	24.50	1.50	0.00	1.50
21.95	4.14	0.00	4.14	24.55	1.20	0.00	1.20
22.00	4.12	0.00	4.12	24.60	0.94	0.00	0.94
22.05	4.11	0.00	4.11	24.65	0.74	0.00	0.74
22.10	4.10	0.00	4.10	24.70	0.59	0.00	0.59
22.15	4.08	0.00	4.08	24.75	0.47	0.00	0.47
22.20	4.06	0.00	4.06	24.80	0.37	0.00	0.37
22.25	4.05	0.00	4.05	24.85	0.29	0.00	0.29
22.30	4.04	0.00	4.04	24.90	0.23	0.00	0.23
22.35	4.02	0.00	4.02	24.95	0.18	0.00	0.18
22.40	4.00	0.00	4.00	25.00	0.14	0.00	0.14
22.45	3.99	0.00	3.99	25.05	0.11	0.00	0.11
22.50	3.98	0.00	3.98	25.10	0.09	0.00	0.09
22.55	3.96	0.00	3.96	25.15	0.07	0.00	0.07
22.60	3.94	0.00	3.94	25.20	0.05	0.00	0.05
22.65	3.93	0.00	3.93	25.25	0.04	0.00	0.04
22.70	3.91	0.00	3.91	25.30	0.03	0.00	0.03
22.75	3.90	0.00	3.90	25.35	0.02	0.00	0.02
22.80	3.88	0.00	3.88	25.40	0.02	0.00	0.02
22.85	3.87	0.00	3.87	25.45	0.01	0.00	0.01
22.90	3.85	0.00	3.85	25.50	0.01	0.00	0.01
22.95	3.84	0.00	3.84	25.55	0.01	0.00	0.01
23.00	3.82	0.00	3.82	25.60	0.00	0.00	0.00
23.05	3.81	0.00	3.81	25.65	0.00	0.00	0.00
23.10	3.79	0.00	3.79	25.70	0.00	0.00	0.00
23.15	3.78	0.00	3.78	25.75	0.00	0.00	0.00
23.20	3.76	0.00	3.76	25.80	0.00	0.00	0.00
23.25	3.75	0.00	3.75	25.85	0.00	0.00	0.00
23.30	3.73	0.00	3.73	25.90	0.00	0.00	0.00
23.35	3.72	0.00	3.72	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

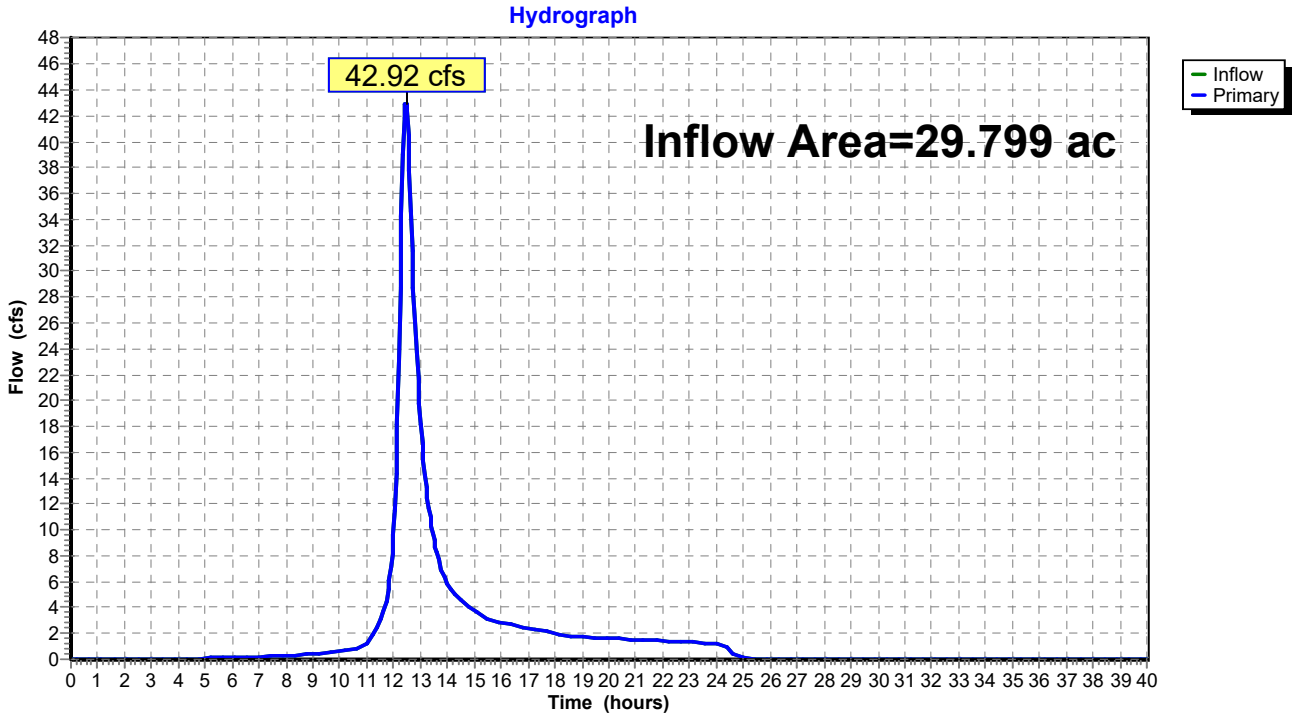
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.23" for Current 10 yr event
Inflow = 42.92 cfs @ 12.46 hrs, Volume= 5.541 af
Primary = 42.92 cfs @ 12.46 hrs, Volume= 5.541 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.01	0.00	0.01
0.90	0.00	0.00	0.00	3.50	0.01	0.00	0.01
0.95	0.00	0.00	0.00	3.55	0.01	0.00	0.01
1.00	0.00	0.00	0.00	3.60	0.01	0.00	0.01
1.05	0.00	0.00	0.00	3.65	0.01	0.00	0.01
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.04	0.00	0.04
1.60	0.00	0.00	0.00	4.20	0.04	0.00	0.04
1.65	0.00	0.00	0.00	4.25	0.04	0.00	0.04
1.70	0.00	0.00	0.00	4.30	0.04	0.00	0.04
1.75	0.00	0.00	0.00	4.35	0.05	0.00	0.05
1.80	0.00	0.00	0.00	4.40	0.05	0.00	0.05
1.85	0.00	0.00	0.00	4.45	0.05	0.00	0.05
1.90	0.00	0.00	0.00	4.50	0.05	0.00	0.05
1.95	0.00	0.00	0.00	4.55	0.06	0.00	0.06
2.00	0.00	0.00	0.00	4.60	0.06	0.00	0.06
2.05	0.00	0.00	0.00	4.65	0.06	0.00	0.06
2.10	0.00	0.00	0.00	4.70	0.06	0.00	0.06
2.15	0.00	0.00	0.00	4.75	0.07	0.00	0.07
2.20	0.00	0.00	0.00	4.80	0.07	0.00	0.07
2.25	0.00	0.00	0.00	4.85	0.07	0.00	0.07
2.30	0.00	0.00	0.00	4.90	0.07	0.00	0.07
2.35	0.00	0.00	0.00	4.95	0.08	0.00	0.08
2.40	0.00	0.00	0.00	5.00	0.08	0.00	0.08
2.45	0.00	0.00	0.00	5.05	0.08	0.00	0.08
2.50	0.00	0.00	0.00	5.10	0.08	0.00	0.08
2.55	0.00	0.00	0.00	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.27	0.00	0.27
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.28	0.00	0.28
5.35	0.10	0.00	0.10	7.95	0.28	0.00	0.28
5.40	0.10	0.00	0.10	8.00	0.29	0.00	0.29
5.45	0.10	0.00	0.10	8.05	0.29	0.00	0.29
5.50	0.10	0.00	0.10	8.10	0.30	0.00	0.30
5.55	0.11	0.00	0.11	8.15	0.30	0.00	0.30
5.60	0.11	0.00	0.11	8.20	0.31	0.00	0.31
5.65	0.11	0.00	0.11	8.25	0.31	0.00	0.31
5.70	0.11	0.00	0.11	8.30	0.32	0.00	0.32
5.75	0.12	0.00	0.12	8.35	0.32	0.00	0.32
5.80	0.12	0.00	0.12	8.40	0.33	0.00	0.33
5.85	0.12	0.00	0.12	8.45	0.33	0.00	0.33
5.90	0.12	0.00	0.12	8.50	0.34	0.00	0.34
5.95	0.12	0.00	0.12	8.55	0.34	0.00	0.34
6.00	0.13	0.00	0.13	8.60	0.35	0.00	0.35
6.05	0.13	0.00	0.13	8.65	0.35	0.00	0.35
6.10	0.13	0.00	0.13	8.70	0.36	0.00	0.36
6.15	0.13	0.00	0.13	8.75	0.37	0.00	0.37
6.20	0.14	0.00	0.14	8.80	0.37	0.00	0.37
6.25	0.14	0.00	0.14	8.85	0.38	0.00	0.38
6.30	0.14	0.00	0.14	8.90	0.38	0.00	0.38
6.35	0.15	0.00	0.15	8.95	0.39	0.00	0.39
6.40	0.15	0.00	0.15	9.00	0.39	0.00	0.39
6.45	0.15	0.00	0.15	9.05	0.40	0.00	0.40
6.50	0.15	0.00	0.15	9.10	0.40	0.00	0.40
6.55	0.16	0.00	0.16	9.15	0.41	0.00	0.41
6.60	0.16	0.00	0.16	9.20	0.42	0.00	0.42
6.65	0.17	0.00	0.17	9.25	0.42	0.00	0.42
6.70	0.17	0.00	0.17	9.30	0.43	0.00	0.43
6.75	0.17	0.00	0.17	9.35	0.44	0.00	0.44
6.80	0.18	0.00	0.18	9.40	0.45	0.00	0.45
6.85	0.18	0.00	0.18	9.45	0.46	0.00	0.46
6.90	0.19	0.00	0.19	9.50	0.47	0.00	0.47
6.95	0.19	0.00	0.19	9.55	0.48	0.00	0.48
7.00	0.19	0.00	0.19	9.60	0.50	0.00	0.50
7.05	0.20	0.00	0.20	9.65	0.51	0.00	0.51
7.10	0.20	0.00	0.20	9.70	0.53	0.00	0.53
7.15	0.21	0.00	0.21	9.75	0.54	0.00	0.54
7.20	0.21	0.00	0.21	9.80	0.56	0.00	0.56
7.25	0.22	0.00	0.22	9.85	0.57	0.00	0.57
7.30	0.22	0.00	0.22	9.90	0.59	0.00	0.59
7.35	0.22	0.00	0.22	9.95	0.60	0.00	0.60
7.40	0.23	0.00	0.23	10.00	0.62	0.00	0.62
7.45	0.23	0.00	0.23	10.05	0.63	0.00	0.63
7.50	0.24	0.00	0.24	10.10	0.65	0.00	0.65
7.55	0.24	0.00	0.24	10.15	0.67	0.00	0.67
7.60	0.25	0.00	0.25	10.20	0.68	0.00	0.68
7.65	0.25	0.00	0.25	10.25	0.70	0.00	0.70
7.70	0.26	0.00	0.26	10.30	0.72	0.00	0.72
7.75	0.26	0.00	0.26	10.35	0.73	0.00	0.73

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.75	0.00	0.75	13.00	18.08	0.00	18.08
10.45	0.77	0.00	0.77	13.05	16.62	0.00	16.62
10.50	0.79	0.00	0.79	13.10	15.34	0.00	15.34
10.55	0.81	0.00	0.81	13.15	14.24	0.00	14.24
10.60	0.84	0.00	0.84	13.20	13.27	0.00	13.27
10.65	0.87	0.00	0.87	13.25	12.40	0.00	12.40
10.70	0.90	0.00	0.90	13.30	11.62	0.00	11.62
10.75	0.95	0.00	0.95	13.35	10.92	0.00	10.92
10.80	1.00	0.00	1.00	13.40	10.28	0.00	10.28
10.85	1.06	0.00	1.06	13.45	9.70	0.00	9.70
10.90	1.13	0.00	1.13	13.50	9.18	0.00	9.18
10.95	1.22	0.00	1.22	13.55	8.71	0.00	8.71
11.00	1.31	0.00	1.31	13.60	8.27	0.00	8.27
11.05	1.41	0.00	1.41	13.65	7.86	0.00	7.86
11.10	1.52	0.00	1.52	13.70	7.48	0.00	7.48
11.15	1.63	0.00	1.63	13.75	7.12	0.00	7.12
11.20	1.77	0.00	1.77	13.80	6.78	0.00	6.78
11.25	1.91	0.00	1.91	13.85	6.48	0.00	6.48
11.30	2.08	0.00	2.08	13.90	6.21	0.00	6.21
11.35	2.26	0.00	2.26	13.95	5.97	0.00	5.97
11.40	2.46	0.00	2.46	14.00	5.77	0.00	5.77
11.45	2.68	0.00	2.68	14.05	5.59	0.00	5.59
11.50	2.92	0.00	2.92	14.10	5.43	0.00	5.43
11.55	3.18	0.00	3.18	14.15	5.29	0.00	5.29
11.60	3.47	0.00	3.47	14.20	5.17	0.00	5.17
11.65	3.82	0.00	3.82	14.25	5.06	0.00	5.06
11.70	4.23	0.00	4.23	14.30	4.95	0.00	4.95
11.75	4.73	0.00	4.73	14.35	4.86	0.00	4.86
11.80	5.35	0.00	5.35	14.40	4.76	0.00	4.76
11.85	6.09	0.00	6.09	14.45	4.68	0.00	4.68
11.90	7.00	0.00	7.00	14.50	4.59	0.00	4.59
11.95	8.13	0.00	8.13	14.55	4.51	0.00	4.51
12.00	9.59	0.00	9.59	14.60	4.43	0.00	4.43
12.05	11.57	0.00	11.57	14.65	4.35	0.00	4.35
12.10	14.33	0.00	14.33	14.70	4.27	0.00	4.27
12.15	18.14	0.00	18.14	14.75	4.19	0.00	4.19
12.20	23.05	0.00	23.05	14.80	4.12	0.00	4.12
12.25	28.66	0.00	28.66	14.85	4.04	0.00	4.04
12.30	34.26	0.00	34.26	14.90	3.96	0.00	3.96
12.35	38.93	0.00	38.93	14.95	3.89	0.00	3.89
12.40	41.80	0.00	41.80	15.00	3.81	0.00	3.81
12.45	**42.89**	0.00	**42.89**	15.05	3.74	0.00	3.74
12.50	42.35	0.00	42.35	15.10	3.66	0.00	3.66
12.55	40.51	0.00	40.51	15.15	3.58	0.00	3.58
12.60	37.83	0.00	37.83	15.20	3.51	0.00	3.51
12.65	34.72	0.00	34.72	15.25	3.43	0.00	3.43
12.70	31.54	0.00	31.54	15.30	3.36	0.00	3.36
12.75	28.68	0.00	28.68	15.35	3.29	0.00	3.29
12.80	26.10	0.00	26.10	15.40	3.23	0.00	3.23
12.85	23.75	0.00	23.75	15.45	3.17	0.00	3.17
12.90	21.62	0.00	21.62	15.50	3.12	0.00	3.12
12.95	19.73	0.00	19.73	15.55	3.08	0.00	3.08

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.04	0.00	3.04	18.20	1.92	0.00	1.92
15.65	3.00	0.00	3.00	18.25	1.90	0.00	1.90
15.70	2.97	0.00	2.97	18.30	1.88	0.00	1.88
15.75	2.94	0.00	2.94	18.35	1.86	0.00	1.86
15.80	2.92	0.00	2.92	18.40	1.84	0.00	1.84
15.85	2.89	0.00	2.89	18.45	1.82	0.00	1.82
15.90	2.87	0.00	2.87	18.50	1.81	0.00	1.81
15.95	2.84	0.00	2.84	18.55	1.80	0.00	1.80
16.00	2.82	0.00	2.82	18.60	1.79	0.00	1.79
16.05	2.80	0.00	2.80	18.65	1.78	0.00	1.78
16.10	2.78	0.00	2.78	18.70	1.77	0.00	1.77
16.15	2.75	0.00	2.75	18.75	1.76	0.00	1.76
16.20	2.73	0.00	2.73	18.80	1.75	0.00	1.75
16.25	2.71	0.00	2.71	18.85	1.75	0.00	1.75
16.30	2.69	0.00	2.69	18.90	1.74	0.00	1.74
16.35	2.67	0.00	2.67	18.95	1.74	0.00	1.74
16.40	2.65	0.00	2.65	19.00	1.73	0.00	1.73
16.45	2.63	0.00	2.63	19.05	1.72	0.00	1.72
16.50	2.61	0.00	2.61	19.10	1.72	0.00	1.72
16.55	2.59	0.00	2.59	19.15	1.71	0.00	1.71
16.60	2.57	0.00	2.57	19.20	1.71	0.00	1.71
16.65	2.55	0.00	2.55	19.25	1.70	0.00	1.70
16.70	2.53	0.00	2.53	19.30	1.70	0.00	1.70
16.75	2.51	0.00	2.51	19.35	1.69	0.00	1.69
16.80	2.49	0.00	2.49	19.40	1.69	0.00	1.69
16.85	2.47	0.00	2.47	19.45	1.68	0.00	1.68
16.90	2.45	0.00	2.45	19.50	1.68	0.00	1.68
16.95	2.43	0.00	2.43	19.55	1.67	0.00	1.67
17.00	2.41	0.00	2.41	19.60	1.67	0.00	1.67
17.05	2.39	0.00	2.39	19.65	1.66	0.00	1.66
17.10	2.37	0.00	2.37	19.70	1.66	0.00	1.66
17.15	2.35	0.00	2.35	19.75	1.65	0.00	1.65
17.20	2.33	0.00	2.33	19.80	1.65	0.00	1.65
17.25	2.31	0.00	2.31	19.85	1.64	0.00	1.64
17.30	2.29	0.00	2.29	19.90	1.64	0.00	1.64
17.35	2.27	0.00	2.27	19.95	1.63	0.00	1.63
17.40	2.25	0.00	2.25	20.00	1.63	0.00	1.63
17.45	2.23	0.00	2.23	20.05	1.62	0.00	1.62
17.50	2.21	0.00	2.21	20.10	1.62	0.00	1.62
17.55	2.19	0.00	2.19	20.15	1.61	0.00	1.61
17.60	2.17	0.00	2.17	20.20	1.61	0.00	1.61
17.65	2.15	0.00	2.15	20.25	1.60	0.00	1.60
17.70	2.12	0.00	2.12	20.30	1.60	0.00	1.60
17.75	2.10	0.00	2.10	20.35	1.59	0.00	1.59
17.80	2.08	0.00	2.08	20.40	1.59	0.00	1.59
17.85	2.06	0.00	2.06	20.45	1.58	0.00	1.58
17.90	2.04	0.00	2.04	20.50	1.58	0.00	1.58
17.95	2.02	0.00	2.02	20.55	1.57	0.00	1.57
18.00	2.00	0.00	2.00	20.60	1.57	0.00	1.57
18.05	1.98	0.00	1.98	20.65	1.56	0.00	1.56
18.10	1.96	0.00	1.96	20.70	1.56	0.00	1.56
18.15	1.94	0.00	1.94	20.75	1.55	0.00	1.55

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.55	0.00	1.55	23.40	1.28	0.00	1.28
20.85	1.54	0.00	1.54	23.45	1.27	0.00	1.27
20.90	1.54	0.00	1.54	23.50	1.26	0.00	1.26
20.95	1.53	0.00	1.53	23.55	1.26	0.00	1.26
21.00	1.53	0.00	1.53	23.60	1.25	0.00	1.25
21.05	1.52	0.00	1.52	23.65	1.25	0.00	1.25
21.10	1.52	0.00	1.52	23.70	1.24	0.00	1.24
21.15	1.51	0.00	1.51	23.75	1.24	0.00	1.24
21.20	1.51	0.00	1.51	23.80	1.23	0.00	1.23
21.25	1.50	0.00	1.50	23.85	1.23	0.00	1.23
21.30	1.50	0.00	1.50	23.90	1.22	0.00	1.22
21.35	1.49	0.00	1.49	23.95	1.22	0.00	1.22
21.40	1.48	0.00	1.48	24.00	1.21	0.00	1.21
21.45	1.48	0.00	1.48	24.05	1.21	0.00	1.21
21.50	1.48	0.00	1.48	24.10	1.21	0.00	1.21
21.55	1.47	0.00	1.47	24.15	1.19	0.00	1.19
21.60	1.47	0.00	1.47	24.20	1.16	0.00	1.16
21.65	1.46	0.00	1.46	24.25	1.10	0.00	1.10
21.70	1.45	0.00	1.45	24.30	1.01	0.00	1.01
21.75	1.45	0.00	1.45	24.35	0.89	0.00	0.89
21.80	1.44	0.00	1.44	24.40	0.77	0.00	0.77
21.85	1.44	0.00	1.44	24.45	0.64	0.00	0.64
21.90	1.43	0.00	1.43	24.50	0.52	0.00	0.52
21.95	1.43	0.00	1.43	24.55	0.41	0.00	0.41
22.00	1.42	0.00	1.42	24.60	0.32	0.00	0.32
22.05	1.42	0.00	1.42	24.65	0.25	0.00	0.25
22.10	1.41	0.00	1.41	24.70	0.20	0.00	0.20
22.15	1.41	0.00	1.41	24.75	0.16	0.00	0.16
22.20	1.40	0.00	1.40	24.80	0.13	0.00	0.13
22.25	1.40	0.00	1.40	24.85	0.10	0.00	0.10
22.30	1.39	0.00	1.39	24.90	0.08	0.00	0.08
22.35	1.39	0.00	1.39	24.95	0.06	0.00	0.06
22.40	1.38	0.00	1.38	25.00	0.05	0.00	0.05
22.45	1.38	0.00	1.38	25.05	0.04	0.00	0.04
22.50	1.37	0.00	1.37	25.10	0.03	0.00	0.03
22.55	1.37	0.00	1.37	25.15	0.02	0.00	0.02
22.60	1.36	0.00	1.36	25.20	0.02	0.00	0.02
22.65	1.36	0.00	1.36	25.25	0.01	0.00	0.01
22.70	1.35	0.00	1.35	25.30	0.01	0.00	0.01
22.75	1.34	0.00	1.34	25.35	0.01	0.00	0.01
22.80	1.34	0.00	1.34	25.40	0.01	0.00	0.01
22.85	1.33	0.00	1.33	25.45	0.00	0.00	0.00
22.90	1.33	0.00	1.33	25.50	0.00	0.00	0.00
22.95	1.32	0.00	1.32	25.55	0.00	0.00	0.00
23.00	1.32	0.00	1.32	25.60	0.00	0.00	0.00
23.05	1.31	0.00	1.31	25.65	0.00	0.00	0.00
23.10	1.31	0.00	1.31	25.70	0.00	0.00	0.00
23.15	1.30	0.00	1.30	25.75	0.00	0.00	0.00
23.20	1.30	0.00	1.30	25.80	0.00	0.00	0.00
23.25	1.29	0.00	1.29	25.85	0.00	0.00	0.00
23.30	1.29	0.00	1.29	25.90	0.00	0.00	0.00
23.35	1.28	0.00	1.28	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

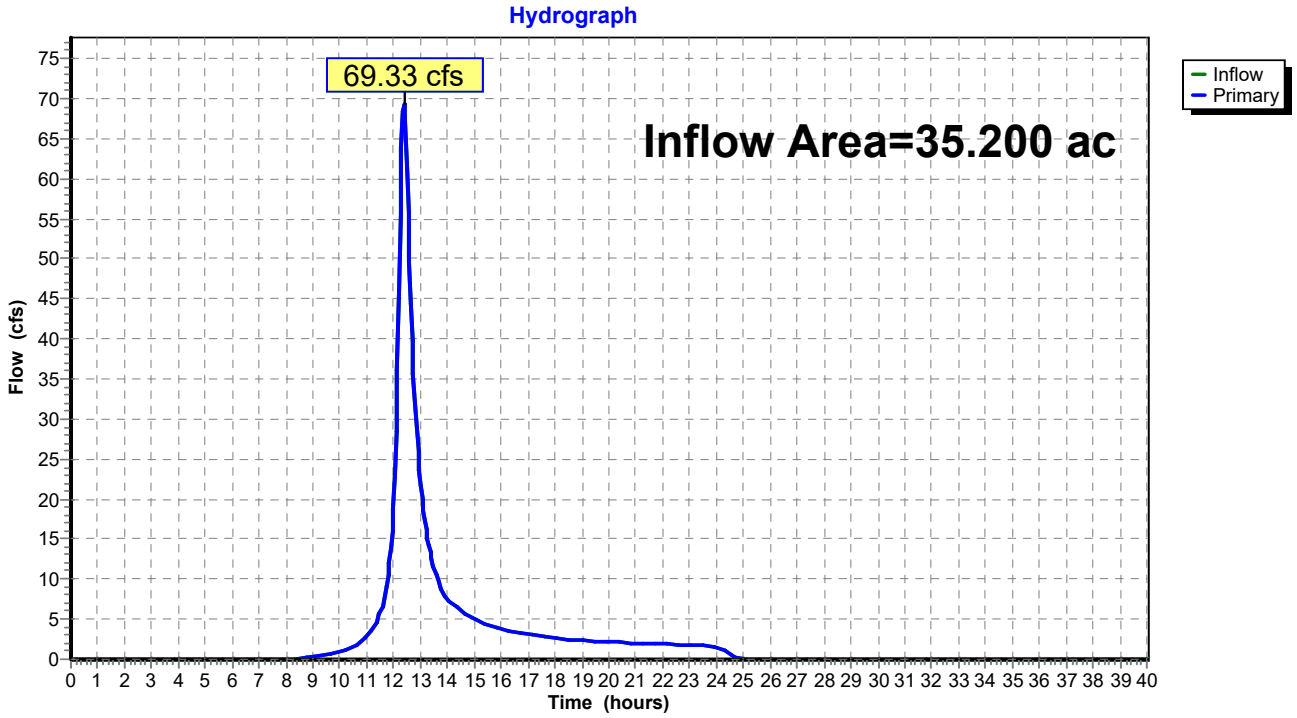
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 2.68" for Current 10 yr event
Inflow = 69.33 cfs @ 12.39 hrs, Volume= 7.866 af
Primary = 69.33 cfs @ 12.39 hrs, Volume= 7.866 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.01	0.00	0.01
5.65	0.00	0.00	0.00	8.25	0.01	0.00	0.01
5.70	0.00	0.00	0.00	8.30	0.02	0.00	0.02
5.75	0.00	0.00	0.00	8.35	0.03	0.00	0.03
5.80	0.00	0.00	0.00	8.40	0.04	0.00	0.04
5.85	0.00	0.00	0.00	8.45	0.06	0.00	0.06
5.90	0.00	0.00	0.00	8.50	0.07	0.00	0.07
5.95	0.00	0.00	0.00	8.55	0.09	0.00	0.09
6.00	0.00	0.00	0.00	8.60	0.11	0.00	0.11
6.05	0.00	0.00	0.00	8.65	0.13	0.00	0.13
6.10	0.00	0.00	0.00	8.70	0.14	0.00	0.14
6.15	0.00	0.00	0.00	8.75	0.16	0.00	0.16
6.20	0.00	0.00	0.00	8.80	0.18	0.00	0.18
6.25	0.00	0.00	0.00	8.85	0.20	0.00	0.20
6.30	0.00	0.00	0.00	8.90	0.22	0.00	0.22
6.35	0.00	0.00	0.00	8.95	0.25	0.00	0.25
6.40	0.00	0.00	0.00	9.00	0.27	0.00	0.27
6.45	0.00	0.00	0.00	9.05	0.29	0.00	0.29
6.50	0.00	0.00	0.00	9.10	0.31	0.00	0.31
6.55	0.00	0.00	0.00	9.15	0.33	0.00	0.33
6.60	0.00	0.00	0.00	9.20	0.36	0.00	0.36
6.65	0.00	0.00	0.00	9.25	0.38	0.00	0.38
6.70	0.00	0.00	0.00	9.30	0.41	0.00	0.41
6.75	0.00	0.00	0.00	9.35	0.44	0.00	0.44
6.80	0.00	0.00	0.00	9.40	0.47	0.00	0.47
6.85	0.00	0.00	0.00	9.45	0.51	0.00	0.51
6.90	0.00	0.00	0.00	9.50	0.54	0.00	0.54
6.95	0.00	0.00	0.00	9.55	0.58	0.00	0.58
7.00	0.00	0.00	0.00	9.60	0.62	0.00	0.62
7.05	0.00	0.00	0.00	9.65	0.66	0.00	0.66
7.10	0.00	0.00	0.00	9.70	0.70	0.00	0.70
7.15	0.00	0.00	0.00	9.75	0.74	0.00	0.74
7.20	0.00	0.00	0.00	9.80	0.79	0.00	0.79
7.25	0.00	0.00	0.00	9.85	0.84	0.00	0.84
7.30	0.00	0.00	0.00	9.90	0.89	0.00	0.89
7.35	0.00	0.00	0.00	9.95	0.94	0.00	0.94
7.40	0.00	0.00	0.00	10.00	0.99	0.00	0.99
7.45	0.00	0.00	0.00	10.05	1.05	0.00	1.05
7.50	0.00	0.00	0.00	10.10	1.10	0.00	1.10
7.55	0.00	0.00	0.00	10.15	1.16	0.00	1.16
7.60	0.00	0.00	0.00	10.20	1.22	0.00	1.22
7.65	0.00	0.00	0.00	10.25	1.28	0.00	1.28
7.70	0.00	0.00	0.00	10.30	1.34	0.00	1.34
7.75	0.00	0.00	0.00	10.35	1.41	0.00	1.41

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.48	0.00	1.48	13.00	21.59	0.00	21.59
10.45	1.55	0.00	1.55	13.05	19.91	0.00	19.91
10.50	1.62	0.00	1.62	13.10	18.48	0.00	18.48
10.55	1.69	0.00	1.69	13.15	17.23	0.00	17.23
10.60	1.76	0.00	1.76	13.20	16.10	0.00	16.10
10.65	1.85	0.00	1.85	13.25	15.08	0.00	15.08
10.70	1.94	0.00	1.94	13.30	14.17	0.00	14.17
10.75	2.04	0.00	2.04	13.35	13.35	0.00	13.35
10.80	2.16	0.00	2.16	13.40	12.61	0.00	12.61
10.85	2.30	0.00	2.30	13.45	11.94	0.00	11.94
10.90	2.45	0.00	2.45	13.50	11.32	0.00	11.32
10.95	2.62	0.00	2.62	13.55	10.76	0.00	10.76
11.00	2.80	0.00	2.80	13.60	10.25	0.00	10.25
11.05	2.99	0.00	2.99	13.65	9.78	0.00	9.78
11.10	3.20	0.00	3.20	13.70	9.34	0.00	9.34
11.15	3.43	0.00	3.43	13.75	8.92	0.00	8.92
11.20	3.68	0.00	3.68	13.80	8.54	0.00	8.54
11.25	3.95	0.00	3.95	13.85	8.20	0.00	8.20
11.30	4.26	0.00	4.26	13.90	7.90	0.00	7.90
11.35	4.60	0.00	4.60	13.95	7.64	0.00	7.64
11.40	4.98	0.00	4.98	14.00	7.42	0.00	7.42
11.45	5.39	0.00	5.39	14.05	7.23	0.00	7.23
11.50	5.82	0.00	5.82	14.10	7.06	0.00	7.06
11.55	6.29	0.00	6.29	14.15	6.91	0.00	6.91
11.60	6.82	0.00	6.82	14.20	6.77	0.00	6.77
11.65	7.46	0.00	7.46	14.25	6.64	0.00	6.64
11.70	8.27	0.00	8.27	14.30	6.52	0.00	6.52
11.75	9.27	0.00	9.27	14.35	6.40	0.00	6.40
11.80	10.49	0.00	10.49	14.40	6.29	0.00	6.29
11.85	11.94	0.00	11.94	14.45	6.18	0.00	6.18
11.90	13.69	0.00	13.69	14.50	6.07	0.00	6.07
11.95	15.90	0.00	15.90	14.55	5.96	0.00	5.96
12.00	18.84	0.00	18.84	14.60	5.85	0.00	5.85
12.05	22.78	0.00	22.78	14.65	5.75	0.00	5.75
12.10	28.40	0.00	28.40	14.70	5.65	0.00	5.65
12.15	36.12	0.00	36.12	14.75	5.54	0.00	5.54
12.20	45.61	0.00	45.61	14.80	5.44	0.00	5.44
12.25	55.63	0.00	55.63	14.85	5.33	0.00	5.33
12.30	63.91	0.00	63.91	14.90	5.23	0.00	5.23
12.35	68.53	0.00	68.53	14.95	5.12	0.00	5.12
12.40	**69.18**	0.00	**69.18**	15.00	5.02	0.00	5.02
12.45	66.58	0.00	66.58	15.05	4.92	0.00	4.92
12.50	61.76	0.00	61.76	15.10	4.81	0.00	4.81
12.55	55.71	0.00	55.71	15.15	4.71	0.00	4.71
12.60	49.67	0.00	49.67	15.20	4.60	0.00	4.60
12.65	44.40	0.00	44.40	15.25	4.50	0.00	4.50
12.70	39.81	0.00	39.81	15.30	4.41	0.00	4.41
12.75	35.69	0.00	35.69	15.35	4.32	0.00	4.32
12.80	31.99	0.00	31.99	15.40	4.25	0.00	4.25
12.85	28.77	0.00	28.77	15.45	4.18	0.00	4.18
12.90	25.99	0.00	25.99	15.50	4.12	0.00	4.12
12.95	23.60	0.00	23.60	15.55	4.07	0.00	4.07

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.03	0.00	4.03	18.20	2.53	0.00	2.53
15.65	3.99	0.00	3.99	18.25	2.50	0.00	2.50
15.70	3.95	0.00	3.95	18.30	2.48	0.00	2.48
15.75	3.92	0.00	3.92	18.35	2.45	0.00	2.45
15.80	3.89	0.00	3.89	18.40	2.43	0.00	2.43
15.85	3.85	0.00	3.85	18.45	2.41	0.00	2.41
15.90	3.82	0.00	3.82	18.50	2.40	0.00	2.40
15.95	3.79	0.00	3.79	18.55	2.39	0.00	2.39
16.00	3.76	0.00	3.76	18.60	2.37	0.00	2.37
16.05	3.73	0.00	3.73	18.65	2.36	0.00	2.36
16.10	3.71	0.00	3.71	18.70	2.35	0.00	2.35
16.15	3.68	0.00	3.68	18.75	2.35	0.00	2.35
16.20	3.65	0.00	3.65	18.80	2.34	0.00	2.34
16.25	3.62	0.00	3.62	18.85	2.33	0.00	2.33
16.30	3.60	0.00	3.60	18.90	2.32	0.00	2.32
16.35	3.57	0.00	3.57	18.95	2.31	0.00	2.31
16.40	3.54	0.00	3.54	19.00	2.31	0.00	2.31
16.45	3.51	0.00	3.51	19.05	2.30	0.00	2.30
16.50	3.49	0.00	3.49	19.10	2.29	0.00	2.29
16.55	3.46	0.00	3.46	19.15	2.28	0.00	2.28
16.60	3.43	0.00	3.43	19.20	2.28	0.00	2.28
16.65	3.40	0.00	3.40	19.25	2.27	0.00	2.27
16.70	3.37	0.00	3.37	19.30	2.26	0.00	2.26
16.75	3.35	0.00	3.35	19.35	2.26	0.00	2.26
16.80	3.32	0.00	3.32	19.40	2.25	0.00	2.25
16.85	3.29	0.00	3.29	19.45	2.24	0.00	2.24
16.90	3.26	0.00	3.26	19.50	2.24	0.00	2.24
16.95	3.24	0.00	3.24	19.55	2.23	0.00	2.23
17.00	3.21	0.00	3.21	19.60	2.22	0.00	2.22
17.05	3.18	0.00	3.18	19.65	2.22	0.00	2.22
17.10	3.15	0.00	3.15	19.70	2.21	0.00	2.21
17.15	3.12	0.00	3.12	19.75	2.20	0.00	2.20
17.20	3.10	0.00	3.10	19.80	2.19	0.00	2.19
17.25	3.07	0.00	3.07	19.85	2.19	0.00	2.19
17.30	3.04	0.00	3.04	19.90	2.18	0.00	2.18
17.35	3.01	0.00	3.01	19.95	2.18	0.00	2.18
17.40	2.99	0.00	2.99	20.00	2.17	0.00	2.17
17.45	2.96	0.00	2.96	20.05	2.16	0.00	2.16
17.50	2.93	0.00	2.93	20.10	2.16	0.00	2.16
17.55	2.90	0.00	2.90	20.15	2.15	0.00	2.15
17.60	2.87	0.00	2.87	20.20	2.14	0.00	2.14
17.65	2.84	0.00	2.84	20.25	2.13	0.00	2.13
17.70	2.81	0.00	2.81	20.30	2.13	0.00	2.13
17.75	2.79	0.00	2.79	20.35	2.12	0.00	2.12
17.80	2.76	0.00	2.76	20.40	2.11	0.00	2.11
17.85	2.73	0.00	2.73	20.45	2.10	0.00	2.10
17.90	2.70	0.00	2.70	20.50	2.10	0.00	2.10
17.95	2.67	0.00	2.67	20.55	2.09	0.00	2.09
18.00	2.64	0.00	2.64	20.60	2.08	0.00	2.08
18.05	2.62	0.00	2.62	20.65	2.08	0.00	2.08
18.10	2.59	0.00	2.59	20.70	2.07	0.00	2.07
18.15	2.56	0.00	2.56	20.75	2.06	0.00	2.06

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.06	0.00	2.06	23.40	1.68	0.00	1.68
20.85	2.05	0.00	2.05	23.45	1.68	0.00	1.68
20.90	2.04	0.00	2.04	23.50	1.67	0.00	1.67
20.95	2.04	0.00	2.04	23.55	1.66	0.00	1.66
21.00	2.03	0.00	2.03	23.60	1.66	0.00	1.66
21.05	2.02	0.00	2.02	23.65	1.65	0.00	1.65
21.10	2.01	0.00	2.01	23.70	1.64	0.00	1.64
21.15	2.01	0.00	2.01	23.75	1.63	0.00	1.63
21.20	2.00	0.00	2.00	23.80	1.63	0.00	1.63
21.25	1.99	0.00	1.99	23.85	1.62	0.00	1.62
21.30	1.98	0.00	1.98	23.90	1.61	0.00	1.61
21.35	1.98	0.00	1.98	23.95	1.61	0.00	1.61
21.40	1.97	0.00	1.97	24.00	1.60	0.00	1.60
21.45	1.96	0.00	1.96	24.05	1.61	0.00	1.61
21.50	1.96	0.00	1.96	24.10	1.60	0.00	1.60
21.55	1.95	0.00	1.95	24.15	1.58	0.00	1.58
21.60	1.95	0.00	1.95	24.20	1.51	0.00	1.51
21.65	1.94	0.00	1.94	24.25	1.36	0.00	1.36
21.70	1.93	0.00	1.93	24.30	1.17	0.00	1.17
21.75	1.92	0.00	1.92	24.35	0.97	0.00	0.97
21.80	1.91	0.00	1.91	24.40	0.76	0.00	0.76
21.85	1.91	0.00	1.91	24.45	0.58	0.00	0.58
21.90	1.90	0.00	1.90	24.50	0.44	0.00	0.44
21.95	1.89	0.00	1.89	24.55	0.33	0.00	0.33
22.00	1.89	0.00	1.89	24.60	0.25	0.00	0.25
22.05	1.88	0.00	1.88	24.65	0.19	0.00	0.19
22.10	1.87	0.00	1.87	24.70	0.14	0.00	0.14
22.15	1.87	0.00	1.87	24.75	0.11	0.00	0.11
22.20	1.86	0.00	1.86	24.80	0.08	0.00	0.08
22.25	1.85	0.00	1.85	24.85	0.06	0.00	0.06
22.30	1.84	0.00	1.84	24.90	0.05	0.00	0.05
22.35	1.84	0.00	1.84	24.95	0.03	0.00	0.03
22.40	1.83	0.00	1.83	25.00	0.03	0.00	0.03
22.45	1.82	0.00	1.82	25.05	0.02	0.00	0.02
22.50	1.82	0.00	1.82	25.10	0.01	0.00	0.01
22.55	1.81	0.00	1.81	25.15	0.01	0.00	0.01
22.60	1.80	0.00	1.80	25.20	0.01	0.00	0.01
22.65	1.79	0.00	1.79	25.25	0.01	0.00	0.01
22.70	1.79	0.00	1.79	25.30	0.00	0.00	0.00
22.75	1.78	0.00	1.78	25.35	0.00	0.00	0.00
22.80	1.77	0.00	1.77	25.40	0.00	0.00	0.00
22.85	1.77	0.00	1.77	25.45	0.00	0.00	0.00
22.90	1.76	0.00	1.76	25.50	0.00	0.00	0.00
22.95	1.75	0.00	1.75	25.55	0.00	0.00	0.00
23.00	1.74	0.00	1.74	25.60	0.00	0.00	0.00
23.05	1.74	0.00	1.74	25.65	0.00	0.00	0.00
23.10	1.73	0.00	1.73	25.70	0.00	0.00	0.00
23.15	1.72	0.00	1.72	25.75	0.00	0.00	0.00
23.20	1.72	0.00	1.72	25.80	0.00	0.00	0.00
23.25	1.71	0.00	1.71	25.85	0.00	0.00	0.00
23.30	1.70	0.00	1.70	25.90	0.00	0.00	0.00
23.35	1.69	0.00	1.69	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

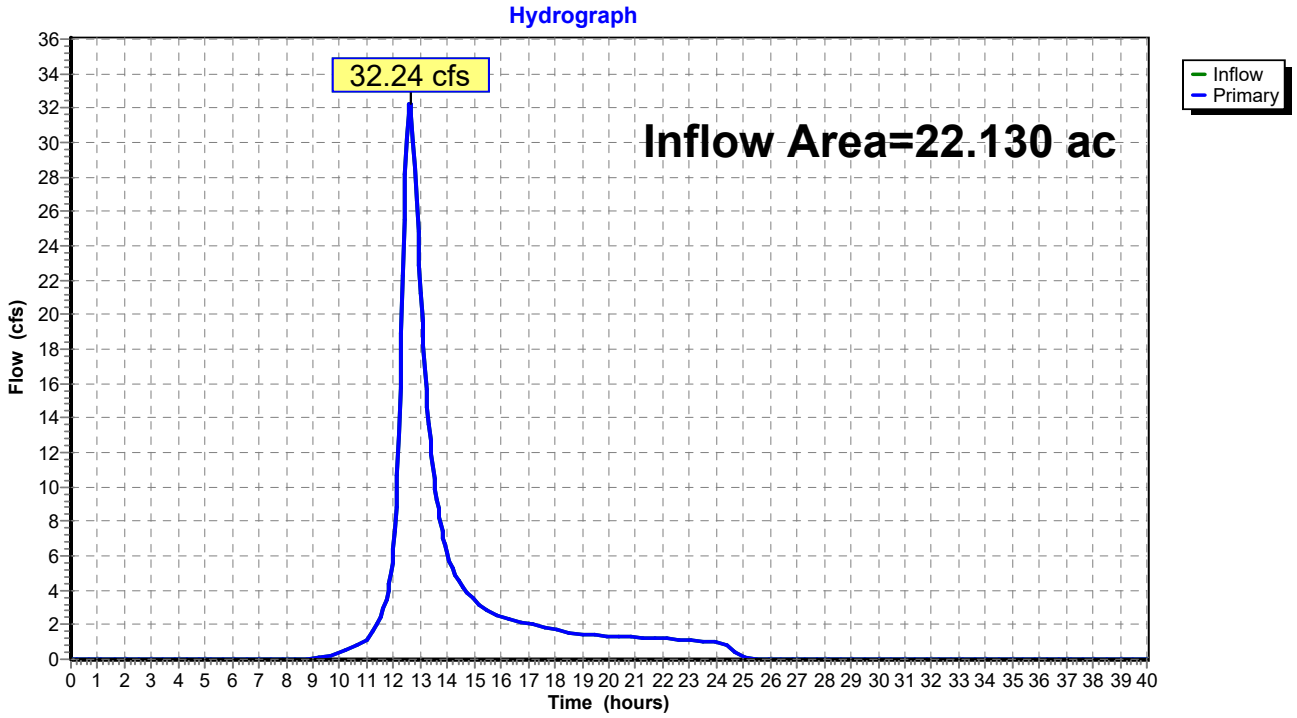
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 2.59" for Current 10 yr event
Inflow = 32.24 cfs @ 12.61 hrs, Volume= 4.782 af
Primary = 32.24 cfs @ 12.61 hrs, Volume= 4.782 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.01	0.00	0.01
6.10	0.00	0.00	0.00	8.70	0.01	0.00	0.01
6.15	0.00	0.00	0.00	8.75	0.01	0.00	0.01
6.20	0.00	0.00	0.00	8.80	0.02	0.00	0.02
6.25	0.00	0.00	0.00	8.85	0.03	0.00	0.03
6.30	0.00	0.00	0.00	8.90	0.03	0.00	0.03
6.35	0.00	0.00	0.00	8.95	0.04	0.00	0.04
6.40	0.00	0.00	0.00	9.00	0.05	0.00	0.05
6.45	0.00	0.00	0.00	9.05	0.06	0.00	0.06
6.50	0.00	0.00	0.00	9.10	0.07	0.00	0.07
6.55	0.00	0.00	0.00	9.15	0.08	0.00	0.08
6.60	0.00	0.00	0.00	9.20	0.09	0.00	0.09
6.65	0.00	0.00	0.00	9.25	0.10	0.00	0.10
6.70	0.00	0.00	0.00	9.30	0.12	0.00	0.12
6.75	0.00	0.00	0.00	9.35	0.13	0.00	0.13
6.80	0.00	0.00	0.00	9.40	0.14	0.00	0.14
6.85	0.00	0.00	0.00	9.45	0.16	0.00	0.16
6.90	0.00	0.00	0.00	9.50	0.17	0.00	0.17
6.95	0.00	0.00	0.00	9.55	0.19	0.00	0.19
7.00	0.00	0.00	0.00	9.60	0.21	0.00	0.21
7.05	0.00	0.00	0.00	9.65	0.22	0.00	0.22
7.10	0.00	0.00	0.00	9.70	0.24	0.00	0.24
7.15	0.00	0.00	0.00	9.75	0.26	0.00	0.26
7.20	0.00	0.00	0.00	9.80	0.29	0.00	0.29
7.25	0.00	0.00	0.00	9.85	0.31	0.00	0.31
7.30	0.00	0.00	0.00	9.90	0.33	0.00	0.33
7.35	0.00	0.00	0.00	9.95	0.35	0.00	0.35
7.40	0.00	0.00	0.00	10.00	0.38	0.00	0.38
7.45	0.00	0.00	0.00	10.05	0.41	0.00	0.41
7.50	0.00	0.00	0.00	10.10	0.43	0.00	0.43
7.55	0.00	0.00	0.00	10.15	0.46	0.00	0.46
7.60	0.00	0.00	0.00	10.20	0.49	0.00	0.49
7.65	0.00	0.00	0.00	10.25	0.52	0.00	0.52
7.70	0.00	0.00	0.00	10.30	0.55	0.00	0.55
7.75	0.00	0.00	0.00	10.35	0.59	0.00	0.59

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.62	0.00	0.62	13.00	21.21	0.00	21.21
10.45	0.66	0.00	0.66	13.05	19.64	0.00	19.64
10.50	0.69	0.00	0.69	13.10	18.22	0.00	18.22
10.55	0.73	0.00	0.73	13.15	16.91	0.00	16.91
10.60	0.77	0.00	0.77	13.20	15.71	0.00	15.71
10.65	0.81	0.00	0.81	13.25	14.61	0.00	14.61
10.70	0.85	0.00	0.85	13.30	13.62	0.00	13.62
10.75	0.89	0.00	0.89	13.35	12.72	0.00	12.72
10.80	0.94	0.00	0.94	13.40	11.90	0.00	11.90
10.85	0.99	0.00	0.99	13.45	11.15	0.00	11.15
10.90	1.05	0.00	1.05	13.50	10.48	0.00	10.48
10.95	1.12	0.00	1.12	13.55	9.85	0.00	9.85
11.00	1.18	0.00	1.18	13.60	9.29	0.00	9.29
11.05	1.26	0.00	1.26	13.65	8.76	0.00	8.76
11.10	1.34	0.00	1.34	13.70	8.28	0.00	8.28
11.15	1.44	0.00	1.44	13.75	7.84	0.00	7.84
11.20	1.54	0.00	1.54	13.80	7.43	0.00	7.43
11.25	1.65	0.00	1.65	13.85	7.05	0.00	7.05
11.30	1.77	0.00	1.77	13.90	6.70	0.00	6.70
11.35	1.90	0.00	1.90	13.95	6.39	0.00	6.39
11.40	2.05	0.00	2.05	14.00	6.09	0.00	6.09
11.45	2.21	0.00	2.21	14.05	5.83	0.00	5.83
11.50	2.38	0.00	2.38	14.10	5.58	0.00	5.58
11.55	2.58	0.00	2.58	14.15	5.37	0.00	5.37
11.60	2.79	0.00	2.79	14.20	5.17	0.00	5.17
11.65	3.03	0.00	3.03	14.25	4.99	0.00	4.99
11.70	3.30	0.00	3.30	14.30	4.83	0.00	4.83
11.75	3.61	0.00	3.61	14.35	4.68	0.00	4.68
11.80	3.98	0.00	3.98	14.40	4.54	0.00	4.54
11.85	4.42	0.00	4.42	14.45	4.42	0.00	4.42
11.90	4.96	0.00	4.96	14.50	4.29	0.00	4.29
11.95	5.60	0.00	5.60	14.55	4.19	0.00	4.19
12.00	6.41	0.00	6.41	14.60	4.09	0.00	4.09
12.05	7.44	0.00	7.44	14.65	4.00	0.00	4.00
12.10	8.82	0.00	8.82	14.70	3.92	0.00	3.92
12.15	10.66	0.00	10.66	14.75	3.84	0.00	3.84
12.20	12.97	0.00	12.97	14.80	3.76	0.00	3.76
12.25	15.76	0.00	15.76	14.85	3.68	0.00	3.68
12.30	18.91	0.00	18.91	14.90	3.61	0.00	3.61
12.35	22.27	0.00	22.27	14.95	3.54	0.00	3.54
12.40	25.48	0.00	25.48	15.00	3.47	0.00	3.47
12.45	28.22	0.00	28.22	15.05	3.40	0.00	3.40
12.50	30.33	0.00	30.33	15.10	3.33	0.00	3.33
12.55	31.60	0.00	31.60	15.15	3.26	0.00	3.26
12.60	**32.21**	0.00	**32.21**	15.20	3.19	0.00	3.19
12.65	32.02	0.00	32.02	15.25	3.13	0.00	3.13
12.70	31.33	0.00	31.33	15.30	3.06	0.00	3.06
12.75	30.09	0.00	30.09	15.35	3.00	0.00	3.00
12.80	28.53	0.00	28.53	15.40	2.94	0.00	2.94
12.85	26.66	0.00	26.66	15.45	2.88	0.00	2.88
12.90	24.77	0.00	24.77	15.50	2.82	0.00	2.82
12.95	22.92	0.00	22.92	15.55	2.77	0.00	2.77

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.72	0.00	2.72	18.20	1.66	0.00	1.66
15.65	2.68	0.00	2.68	18.25	1.64	0.00	1.64
15.70	2.64	0.00	2.64	18.30	1.62	0.00	1.62
15.75	2.60	0.00	2.60	18.35	1.61	0.00	1.61
15.80	2.57	0.00	2.57	18.40	1.59	0.00	1.59
15.85	2.54	0.00	2.54	18.45	1.57	0.00	1.57
15.90	2.51	0.00	2.51	18.50	1.56	0.00	1.56
15.95	2.48	0.00	2.48	18.55	1.55	0.00	1.55
16.00	2.46	0.00	2.46	18.60	1.53	0.00	1.53
16.05	2.43	0.00	2.43	18.65	1.52	0.00	1.52
16.10	2.41	0.00	2.41	18.70	1.51	0.00	1.51
16.15	2.39	0.00	2.39	18.75	1.50	0.00	1.50
16.20	2.37	0.00	2.37	18.80	1.49	0.00	1.49
16.25	2.34	0.00	2.34	18.85	1.48	0.00	1.48
16.30	2.33	0.00	2.33	18.90	1.47	0.00	1.47
16.35	2.30	0.00	2.30	18.95	1.47	0.00	1.47
16.40	2.29	0.00	2.29	19.00	1.46	0.00	1.46
16.45	2.27	0.00	2.27	19.05	1.45	0.00	1.45
16.50	2.25	0.00	2.25	19.10	1.45	0.00	1.45
16.55	2.23	0.00	2.23	19.15	1.44	0.00	1.44
16.60	2.22	0.00	2.22	19.20	1.44	0.00	1.44
16.65	2.20	0.00	2.20	19.25	1.43	0.00	1.43
16.70	2.18	0.00	2.18	19.30	1.43	0.00	1.43
16.75	2.16	0.00	2.16	19.35	1.42	0.00	1.42
16.80	2.14	0.00	2.14	19.40	1.42	0.00	1.42
16.85	2.13	0.00	2.13	19.45	1.41	0.00	1.41
16.90	2.11	0.00	2.11	19.50	1.41	0.00	1.41
16.95	2.09	0.00	2.09	19.55	1.40	0.00	1.40
17.00	2.07	0.00	2.07	19.60	1.40	0.00	1.40
17.05	2.06	0.00	2.06	19.65	1.39	0.00	1.39
17.10	2.04	0.00	2.04	19.70	1.39	0.00	1.39
17.15	2.02	0.00	2.02	19.75	1.38	0.00	1.38
17.20	2.01	0.00	2.01	19.80	1.38	0.00	1.38
17.25	1.99	0.00	1.99	19.85	1.38	0.00	1.38
17.30	1.97	0.00	1.97	19.90	1.37	0.00	1.37
17.35	1.95	0.00	1.95	19.95	1.37	0.00	1.37
17.40	1.94	0.00	1.94	20.00	1.36	0.00	1.36
17.45	1.92	0.00	1.92	20.05	1.36	0.00	1.36
17.50	1.90	0.00	1.90	20.10	1.36	0.00	1.36
17.55	1.88	0.00	1.88	20.15	1.35	0.00	1.35
17.60	1.87	0.00	1.87	20.20	1.35	0.00	1.35
17.65	1.85	0.00	1.85	20.25	1.34	0.00	1.34
17.70	1.83	0.00	1.83	20.30	1.34	0.00	1.34
17.75	1.82	0.00	1.82	20.35	1.33	0.00	1.33
17.80	1.80	0.00	1.80	20.40	1.33	0.00	1.33
17.85	1.78	0.00	1.78	20.45	1.33	0.00	1.33
17.90	1.76	0.00	1.76	20.50	1.32	0.00	1.32
17.95	1.75	0.00	1.75	20.55	1.32	0.00	1.32
18.00	1.73	0.00	1.73	20.60	1.31	0.00	1.31
18.05	1.71	0.00	1.71	20.65	1.31	0.00	1.31
18.10	1.69	0.00	1.69	20.70	1.30	0.00	1.30
18.15	1.68	0.00	1.68	20.75	1.30	0.00	1.30

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.30	0.00	1.30	23.40	1.07	0.00	1.07
20.85	1.29	0.00	1.29	23.45	1.06	0.00	1.06
20.90	1.29	0.00	1.29	23.50	1.06	0.00	1.06
20.95	1.28	0.00	1.28	23.55	1.05	0.00	1.05
21.00	1.28	0.00	1.28	23.60	1.05	0.00	1.05
21.05	1.27	0.00	1.27	23.65	1.04	0.00	1.04
21.10	1.27	0.00	1.27	23.70	1.04	0.00	1.04
21.15	1.27	0.00	1.27	23.75	1.04	0.00	1.04
21.20	1.26	0.00	1.26	23.80	1.03	0.00	1.03
21.25	1.26	0.00	1.26	23.85	1.03	0.00	1.03
21.30	1.25	0.00	1.25	23.90	1.02	0.00	1.02
21.35	1.25	0.00	1.25	23.95	1.02	0.00	1.02
21.40	1.24	0.00	1.24	24.00	1.01	0.00	1.01
21.45	1.24	0.00	1.24	24.05	1.01	0.00	1.01
21.50	1.23	0.00	1.23	24.10	1.01	0.00	1.01
21.55	1.23	0.00	1.23	24.15	1.00	0.00	1.00
21.60	1.23	0.00	1.23	24.20	0.99	0.00	0.99
21.65	1.22	0.00	1.22	24.25	0.97	0.00	0.97
21.70	1.22	0.00	1.22	24.30	0.94	0.00	0.94
21.75	1.21	0.00	1.21	24.35	0.90	0.00	0.90
21.80	1.21	0.00	1.21	24.40	0.84	0.00	0.84
21.85	1.20	0.00	1.20	24.45	0.78	0.00	0.78
21.90	1.20	0.00	1.20	24.50	0.70	0.00	0.70
21.95	1.20	0.00	1.20	24.55	0.63	0.00	0.63
22.00	1.19	0.00	1.19	24.60	0.55	0.00	0.55
22.05	1.19	0.00	1.19	24.65	0.48	0.00	0.48
22.10	1.18	0.00	1.18	24.70	0.41	0.00	0.41
22.15	1.18	0.00	1.18	24.75	0.35	0.00	0.35
22.20	1.17	0.00	1.17	24.80	0.29	0.00	0.29
22.25	1.17	0.00	1.17	24.85	0.24	0.00	0.24
22.30	1.16	0.00	1.16	24.90	0.21	0.00	0.21
22.35	1.16	0.00	1.16	24.95	0.17	0.00	0.17
22.40	1.16	0.00	1.16	25.00	0.15	0.00	0.15
22.45	1.15	0.00	1.15	25.05	0.12	0.00	0.12
22.50	1.15	0.00	1.15	25.10	0.11	0.00	0.11
22.55	1.14	0.00	1.14	25.15	0.09	0.00	0.09
22.60	1.14	0.00	1.14	25.20	0.07	0.00	0.07
22.65	1.13	0.00	1.13	25.25	0.06	0.00	0.06
22.70	1.13	0.00	1.13	25.30	0.05	0.00	0.05
22.75	1.13	0.00	1.13	25.35	0.04	0.00	0.04
22.80	1.12	0.00	1.12	25.40	0.04	0.00	0.04
22.85	1.12	0.00	1.12	25.45	0.03	0.00	0.03
22.90	1.11	0.00	1.11	25.50	0.03	0.00	0.03
22.95	1.11	0.00	1.11	25.55	0.02	0.00	0.02
23.00	1.10	0.00	1.10	25.60	0.02	0.00	0.02
23.05	1.10	0.00	1.10	25.65	0.02	0.00	0.02
23.10	1.09	0.00	1.09	25.70	0.01	0.00	0.01
23.15	1.09	0.00	1.09	25.75	0.01	0.00	0.01
23.20	1.09	0.00	1.09	25.80	0.01	0.00	0.01
23.25	1.08	0.00	1.08	25.85	0.01	0.00	0.01
23.30	1.08	0.00	1.08	25.90	0.01	0.00	0.01
23.35	1.07	0.00	1.07	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

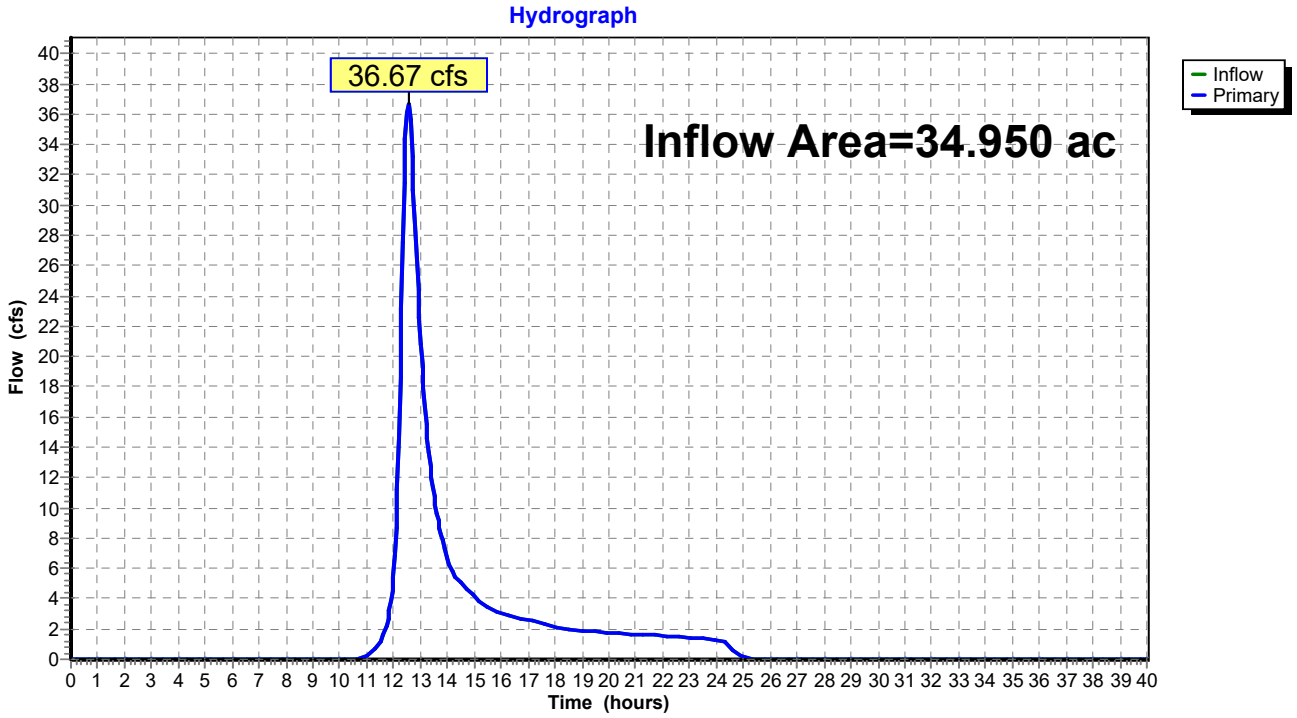
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 1.78" for Current 10 yr event
Inflow = 36.67 cfs @ 12.55 hrs, Volume= 5.192 af
Primary = 36.67 cfs @ 12.55 hrs, Volume= 5.192 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	20.88	0.00	20.88
10.45	0.00	0.00	0.00	13.05	19.33	0.00	19.33
10.50	0.00	0.00	0.00	13.10	17.94	0.00	17.94
10.55	0.01	0.00	0.01	13.15	16.67	0.00	16.67
10.60	0.01	0.00	0.01	13.20	15.54	0.00	15.54
10.65	0.02	0.00	0.02	13.25	14.53	0.00	14.53
10.70	0.03	0.00	0.03	13.30	13.60	0.00	13.60
10.75	0.05	0.00	0.05	13.35	12.78	0.00	12.78
10.80	0.07	0.00	0.07	13.40	12.02	0.00	12.02
10.85	0.10	0.00	0.10	13.45	11.34	0.00	11.34
10.90	0.13	0.00	0.13	13.50	10.72	0.00	10.72
10.95	0.17	0.00	0.17	13.55	10.14	0.00	10.14
11.00	0.21	0.00	0.21	13.60	9.62	0.00	9.62
11.05	0.26	0.00	0.26	13.65	9.13	0.00	9.13
11.10	0.32	0.00	0.32	13.70	8.68	0.00	8.68
11.15	0.39	0.00	0.39	13.75	8.26	0.00	8.26
11.20	0.46	0.00	0.46	13.80	7.87	0.00	7.87
11.25	0.54	0.00	0.54	13.85	7.51	0.00	7.51
11.30	0.63	0.00	0.63	13.90	7.18	0.00	7.18
11.35	0.74	0.00	0.74	13.95	6.87	0.00	6.87
11.40	0.86	0.00	0.86	14.00	6.60	0.00	6.60
11.45	0.99	0.00	0.99	14.05	6.34	0.00	6.34
11.50	1.14	0.00	1.14	14.10	6.12	0.00	6.12
11.55	1.30	0.00	1.30	14.15	5.92	0.00	5.92
11.60	1.50	0.00	1.50	14.20	5.74	0.00	5.74
11.65	1.72	0.00	1.72	14.25	5.59	0.00	5.59
11.70	1.99	0.00	1.99	14.30	5.45	0.00	5.45
11.75	2.31	0.00	2.31	14.35	5.33	0.00	5.33
11.80	2.70	0.00	2.70	14.40	5.22	0.00	5.22
11.85	3.18	0.00	3.18	14.45	5.11	0.00	5.11
11.90	3.78	0.00	3.78	14.50	5.01	0.00	5.01
11.95	4.51	0.00	4.51	14.55	4.91	0.00	4.91
12.00	5.48	0.00	5.48	14.60	4.82	0.00	4.82
12.05	6.79	0.00	6.79	14.65	4.73	0.00	4.73
12.10	8.64	0.00	8.64	14.70	4.65	0.00	4.65
12.15	11.19	0.00	11.19	14.75	4.56	0.00	4.56
12.20	14.54	0.00	14.54	14.80	4.48	0.00	4.48
12.25	18.60	0.00	18.60	14.85	4.40	0.00	4.40
12.30	23.10	0.00	23.10	14.90	4.32	0.00	4.32
12.35	27.58	0.00	27.58	14.95	4.23	0.00	4.23
12.40	31.52	0.00	31.52	15.00	4.16	0.00	4.16
12.45	34.40	0.00	34.40	15.05	4.07	0.00	4.07
12.50	36.14	0.00	36.14	15.10	4.00	0.00	4.00
12.55	**36.67**	0.00	**36.67**	15.15	3.92	0.00	3.92
12.60	36.30	0.00	36.30	15.20	3.84	0.00	3.84
12.65	35.04	0.00	35.04	15.25	3.76	0.00	3.76
12.70	33.21	0.00	33.21	15.30	3.68	0.00	3.68
12.75	31.03	0.00	31.03	15.35	3.61	0.00	3.61
12.80	28.69	0.00	28.69	15.40	3.54	0.00	3.54
12.85	26.48	0.00	26.48	15.45	3.47	0.00	3.47
12.90	24.44	0.00	24.44	15.50	3.41	0.00	3.41
12.95	22.57	0.00	22.57	15.55	3.35	0.00	3.35

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.30	0.00	3.30	18.20	2.08	0.00	2.08
15.65	3.26	0.00	3.26	18.25	2.06	0.00	2.06
15.70	3.22	0.00	3.22	18.30	2.04	0.00	2.04
15.75	3.18	0.00	3.18	18.35	2.02	0.00	2.02
15.80	3.15	0.00	3.15	18.40	2.00	0.00	2.00
15.85	3.12	0.00	3.12	18.45	1.98	0.00	1.98
15.90	3.09	0.00	3.09	18.50	1.96	0.00	1.96
15.95	3.06	0.00	3.06	18.55	1.95	0.00	1.95
16.00	3.04	0.00	3.04	18.60	1.93	0.00	1.93
16.05	3.01	0.00	3.01	18.65	1.92	0.00	1.92
16.10	2.98	0.00	2.98	18.70	1.91	0.00	1.91
16.15	2.96	0.00	2.96	18.75	1.90	0.00	1.90
16.20	2.94	0.00	2.94	18.80	1.89	0.00	1.89
16.25	2.92	0.00	2.92	18.85	1.88	0.00	1.88
16.30	2.89	0.00	2.89	18.90	1.88	0.00	1.88
16.35	2.87	0.00	2.87	18.95	1.87	0.00	1.87
16.40	2.85	0.00	2.85	19.00	1.86	0.00	1.86
16.45	2.83	0.00	2.83	19.05	1.85	0.00	1.85
16.50	2.81	0.00	2.81	19.10	1.85	0.00	1.85
16.55	2.79	0.00	2.79	19.15	1.84	0.00	1.84
16.60	2.77	0.00	2.77	19.20	1.84	0.00	1.84
16.65	2.75	0.00	2.75	19.25	1.83	0.00	1.83
16.70	2.72	0.00	2.72	19.30	1.82	0.00	1.82
16.75	2.70	0.00	2.70	19.35	1.82	0.00	1.82
16.80	2.68	0.00	2.68	19.40	1.81	0.00	1.81
16.85	2.66	0.00	2.66	19.45	1.81	0.00	1.81
16.90	2.64	0.00	2.64	19.50	1.80	0.00	1.80
16.95	2.62	0.00	2.62	19.55	1.80	0.00	1.80
17.00	2.60	0.00	2.60	19.60	1.79	0.00	1.79
17.05	2.58	0.00	2.58	19.65	1.79	0.00	1.79
17.10	2.56	0.00	2.56	19.70	1.78	0.00	1.78
17.15	2.54	0.00	2.54	19.75	1.78	0.00	1.78
17.20	2.51	0.00	2.51	19.80	1.77	0.00	1.77
17.25	2.49	0.00	2.49	19.85	1.77	0.00	1.77
17.30	2.47	0.00	2.47	19.90	1.76	0.00	1.76
17.35	2.45	0.00	2.45	19.95	1.76	0.00	1.76
17.40	2.43	0.00	2.43	20.00	1.75	0.00	1.75
17.45	2.41	0.00	2.41	20.05	1.75	0.00	1.75
17.50	2.39	0.00	2.39	20.10	1.74	0.00	1.74
17.55	2.36	0.00	2.36	20.15	1.74	0.00	1.74
17.60	2.34	0.00	2.34	20.20	1.73	0.00	1.73
17.65	2.32	0.00	2.32	20.25	1.73	0.00	1.73
17.70	2.30	0.00	2.30	20.30	1.72	0.00	1.72
17.75	2.28	0.00	2.28	20.35	1.72	0.00	1.72
17.80	2.26	0.00	2.26	20.40	1.71	0.00	1.71
17.85	2.23	0.00	2.23	20.45	1.70	0.00	1.70
17.90	2.21	0.00	2.21	20.50	1.70	0.00	1.70
17.95	2.19	0.00	2.19	20.55	1.69	0.00	1.69
18.00	2.17	0.00	2.17	20.60	1.69	0.00	1.69
18.05	2.15	0.00	2.15	20.65	1.68	0.00	1.68
18.10	2.12	0.00	2.12	20.70	1.68	0.00	1.68
18.15	2.10	0.00	2.10	20.75	1.67	0.00	1.67

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.67	0.00	1.67	23.40	1.38	0.00	1.38
20.85	1.66	0.00	1.66	23.45	1.38	0.00	1.38
20.90	1.66	0.00	1.66	23.50	1.37	0.00	1.37
20.95	1.65	0.00	1.65	23.55	1.37	0.00	1.37
21.00	1.65	0.00	1.65	23.60	1.36	0.00	1.36
21.05	1.64	0.00	1.64	23.65	1.35	0.00	1.35
21.10	1.64	0.00	1.64	23.70	1.35	0.00	1.35
21.15	1.63	0.00	1.63	23.75	1.34	0.00	1.34
21.20	1.62	0.00	1.62	23.80	1.34	0.00	1.34
21.25	1.62	0.00	1.62	23.85	1.33	0.00	1.33
21.30	1.61	0.00	1.61	23.90	1.33	0.00	1.33
21.35	1.61	0.00	1.61	23.95	1.32	0.00	1.32
21.40	1.60	0.00	1.60	24.00	1.32	0.00	1.32
21.45	1.60	0.00	1.60	24.05	1.31	0.00	1.31
21.50	1.59	0.00	1.59	24.10	1.31	0.00	1.31
21.55	1.59	0.00	1.59	24.15	1.30	0.00	1.30
21.60	1.58	0.00	1.58	24.20	1.28	0.00	1.28
21.65	1.58	0.00	1.58	24.25	1.24	0.00	1.24
21.70	1.57	0.00	1.57	24.30	1.18	0.00	1.18
21.75	1.57	0.00	1.57	24.35	1.09	0.00	1.09
21.80	1.56	0.00	1.56	24.40	0.99	0.00	0.99
21.85	1.55	0.00	1.55	24.45	0.87	0.00	0.87
21.90	1.55	0.00	1.55	24.50	0.75	0.00	0.75
21.95	1.54	0.00	1.54	24.55	0.64	0.00	0.64
22.00	1.54	0.00	1.54	24.60	0.53	0.00	0.53
22.05	1.53	0.00	1.53	24.65	0.44	0.00	0.44
22.10	1.53	0.00	1.53	24.70	0.36	0.00	0.36
22.15	1.52	0.00	1.52	24.75	0.29	0.00	0.29
22.20	1.52	0.00	1.52	24.80	0.24	0.00	0.24
22.25	1.51	0.00	1.51	24.85	0.20	0.00	0.20
22.30	1.51	0.00	1.51	24.90	0.16	0.00	0.16
22.35	1.50	0.00	1.50	24.95	0.13	0.00	0.13
22.40	1.50	0.00	1.50	25.00	0.11	0.00	0.11
22.45	1.49	0.00	1.49	25.05	0.09	0.00	0.09
22.50	1.48	0.00	1.48	25.10	0.07	0.00	0.07
22.55	1.48	0.00	1.48	25.15	0.06	0.00	0.06
22.60	1.47	0.00	1.47	25.20	0.05	0.00	0.05
22.65	1.47	0.00	1.47	25.25	0.04	0.00	0.04
22.70	1.46	0.00	1.46	25.30	0.03	0.00	0.03
22.75	1.46	0.00	1.46	25.35	0.03	0.00	0.03
22.80	1.45	0.00	1.45	25.40	0.02	0.00	0.02
22.85	1.44	0.00	1.44	25.45	0.02	0.00	0.02
22.90	1.44	0.00	1.44	25.50	0.01	0.00	0.01
22.95	1.43	0.00	1.43	25.55	0.01	0.00	0.01
23.00	1.43	0.00	1.43	25.60	0.01	0.00	0.01
23.05	1.42	0.00	1.42	25.65	0.01	0.00	0.01
23.10	1.42	0.00	1.42	25.70	0.01	0.00	0.01
23.15	1.41	0.00	1.41	25.75	0.00	0.00	0.00
23.20	1.40	0.00	1.40	25.80	0.00	0.00	0.00
23.25	1.40	0.00	1.40	25.85	0.00	0.00	0.00
23.30	1.39	0.00	1.39	25.90	0.00	0.00	0.00
23.35	1.39	0.00	1.39	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

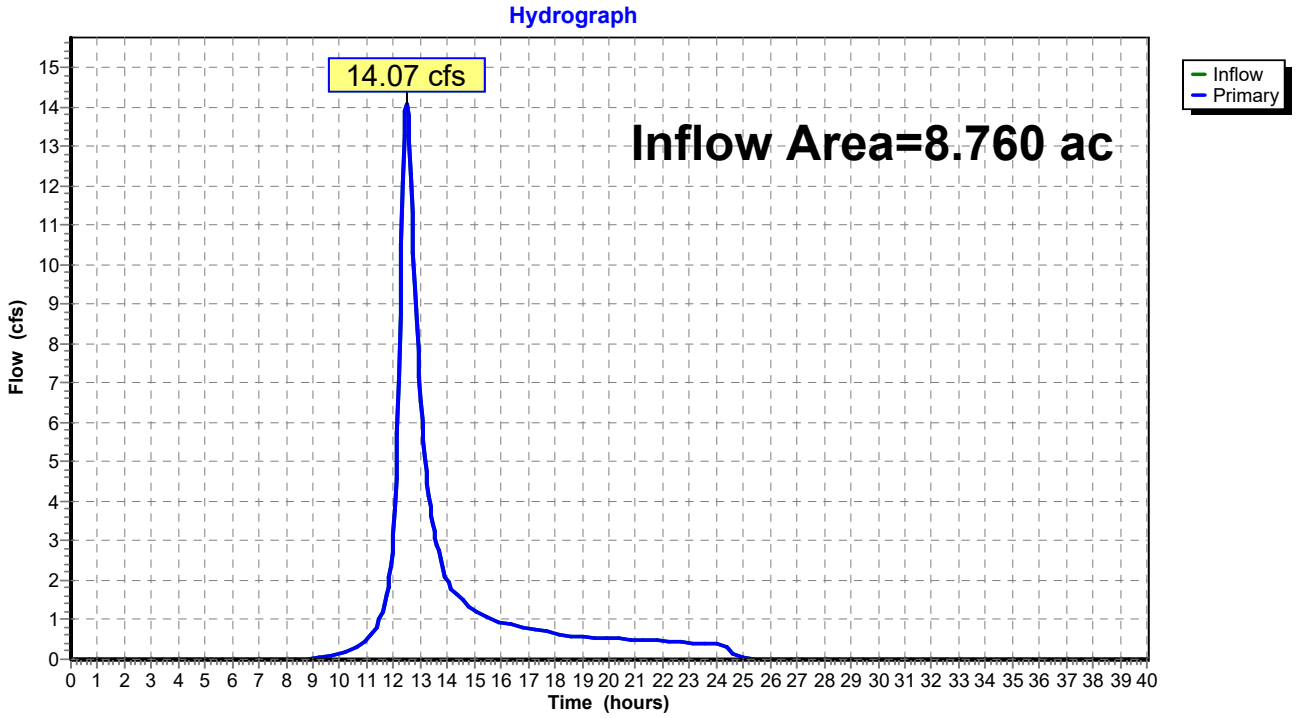
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 2.51" for Current 10 yr event
Inflow = 14.07 cfs @ 12.49 hrs, Volume= 1.829 af
Primary = 14.07 cfs @ 12.49 hrs, Volume= 1.829 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.01	0.00	0.01
6.40	0.00	0.00	0.00	9.00	0.01	0.00	0.01
6.45	0.00	0.00	0.00	9.05	0.01	0.00	0.01
6.50	0.00	0.00	0.00	9.10	0.02	0.00	0.02
6.55	0.00	0.00	0.00	9.15	0.02	0.00	0.02
6.60	0.00	0.00	0.00	9.20	0.02	0.00	0.02
6.65	0.00	0.00	0.00	9.25	0.03	0.00	0.03
6.70	0.00	0.00	0.00	9.30	0.03	0.00	0.03
6.75	0.00	0.00	0.00	9.35	0.04	0.00	0.04
6.80	0.00	0.00	0.00	9.40	0.04	0.00	0.04
6.85	0.00	0.00	0.00	9.45	0.05	0.00	0.05
6.90	0.00	0.00	0.00	9.50	0.06	0.00	0.06
6.95	0.00	0.00	0.00	9.55	0.06	0.00	0.06
7.00	0.00	0.00	0.00	9.60	0.07	0.00	0.07
7.05	0.00	0.00	0.00	9.65	0.08	0.00	0.08
7.10	0.00	0.00	0.00	9.70	0.09	0.00	0.09
7.15	0.00	0.00	0.00	9.75	0.09	0.00	0.09
7.20	0.00	0.00	0.00	9.80	0.10	0.00	0.10
7.25	0.00	0.00	0.00	9.85	0.11	0.00	0.11
7.30	0.00	0.00	0.00	9.90	0.12	0.00	0.12
7.35	0.00	0.00	0.00	9.95	0.13	0.00	0.13
7.40	0.00	0.00	0.00	10.00	0.14	0.00	0.14
7.45	0.00	0.00	0.00	10.05	0.15	0.00	0.15
7.50	0.00	0.00	0.00	10.10	0.16	0.00	0.16
7.55	0.00	0.00	0.00	10.15	0.17	0.00	0.17
7.60	0.00	0.00	0.00	10.20	0.19	0.00	0.19
7.65	0.00	0.00	0.00	10.25	0.20	0.00	0.20
7.70	0.00	0.00	0.00	10.30	0.21	0.00	0.21
7.75	0.00	0.00	0.00	10.35	0.23	0.00	0.23

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.24	0.00	0.24	13.00	6.55	0.00	6.55
10.45	0.25	0.00	0.25	13.05	6.01	0.00	6.01
10.50	0.27	0.00	0.27	13.10	5.54	0.00	5.54
10.55	0.28	0.00	0.28	13.15	5.12	0.00	5.12
10.60	0.30	0.00	0.30	13.20	4.76	0.00	4.76
10.65	0.31	0.00	0.31	13.25	4.43	0.00	4.43
10.70	0.33	0.00	0.33	13.30	4.14	0.00	4.14
10.75	0.35	0.00	0.35	13.35	3.88	0.00	3.88
10.80	0.37	0.00	0.37	13.40	3.64	0.00	3.64
10.85	0.40	0.00	0.40	13.45	3.42	0.00	3.42
10.90	0.42	0.00	0.42	13.50	3.23	0.00	3.23
10.95	0.45	0.00	0.45	13.55	3.05	0.00	3.05
11.00	0.48	0.00	0.48	13.60	2.89	0.00	2.89
11.05	0.52	0.00	0.52	13.65	2.74	0.00	2.74
11.10	0.56	0.00	0.56	13.70	2.60	0.00	2.60
11.15	0.60	0.00	0.60	13.75	2.48	0.00	2.48
11.20	0.65	0.00	0.65	13.80	2.36	0.00	2.36
11.25	0.70	0.00	0.70	13.85	2.25	0.00	2.25
11.30	0.75	0.00	0.75	13.90	2.14	0.00	2.14
11.35	0.82	0.00	0.82	13.95	2.05	0.00	2.05
11.40	0.88	0.00	0.88	14.00	1.97	0.00	1.97
11.45	0.96	0.00	0.96	14.05	1.90	0.00	1.90
11.50	1.04	0.00	1.04	14.10	1.84	0.00	1.84
11.55	1.13	0.00	1.13	14.15	1.79	0.00	1.79
11.60	1.23	0.00	1.23	14.20	1.74	0.00	1.74
11.65	1.34	0.00	1.34	14.25	1.70	0.00	1.70
11.70	1.48	0.00	1.48	14.30	1.66	0.00	1.66
11.75	1.64	0.00	1.64	14.35	1.62	0.00	1.62
11.80	1.83	0.00	1.83	14.40	1.59	0.00	1.59
11.85	2.07	0.00	2.07	14.45	1.56	0.00	1.56
11.90	2.35	0.00	2.35	14.50	1.53	0.00	1.53
11.95	2.71	0.00	2.71	14.55	1.50	0.00	1.50
12.00	3.17	0.00	3.17	14.60	1.47	0.00	1.47
12.05	3.77	0.00	3.77	14.65	1.44	0.00	1.44
12.10	4.58	0.00	4.58	14.70	1.42	0.00	1.42
12.15	5.71	0.00	5.71	14.75	1.39	0.00	1.39
12.20	7.11	0.00	7.11	14.80	1.37	0.00	1.37
12.25	8.76	0.00	8.76	14.85	1.34	0.00	1.34
12.30	10.51	0.00	10.51	14.90	1.31	0.00	1.31
12.35	12.09	0.00	12.09	14.95	1.29	0.00	1.29
12.40	13.26	0.00	13.26	15.00	1.26	0.00	1.26
12.45	13.90	0.00	13.90	15.05	1.24	0.00	1.24
12.50	**14.07**	0.00	**14.07**	15.10	1.21	0.00	1.21
12.55	13.77	0.00	13.77	15.15	1.19	0.00	1.19
12.60	13.16	0.00	13.16	15.20	1.16	0.00	1.16
12.65	12.31	0.00	12.31	15.25	1.14	0.00	1.14
12.70	11.30	0.00	11.30	15.30	1.11	0.00	1.11
12.75	10.32	0.00	10.32	15.35	1.09	0.00	1.09
12.80	9.41	0.00	9.41	15.40	1.07	0.00	1.07
12.85	8.58	0.00	8.58	15.45	1.05	0.00	1.05
12.90	7.83	0.00	7.83	15.50	1.03	0.00	1.03
12.95	7.15	0.00	7.15	15.55	1.02	0.00	1.02

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.00	0.00	1.00	18.20	0.62	0.00	0.62
15.65	0.99	0.00	0.99	18.25	0.62	0.00	0.62
15.70	0.98	0.00	0.98	18.30	0.61	0.00	0.61
15.75	0.97	0.00	0.97	18.35	0.61	0.00	0.61
15.80	0.96	0.00	0.96	18.40	0.60	0.00	0.60
15.85	0.95	0.00	0.95	18.45	0.59	0.00	0.59
15.90	0.94	0.00	0.94	18.50	0.59	0.00	0.59
15.95	0.93	0.00	0.93	18.55	0.58	0.00	0.58
16.00	0.92	0.00	0.92	18.60	0.58	0.00	0.58
16.05	0.92	0.00	0.92	18.65	0.58	0.00	0.58
16.10	0.91	0.00	0.91	18.70	0.57	0.00	0.57
16.15	0.90	0.00	0.90	18.75	0.57	0.00	0.57
16.20	0.89	0.00	0.89	18.80	0.57	0.00	0.57
16.25	0.89	0.00	0.89	18.85	0.57	0.00	0.57
16.30	0.88	0.00	0.88	18.90	0.56	0.00	0.56
16.35	0.87	0.00	0.87	18.95	0.56	0.00	0.56
16.40	0.87	0.00	0.87	19.00	0.56	0.00	0.56
16.45	0.86	0.00	0.86	19.05	0.56	0.00	0.56
16.50	0.85	0.00	0.85	19.10	0.56	0.00	0.56
16.55	0.85	0.00	0.85	19.15	0.55	0.00	0.55
16.60	0.84	0.00	0.84	19.20	0.55	0.00	0.55
16.65	0.83	0.00	0.83	19.25	0.55	0.00	0.55
16.70	0.83	0.00	0.83	19.30	0.55	0.00	0.55
16.75	0.82	0.00	0.82	19.35	0.55	0.00	0.55
16.80	0.81	0.00	0.81	19.40	0.55	0.00	0.55
16.85	0.81	0.00	0.81	19.45	0.54	0.00	0.54
16.90	0.80	0.00	0.80	19.50	0.54	0.00	0.54
16.95	0.79	0.00	0.79	19.55	0.54	0.00	0.54
17.00	0.79	0.00	0.79	19.60	0.54	0.00	0.54
17.05	0.78	0.00	0.78	19.65	0.54	0.00	0.54
17.10	0.77	0.00	0.77	19.70	0.54	0.00	0.54
17.15	0.77	0.00	0.77	19.75	0.53	0.00	0.53
17.20	0.76	0.00	0.76	19.80	0.53	0.00	0.53
17.25	0.75	0.00	0.75	19.85	0.53	0.00	0.53
17.30	0.75	0.00	0.75	19.90	0.53	0.00	0.53
17.35	0.74	0.00	0.74	19.95	0.53	0.00	0.53
17.40	0.73	0.00	0.73	20.00	0.53	0.00	0.53
17.45	0.73	0.00	0.73	20.05	0.52	0.00	0.52
17.50	0.72	0.00	0.72	20.10	0.52	0.00	0.52
17.55	0.71	0.00	0.71	20.15	0.52	0.00	0.52
17.60	0.71	0.00	0.71	20.20	0.52	0.00	0.52
17.65	0.70	0.00	0.70	20.25	0.52	0.00	0.52
17.70	0.69	0.00	0.69	20.30	0.52	0.00	0.52
17.75	0.69	0.00	0.69	20.35	0.51	0.00	0.51
17.80	0.68	0.00	0.68	20.40	0.51	0.00	0.51
17.85	0.67	0.00	0.67	20.45	0.51	0.00	0.51
17.90	0.67	0.00	0.67	20.50	0.51	0.00	0.51
17.95	0.66	0.00	0.66	20.55	0.51	0.00	0.51
18.00	0.65	0.00	0.65	20.60	0.51	0.00	0.51
18.05	0.65	0.00	0.65	20.65	0.50	0.00	0.50
18.10	0.64	0.00	0.64	20.70	0.50	0.00	0.50
18.15	0.63	0.00	0.63	20.75	0.50	0.00	0.50

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.50	0.00	0.50	23.40	0.41	0.00	0.41
20.85	0.50	0.00	0.50	23.45	0.41	0.00	0.41
20.90	0.50	0.00	0.50	23.50	0.41	0.00	0.41
20.95	0.49	0.00	0.49	23.55	0.41	0.00	0.41
21.00	0.49	0.00	0.49	23.60	0.40	0.00	0.40
21.05	0.49	0.00	0.49	23.65	0.40	0.00	0.40
21.10	0.49	0.00	0.49	23.70	0.40	0.00	0.40
21.15	0.49	0.00	0.49	23.75	0.40	0.00	0.40
21.20	0.49	0.00	0.49	23.80	0.40	0.00	0.40
21.25	0.48	0.00	0.48	23.85	0.40	0.00	0.40
21.30	0.48	0.00	0.48	23.90	0.39	0.00	0.39
21.35	0.48	0.00	0.48	23.95	0.39	0.00	0.39
21.40	0.48	0.00	0.48	24.00	0.39	0.00	0.39
21.45	0.48	0.00	0.48	24.05	0.39	0.00	0.39
21.50	0.48	0.00	0.48	24.10	0.39	0.00	0.39
21.55	0.47	0.00	0.47	24.15	0.39	0.00	0.39
21.60	0.47	0.00	0.47	24.20	0.38	0.00	0.38
21.65	0.47	0.00	0.47	24.25	0.36	0.00	0.36
21.70	0.47	0.00	0.47	24.30	0.34	0.00	0.34
21.75	0.47	0.00	0.47	24.35	0.31	0.00	0.31
21.80	0.47	0.00	0.47	24.40	0.27	0.00	0.27
21.85	0.46	0.00	0.46	24.45	0.23	0.00	0.23
21.90	0.46	0.00	0.46	24.50	0.19	0.00	0.19
21.95	0.46	0.00	0.46	24.55	0.16	0.00	0.16
22.00	0.46	0.00	0.46	24.60	0.13	0.00	0.13
22.05	0.46	0.00	0.46	24.65	0.10	0.00	0.10
22.10	0.46	0.00	0.46	24.70	0.08	0.00	0.08
22.15	0.45	0.00	0.45	24.75	0.07	0.00	0.07
22.20	0.45	0.00	0.45	24.80	0.05	0.00	0.05
22.25	0.45	0.00	0.45	24.85	0.04	0.00	0.04
22.30	0.45	0.00	0.45	24.90	0.03	0.00	0.03
22.35	0.45	0.00	0.45	24.95	0.03	0.00	0.03
22.40	0.45	0.00	0.45	25.00	0.02	0.00	0.02
22.45	0.44	0.00	0.44	25.05	0.02	0.00	0.02
22.50	0.44	0.00	0.44	25.10	0.01	0.00	0.01
22.55	0.44	0.00	0.44	25.15	0.01	0.00	0.01
22.60	0.44	0.00	0.44	25.20	0.01	0.00	0.01
22.65	0.44	0.00	0.44	25.25	0.01	0.00	0.01
22.70	0.43	0.00	0.43	25.30	0.01	0.00	0.01
22.75	0.43	0.00	0.43	25.35	0.00	0.00	0.00
22.80	0.43	0.00	0.43	25.40	0.00	0.00	0.00
22.85	0.43	0.00	0.43	25.45	0.00	0.00	0.00
22.90	0.43	0.00	0.43	25.50	0.00	0.00	0.00
22.95	0.43	0.00	0.43	25.55	0.00	0.00	0.00
23.00	0.42	0.00	0.42	25.60	0.00	0.00	0.00
23.05	0.42	0.00	0.42	25.65	0.00	0.00	0.00
23.10	0.42	0.00	0.42	25.70	0.00	0.00	0.00
23.15	0.42	0.00	0.42	25.75	0.00	0.00	0.00
23.20	0.42	0.00	0.42	25.80	0.00	0.00	0.00
23.25	0.42	0.00	0.42	25.85	0.00	0.00	0.00
23.30	0.41	0.00	0.41	25.90	0.00	0.00	0.00
23.35	0.41	0.00	0.41	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

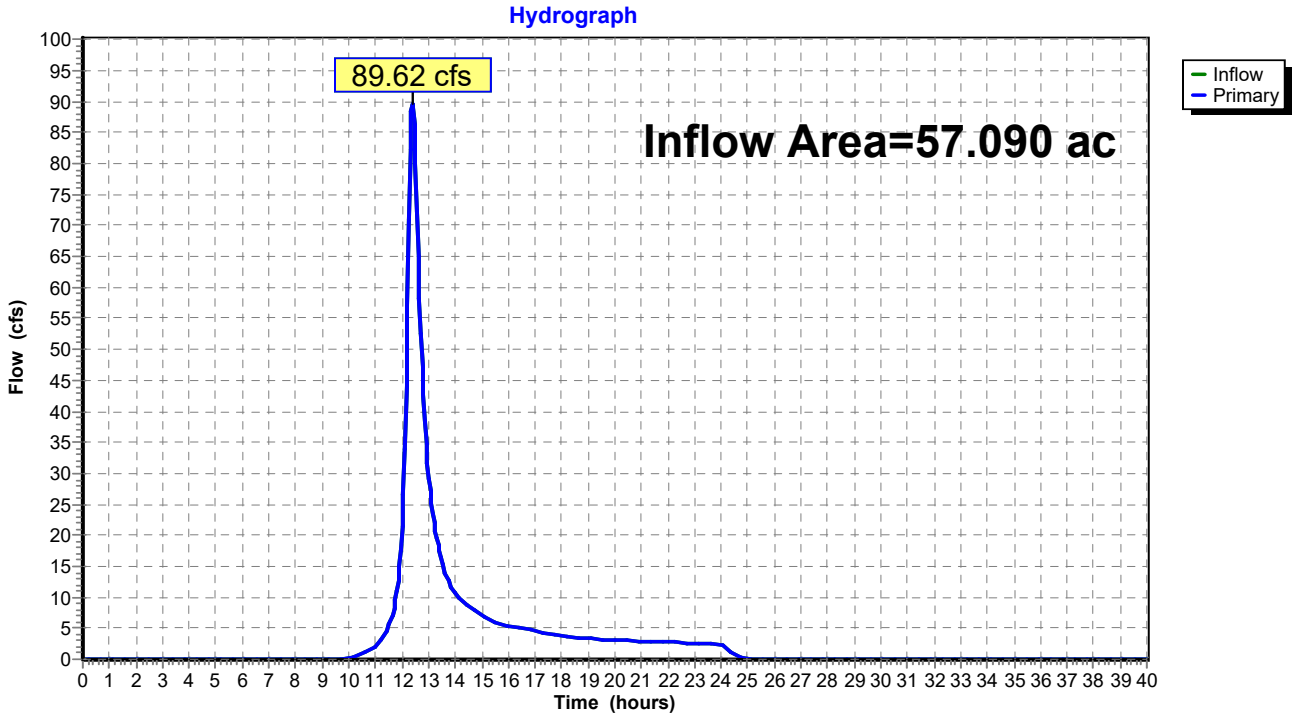
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 2.16" for Current 10 yr event
Inflow = 89.62 cfs @ 12.39 hrs, Volume= 10.288 af
Primary = 89.62 cfs @ 12.39 hrs, Volume= 10.288 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.03	0.00	0.03
0.85	0.00	0.00	0.00	3.45	0.03	0.00	0.03
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.01	0.00	0.01	4.30	0.04	0.00	0.04
1.75	0.01	0.00	0.01	4.35	0.04	0.00	0.04
1.80	0.01	0.00	0.01	4.40	0.04	0.00	0.04
1.85	0.01	0.00	0.01	4.45	0.04	0.00	0.04
1.90	0.01	0.00	0.01	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.04	0.00	0.04
2.10	0.02	0.00	0.02	4.70	0.04	0.00	0.04
2.15	0.02	0.00	0.02	4.75	0.04	0.00	0.04
2.20	0.02	0.00	0.02	4.80	0.04	0.00	0.04
2.25	0.02	0.00	0.02	4.85	0.04	0.00	0.04
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.02	0.00	0.02	5.00	0.05	0.00	0.05
2.45	0.02	0.00	0.02	5.05	0.05	0.00	0.05
2.50	0.02	0.00	0.02	5.10	0.05	0.00	0.05
2.55	0.02	0.00	0.02	5.15	0.05	0.00	0.05

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.08	0.00	0.08
5.45	0.05	0.00	0.05	8.05	0.08	0.00	0.08
5.50	0.05	0.00	0.05	8.10	0.08	0.00	0.08
5.55	0.05	0.00	0.05	8.15	0.08	0.00	0.08
5.60	0.05	0.00	0.05	8.20	0.08	0.00	0.08
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.09	0.00	0.09
6.05	0.05	0.00	0.05	8.65	0.09	0.00	0.09
6.10	0.05	0.00	0.05	8.70	0.09	0.00	0.09
6.15	0.05	0.00	0.05	8.75	0.09	0.00	0.09
6.20	0.05	0.00	0.05	8.80	0.09	0.00	0.09
6.25	0.05	0.00	0.05	8.85	0.09	0.00	0.09
6.30	0.05	0.00	0.05	8.90	0.10	0.00	0.10
6.35	0.05	0.00	0.05	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.10	0.00	0.10
6.60	0.06	0.00	0.06	9.20	0.10	0.00	0.10
6.65	0.06	0.00	0.06	9.25	0.10	0.00	0.10
6.70	0.06	0.00	0.06	9.30	0.10	0.00	0.10
6.75	0.06	0.00	0.06	9.35	0.11	0.00	0.11
6.80	0.06	0.00	0.06	9.40	0.11	0.00	0.11
6.85	0.06	0.00	0.06	9.45	0.11	0.00	0.11
6.90	0.06	0.00	0.06	9.50	0.11	0.00	0.11
6.95	0.06	0.00	0.06	9.55	0.12	0.00	0.12
7.00	0.06	0.00	0.06	9.60	0.12	0.00	0.12
7.05	0.07	0.00	0.07	9.65	0.12	0.00	0.12
7.10	0.07	0.00	0.07	9.70	0.13	0.00	0.13
7.15	0.07	0.00	0.07	9.75	0.14	0.00	0.14
7.20	0.07	0.00	0.07	9.80	0.15	0.00	0.15
7.25	0.07	0.00	0.07	9.85	0.16	0.00	0.16
7.30	0.07	0.00	0.07	9.90	0.18	0.00	0.18
7.35	0.07	0.00	0.07	9.95	0.21	0.00	0.21
7.40	0.07	0.00	0.07	10.00	0.24	0.00	0.24
7.45	0.07	0.00	0.07	10.05	0.28	0.00	0.28
7.50	0.07	0.00	0.07	10.10	0.32	0.00	0.32
7.55	0.07	0.00	0.07	10.15	0.37	0.00	0.37
7.60	0.07	0.00	0.07	10.20	0.43	0.00	0.43
7.65	0.08	0.00	0.08	10.25	0.49	0.00	0.49
7.70	0.08	0.00	0.08	10.30	0.55	0.00	0.55
7.75	0.08	0.00	0.08	10.35	0.62	0.00	0.62

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.69	0.00	0.69	13.00	29.20	0.00	29.20
10.45	0.76	0.00	0.76	13.05	27.04	0.00	27.04
10.50	0.84	0.00	0.84	13.10	25.18	0.00	25.18
10.55	0.92	0.00	0.92	13.15	23.54	0.00	23.54
10.60	1.01	0.00	1.01	13.20	22.07	0.00	22.07
10.65	1.10	0.00	1.10	13.25	20.74	0.00	20.74
10.70	1.20	0.00	1.20	13.30	19.53	0.00	19.53
10.75	1.31	0.00	1.31	13.35	18.44	0.00	18.44
10.80	1.43	0.00	1.43	13.40	17.44	0.00	17.44
10.85	1.57	0.00	1.57	13.45	16.54	0.00	16.54
10.90	1.73	0.00	1.73	13.50	15.72	0.00	15.72
10.95	1.90	0.00	1.90	13.55	14.97	0.00	14.97
11.00	2.09	0.00	2.09	13.60	14.29	0.00	14.29
11.05	2.30	0.00	2.30	13.65	13.66	0.00	13.66
11.10	2.52	0.00	2.52	13.70	13.05	0.00	13.05
11.15	2.76	0.00	2.76	13.75	12.48	0.00	12.48
11.20	3.03	0.00	3.03	13.80	11.96	0.00	11.96
11.25	3.34	0.00	3.34	13.85	11.49	0.00	11.49
11.30	3.68	0.00	3.68	13.90	11.08	0.00	11.08
11.35	4.06	0.00	4.06	13.95	10.73	0.00	10.73
11.40	4.48	0.00	4.48	14.00	10.43	0.00	10.43
11.45	4.94	0.00	4.94	14.05	10.17	0.00	10.17
11.50	5.44	0.00	5.44	14.10	9.95	0.00	9.95
11.55	5.99	0.00	5.99	14.15	9.74	0.00	9.74
11.60	6.61	0.00	6.61	14.20	9.55	0.00	9.55
11.65	7.37	0.00	7.37	14.25	9.37	0.00	9.37
11.70	8.33	0.00	8.33	14.30	9.21	0.00	9.21
11.75	9.53	0.00	9.53	14.35	9.05	0.00	9.05
11.80	10.98	0.00	10.98	14.40	8.89	0.00	8.89
11.85	12.73	0.00	12.73	14.45	8.74	0.00	8.74
11.90	14.88	0.00	14.88	14.50	8.59	0.00	8.59
11.95	17.65	0.00	17.65	14.55	8.44	0.00	8.44
12.00	21.36	0.00	21.36	14.60	8.30	0.00	8.30
12.05	26.46	0.00	26.46	14.65	8.15	0.00	8.15
12.10	33.87	0.00	33.87	14.70	8.01	0.00	8.01
12.15	44.24	0.00	44.24	14.75	7.86	0.00	7.86
12.20	57.19	0.00	57.19	14.80	7.71	0.00	7.71
12.25	70.85	0.00	70.85	14.85	7.57	0.00	7.57
12.30	82.24	0.00	82.24	14.90	7.42	0.00	7.42
12.35	88.52	0.00	88.52	14.95	7.28	0.00	7.28
12.40	**89.47**	0.00	**89.47**	15.00	7.13	0.00	7.13
12.45	86.30	0.00	86.30	15.05	6.99	0.00	6.99
12.50	80.11	0.00	80.11	15.10	6.84	0.00	6.84
12.55	72.47	0.00	72.47	15.15	6.69	0.00	6.69
12.60	64.90	0.00	64.90	15.20	6.54	0.00	6.54
12.65	58.38	0.00	58.38	15.25	6.40	0.00	6.40
12.70	52.60	0.00	52.60	15.30	6.27	0.00	6.27
12.75	47.35	0.00	47.35	15.35	6.15	0.00	6.15
12.80	42.60	0.00	42.60	15.40	6.05	0.00	6.05
12.85	38.46	0.00	38.46	15.45	5.95	0.00	5.95
12.90	34.87	0.00	34.87	15.50	5.87	0.00	5.87
12.95	31.79	0.00	31.79	15.55	5.81	0.00	5.81

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.75	0.00	5.75	18.20	3.65	0.00	3.65
15.65	5.69	0.00	5.69	18.25	3.61	0.00	3.61
15.70	5.64	0.00	5.64	18.30	3.57	0.00	3.57
15.75	5.60	0.00	5.60	18.35	3.54	0.00	3.54
15.80	5.55	0.00	5.55	18.40	3.51	0.00	3.51
15.85	5.51	0.00	5.51	18.45	3.48	0.00	3.48
15.90	5.46	0.00	5.46	18.50	3.46	0.00	3.46
15.95	5.42	0.00	5.42	18.55	3.44	0.00	3.44
16.00	5.38	0.00	5.38	18.60	3.43	0.00	3.43
16.05	5.34	0.00	5.34	18.65	3.41	0.00	3.41
16.10	5.30	0.00	5.30	18.70	3.40	0.00	3.40
16.15	5.26	0.00	5.26	18.75	3.39	0.00	3.39
16.20	5.23	0.00	5.23	18.80	3.38	0.00	3.38
16.25	5.19	0.00	5.19	18.85	3.36	0.00	3.36
16.30	5.15	0.00	5.15	18.90	3.35	0.00	3.35
16.35	5.11	0.00	5.11	18.95	3.34	0.00	3.34
16.40	5.07	0.00	5.07	19.00	3.33	0.00	3.33
16.45	5.04	0.00	5.04	19.05	3.32	0.00	3.32
16.50	5.00	0.00	5.00	19.10	3.31	0.00	3.31
16.55	4.96	0.00	4.96	19.15	3.30	0.00	3.30
16.60	4.92	0.00	4.92	19.20	3.29	0.00	3.29
16.65	4.88	0.00	4.88	19.25	3.28	0.00	3.28
16.70	4.84	0.00	4.84	19.30	3.27	0.00	3.27
16.75	4.80	0.00	4.80	19.35	3.26	0.00	3.26
16.80	4.76	0.00	4.76	19.40	3.25	0.00	3.25
16.85	4.72	0.00	4.72	19.45	3.24	0.00	3.24
16.90	4.69	0.00	4.69	19.50	3.23	0.00	3.23
16.95	4.65	0.00	4.65	19.55	3.23	0.00	3.23
17.00	4.61	0.00	4.61	19.60	3.22	0.00	3.22
17.05	4.57	0.00	4.57	19.65	3.21	0.00	3.21
17.10	4.53	0.00	4.53	19.70	3.20	0.00	3.20
17.15	4.49	0.00	4.49	19.75	3.19	0.00	3.19
17.20	4.45	0.00	4.45	19.80	3.18	0.00	3.18
17.25	4.41	0.00	4.41	19.85	3.17	0.00	3.17
17.30	4.37	0.00	4.37	19.90	3.16	0.00	3.16
17.35	4.33	0.00	4.33	19.95	3.15	0.00	3.15
17.40	4.29	0.00	4.29	20.00	3.14	0.00	3.14
17.45	4.25	0.00	4.25	20.05	3.13	0.00	3.13
17.50	4.21	0.00	4.21	20.10	3.12	0.00	3.12
17.55	4.17	0.00	4.17	20.15	3.11	0.00	3.11
17.60	4.13	0.00	4.13	20.20	3.10	0.00	3.10
17.65	4.09	0.00	4.09	20.25	3.09	0.00	3.09
17.70	4.05	0.00	4.05	20.30	3.08	0.00	3.08
17.75	4.01	0.00	4.01	20.35	3.07	0.00	3.07
17.80	3.97	0.00	3.97	20.40	3.06	0.00	3.06
17.85	3.93	0.00	3.93	20.45	3.05	0.00	3.05
17.90	3.89	0.00	3.89	20.50	3.04	0.00	3.04
17.95	3.85	0.00	3.85	20.55	3.03	0.00	3.03
18.00	3.81	0.00	3.81	20.60	3.02	0.00	3.02
18.05	3.77	0.00	3.77	20.65	3.01	0.00	3.01
18.10	3.73	0.00	3.73	20.70	3.00	0.00	3.00
18.15	3.69	0.00	3.69	20.75	2.99	0.00	2.99

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.99	0.00	2.99	23.40	2.45	0.00	2.45
20.85	2.98	0.00	2.98	23.45	2.44	0.00	2.44
20.90	2.97	0.00	2.97	23.50	2.43	0.00	2.43
20.95	2.96	0.00	2.96	23.55	2.42	0.00	2.42
21.00	2.94	0.00	2.94	23.60	2.41	0.00	2.41
21.05	2.93	0.00	2.93	23.65	2.40	0.00	2.40
21.10	2.92	0.00	2.92	23.70	2.39	0.00	2.39
21.15	2.91	0.00	2.91	23.75	2.38	0.00	2.38
21.20	2.90	0.00	2.90	23.80	2.37	0.00	2.37
21.25	2.89	0.00	2.89	23.85	2.36	0.00	2.36
21.30	2.88	0.00	2.88	23.90	2.35	0.00	2.35
21.35	2.87	0.00	2.87	23.95	2.34	0.00	2.34
21.40	2.86	0.00	2.86	24.00	2.34	0.00	2.34
21.45	2.85	0.00	2.85	24.05	2.34	0.00	2.34
21.50	2.85	0.00	2.85	24.10	2.34	0.00	2.34
21.55	2.84	0.00	2.84	24.15	2.29	0.00	2.29
21.60	2.82	0.00	2.82	24.20	2.18	0.00	2.18
21.65	2.81	0.00	2.81	24.25	1.96	0.00	1.96
21.70	2.80	0.00	2.80	24.30	1.68	0.00	1.68
21.75	2.79	0.00	2.79	24.35	1.38	0.00	1.38
21.80	2.78	0.00	2.78	24.40	1.09	0.00	1.09
21.85	2.77	0.00	2.77	24.45	0.83	0.00	0.83
21.90	2.76	0.00	2.76	24.50	0.62	0.00	0.62
21.95	2.75	0.00	2.75	24.55	0.46	0.00	0.46
22.00	2.74	0.00	2.74	24.60	0.35	0.00	0.35
22.05	2.73	0.00	2.73	24.65	0.27	0.00	0.27
22.10	2.72	0.00	2.72	24.70	0.20	0.00	0.20
22.15	2.71	0.00	2.71	24.75	0.15	0.00	0.15
22.20	2.70	0.00	2.70	24.80	0.11	0.00	0.11
22.25	2.69	0.00	2.69	24.85	0.08	0.00	0.08
22.30	2.68	0.00	2.68	24.90	0.06	0.00	0.06
22.35	2.67	0.00	2.67	24.95	0.05	0.00	0.05
22.40	2.66	0.00	2.66	25.00	0.03	0.00	0.03
22.45	2.65	0.00	2.65	25.05	0.03	0.00	0.03
22.50	2.64	0.00	2.64	25.10	0.02	0.00	0.02
22.55	2.63	0.00	2.63	25.15	0.01	0.00	0.01
22.60	2.62	0.00	2.62	25.20	0.01	0.00	0.01
22.65	2.61	0.00	2.61	25.25	0.01	0.00	0.01
22.70	2.60	0.00	2.60	25.30	0.00	0.00	0.00
22.75	2.59	0.00	2.59	25.35	0.00	0.00	0.00
22.80	2.58	0.00	2.58	25.40	0.00	0.00	0.00
22.85	2.57	0.00	2.57	25.45	0.00	0.00	0.00
22.90	2.56	0.00	2.56	25.50	0.00	0.00	0.00
22.95	2.55	0.00	2.55	25.55	0.00	0.00	0.00
23.00	2.54	0.00	2.54	25.60	0.00	0.00	0.00
23.05	2.53	0.00	2.53	25.65	0.00	0.00	0.00
23.10	2.52	0.00	2.52	25.70	0.00	0.00	0.00
23.15	2.51	0.00	2.51	25.75	0.00	0.00	0.00
23.20	2.50	0.00	2.50	25.80	0.00	0.00	0.00
23.25	2.49	0.00	2.49	25.85	0.00	0.00	0.00
23.30	2.48	0.00	2.48	25.90	0.00	0.00	0.00
23.35	2.47	0.00	2.47	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

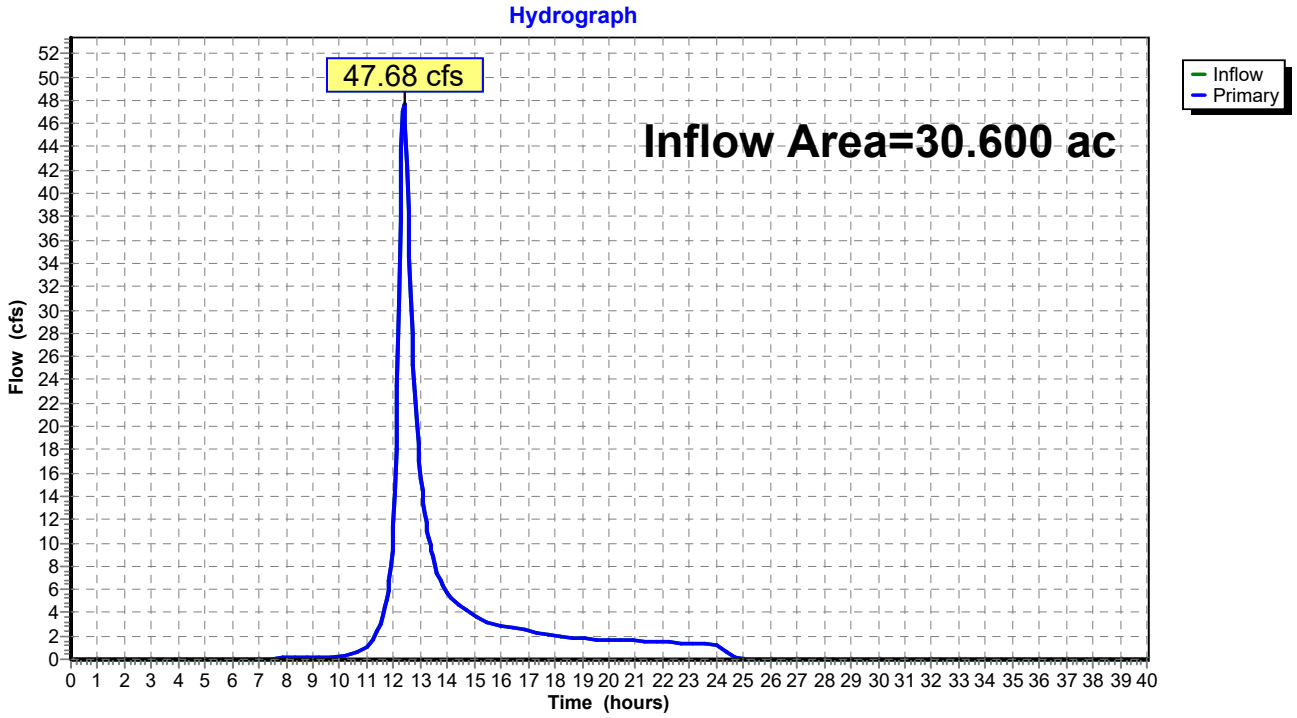
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.16" for Current 10 yr event
Inflow = 47.68 cfs @ 12.39 hrs, Volume= 5.499 af
Primary = 47.68 cfs @ 12.39 hrs, Volume= 5.499 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.03	0.00	0.03
0.85	0.00	0.00	0.00	3.45	0.03	0.00	0.03
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.01	0.00	0.01	4.30	0.04	0.00	0.04
1.75	0.01	0.00	0.01	4.35	0.04	0.00	0.04
1.80	0.01	0.00	0.01	4.40	0.04	0.00	0.04
1.85	0.01	0.00	0.01	4.45	0.04	0.00	0.04
1.90	0.01	0.00	0.01	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.04	0.00	0.04
2.10	0.02	0.00	0.02	4.70	0.04	0.00	0.04
2.15	0.02	0.00	0.02	4.75	0.04	0.00	0.04
2.20	0.02	0.00	0.02	4.80	0.04	0.00	0.04
2.25	0.02	0.00	0.02	4.85	0.04	0.00	0.04
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.02	0.00	0.02	5.00	0.05	0.00	0.05
2.45	0.02	0.00	0.02	5.05	0.05	0.00	0.05
2.50	0.02	0.00	0.02	5.10	0.05	0.00	0.05
2.55	0.02	0.00	0.02	5.15	0.05	0.00	0.05

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.08	0.00	0.08
5.45	0.05	0.00	0.05	8.05	0.08	0.00	0.08
5.50	0.05	0.00	0.05	8.10	0.08	0.00	0.08
5.55	0.05	0.00	0.05	8.15	0.08	0.00	0.08
5.60	0.05	0.00	0.05	8.20	0.08	0.00	0.08
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.09	0.00	0.09
6.05	0.05	0.00	0.05	8.65	0.09	0.00	0.09
6.10	0.05	0.00	0.05	8.70	0.09	0.00	0.09
6.15	0.05	0.00	0.05	8.75	0.09	0.00	0.09
6.20	0.05	0.00	0.05	8.80	0.09	0.00	0.09
6.25	0.05	0.00	0.05	8.85	0.09	0.00	0.09
6.30	0.05	0.00	0.05	8.90	0.10	0.00	0.10
6.35	0.05	0.00	0.05	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.10	0.00	0.10
6.60	0.06	0.00	0.06	9.20	0.10	0.00	0.10
6.65	0.06	0.00	0.06	9.25	0.10	0.00	0.10
6.70	0.06	0.00	0.06	9.30	0.10	0.00	0.10
6.75	0.06	0.00	0.06	9.35	0.11	0.00	0.11
6.80	0.06	0.00	0.06	9.40	0.11	0.00	0.11
6.85	0.06	0.00	0.06	9.45	0.11	0.00	0.11
6.90	0.06	0.00	0.06	9.50	0.11	0.00	0.11
6.95	0.06	0.00	0.06	9.55	0.12	0.00	0.12
7.00	0.06	0.00	0.06	9.60	0.12	0.00	0.12
7.05	0.07	0.00	0.07	9.65	0.12	0.00	0.12
7.10	0.07	0.00	0.07	9.70	0.12	0.00	0.12
7.15	0.07	0.00	0.07	9.75	0.13	0.00	0.13
7.20	0.07	0.00	0.07	9.80	0.13	0.00	0.13
7.25	0.07	0.00	0.07	9.85	0.13	0.00	0.13
7.30	0.07	0.00	0.07	9.90	0.14	0.00	0.14
7.35	0.07	0.00	0.07	9.95	0.15	0.00	0.15
7.40	0.07	0.00	0.07	10.00	0.16	0.00	0.16
7.45	0.07	0.00	0.07	10.05	0.18	0.00	0.18
7.50	0.07	0.00	0.07	10.10	0.20	0.00	0.20
7.55	0.07	0.00	0.07	10.15	0.22	0.00	0.22
7.60	0.07	0.00	0.07	10.20	0.25	0.00	0.25
7.65	0.08	0.00	0.08	10.25	0.28	0.00	0.28
7.70	0.08	0.00	0.08	10.30	0.31	0.00	0.31
7.75	0.08	0.00	0.08	10.35	0.34	0.00	0.34

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.38	0.00	0.38	13.00	15.55	0.00	15.55
10.45	0.42	0.00	0.42	13.05	14.40	0.00	14.40
10.50	0.46	0.00	0.46	13.10	13.41	0.00	13.41
10.55	0.50	0.00	0.50	13.15	12.54	0.00	12.54
10.60	0.55	0.00	0.55	13.20	11.75	0.00	11.75
10.65	0.60	0.00	0.60	13.25	11.04	0.00	11.04
10.70	0.65	0.00	0.65	13.30	10.40	0.00	10.40
10.75	0.71	0.00	0.71	13.35	9.82	0.00	9.82
10.80	0.77	0.00	0.77	13.40	9.29	0.00	9.29
10.85	0.85	0.00	0.85	13.45	8.81	0.00	8.81
10.90	0.93	0.00	0.93	13.50	8.37	0.00	8.37
10.95	1.02	0.00	1.02	13.55	7.98	0.00	7.98
11.00	1.12	0.00	1.12	13.60	7.61	0.00	7.61
11.05	1.23	0.00	1.23	13.65	7.28	0.00	7.28
11.10	1.35	0.00	1.35	13.70	6.95	0.00	6.95
11.15	1.48	0.00	1.48	13.75	6.65	0.00	6.65
11.20	1.62	0.00	1.62	13.80	6.37	0.00	6.37
11.25	1.79	0.00	1.79	13.85	6.12	0.00	6.12
11.30	1.97	0.00	1.97	13.90	5.90	0.00	5.90
11.35	2.17	0.00	2.17	13.95	5.72	0.00	5.72
11.40	2.39	0.00	2.39	14.00	5.56	0.00	5.56
11.45	2.64	0.00	2.64	14.05	5.42	0.00	5.42
11.50	2.90	0.00	2.90	14.10	5.30	0.00	5.30
11.55	3.19	0.00	3.19	14.15	5.19	0.00	5.19
11.60	3.52	0.00	3.52	14.20	5.09	0.00	5.09
11.65	3.93	0.00	3.93	14.25	5.00	0.00	5.00
11.70	4.44	0.00	4.44	14.30	4.91	0.00	4.91
11.75	5.08	0.00	5.08	14.35	4.82	0.00	4.82
11.80	5.85	0.00	5.85	14.40	4.74	0.00	4.74
11.85	6.78	0.00	6.78	14.45	4.66	0.00	4.66
11.90	7.92	0.00	7.92	14.50	4.58	0.00	4.58
11.95	9.39	0.00	9.39	14.55	4.50	0.00	4.50
12.00	11.37	0.00	11.37	14.60	4.42	0.00	4.42
12.05	14.08	0.00	14.08	14.65	4.34	0.00	4.34
12.10	18.02	0.00	18.02	14.70	4.27	0.00	4.27
12.15	23.53	0.00	23.53	14.75	4.19	0.00	4.19
12.20	30.42	0.00	30.42	14.80	4.11	0.00	4.11
12.25	37.68	0.00	37.68	14.85	4.03	0.00	4.03
12.30	43.74	0.00	43.74	14.90	3.95	0.00	3.95
12.35	47.09	0.00	47.09	14.95	3.88	0.00	3.88
12.40	**47.60**	0.00	**47.60**	15.00	3.80	0.00	3.80
12.45	45.91	0.00	45.91	15.05	3.72	0.00	3.72
12.50	42.63	0.00	42.63	15.10	3.64	0.00	3.64
12.55	38.56	0.00	38.56	15.15	3.57	0.00	3.57
12.60	34.54	0.00	34.54	15.20	3.49	0.00	3.49
12.65	31.07	0.00	31.07	15.25	3.41	0.00	3.41
12.70	28.00	0.00	28.00	15.30	3.34	0.00	3.34
12.75	25.20	0.00	25.20	15.35	3.28	0.00	3.28
12.80	22.68	0.00	22.68	15.40	3.22	0.00	3.22
12.85	20.48	0.00	20.48	15.45	3.17	0.00	3.17
12.90	18.57	0.00	18.57	15.50	3.13	0.00	3.13
12.95	16.93	0.00	16.93	15.55	3.09	0.00	3.09

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.06	0.00	3.06	18.20	1.94	0.00	1.94
15.65	3.03	0.00	3.03	18.25	1.92	0.00	1.92
15.70	3.01	0.00	3.01	18.30	1.90	0.00	1.90
15.75	2.98	0.00	2.98	18.35	1.89	0.00	1.89
15.80	2.96	0.00	2.96	18.40	1.87	0.00	1.87
15.85	2.93	0.00	2.93	18.45	1.86	0.00	1.86
15.90	2.91	0.00	2.91	18.50	1.85	0.00	1.85
15.95	2.89	0.00	2.89	18.55	1.84	0.00	1.84
16.00	2.87	0.00	2.87	18.60	1.83	0.00	1.83
16.05	2.85	0.00	2.85	18.65	1.82	0.00	1.82
16.10	2.83	0.00	2.83	18.70	1.81	0.00	1.81
16.15	2.81	0.00	2.81	18.75	1.81	0.00	1.81
16.20	2.79	0.00	2.79	18.80	1.80	0.00	1.80
16.25	2.77	0.00	2.77	18.85	1.79	0.00	1.79
16.30	2.75	0.00	2.75	18.90	1.79	0.00	1.79
16.35	2.73	0.00	2.73	18.95	1.78	0.00	1.78
16.40	2.71	0.00	2.71	19.00	1.78	0.00	1.78
16.45	2.68	0.00	2.68	19.05	1.77	0.00	1.77
16.50	2.66	0.00	2.66	19.10	1.77	0.00	1.77
16.55	2.64	0.00	2.64	19.15	1.76	0.00	1.76
16.60	2.62	0.00	2.62	19.20	1.76	0.00	1.76
16.65	2.60	0.00	2.60	19.25	1.75	0.00	1.75
16.70	2.58	0.00	2.58	19.30	1.75	0.00	1.75
16.75	2.56	0.00	2.56	19.35	1.74	0.00	1.74
16.80	2.54	0.00	2.54	19.40	1.74	0.00	1.74
16.85	2.52	0.00	2.52	19.45	1.73	0.00	1.73
16.90	2.50	0.00	2.50	19.50	1.72	0.00	1.72
16.95	2.48	0.00	2.48	19.55	1.72	0.00	1.72
17.00	2.45	0.00	2.45	19.60	1.71	0.00	1.71
17.05	2.43	0.00	2.43	19.65	1.71	0.00	1.71
17.10	2.41	0.00	2.41	19.70	1.70	0.00	1.70
17.15	2.39	0.00	2.39	19.75	1.70	0.00	1.70
17.20	2.37	0.00	2.37	19.80	1.69	0.00	1.69
17.25	2.35	0.00	2.35	19.85	1.69	0.00	1.69
17.30	2.33	0.00	2.33	19.90	1.68	0.00	1.68
17.35	2.31	0.00	2.31	19.95	1.68	0.00	1.68
17.40	2.29	0.00	2.29	20.00	1.68	0.00	1.68
17.45	2.27	0.00	2.27	20.05	1.67	0.00	1.67
17.50	2.24	0.00	2.24	20.10	1.67	0.00	1.67
17.55	2.22	0.00	2.22	20.15	1.66	0.00	1.66
17.60	2.20	0.00	2.20	20.20	1.65	0.00	1.65
17.65	2.18	0.00	2.18	20.25	1.65	0.00	1.65
17.70	2.16	0.00	2.16	20.30	1.64	0.00	1.64
17.75	2.14	0.00	2.14	20.35	1.64	0.00	1.64
17.80	2.12	0.00	2.12	20.40	1.63	0.00	1.63
17.85	2.09	0.00	2.09	20.45	1.63	0.00	1.63
17.90	2.07	0.00	2.07	20.50	1.62	0.00	1.62
17.95	2.05	0.00	2.05	20.55	1.62	0.00	1.62
18.00	2.03	0.00	2.03	20.60	1.61	0.00	1.61
18.05	2.01	0.00	2.01	20.65	1.61	0.00	1.61
18.10	1.99	0.00	1.99	20.70	1.60	0.00	1.60
18.15	1.96	0.00	1.96	20.75	1.60	0.00	1.60

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.59	0.00	1.59	23.40	1.31	0.00	1.31
20.85	1.59	0.00	1.59	23.45	1.30	0.00	1.30
20.90	1.58	0.00	1.58	23.50	1.30	0.00	1.30
20.95	1.58	0.00	1.58	23.55	1.29	0.00	1.29
21.00	1.57	0.00	1.57	23.60	1.29	0.00	1.29
21.05	1.56	0.00	1.56	23.65	1.28	0.00	1.28
21.10	1.56	0.00	1.56	23.70	1.28	0.00	1.28
21.15	1.55	0.00	1.55	23.75	1.27	0.00	1.27
21.20	1.55	0.00	1.55	23.80	1.27	0.00	1.27
21.25	1.54	0.00	1.54	23.85	1.26	0.00	1.26
21.30	1.54	0.00	1.54	23.90	1.25	0.00	1.25
21.35	1.53	0.00	1.53	23.95	1.25	0.00	1.25
21.40	1.53	0.00	1.53	24.00	1.25	0.00	1.25
21.45	1.52	0.00	1.52	24.05	1.25	0.00	1.25
21.50	1.52	0.00	1.52	24.10	1.25	0.00	1.25
21.55	1.51	0.00	1.51	24.15	1.22	0.00	1.22
21.60	1.51	0.00	1.51	24.20	1.16	0.00	1.16
21.65	1.50	0.00	1.50	24.25	1.05	0.00	1.05
21.70	1.50	0.00	1.50	24.30	0.90	0.00	0.90
21.75	1.49	0.00	1.49	24.35	0.74	0.00	0.74
21.80	1.48	0.00	1.48	24.40	0.58	0.00	0.58
21.85	1.48	0.00	1.48	24.45	0.44	0.00	0.44
21.90	1.47	0.00	1.47	24.50	0.33	0.00	0.33
21.95	1.47	0.00	1.47	24.55	0.25	0.00	0.25
22.00	1.46	0.00	1.46	24.60	0.19	0.00	0.19
22.05	1.46	0.00	1.46	24.65	0.14	0.00	0.14
22.10	1.45	0.00	1.45	24.70	0.11	0.00	0.11
22.15	1.45	0.00	1.45	24.75	0.08	0.00	0.08
22.20	1.44	0.00	1.44	24.80	0.06	0.00	0.06
22.25	1.44	0.00	1.44	24.85	0.05	0.00	0.05
22.30	1.43	0.00	1.43	24.90	0.03	0.00	0.03
22.35	1.43	0.00	1.43	24.95	0.03	0.00	0.03
22.40	1.42	0.00	1.42	25.00	0.02	0.00	0.02
22.45	1.41	0.00	1.41	25.05	0.01	0.00	0.01
22.50	1.41	0.00	1.41	25.10	0.01	0.00	0.01
22.55	1.40	0.00	1.40	25.15	0.01	0.00	0.01
22.60	1.40	0.00	1.40	25.20	0.01	0.00	0.01
22.65	1.39	0.00	1.39	25.25	0.00	0.00	0.00
22.70	1.39	0.00	1.39	25.30	0.00	0.00	0.00
22.75	1.38	0.00	1.38	25.35	0.00	0.00	0.00
22.80	1.38	0.00	1.38	25.40	0.00	0.00	0.00
22.85	1.37	0.00	1.37	25.45	0.00	0.00	0.00
22.90	1.37	0.00	1.37	25.50	0.00	0.00	0.00
22.95	1.36	0.00	1.36	25.55	0.00	0.00	0.00
23.00	1.35	0.00	1.35	25.60	0.00	0.00	0.00
23.05	1.35	0.00	1.35	25.65	0.00	0.00	0.00
23.10	1.34	0.00	1.34	25.70	0.00	0.00	0.00
23.15	1.34	0.00	1.34	25.75	0.00	0.00	0.00
23.20	1.33	0.00	1.33	25.80	0.00	0.00	0.00
23.25	1.33	0.00	1.33	25.85	0.00	0.00	0.00
23.30	1.32	0.00	1.32	25.90	0.00	0.00	0.00
23.35	1.31	0.00	1.31	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

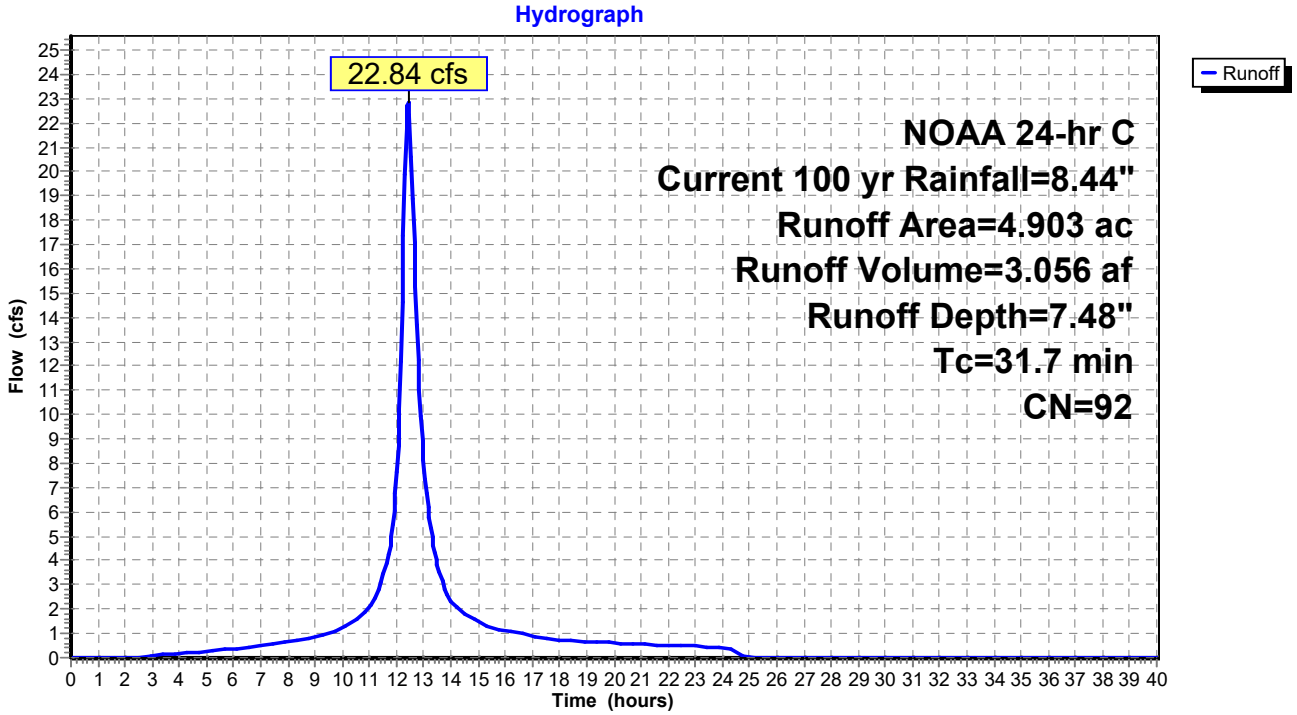
Runoff = 22.84 cfs @ 12.43 hrs, Volume= 3.056 af, Depth= 7.48"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.01	0.03
0.05	0.01	0.00	0.00	2.65	0.26	0.01	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.01	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.01	0.05
0.20	0.02	0.00	0.00	2.80	0.28	0.01	0.05
0.25	0.02	0.00	0.00	2.85	0.28	0.01	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.01	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.01	0.07
0.40	0.04	0.00	0.00	3.00	0.30	0.02	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.02	0.08
0.50	0.05	0.00	0.00	3.10	0.31	0.02	0.09
0.55	0.05	0.00	0.00	3.15	0.31	0.02	0.09
0.60	0.06	0.00	0.00	3.20	0.32	0.02	0.10
0.65	0.06	0.00	0.00	3.25	0.33	0.02	0.10
0.70	0.06	0.00	0.00	3.30	0.33	0.02	0.11
0.75	0.07	0.00	0.00	3.35	0.34	0.03	0.11
0.80	0.07	0.00	0.00	3.40	0.34	0.03	0.12
0.85	0.08	0.00	0.00	3.45	0.35	0.03	0.12
0.90	0.08	0.00	0.00	3.50	0.35	0.03	0.13
0.95	0.09	0.00	0.00	3.55	0.36	0.03	0.13
1.00	0.09	0.00	0.00	3.60	0.37	0.03	0.14
1.05	0.10	0.00	0.00	3.65	0.37	0.04	0.14
1.10	0.10	0.00	0.00	3.70	0.38	0.04	0.15
1.15	0.11	0.00	0.00	3.75	0.38	0.04	0.15
1.20	0.11	0.00	0.00	3.80	0.39	0.04	0.16
1.25	0.12	0.00	0.00	3.85	0.40	0.04	0.17
1.30	0.12	0.00	0.00	3.90	0.40	0.05	0.17
1.35	0.13	0.00	0.00	3.95	0.41	0.05	0.17
1.40	0.13	0.00	0.00	4.00	0.41	0.05	0.18
1.45	0.14	0.00	0.00	4.05	0.42	0.05	0.18
1.50	0.14	0.00	0.00	4.10	0.43	0.06	0.19
1.55	0.15	0.00	0.00	4.15	0.43	0.06	0.19
1.60	0.15	0.00	0.00	4.20	0.44	0.06	0.20
1.65	0.16	0.00	0.00	4.25	0.44	0.06	0.20
1.70	0.16	0.00	0.00	4.30	0.45	0.07	0.21
1.75	0.17	0.00	0.00	4.35	0.46	0.07	0.21
1.80	0.17	0.00	0.00	4.40	0.46	0.07	0.22
1.85	0.18	0.00	0.00	4.45	0.47	0.07	0.22
1.90	0.18	0.00	0.00	4.50	0.47	0.08	0.23
1.95	0.19	0.00	0.00	4.55	0.48	0.08	0.23
2.00	0.19	0.00	0.00	4.60	0.49	0.08	0.24
2.05	0.20	0.00	0.00	4.65	0.49	0.09	0.24
2.10	0.20	0.00	0.00	4.70	0.50	0.09	0.25
2.15	0.21	0.00	0.00	4.75	0.51	0.09	0.25
2.20	0.21	0.00	0.00	4.80	0.51	0.09	0.26
2.25	0.22	0.00	0.01	4.85	0.52	0.10	0.26
2.30	0.22	0.00	0.01	4.90	0.52	0.10	0.27
2.35	0.23	0.00	0.01	4.95	0.53	0.10	0.27
2.40	0.23	0.00	0.02	5.00	0.54	0.11	0.27
2.45	0.24	0.00	0.02	5.05	0.54	0.11	0.28
2.50	0.24	0.01	0.02	5.10	0.55	0.11	0.28
2.55	0.25	0.01	0.03	5.15	0.56	0.12	0.29

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.12	0.29	7.80	0.97	0.38	0.62
5.25	0.57	0.12	0.30	7.85	0.98	0.39	0.63
5.30	0.58	0.13	0.30	7.90	0.99	0.40	0.64
5.35	0.58	0.13	0.31	7.95	1.00	0.40	0.65
5.40	0.59	0.13	0.31	8.00	1.01	0.41	0.66
5.45	0.60	0.14	0.31	8.05	1.02	0.42	0.67
5.50	0.60	0.14	0.32	8.10	1.03	0.43	0.68
5.55	0.61	0.14	0.32	8.15	1.04	0.43	0.69
5.60	0.62	0.15	0.33	8.20	1.05	0.44	0.70
5.65	0.62	0.15	0.33	8.25	1.06	0.45	0.71
5.70	0.63	0.16	0.34	8.30	1.07	0.46	0.71
5.75	0.64	0.16	0.34	8.35	1.08	0.47	0.72
5.80	0.64	0.16	0.34	8.40	1.10	0.47	0.73
5.85	0.65	0.17	0.35	8.45	1.11	0.48	0.74
5.90	0.66	0.17	0.35	8.50	1.12	0.49	0.75
5.95	0.66	0.18	0.36	8.55	1.13	0.50	0.76
6.00	0.67	0.18	0.36	8.60	1.14	0.51	0.77
6.05	0.68	0.18	0.36	8.65	1.15	0.52	0.78
6.10	0.68	0.19	0.37	8.70	1.16	0.53	0.79
6.15	0.69	0.19	0.37	8.75	1.17	0.54	0.80
6.20	0.70	0.20	0.38	8.80	1.19	0.54	0.81
6.25	0.70	0.20	0.38	8.85	1.20	0.55	0.82
6.30	0.71	0.21	0.39	8.90	1.21	0.56	0.83
6.35	0.72	0.21	0.39	8.95	1.22	0.57	0.84
6.40	0.73	0.21	0.40	9.00	1.23	0.58	0.85
6.45	0.73	0.22	0.40	9.05	1.25	0.59	0.85
6.50	0.74	0.22	0.41	9.10	1.26	0.60	0.86
6.55	0.75	0.23	0.42	9.15	1.27	0.61	0.87
6.60	0.76	0.23	0.42	9.20	1.28	0.62	0.89
6.65	0.77	0.24	0.43	9.25	1.30	0.63	0.90
6.70	0.77	0.24	0.44	9.30	1.31	0.64	0.91
6.75	0.78	0.25	0.45	9.35	1.33	0.66	0.93
6.80	0.79	0.26	0.45	9.40	1.34	0.67	0.95
6.85	0.80	0.26	0.46	9.45	1.35	0.68	0.97
6.90	0.81	0.27	0.47	9.50	1.37	0.69	0.99
6.95	0.81	0.27	0.48	9.55	1.39	0.71	1.01
7.00	0.82	0.28	0.49	9.60	1.40	0.72	1.04
7.05	0.83	0.28	0.49	9.65	1.42	0.73	1.06
7.10	0.84	0.29	0.50	9.70	1.43	0.75	1.09
7.15	0.85	0.30	0.51	9.75	1.45	0.76	1.11
7.20	0.86	0.30	0.52	9.80	1.47	0.77	1.14
7.25	0.87	0.31	0.53	9.85	1.49	0.79	1.17
7.30	0.88	0.31	0.54	9.90	1.50	0.80	1.20
7.35	0.89	0.32	0.55	9.95	1.52	0.82	1.23
7.40	0.89	0.33	0.55	10.00	1.54	0.83	1.26
7.45	0.90	0.33	0.56	10.05	1.56	0.85	1.28
7.50	0.91	0.34	0.57	10.10	1.58	0.87	1.31
7.55	0.92	0.35	0.58	10.15	1.60	0.88	1.34
7.60	0.93	0.35	0.59	10.20	1.62	0.90	1.37
7.65	0.94	0.36	0.60	10.25	1.64	0.92	1.40
7.70	0.95	0.37	0.61	10.30	1.66	0.93	1.43
7.75	0.96	0.37	0.61	10.35	1.68	0.95	1.47

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.97	1.50	13.00	6.41	5.48	8.12
10.45	1.72	0.99	1.53	13.05	6.45	5.51	7.39
10.50	1.74	1.01	1.56	13.10	6.48	5.54	6.75
10.55	1.76	1.03	1.59	13.15	6.51	5.57	6.21
10.60	1.79	1.05	1.62	13.20	6.54	5.60	5.74
10.65	1.81	1.07	1.66	13.25	6.57	5.63	5.32
10.70	1.84	1.09	1.69	13.30	6.60	5.66	4.95
10.75	1.87	1.12	1.74	13.35	6.63	5.69	4.62
10.80	1.90	1.14	1.79	13.40	6.65	5.71	4.32
10.85	1.93	1.17	1.85	13.45	6.68	5.74	4.05
10.90	1.96	1.20	1.91	13.50	6.70	5.76	3.82
10.95	1.99	1.23	1.99	13.55	6.72	5.78	3.60
11.00	2.03	1.26	2.07	13.60	6.74	5.80	3.41
11.05	2.06	1.29	2.16	13.65	6.76	5.82	3.22
11.10	2.10	1.33	2.26	13.70	6.78	5.84	3.06
11.15	2.14	1.37	2.36	13.75	6.80	5.86	2.90
11.20	2.19	1.41	2.47	13.80	6.82	5.88	2.75
11.25	2.23	1.45	2.59	13.85	6.84	5.90	2.62
11.30	2.28	1.49	2.72	13.90	6.86	5.92	2.50
11.35	2.33	1.54	2.86	13.95	6.88	5.94	2.40
11.40	2.38	1.59	3.01	14.00	6.90	5.96	2.32
11.45	2.44	1.64	3.18	14.05	6.92	5.98	2.24
11.50	2.49	1.69	3.36	14.10	6.94	5.99	2.17
11.55	2.58	1.77	3.54	14.15	6.95	6.01	2.11
11.60	2.66	1.85	3.74	14.20	6.97	6.03	2.06
11.65	2.75	1.93	3.98	14.25	6.99	6.04	2.01
11.70	2.84	2.01	4.25	14.30	7.01	6.06	1.97
11.75	2.97	2.13	4.59	14.35	7.02	6.08	1.93
11.80	3.09	2.25	5.00	14.40	7.04	6.09	1.89
11.85	3.26	2.41	5.48	14.45	7.05	6.11	1.85
11.90	3.43	2.57	6.05	14.50	7.07	6.12	1.81
11.95	3.73	2.85	6.74	14.55	7.09	6.14	1.78
12.00	4.02	3.14	7.61	14.60	7.10	6.15	1.75
12.05	4.52	3.62	8.73	14.65	7.11	6.17	1.71
12.10	5.01	4.10	10.23	14.70	7.13	6.18	1.68
12.15	5.18	4.26	12.21	14.75	7.14	6.20	1.65
12.20	5.35	4.43	14.66	14.80	7.16	6.21	1.61
12.25	5.47	4.55	17.33	14.85	7.17	6.22	1.58
12.30	5.60	4.67	19.86	14.90	7.18	6.23	1.55
12.35	5.69	4.76	21.78	14.95	7.19	6.25	1.52
12.40	5.78	4.85	22.72	15.00	7.21	6.26	1.49
12.45	5.86	4.93	**22.76**	15.05	7.22	6.27	1.46
12.50	5.95	5.02	21.99	15.10	7.23	6.28	1.43
12.55	6.00	5.07	20.62	15.15	7.24	6.29	1.40
12.60	6.06	5.12	18.91	15.20	7.25	6.31	1.37
12.65	6.11	5.18	17.06	15.25	7.27	6.32	1.34
12.70	6.16	5.23	15.26	15.30	7.28	6.33	1.31
12.75	6.21	5.27	13.68	15.35	7.29	6.34	1.28
12.80	6.25	5.32	12.28	15.40	7.30	6.35	1.25
12.85	6.30	5.36	11.04	15.45	7.31	6.36	1.23
12.90	6.34	5.40	9.93	15.50	7.32	6.37	1.21
12.95	6.38	5.44	8.96	15.55	7.33	6.38	1.19

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	6.39	1.18	18.20	7.80	6.84	0.72
15.65	7.36	6.41	1.16	18.25	7.80	6.85	0.71
15.70	7.37	6.42	1.15	18.30	7.81	6.86	0.70
15.75	7.38	6.43	1.14	18.35	7.82	6.86	0.70
15.80	7.39	6.44	1.12	18.40	7.82	6.87	0.69
15.85	7.40	6.45	1.11	18.45	7.83	6.88	0.68
15.90	7.41	6.46	1.10	18.50	7.84	6.88	0.68
15.95	7.42	6.47	1.09	18.55	7.84	6.89	0.67
16.00	7.43	6.48	1.08	18.60	7.85	6.90	0.67
16.05	7.44	6.49	1.08	18.65	7.86	6.90	0.67
16.10	7.45	6.50	1.07	18.70	7.86	6.91	0.66
16.15	7.46	6.51	1.06	18.75	7.87	6.92	0.66
16.20	7.47	6.52	1.05	18.80	7.88	6.92	0.66
16.25	7.48	6.53	1.04	18.85	7.88	6.93	0.65
16.30	7.49	6.54	1.03	18.90	7.89	6.93	0.65
16.35	7.50	6.55	1.02	18.95	7.90	6.94	0.65
16.40	7.51	6.56	1.02	19.00	7.90	6.95	0.65
16.45	7.52	6.57	1.01	19.05	7.91	6.95	0.64
16.50	7.53	6.58	1.00	19.10	7.92	6.96	0.64
16.55	7.54	6.58	0.99	19.15	7.92	6.97	0.64
16.60	7.55	6.59	0.98	19.20	7.93	6.97	0.64
16.65	7.55	6.60	0.97	19.25	7.93	6.98	0.64
16.70	7.56	6.61	0.97	19.30	7.94	6.99	0.63
16.75	7.57	6.62	0.96	19.35	7.95	6.99	0.63
16.80	7.58	6.63	0.95	19.40	7.95	7.00	0.63
16.85	7.59	6.64	0.94	19.45	7.96	7.00	0.63
16.90	7.60	6.65	0.93	19.50	7.97	7.01	0.63
16.95	7.61	6.66	0.93	19.55	7.97	7.02	0.62
17.00	7.62	6.66	0.92	19.60	7.98	7.02	0.62
17.05	7.63	6.67	0.91	19.65	7.98	7.03	0.62
17.10	7.63	6.68	0.90	19.70	7.99	7.03	0.62
17.15	7.64	6.69	0.89	19.75	8.00	7.04	0.62
17.20	7.65	6.70	0.88	19.80	8.00	7.05	0.61
17.25	7.66	6.71	0.88	19.85	8.01	7.05	0.61
17.30	7.67	6.71	0.87	19.90	8.01	7.06	0.61
17.35	7.67	6.72	0.86	19.95	8.02	7.06	0.61
17.40	7.68	6.73	0.85	20.00	8.03	7.07	0.61
17.45	7.69	6.74	0.84	20.05	8.03	7.08	0.60
17.50	7.70	6.74	0.84	20.10	8.04	7.08	0.60
17.55	7.71	6.75	0.83	20.15	8.04	7.09	0.60
17.60	7.71	6.76	0.82	20.20	8.05	7.09	0.60
17.65	7.72	6.77	0.81	20.25	8.06	7.10	0.60
17.70	7.73	6.77	0.80	20.30	8.06	7.11	0.59
17.75	7.74	6.78	0.79	20.35	8.07	7.11	0.59
17.80	7.74	6.79	0.79	20.40	8.07	7.12	0.59
17.85	7.75	6.80	0.78	20.45	8.08	7.12	0.59
17.90	7.76	6.80	0.77	20.50	8.09	7.13	0.58
17.95	7.76	6.81	0.76	20.55	8.09	7.13	0.58
18.00	7.77	6.82	0.75	20.60	8.10	7.14	0.58
18.05	7.78	6.82	0.75	20.65	8.10	7.15	0.58
18.10	7.78	6.83	0.74	20.70	8.11	7.15	0.58
18.15	7.79	6.84	0.73	20.75	8.11	7.16	0.57

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.16	0.57	23.40	8.38	7.42	0.47
20.85	8.13	7.17	0.57	23.45	8.39	7.43	0.46
20.90	8.13	7.17	0.57	23.50	8.39	7.43	0.46
20.95	8.14	7.18	0.57	23.55	8.40	7.44	0.46
21.00	8.14	7.18	0.56	23.60	8.40	7.44	0.46
21.05	8.15	7.19	0.56	23.65	8.41	7.45	0.46
21.10	8.15	7.20	0.56	23.70	8.41	7.45	0.45
21.15	8.16	7.20	0.56	23.75	8.42	7.46	0.45
21.20	8.16	7.21	0.56	23.80	8.42	7.46	0.45
21.25	8.17	7.21	0.55	23.85	8.42	7.46	0.45
21.30	8.18	7.22	0.55	23.90	8.43	7.47	0.45
21.35	8.18	7.22	0.55	23.95	8.43	7.47	0.44
21.40	8.19	7.23	0.55	24.00	**8.44**	**7.48**	0.44
21.45	8.19	7.23	0.55	24.05	8.44	7.48	0.44
21.50	8.20	7.24	0.54	24.10	8.44	7.48	0.44
21.55	8.20	7.24	0.54	24.15	8.44	7.48	0.43
21.60	8.21	7.25	0.54	24.20	8.44	7.48	0.42
21.65	8.21	7.25	0.54	24.25	8.44	7.48	0.40
21.70	8.22	7.26	0.54	24.30	8.44	7.48	0.37
21.75	8.22	7.26	0.53	24.35	8.44	7.48	0.33
21.80	8.23	7.27	0.53	24.40	8.44	7.48	0.28
21.85	8.23	7.27	0.53	24.45	8.44	7.48	0.23
21.90	8.24	7.28	0.53	24.50	8.44	7.48	0.19
21.95	8.24	7.29	0.53	24.55	8.44	7.48	0.15
22.00	8.25	7.29	0.52	24.60	8.44	7.48	0.12
22.05	8.25	7.30	0.52	24.65	8.44	7.48	0.09
22.10	8.26	7.30	0.52	24.70	8.44	7.48	0.07
22.15	8.26	7.31	0.52	24.75	8.44	7.48	0.06
22.20	8.27	7.31	0.52	24.80	8.44	7.48	0.05
22.25	8.27	7.32	0.51	24.85	8.44	7.48	0.04
22.30	8.28	7.32	0.51	24.90	8.44	7.48	0.03
22.35	8.28	7.33	0.51	24.95	8.44	7.48	0.02
22.40	8.29	7.33	0.51	25.00	8.44	7.48	0.02
22.45	8.29	7.34	0.50	25.05	8.44	7.48	0.01
22.50	8.30	7.34	0.50	25.10	8.44	7.48	0.01
22.55	8.30	7.34	0.50	25.15	8.44	7.48	0.01
22.60	8.31	7.35	0.50	25.20	8.44	7.48	0.01
22.65	8.31	7.35	0.50	25.25	8.44	7.48	0.01
22.70	8.32	7.36	0.49	25.30	8.44	7.48	0.00
22.75	8.32	7.36	0.49	25.35	8.44	7.48	0.00
22.80	8.33	7.37	0.49	25.40	8.44	7.48	0.00
22.85	8.33	7.37	0.49	25.45	8.44	7.48	0.00
22.90	8.34	7.38	0.49	25.50	8.44	7.48	0.00
22.95	8.34	7.38	0.48	25.55	8.44	7.48	0.00
23.00	8.35	7.39	0.48	25.60	8.44	7.48	0.00
23.05	8.35	7.39	0.48	25.65	8.44	7.48	0.00
23.10	8.36	7.40	0.48	25.70	8.44	7.48	0.00
23.15	8.36	7.40	0.48	25.75	8.44	7.48	0.00
23.20	8.37	7.41	0.47	25.80	8.44	7.48	0.00
23.25	8.37	7.41	0.47	25.85	8.44	7.48	0.00
23.30	8.38	7.42	0.47	25.90	8.44	7.48	0.00
23.35	8.38	7.42	0.47	25.95	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	7.48	0.00	28.60	8.44	7.48	0.00
26.05	8.44	7.48	0.00	28.65	8.44	7.48	0.00
26.10	8.44	7.48	0.00	28.70	8.44	7.48	0.00
26.15	8.44	7.48	0.00	28.75	8.44	7.48	0.00
26.20	8.44	7.48	0.00	28.80	8.44	7.48	0.00
26.25	8.44	7.48	0.00	28.85	8.44	7.48	0.00
26.30	8.44	7.48	0.00	28.90	8.44	7.48	0.00
26.35	8.44	7.48	0.00	28.95	8.44	7.48	0.00
26.40	8.44	7.48	0.00	29.00	8.44	7.48	0.00
26.45	8.44	7.48	0.00	29.05	8.44	7.48	0.00
26.50	8.44	7.48	0.00	29.10	8.44	7.48	0.00
26.55	8.44	7.48	0.00	29.15	8.44	7.48	0.00
26.60	8.44	7.48	0.00	29.20	8.44	7.48	0.00
26.65	8.44	7.48	0.00	29.25	8.44	7.48	0.00
26.70	8.44	7.48	0.00	29.30	8.44	7.48	0.00
26.75	8.44	7.48	0.00	29.35	8.44	7.48	0.00
26.80	8.44	7.48	0.00	29.40	8.44	7.48	0.00
26.85	8.44	7.48	0.00	29.45	8.44	7.48	0.00
26.90	8.44	7.48	0.00	29.50	8.44	7.48	0.00
26.95	8.44	7.48	0.00	29.55	8.44	7.48	0.00
27.00	8.44	7.48	0.00	29.60	8.44	7.48	0.00
27.05	8.44	7.48	0.00	29.65	8.44	7.48	0.00
27.10	8.44	7.48	0.00	29.70	8.44	7.48	0.00
27.15	8.44	7.48	0.00	29.75	8.44	7.48	0.00
27.20	8.44	7.48	0.00	29.80	8.44	7.48	0.00
27.25	8.44	7.48	0.00	29.85	8.44	7.48	0.00
27.30	8.44	7.48	0.00	29.90	8.44	7.48	0.00
27.35	8.44	7.48	0.00	29.95	8.44	7.48	0.00
27.40	8.44	7.48	0.00	30.00	8.44	7.48	0.00
27.45	8.44	7.48	0.00	30.05	8.44	7.48	0.00
27.50	8.44	7.48	0.00	30.10	8.44	7.48	0.00
27.55	8.44	7.48	0.00	30.15	8.44	7.48	0.00
27.60	8.44	7.48	0.00	30.20	8.44	7.48	0.00
27.65	8.44	7.48	0.00	30.25	8.44	7.48	0.00
27.70	8.44	7.48	0.00	30.30	8.44	7.48	0.00
27.75	8.44	7.48	0.00	30.35	8.44	7.48	0.00
27.80	8.44	7.48	0.00	30.40	8.44	7.48	0.00
27.85	8.44	7.48	0.00	30.45	8.44	7.48	0.00
27.90	8.44	7.48	0.00	30.50	8.44	7.48	0.00
27.95	8.44	7.48	0.00	30.55	8.44	7.48	0.00
28.00	8.44	7.48	0.00	30.60	8.44	7.48	0.00
28.05	8.44	7.48	0.00	30.65	8.44	7.48	0.00
28.10	8.44	7.48	0.00	30.70	8.44	7.48	0.00
28.15	8.44	7.48	0.00	30.75	8.44	7.48	0.00
28.20	8.44	7.48	0.00	30.80	8.44	7.48	0.00
28.25	8.44	7.48	0.00	30.85	8.44	7.48	0.00
28.30	8.44	7.48	0.00	30.90	8.44	7.48	0.00
28.35	8.44	7.48	0.00	30.95	8.44	7.48	0.00
28.40	8.44	7.48	0.00	31.00	8.44	7.48	0.00
28.45	8.44	7.48	0.00	31.05	8.44	7.48	0.00
28.50	8.44	7.48	0.00	31.10	8.44	7.48	0.00
28.55	8.44	7.48	0.00	31.15	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	7.48	0.00	33.80	8.44	7.48	0.00
31.25	8.44	7.48	0.00	33.85	8.44	7.48	0.00
31.30	8.44	7.48	0.00	33.90	8.44	7.48	0.00
31.35	8.44	7.48	0.00	33.95	8.44	7.48	0.00
31.40	8.44	7.48	0.00	34.00	8.44	7.48	0.00
31.45	8.44	7.48	0.00	34.05	8.44	7.48	0.00
31.50	8.44	7.48	0.00	34.10	8.44	7.48	0.00
31.55	8.44	7.48	0.00	34.15	8.44	7.48	0.00
31.60	8.44	7.48	0.00	34.20	8.44	7.48	0.00
31.65	8.44	7.48	0.00	34.25	8.44	7.48	0.00
31.70	8.44	7.48	0.00	34.30	8.44	7.48	0.00
31.75	8.44	7.48	0.00	34.35	8.44	7.48	0.00
31.80	8.44	7.48	0.00	34.40	8.44	7.48	0.00
31.85	8.44	7.48	0.00	34.45	8.44	7.48	0.00
31.90	8.44	7.48	0.00	34.50	8.44	7.48	0.00
31.95	8.44	7.48	0.00	34.55	8.44	7.48	0.00
32.00	8.44	7.48	0.00	34.60	8.44	7.48	0.00
32.05	8.44	7.48	0.00	34.65	8.44	7.48	0.00
32.10	8.44	7.48	0.00	34.70	8.44	7.48	0.00
32.15	8.44	7.48	0.00	34.75	8.44	7.48	0.00
32.20	8.44	7.48	0.00	34.80	8.44	7.48	0.00
32.25	8.44	7.48	0.00	34.85	8.44	7.48	0.00
32.30	8.44	7.48	0.00	34.90	8.44	7.48	0.00
32.35	8.44	7.48	0.00	34.95	8.44	7.48	0.00
32.40	8.44	7.48	0.00	35.00	8.44	7.48	0.00
32.45	8.44	7.48	0.00	35.05	8.44	7.48	0.00
32.50	8.44	7.48	0.00	35.10	8.44	7.48	0.00
32.55	8.44	7.48	0.00	35.15	8.44	7.48	0.00
32.60	8.44	7.48	0.00	35.20	8.44	7.48	0.00
32.65	8.44	7.48	0.00	35.25	8.44	7.48	0.00
32.70	8.44	7.48	0.00	35.30	8.44	7.48	0.00
32.75	8.44	7.48	0.00	35.35	8.44	7.48	0.00
32.80	8.44	7.48	0.00	35.40	8.44	7.48	0.00
32.85	8.44	7.48	0.00	35.45	8.44	7.48	0.00
32.90	8.44	7.48	0.00	35.50	8.44	7.48	0.00
32.95	8.44	7.48	0.00	35.55	8.44	7.48	0.00
33.00	8.44	7.48	0.00	35.60	8.44	7.48	0.00
33.05	8.44	7.48	0.00	35.65	8.44	7.48	0.00
33.10	8.44	7.48	0.00	35.70	8.44	7.48	0.00
33.15	8.44	7.48	0.00	35.75	8.44	7.48	0.00
33.20	8.44	7.48	0.00	35.80	8.44	7.48	0.00
33.25	8.44	7.48	0.00	35.85	8.44	7.48	0.00
33.30	8.44	7.48	0.00	35.90	8.44	7.48	0.00
33.35	8.44	7.48	0.00	35.95	8.44	7.48	0.00
33.40	8.44	7.48	0.00	36.00	8.44	7.48	0.00
33.45	8.44	7.48	0.00	36.05	8.44	7.48	0.00
33.50	8.44	7.48	0.00	36.10	8.44	7.48	0.00
33.55	8.44	7.48	0.00	36.15	8.44	7.48	0.00
33.60	8.44	7.48	0.00	36.20	8.44	7.48	0.00
33.65	8.44	7.48	0.00	36.25	8.44	7.48	0.00
33.70	8.44	7.48	0.00	36.30	8.44	7.48	0.00
33.75	8.44	7.48	0.00	36.35	8.44	7.48	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	7.48	0.00
36.45	8.44	7.48	0.00
36.50	8.44	7.48	0.00
36.55	8.44	7.48	0.00
36.60	8.44	7.48	0.00
36.65	8.44	7.48	0.00
36.70	8.44	7.48	0.00
36.75	8.44	7.48	0.00
36.80	8.44	7.48	0.00
36.85	8.44	7.48	0.00
36.90	8.44	7.48	0.00
36.95	8.44	7.48	0.00
37.00	8.44	7.48	0.00
37.05	8.44	7.48	0.00
37.10	8.44	7.48	0.00
37.15	8.44	7.48	0.00
37.20	8.44	7.48	0.00
37.25	8.44	7.48	0.00
37.30	8.44	7.48	0.00
37.35	8.44	7.48	0.00
37.40	8.44	7.48	0.00
37.45	8.44	7.48	0.00
37.50	8.44	7.48	0.00
37.55	8.44	7.48	0.00
37.60	8.44	7.48	0.00
37.65	8.44	7.48	0.00
37.70	8.44	7.48	0.00
37.75	8.44	7.48	0.00
37.80	8.44	7.48	0.00
37.85	8.44	7.48	0.00
37.90	8.44	7.48	0.00
37.95	8.44	7.48	0.00
38.00	8.44	7.48	0.00
38.05	8.44	7.48	0.00
38.10	8.44	7.48	0.00
38.15	8.44	7.48	0.00
38.20	8.44	7.48	0.00
38.25	8.44	7.48	0.00
38.30	8.44	7.48	0.00
38.35	8.44	7.48	0.00
38.40	8.44	7.48	0.00
38.45	8.44	7.48	0.00
38.50	8.44	7.48	0.00
38.55	8.44	7.48	0.00
38.60	8.44	7.48	0.00
38.65	8.44	7.48	0.00
38.70	8.44	7.48	0.00
38.75	8.44	7.48	0.00
38.80	8.44	7.48	0.00
38.85	8.44	7.48	0.00
38.90	8.44	7.48	0.00
38.95	8.44	7.48	0.00
39.00	8.44	7.48	0.00
39.05	8.44	7.48	0.00
39.10	8.44	7.48	0.00
39.15	8.44	7.48	0.00
39.20	8.44	7.48	0.00
39.25	8.44	7.48	0.00
39.30	8.44	7.48	0.00
39.35	8.44	7.48	0.00
39.40	8.44	7.48	0.00
39.45	8.44	7.48	0.00
39.50	8.44	7.48	0.00
39.55	8.44	7.48	0.00
39.60	8.44	7.48	0.00
39.65	8.44	7.48	0.00
39.70	8.44	7.48	0.00
39.75	8.44	7.48	0.00
39.80	8.44	7.48	0.00
39.85	8.44	7.48	0.00
39.90	8.44	7.48	0.00
39.95	8.44	7.48	0.00
40.00	8.44	7.48	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

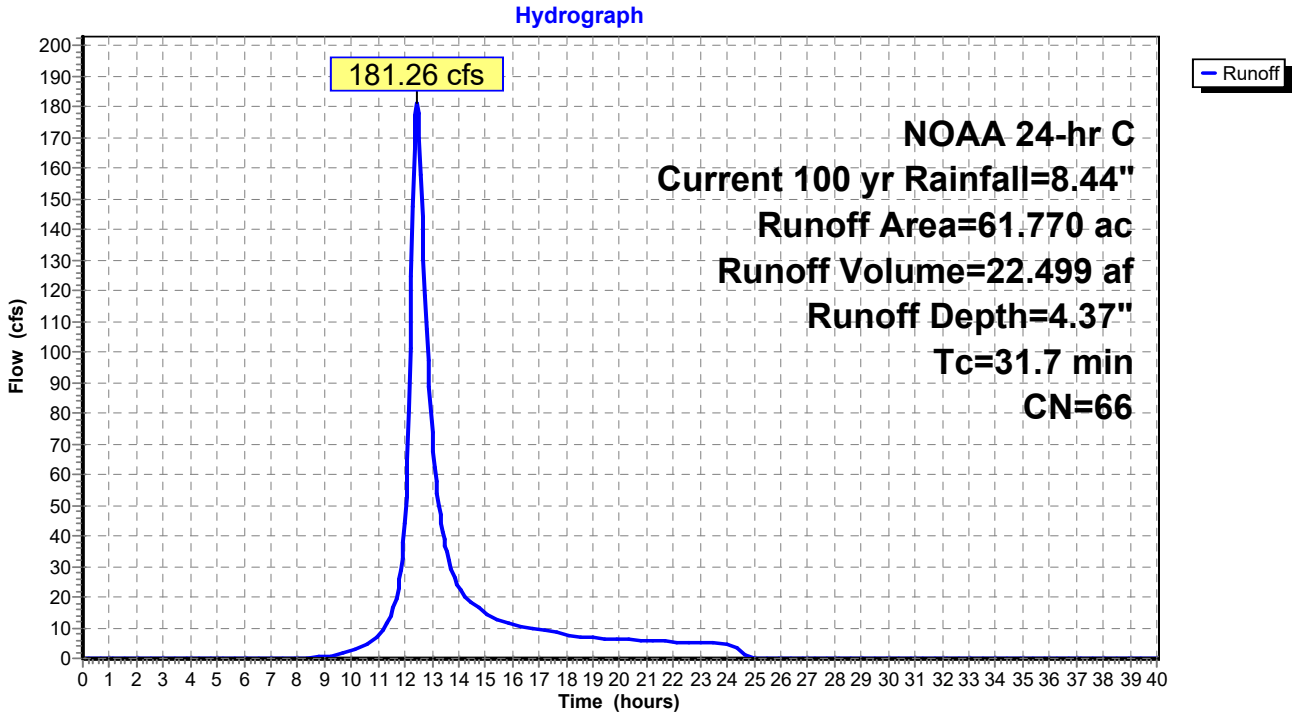
Runoff = 181.26 cfs @ 12.45 hrs, Volume= 22.499 af, Depth= 4.37"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.01
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.02
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.08
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.11
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.14
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.18
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.23
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.28
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.33
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.38
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.43
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.49
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.55
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.61
6.55	0.75	0.00	0.00	9.15	1.27	0.01	0.67
6.60	0.76	0.00	0.00	9.20	1.28	0.01	0.73
6.65	0.77	0.00	0.00	9.25	1.30	0.01	0.80
6.70	0.77	0.00	0.00	9.30	1.31	0.01	0.87
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.95
6.80	0.79	0.00	0.00	9.40	1.34	0.02	1.03
6.85	0.80	0.00	0.00	9.45	1.35	0.02	1.11
6.90	0.81	0.00	0.00	9.50	1.37	0.02	1.20
6.95	0.81	0.00	0.00	9.55	1.39	0.02	1.29
7.00	0.82	0.00	0.00	9.60	1.40	0.02	1.39
7.05	0.83	0.00	0.00	9.65	1.42	0.03	1.50
7.10	0.84	0.00	0.00	9.70	1.43	0.03	1.61
7.15	0.85	0.00	0.00	9.75	1.45	0.03	1.72
7.20	0.86	0.00	0.00	9.80	1.47	0.03	1.84
7.25	0.87	0.00	0.00	9.85	1.49	0.04	1.97
7.30	0.88	0.00	0.00	9.90	1.50	0.04	2.10
7.35	0.89	0.00	0.00	9.95	1.52	0.04	2.23
7.40	0.89	0.00	0.00	10.00	1.54	0.05	2.37
7.45	0.90	0.00	0.00	10.05	1.56	0.05	2.52
7.50	0.91	0.00	0.00	10.10	1.58	0.05	2.67
7.55	0.92	0.00	0.00	10.15	1.60	0.06	2.82
7.60	0.93	0.00	0.00	10.20	1.62	0.06	2.98
7.65	0.94	0.00	0.00	10.25	1.64	0.06	3.15
7.70	0.95	0.00	0.00	10.30	1.66	0.07	3.31
7.75	0.96	0.00	0.00	10.35	1.68	0.07	3.49

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.08	3.67	13.00	6.41	2.75	73.52
10.45	1.72	0.08	3.86	13.05	6.45	2.78	67.41
10.50	1.74	0.09	4.05	13.10	6.48	2.80	62.11
10.55	1.76	0.09	4.24	13.15	6.51	2.83	57.53
10.60	1.79	0.10	4.45	13.20	6.54	2.85	53.50
10.65	1.81	0.10	4.66	13.25	6.57	2.87	49.89
10.70	1.84	0.11	4.89	13.30	6.60	2.89	46.68
10.75	1.87	0.12	5.15	13.35	6.63	2.91	43.80
10.80	1.90	0.12	5.44	13.40	6.65	2.93	41.15
10.85	1.93	0.13	5.77	13.45	6.68	2.95	38.78
10.90	1.96	0.14	6.14	13.50	6.70	2.97	36.66
10.95	1.99	0.15	6.55	13.55	6.72	2.99	34.73
11.00	2.03	0.16	6.99	13.60	6.74	3.00	32.94
11.05	2.06	0.17	7.48	13.65	6.76	3.02	31.29
11.10	2.10	0.18	8.01	13.70	6.78	3.04	29.75
11.15	2.14	0.20	8.58	13.75	6.80	3.05	28.27
11.20	2.19	0.21	9.20	13.80	6.82	3.07	26.91
11.25	2.23	0.23	9.89	13.85	6.84	3.08	25.70
11.30	2.28	0.24	10.65	13.90	6.86	3.10	24.61
11.35	2.33	0.26	11.49	13.95	6.88	3.11	23.65
11.40	2.38	0.28	12.41	14.00	6.90	3.13	22.83
11.45	2.44	0.30	13.43	14.05	6.92	3.14	22.11
11.50	2.49	0.32	14.53	14.10	6.94	3.16	21.47
11.55	2.58	0.36	15.72	14.15	6.95	3.17	20.91
11.60	2.66	0.39	17.05	14.20	6.97	3.18	20.42
11.65	2.75	0.43	18.59	14.25	6.99	3.20	19.96
11.70	2.84	0.47	20.43	14.30	7.01	3.21	19.54
11.75	2.97	0.53	22.68	14.35	7.02	3.22	19.15
11.80	3.09	0.59	25.45	14.40	7.04	3.23	18.79
11.85	3.26	0.67	28.77	14.45	7.05	3.25	18.43
11.90	3.43	0.76	32.78	14.50	7.07	3.26	18.09
11.95	3.73	0.93	37.75	14.55	7.09	3.27	17.76
12.00	4.02	1.10	44.12	14.60	7.10	3.28	17.43
12.05	4.52	1.41	52.68	14.65	7.11	3.29	17.11
12.10	5.01	1.73	64.47	14.70	7.13	3.31	16.80
12.15	5.18	1.85	80.62	14.75	7.14	3.32	16.50
12.20	5.35	1.97	101.23	14.80	7.16	3.33	16.18
12.25	5.47	2.06	124.53	14.85	7.17	3.34	15.88
12.30	5.60	2.15	147.53	14.90	7.18	3.35	15.58
12.35	5.69	2.21	166.39	14.95	7.19	3.36	15.27
12.40	5.78	2.28	177.55	15.00	7.21	3.37	14.97
12.45	5.86	2.34	**181.25**	15.05	7.22	3.38	14.67
12.50	5.95	2.40	178.11	15.10	7.23	3.39	14.37
12.55	6.00	2.44	169.62	15.15	7.24	3.40	14.06
12.60	6.06	2.48	157.74	15.20	7.25	3.41	13.76
12.65	6.11	2.52	144.19	15.25	7.27	3.41	13.47
12.70	6.16	2.56	130.54	15.30	7.28	3.42	13.18
12.75	6.21	2.59	118.31	15.35	7.29	3.43	12.91
12.80	6.25	2.63	107.33	15.40	7.30	3.44	12.67
12.85	6.30	2.66	97.39	15.45	7.31	3.45	12.44
12.90	6.34	2.69	88.40	15.50	7.32	3.46	12.24
12.95	6.38	2.72	80.44	15.55	7.33	3.47	12.06

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.48	11.90	18.20	7.80	3.84	7.44
15.65	7.36	3.49	11.76	18.25	7.80	3.85	7.36
15.70	7.37	3.49	11.63	18.30	7.81	3.85	7.28
15.75	7.38	3.50	11.52	18.35	7.82	3.86	7.21
15.80	7.39	3.51	11.41	18.40	7.82	3.86	7.14
15.85	7.40	3.52	11.30	18.45	7.83	3.87	7.08
15.90	7.41	3.53	11.21	18.50	7.84	3.88	7.03
15.95	7.42	3.54	11.12	18.55	7.84	3.88	6.98
16.00	7.43	3.54	11.02	18.60	7.85	3.89	6.94
16.05	7.44	3.55	10.93	18.65	7.86	3.89	6.90
16.10	7.45	3.56	10.85	18.70	7.86	3.90	6.87
16.15	7.46	3.57	10.76	18.75	7.87	3.90	6.84
16.20	7.47	3.58	10.68	18.80	7.88	3.91	6.81
16.25	7.48	3.58	10.60	18.85	7.88	3.91	6.78
16.30	7.49	3.59	10.52	18.90	7.89	3.92	6.76
16.35	7.50	3.60	10.44	18.95	7.90	3.92	6.73
16.40	7.51	3.61	10.36	19.00	7.90	3.93	6.71
16.45	7.52	3.62	10.28	19.05	7.91	3.93	6.69
16.50	7.53	3.62	10.20	19.10	7.92	3.94	6.66
16.55	7.54	3.63	10.12	19.15	7.92	3.94	6.64
16.60	7.55	3.64	10.04	19.20	7.93	3.95	6.62
16.65	7.55	3.65	9.96	19.25	7.93	3.95	6.60
16.70	7.56	3.65	9.87	19.30	7.94	3.96	6.58
16.75	7.57	3.66	9.80	19.35	7.95	3.96	6.56
16.80	7.58	3.67	9.72	19.40	7.95	3.97	6.54
16.85	7.59	3.67	9.64	19.45	7.96	3.97	6.52
16.90	7.60	3.68	9.56	19.50	7.97	3.98	6.50
16.95	7.61	3.69	9.48	19.55	7.97	3.98	6.48
17.00	7.62	3.70	9.40	19.60	7.98	3.99	6.46
17.05	7.63	3.70	9.31	19.65	7.98	3.99	6.44
17.10	7.63	3.71	9.24	19.70	7.99	4.00	6.42
17.15	7.64	3.72	9.16	19.75	8.00	4.00	6.40
17.20	7.65	3.72	9.07	19.80	8.00	4.01	6.38
17.25	7.66	3.73	8.99	19.85	8.01	4.01	6.36
17.30	7.67	3.74	8.92	19.90	8.01	4.02	6.34
17.35	7.67	3.74	8.84	19.95	8.02	4.02	6.32
17.40	7.68	3.75	8.75	20.00	8.03	4.03	6.30
17.45	7.69	3.76	8.67	20.05	8.03	4.03	6.29
17.50	7.70	3.76	8.59	20.10	8.04	4.04	6.27
17.55	7.71	3.77	8.50	20.15	8.04	4.04	6.25
17.60	7.71	3.77	8.42	20.20	8.05	4.05	6.23
17.65	7.72	3.78	8.34	20.25	8.06	4.05	6.21
17.70	7.73	3.79	8.26	20.30	8.06	4.06	6.18
17.75	7.74	3.79	8.18	20.35	8.07	4.06	6.16
17.80	7.74	3.80	8.10	20.40	8.07	4.07	6.14
17.85	7.75	3.80	8.02	20.45	8.08	4.07	6.12
17.90	7.76	3.81	7.93	20.50	8.09	4.08	6.10
17.95	7.76	3.82	7.85	20.55	8.09	4.08	6.08
18.00	7.77	3.82	7.77	20.60	8.10	4.09	6.06
18.05	7.78	3.83	7.69	20.65	8.10	4.09	6.04
18.10	7.78	3.83	7.61	20.70	8.11	4.10	6.02
18.15	7.79	3.84	7.53	20.75	8.11	4.10	6.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.11	5.98	23.40	8.38	4.33	4.91
20.85	8.13	4.11	5.96	23.45	8.39	4.33	4.89
20.90	8.13	4.12	5.94	23.50	8.39	4.33	4.87
20.95	8.14	4.12	5.92	23.55	8.40	4.34	4.85
21.00	8.14	4.12	5.90	23.60	8.40	4.34	4.82
21.05	8.15	4.13	5.88	23.65	8.41	4.34	4.81
21.10	8.15	4.13	5.86	23.70	8.41	4.35	4.79
21.15	8.16	4.14	5.84	23.75	8.42	4.35	4.76
21.20	8.16	4.14	5.81	23.80	8.42	4.35	4.74
21.25	8.17	4.15	5.80	23.85	8.42	4.36	4.72
21.30	8.18	4.15	5.77	23.90	8.43	4.36	4.70
21.35	8.18	4.16	5.75	23.95	8.43	4.37	4.68
21.40	8.19	4.16	5.73	24.00	**8.44**	**4.37**	4.67
21.45	8.19	4.16	5.72	24.05	8.44	4.37	4.66
21.50	8.20	4.17	5.70	24.10	8.44	4.37	4.64
21.55	8.20	4.17	5.68	24.15	8.44	4.37	4.59
21.60	8.21	4.18	5.66	24.20	8.44	4.37	4.47
21.65	8.21	4.18	5.64	24.25	8.44	4.37	4.24
21.70	8.22	4.19	5.61	24.30	8.44	4.37	3.88
21.75	8.22	4.19	5.59	24.35	8.44	4.37	3.44
21.80	8.23	4.20	5.57	24.40	8.44	4.37	2.95
21.85	8.23	4.20	5.55	24.45	8.44	4.37	2.45
21.90	8.24	4.20	5.53	24.50	8.44	4.37	1.99
21.95	8.24	4.21	5.51	24.55	8.44	4.37	1.58
22.00	8.25	4.21	5.49	24.60	8.44	4.37	1.24
22.05	8.25	4.22	5.47	24.65	8.44	4.37	0.98
22.10	8.26	4.22	5.45	24.70	8.44	4.37	0.78
22.15	8.26	4.23	5.43	24.75	8.44	4.37	0.62
22.20	8.27	4.23	5.41	24.80	8.44	4.37	0.49
22.25	8.27	4.23	5.39	24.85	8.44	4.37	0.39
22.30	8.28	4.24	5.37	24.90	8.44	4.37	0.31
22.35	8.28	4.24	5.35	24.95	8.44	4.37	0.24
22.40	8.29	4.25	5.33	25.00	8.44	4.37	0.19
22.45	8.29	4.25	5.31	25.05	8.44	4.37	0.15
22.50	8.30	4.25	5.29	25.10	8.44	4.37	0.12
22.55	8.30	4.26	5.26	25.15	8.44	4.37	0.09
22.60	8.31	4.26	5.24	25.20	8.44	4.37	0.07
22.65	8.31	4.27	5.22	25.25	8.44	4.37	0.06
22.70	8.32	4.27	5.20	25.30	8.44	4.37	0.04
22.75	8.32	4.27	5.18	25.35	8.44	4.37	0.03
22.80	8.33	4.28	5.16	25.40	8.44	4.37	0.03
22.85	8.33	4.28	5.14	25.45	8.44	4.37	0.02
22.90	8.34	4.29	5.12	25.50	8.44	4.37	0.01
22.95	8.34	4.29	5.10	25.55	8.44	4.37	0.01
23.00	8.35	4.29	5.08	25.60	8.44	4.37	0.01
23.05	8.35	4.30	5.06	25.65	8.44	4.37	0.00
23.10	8.36	4.30	5.03	25.70	8.44	4.37	0.00
23.15	8.36	4.31	5.01	25.75	8.44	4.37	0.00
23.20	8.37	4.31	4.99	25.80	8.44	4.37	0.00
23.25	8.37	4.31	4.97	25.85	8.44	4.37	0.00
23.30	8.38	4.32	4.95	25.90	8.44	4.37	0.00
23.35	8.38	4.32	4.93	25.95	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.37	0.00	28.60	8.44	4.37	0.00
26.05	8.44	4.37	0.00	28.65	8.44	4.37	0.00
26.10	8.44	4.37	0.00	28.70	8.44	4.37	0.00
26.15	8.44	4.37	0.00	28.75	8.44	4.37	0.00
26.20	8.44	4.37	0.00	28.80	8.44	4.37	0.00
26.25	8.44	4.37	0.00	28.85	8.44	4.37	0.00
26.30	8.44	4.37	0.00	28.90	8.44	4.37	0.00
26.35	8.44	4.37	0.00	28.95	8.44	4.37	0.00
26.40	8.44	4.37	0.00	29.00	8.44	4.37	0.00
26.45	8.44	4.37	0.00	29.05	8.44	4.37	0.00
26.50	8.44	4.37	0.00	29.10	8.44	4.37	0.00
26.55	8.44	4.37	0.00	29.15	8.44	4.37	0.00
26.60	8.44	4.37	0.00	29.20	8.44	4.37	0.00
26.65	8.44	4.37	0.00	29.25	8.44	4.37	0.00
26.70	8.44	4.37	0.00	29.30	8.44	4.37	0.00
26.75	8.44	4.37	0.00	29.35	8.44	4.37	0.00
26.80	8.44	4.37	0.00	29.40	8.44	4.37	0.00
26.85	8.44	4.37	0.00	29.45	8.44	4.37	0.00
26.90	8.44	4.37	0.00	29.50	8.44	4.37	0.00
26.95	8.44	4.37	0.00	29.55	8.44	4.37	0.00
27.00	8.44	4.37	0.00	29.60	8.44	4.37	0.00
27.05	8.44	4.37	0.00	29.65	8.44	4.37	0.00
27.10	8.44	4.37	0.00	29.70	8.44	4.37	0.00
27.15	8.44	4.37	0.00	29.75	8.44	4.37	0.00
27.20	8.44	4.37	0.00	29.80	8.44	4.37	0.00
27.25	8.44	4.37	0.00	29.85	8.44	4.37	0.00
27.30	8.44	4.37	0.00	29.90	8.44	4.37	0.00
27.35	8.44	4.37	0.00	29.95	8.44	4.37	0.00
27.40	8.44	4.37	0.00	30.00	8.44	4.37	0.00
27.45	8.44	4.37	0.00	30.05	8.44	4.37	0.00
27.50	8.44	4.37	0.00	30.10	8.44	4.37	0.00
27.55	8.44	4.37	0.00	30.15	8.44	4.37	0.00
27.60	8.44	4.37	0.00	30.20	8.44	4.37	0.00
27.65	8.44	4.37	0.00	30.25	8.44	4.37	0.00
27.70	8.44	4.37	0.00	30.30	8.44	4.37	0.00
27.75	8.44	4.37	0.00	30.35	8.44	4.37	0.00
27.80	8.44	4.37	0.00	30.40	8.44	4.37	0.00
27.85	8.44	4.37	0.00	30.45	8.44	4.37	0.00
27.90	8.44	4.37	0.00	30.50	8.44	4.37	0.00
27.95	8.44	4.37	0.00	30.55	8.44	4.37	0.00
28.00	8.44	4.37	0.00	30.60	8.44	4.37	0.00
28.05	8.44	4.37	0.00	30.65	8.44	4.37	0.00
28.10	8.44	4.37	0.00	30.70	8.44	4.37	0.00
28.15	8.44	4.37	0.00	30.75	8.44	4.37	0.00
28.20	8.44	4.37	0.00	30.80	8.44	4.37	0.00
28.25	8.44	4.37	0.00	30.85	8.44	4.37	0.00
28.30	8.44	4.37	0.00	30.90	8.44	4.37	0.00
28.35	8.44	4.37	0.00	30.95	8.44	4.37	0.00
28.40	8.44	4.37	0.00	31.00	8.44	4.37	0.00
28.45	8.44	4.37	0.00	31.05	8.44	4.37	0.00
28.50	8.44	4.37	0.00	31.10	8.44	4.37	0.00
28.55	8.44	4.37	0.00	31.15	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.37	0.00	33.80	8.44	4.37	0.00
31.25	8.44	4.37	0.00	33.85	8.44	4.37	0.00
31.30	8.44	4.37	0.00	33.90	8.44	4.37	0.00
31.35	8.44	4.37	0.00	33.95	8.44	4.37	0.00
31.40	8.44	4.37	0.00	34.00	8.44	4.37	0.00
31.45	8.44	4.37	0.00	34.05	8.44	4.37	0.00
31.50	8.44	4.37	0.00	34.10	8.44	4.37	0.00
31.55	8.44	4.37	0.00	34.15	8.44	4.37	0.00
31.60	8.44	4.37	0.00	34.20	8.44	4.37	0.00
31.65	8.44	4.37	0.00	34.25	8.44	4.37	0.00
31.70	8.44	4.37	0.00	34.30	8.44	4.37	0.00
31.75	8.44	4.37	0.00	34.35	8.44	4.37	0.00
31.80	8.44	4.37	0.00	34.40	8.44	4.37	0.00
31.85	8.44	4.37	0.00	34.45	8.44	4.37	0.00
31.90	8.44	4.37	0.00	34.50	8.44	4.37	0.00
31.95	8.44	4.37	0.00	34.55	8.44	4.37	0.00
32.00	8.44	4.37	0.00	34.60	8.44	4.37	0.00
32.05	8.44	4.37	0.00	34.65	8.44	4.37	0.00
32.10	8.44	4.37	0.00	34.70	8.44	4.37	0.00
32.15	8.44	4.37	0.00	34.75	8.44	4.37	0.00
32.20	8.44	4.37	0.00	34.80	8.44	4.37	0.00
32.25	8.44	4.37	0.00	34.85	8.44	4.37	0.00
32.30	8.44	4.37	0.00	34.90	8.44	4.37	0.00
32.35	8.44	4.37	0.00	34.95	8.44	4.37	0.00
32.40	8.44	4.37	0.00	35.00	8.44	4.37	0.00
32.45	8.44	4.37	0.00	35.05	8.44	4.37	0.00
32.50	8.44	4.37	0.00	35.10	8.44	4.37	0.00
32.55	8.44	4.37	0.00	35.15	8.44	4.37	0.00
32.60	8.44	4.37	0.00	35.20	8.44	4.37	0.00
32.65	8.44	4.37	0.00	35.25	8.44	4.37	0.00
32.70	8.44	4.37	0.00	35.30	8.44	4.37	0.00
32.75	8.44	4.37	0.00	35.35	8.44	4.37	0.00
32.80	8.44	4.37	0.00	35.40	8.44	4.37	0.00
32.85	8.44	4.37	0.00	35.45	8.44	4.37	0.00
32.90	8.44	4.37	0.00	35.50	8.44	4.37	0.00
32.95	8.44	4.37	0.00	35.55	8.44	4.37	0.00
33.00	8.44	4.37	0.00	35.60	8.44	4.37	0.00
33.05	8.44	4.37	0.00	35.65	8.44	4.37	0.00
33.10	8.44	4.37	0.00	35.70	8.44	4.37	0.00
33.15	8.44	4.37	0.00	35.75	8.44	4.37	0.00
33.20	8.44	4.37	0.00	35.80	8.44	4.37	0.00
33.25	8.44	4.37	0.00	35.85	8.44	4.37	0.00
33.30	8.44	4.37	0.00	35.90	8.44	4.37	0.00
33.35	8.44	4.37	0.00	35.95	8.44	4.37	0.00
33.40	8.44	4.37	0.00	36.00	8.44	4.37	0.00
33.45	8.44	4.37	0.00	36.05	8.44	4.37	0.00
33.50	8.44	4.37	0.00	36.10	8.44	4.37	0.00
33.55	8.44	4.37	0.00	36.15	8.44	4.37	0.00
33.60	8.44	4.37	0.00	36.20	8.44	4.37	0.00
33.65	8.44	4.37	0.00	36.25	8.44	4.37	0.00
33.70	8.44	4.37	0.00	36.30	8.44	4.37	0.00
33.75	8.44	4.37	0.00	36.35	8.44	4.37	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.37	0.00
36.45	8.44	4.37	0.00
36.50	8.44	4.37	0.00
36.55	8.44	4.37	0.00
36.60	8.44	4.37	0.00
36.65	8.44	4.37	0.00
36.70	8.44	4.37	0.00
36.75	8.44	4.37	0.00
36.80	8.44	4.37	0.00
36.85	8.44	4.37	0.00
36.90	8.44	4.37	0.00
36.95	8.44	4.37	0.00
37.00	8.44	4.37	0.00
37.05	8.44	4.37	0.00
37.10	8.44	4.37	0.00
37.15	8.44	4.37	0.00
37.20	8.44	4.37	0.00
37.25	8.44	4.37	0.00
37.30	8.44	4.37	0.00
37.35	8.44	4.37	0.00
37.40	8.44	4.37	0.00
37.45	8.44	4.37	0.00
37.50	8.44	4.37	0.00
37.55	8.44	4.37	0.00
37.60	8.44	4.37	0.00
37.65	8.44	4.37	0.00
37.70	8.44	4.37	0.00
37.75	8.44	4.37	0.00
37.80	8.44	4.37	0.00
37.85	8.44	4.37	0.00
37.90	8.44	4.37	0.00
37.95	8.44	4.37	0.00
38.00	8.44	4.37	0.00
38.05	8.44	4.37	0.00
38.10	8.44	4.37	0.00
38.15	8.44	4.37	0.00
38.20	8.44	4.37	0.00
38.25	8.44	4.37	0.00
38.30	8.44	4.37	0.00
38.35	8.44	4.37	0.00
38.40	8.44	4.37	0.00
38.45	8.44	4.37	0.00
38.50	8.44	4.37	0.00
38.55	8.44	4.37	0.00
38.60	8.44	4.37	0.00
38.65	8.44	4.37	0.00
38.70	8.44	4.37	0.00
38.75	8.44	4.37	0.00
38.80	8.44	4.37	0.00
38.85	8.44	4.37	0.00
38.90	8.44	4.37	0.00
38.95	8.44	4.37	0.00
39.00	8.44	4.37	0.00
39.05	8.44	4.37	0.00
39.10	8.44	4.37	0.00
39.15	8.44	4.37	0.00
39.20	8.44	4.37	0.00
39.25	8.44	4.37	0.00
39.30	8.44	4.37	0.00
39.35	8.44	4.37	0.00
39.40	8.44	4.37	0.00
39.45	8.44	4.37	0.00
39.50	8.44	4.37	0.00
39.55	8.44	4.37	0.00
39.60	8.44	4.37	0.00
39.65	8.44	4.37	0.00
39.70	8.44	4.37	0.00
39.75	8.44	4.37	0.00
39.80	8.44	4.37	0.00
39.85	8.44	4.37	0.00
39.90	8.44	4.37	0.00
39.95	8.44	4.37	0.00
40.00	8.44	4.37	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

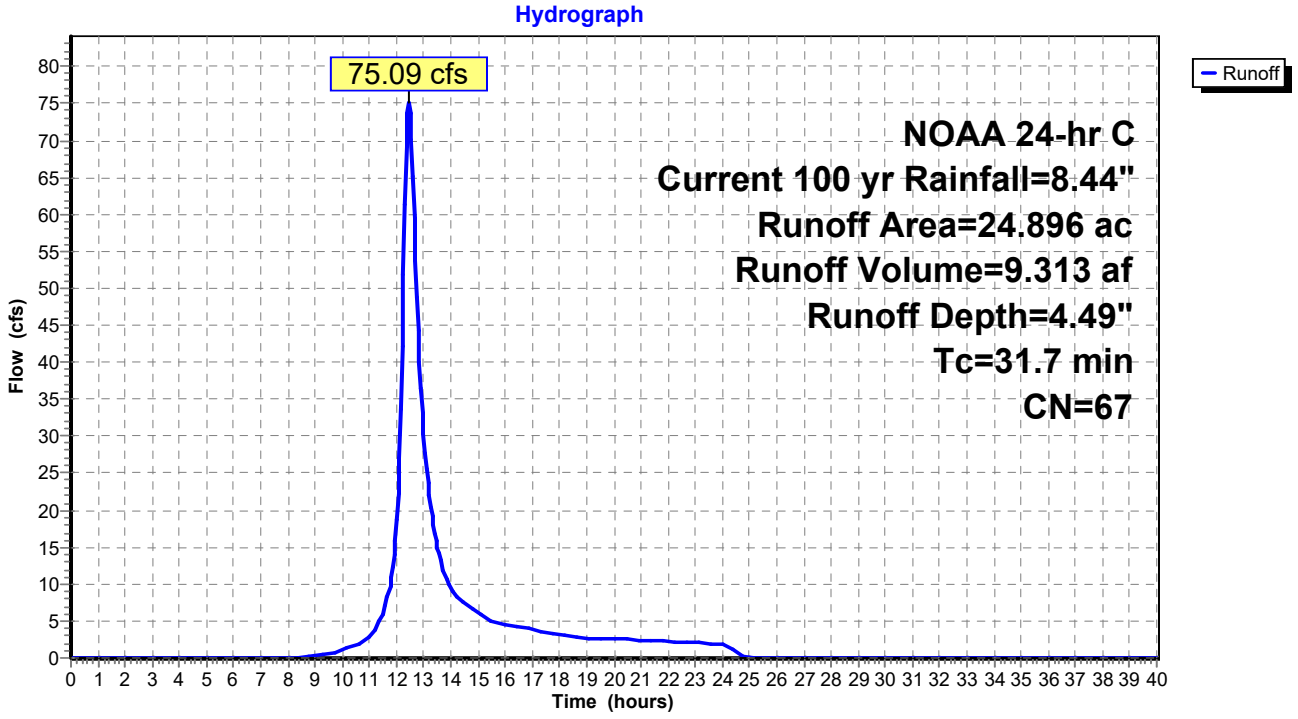
Runoff = 75.09 cfs @ 12.45 hrs, Volume= 9.313 af, Depth= 4.49"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.01
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.08
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.10
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.12
6.05	0.68	0.00	0.00	8.65	1.15	0.01	0.14
6.10	0.68	0.00	0.00	8.70	1.16	0.01	0.16
6.15	0.69	0.00	0.00	8.75	1.17	0.01	0.18
6.20	0.70	0.00	0.00	8.80	1.19	0.01	0.20
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.23
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.25
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.27
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.30
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.32
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.35
6.55	0.75	0.00	0.00	9.15	1.27	0.02	0.38
6.60	0.76	0.00	0.00	9.20	1.28	0.02	0.40
6.65	0.77	0.00	0.00	9.25	1.30	0.02	0.43
6.70	0.77	0.00	0.00	9.30	1.31	0.02	0.46
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.49
6.80	0.79	0.00	0.00	9.40	1.34	0.02	0.53
6.85	0.80	0.00	0.00	9.45	1.35	0.03	0.57
6.90	0.81	0.00	0.00	9.50	1.37	0.03	0.60
6.95	0.81	0.00	0.00	9.55	1.39	0.03	0.65
7.00	0.82	0.00	0.00	9.60	1.40	0.03	0.69
7.05	0.83	0.00	0.00	9.65	1.42	0.03	0.73
7.10	0.84	0.00	0.00	9.70	1.43	0.04	0.78
7.15	0.85	0.00	0.00	9.75	1.45	0.04	0.83
7.20	0.86	0.00	0.00	9.80	1.47	0.04	0.88
7.25	0.87	0.00	0.00	9.85	1.49	0.05	0.94
7.30	0.88	0.00	0.00	9.90	1.50	0.05	0.99
7.35	0.89	0.00	0.00	9.95	1.52	0.05	1.05
7.40	0.89	0.00	0.00	10.00	1.54	0.06	1.11
7.45	0.90	0.00	0.00	10.05	1.56	0.06	1.17
7.50	0.91	0.00	0.00	10.10	1.58	0.06	1.23
7.55	0.92	0.00	0.00	10.15	1.60	0.07	1.30
7.60	0.93	0.00	0.00	10.20	1.62	0.07	1.37
7.65	0.94	0.00	0.00	10.25	1.64	0.08	1.44
7.70	0.95	0.00	0.00	10.30	1.66	0.08	1.51
7.75	0.96	0.00	0.00	10.35	1.68	0.09	1.58

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.09	1.66	13.00	6.41	2.85	30.25
10.45	1.72	0.09	1.74	13.05	6.45	2.87	27.72
10.50	1.74	0.10	1.82	13.10	6.48	2.90	25.53
10.55	1.76	0.11	1.90	13.15	6.51	2.92	23.64
10.60	1.79	0.11	1.99	13.20	6.54	2.95	21.98
10.65	1.81	0.12	2.08	13.25	6.57	2.97	20.49
10.70	1.84	0.13	2.18	13.30	6.60	2.99	19.16
10.75	1.87	0.13	2.29	13.35	6.63	3.01	17.97
10.80	1.90	0.14	2.41	13.40	6.65	3.03	16.88
10.85	1.93	0.15	2.55	13.45	6.68	3.05	15.91
10.90	1.96	0.16	2.70	13.50	6.70	3.07	15.04
10.95	1.99	0.17	2.88	13.55	6.72	3.09	14.24
11.00	2.03	0.18	3.07	13.60	6.74	3.10	13.50
11.05	2.06	0.19	3.27	13.65	6.76	3.12	12.83
11.10	2.10	0.21	3.50	13.70	6.78	3.14	12.19
11.15	2.14	0.22	3.74	13.75	6.80	3.15	11.58
11.20	2.19	0.24	4.00	13.80	6.82	3.17	11.03
11.25	2.23	0.25	4.29	13.85	6.84	3.18	10.53
11.30	2.28	0.27	4.61	13.90	6.86	3.20	10.08
11.35	2.33	0.29	4.97	13.95	6.88	3.21	9.69
11.40	2.38	0.31	5.36	14.00	6.90	3.23	9.35
11.45	2.44	0.33	5.79	14.05	6.92	3.24	9.06
11.50	2.49	0.35	6.25	14.10	6.94	3.26	8.79
11.55	2.58	0.39	6.75	14.15	6.95	3.27	8.56
11.60	2.66	0.43	7.31	14.20	6.97	3.29	8.36
11.65	2.75	0.47	7.95	14.25	6.99	3.30	8.17
11.70	2.84	0.51	8.72	14.30	7.01	3.31	8.00
11.75	2.97	0.57	9.67	14.35	7.02	3.32	7.84
11.80	3.09	0.63	10.82	14.40	7.04	3.34	7.69
11.85	3.26	0.72	12.21	14.45	7.05	3.35	7.54
11.90	3.43	0.81	13.89	14.50	7.07	3.36	7.40
11.95	3.73	0.98	15.96	14.55	7.09	3.37	7.27
12.00	4.02	1.16	18.61	14.60	7.10	3.39	7.13
12.05	4.52	1.47	22.17	14.65	7.11	3.40	7.00
12.10	5.01	1.81	27.06	14.70	7.13	3.41	6.88
12.15	5.18	1.93	33.75	14.75	7.14	3.42	6.75
12.20	5.35	2.05	42.27	14.80	7.16	3.43	6.62
12.25	5.47	2.14	51.88	14.85	7.17	3.44	6.50
12.30	5.60	2.23	61.35	14.90	7.18	3.45	6.37
12.35	5.69	2.30	69.09	14.95	7.19	3.46	6.25
12.40	5.78	2.36	73.64	15.00	7.21	3.47	6.12
12.45	5.86	2.43	**75.09**	15.05	7.22	3.48	6.00
12.50	5.95	2.49	73.73	15.10	7.23	3.49	5.88
12.55	6.00	2.53	70.15	15.15	7.24	3.50	5.75
12.60	6.06	2.57	65.19	15.20	7.25	3.51	5.63
12.65	6.11	2.61	59.54	15.25	7.27	3.52	5.51
12.70	6.16	2.65	53.87	15.30	7.28	3.53	5.39
12.75	6.21	2.69	48.80	15.35	7.29	3.54	5.28
12.80	6.25	2.72	44.24	15.40	7.30	3.55	5.18
12.85	6.30	2.76	40.12	15.45	7.31	3.56	5.09
12.90	6.34	2.79	36.40	15.50	7.32	3.57	5.00
12.95	6.38	2.82	33.11	15.55	7.33	3.57	4.93

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.58	4.87	18.20	7.80	3.95	3.04
15.65	7.36	3.59	4.81	18.25	7.80	3.96	3.01
15.70	7.37	3.60	4.76	18.30	7.81	3.97	2.97
15.75	7.38	3.61	4.71	18.35	7.82	3.97	2.95
15.80	7.39	3.62	4.67	18.40	7.82	3.98	2.92
15.85	7.40	3.63	4.62	18.45	7.83	3.98	2.89
15.90	7.41	3.64	4.58	18.50	7.84	3.99	2.87
15.95	7.42	3.64	4.54	18.55	7.84	3.99	2.85
16.00	7.43	3.65	4.51	18.60	7.85	4.00	2.83
16.05	7.44	3.66	4.47	18.65	7.86	4.00	2.82
16.10	7.45	3.67	4.44	18.70	7.86	4.01	2.80
16.15	7.46	3.68	4.40	18.75	7.87	4.01	2.79
16.20	7.47	3.68	4.37	18.80	7.88	4.02	2.78
16.25	7.48	3.69	4.33	18.85	7.88	4.03	2.77
16.30	7.49	3.70	4.30	18.90	7.89	4.03	2.76
16.35	7.50	3.71	4.27	18.95	7.90	4.04	2.75
16.40	7.51	3.72	4.23	19.00	7.90	4.04	2.74
16.45	7.52	3.72	4.20	19.05	7.91	4.05	2.73
16.50	7.53	3.73	4.17	19.10	7.92	4.05	2.72
16.55	7.54	3.74	4.13	19.15	7.92	4.06	2.71
16.60	7.55	3.75	4.10	19.20	7.93	4.06	2.70
16.65	7.55	3.75	4.07	19.25	7.93	4.07	2.70
16.70	7.56	3.76	4.04	19.30	7.94	4.07	2.69
16.75	7.57	3.77	4.00	19.35	7.95	4.08	2.68
16.80	7.58	3.78	3.97	19.40	7.95	4.08	2.67
16.85	7.59	3.78	3.94	19.45	7.96	4.09	2.66
16.90	7.60	3.79	3.90	19.50	7.97	4.09	2.65
16.95	7.61	3.80	3.87	19.55	7.97	4.10	2.65
17.00	7.62	3.81	3.84	19.60	7.98	4.10	2.64
17.05	7.63	3.81	3.81	19.65	7.98	4.11	2.63
17.10	7.63	3.82	3.77	19.70	7.99	4.11	2.62
17.15	7.64	3.83	3.74	19.75	8.00	4.12	2.61
17.20	7.65	3.83	3.71	19.80	8.00	4.12	2.60
17.25	7.66	3.84	3.67	19.85	8.01	4.13	2.60
17.30	7.67	3.85	3.64	19.90	8.01	4.13	2.59
17.35	7.67	3.85	3.61	19.95	8.02	4.14	2.58
17.40	7.68	3.86	3.58	20.00	8.03	4.14	2.57
17.45	7.69	3.87	3.54	20.05	8.03	4.15	2.57
17.50	7.70	3.87	3.51	20.10	8.04	4.15	2.56
17.55	7.71	3.88	3.47	20.15	8.04	4.16	2.55
17.60	7.71	3.88	3.44	20.20	8.05	4.16	2.54
17.65	7.72	3.89	3.41	20.25	8.06	4.17	2.53
17.70	7.73	3.90	3.37	20.30	8.06	4.17	2.52
17.75	7.74	3.90	3.34	20.35	8.07	4.18	2.51
17.80	7.74	3.91	3.31	20.40	8.07	4.18	2.51
17.85	7.75	3.91	3.28	20.45	8.08	4.19	2.50
17.90	7.76	3.92	3.24	20.50	8.09	4.19	2.49
17.95	7.76	3.93	3.21	20.55	8.09	4.20	2.48
18.00	7.77	3.93	3.18	20.60	8.10	4.20	2.47
18.05	7.78	3.94	3.14	20.65	8.10	4.21	2.46
18.10	7.78	3.94	3.11	20.70	8.11	4.21	2.46
18.15	7.79	3.95	3.07	20.75	8.11	4.22	2.45

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.22	2.44	23.40	8.38	4.44	2.00
20.85	8.13	4.23	2.43	23.45	8.39	4.45	1.99
20.90	8.13	4.23	2.43	23.50	8.39	4.45	1.99
20.95	8.14	4.23	2.42	23.55	8.40	4.45	1.98
21.00	8.14	4.24	2.41	23.60	8.40	4.46	1.97
21.05	8.15	4.24	2.40	23.65	8.41	4.46	1.96
21.10	8.15	4.25	2.39	23.70	8.41	4.47	1.95
21.15	8.16	4.25	2.38	23.75	8.42	4.47	1.94
21.20	8.16	4.26	2.37	23.80	8.42	4.47	1.93
21.25	8.17	4.26	2.37	23.85	8.42	4.48	1.93
21.30	8.18	4.27	2.36	23.90	8.43	4.48	1.92
21.35	8.18	4.27	2.35	23.95	8.43	4.48	1.91
21.40	8.19	4.28	2.34	24.00	**8.44**	**4.49**	1.90
21.45	8.19	4.28	2.33	24.05	8.44	4.49	1.90
21.50	8.20	4.29	2.32	24.10	8.44	4.49	1.89
21.55	8.20	4.29	2.32	24.15	8.44	4.49	1.87
21.60	8.21	4.29	2.31	24.20	8.44	4.49	1.82
21.65	8.21	4.30	2.30	24.25	8.44	4.49	1.73
21.70	8.22	4.30	2.29	24.30	8.44	4.49	1.58
21.75	8.22	4.31	2.28	24.35	8.44	4.49	1.40
21.80	8.23	4.31	2.27	24.40	8.44	4.49	1.20
21.85	8.23	4.32	2.26	24.45	8.44	4.49	1.00
21.90	8.24	4.32	2.26	24.50	8.44	4.49	0.81
21.95	8.24	4.32	2.25	24.55	8.44	4.49	0.65
22.00	8.25	4.33	2.24	24.60	8.44	4.49	0.51
22.05	8.25	4.33	2.23	24.65	8.44	4.49	0.40
22.10	8.26	4.34	2.22	24.70	8.44	4.49	0.32
22.15	8.26	4.34	2.22	24.75	8.44	4.49	0.25
22.20	8.27	4.35	2.21	24.80	8.44	4.49	0.20
22.25	8.27	4.35	2.20	24.85	8.44	4.49	0.16
22.30	8.28	4.35	2.19	24.90	8.44	4.49	0.12
22.35	8.28	4.36	2.18	24.95	8.44	4.49	0.10
22.40	8.29	4.36	2.17	25.00	8.44	4.49	0.08
22.45	8.29	4.37	2.17	25.05	8.44	4.49	0.06
22.50	8.30	4.37	2.16	25.10	8.44	4.49	0.05
22.55	8.30	4.38	2.15	25.15	8.44	4.49	0.04
22.60	8.31	4.38	2.14	25.20	8.44	4.49	0.03
22.65	8.31	4.38	2.13	25.25	8.44	4.49	0.02
22.70	8.32	4.39	2.12	25.30	8.44	4.49	0.02
22.75	8.32	4.39	2.11	25.35	8.44	4.49	0.01
22.80	8.33	4.40	2.11	25.40	8.44	4.49	0.01
22.85	8.33	4.40	2.10	25.45	8.44	4.49	0.01
22.90	8.34	4.40	2.09	25.50	8.44	4.49	0.01
22.95	8.34	4.41	2.08	25.55	8.44	4.49	0.00
23.00	8.35	4.41	2.07	25.60	8.44	4.49	0.00
23.05	8.35	4.42	2.06	25.65	8.44	4.49	0.00
23.10	8.36	4.42	2.05	25.70	8.44	4.49	0.00
23.15	8.36	4.42	2.05	25.75	8.44	4.49	0.00
23.20	8.37	4.43	2.04	25.80	8.44	4.49	0.00
23.25	8.37	4.43	2.03	25.85	8.44	4.49	0.00
23.30	8.38	4.43	2.02	25.90	8.44	4.49	0.00
23.35	8.38	4.44	2.01	25.95	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.49	0.00	28.60	8.44	4.49	0.00
26.05	8.44	4.49	0.00	28.65	8.44	4.49	0.00
26.10	8.44	4.49	0.00	28.70	8.44	4.49	0.00
26.15	8.44	4.49	0.00	28.75	8.44	4.49	0.00
26.20	8.44	4.49	0.00	28.80	8.44	4.49	0.00
26.25	8.44	4.49	0.00	28.85	8.44	4.49	0.00
26.30	8.44	4.49	0.00	28.90	8.44	4.49	0.00
26.35	8.44	4.49	0.00	28.95	8.44	4.49	0.00
26.40	8.44	4.49	0.00	29.00	8.44	4.49	0.00
26.45	8.44	4.49	0.00	29.05	8.44	4.49	0.00
26.50	8.44	4.49	0.00	29.10	8.44	4.49	0.00
26.55	8.44	4.49	0.00	29.15	8.44	4.49	0.00
26.60	8.44	4.49	0.00	29.20	8.44	4.49	0.00
26.65	8.44	4.49	0.00	29.25	8.44	4.49	0.00
26.70	8.44	4.49	0.00	29.30	8.44	4.49	0.00
26.75	8.44	4.49	0.00	29.35	8.44	4.49	0.00
26.80	8.44	4.49	0.00	29.40	8.44	4.49	0.00
26.85	8.44	4.49	0.00	29.45	8.44	4.49	0.00
26.90	8.44	4.49	0.00	29.50	8.44	4.49	0.00
26.95	8.44	4.49	0.00	29.55	8.44	4.49	0.00
27.00	8.44	4.49	0.00	29.60	8.44	4.49	0.00
27.05	8.44	4.49	0.00	29.65	8.44	4.49	0.00
27.10	8.44	4.49	0.00	29.70	8.44	4.49	0.00
27.15	8.44	4.49	0.00	29.75	8.44	4.49	0.00
27.20	8.44	4.49	0.00	29.80	8.44	4.49	0.00
27.25	8.44	4.49	0.00	29.85	8.44	4.49	0.00
27.30	8.44	4.49	0.00	29.90	8.44	4.49	0.00
27.35	8.44	4.49	0.00	29.95	8.44	4.49	0.00
27.40	8.44	4.49	0.00	30.00	8.44	4.49	0.00
27.45	8.44	4.49	0.00	30.05	8.44	4.49	0.00
27.50	8.44	4.49	0.00	30.10	8.44	4.49	0.00
27.55	8.44	4.49	0.00	30.15	8.44	4.49	0.00
27.60	8.44	4.49	0.00	30.20	8.44	4.49	0.00
27.65	8.44	4.49	0.00	30.25	8.44	4.49	0.00
27.70	8.44	4.49	0.00	30.30	8.44	4.49	0.00
27.75	8.44	4.49	0.00	30.35	8.44	4.49	0.00
27.80	8.44	4.49	0.00	30.40	8.44	4.49	0.00
27.85	8.44	4.49	0.00	30.45	8.44	4.49	0.00
27.90	8.44	4.49	0.00	30.50	8.44	4.49	0.00
27.95	8.44	4.49	0.00	30.55	8.44	4.49	0.00
28.00	8.44	4.49	0.00	30.60	8.44	4.49	0.00
28.05	8.44	4.49	0.00	30.65	8.44	4.49	0.00
28.10	8.44	4.49	0.00	30.70	8.44	4.49	0.00
28.15	8.44	4.49	0.00	30.75	8.44	4.49	0.00
28.20	8.44	4.49	0.00	30.80	8.44	4.49	0.00
28.25	8.44	4.49	0.00	30.85	8.44	4.49	0.00
28.30	8.44	4.49	0.00	30.90	8.44	4.49	0.00
28.35	8.44	4.49	0.00	30.95	8.44	4.49	0.00
28.40	8.44	4.49	0.00	31.00	8.44	4.49	0.00
28.45	8.44	4.49	0.00	31.05	8.44	4.49	0.00
28.50	8.44	4.49	0.00	31.10	8.44	4.49	0.00
28.55	8.44	4.49	0.00	31.15	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.49	0.00	33.80	8.44	4.49	0.00
31.25	8.44	4.49	0.00	33.85	8.44	4.49	0.00
31.30	8.44	4.49	0.00	33.90	8.44	4.49	0.00
31.35	8.44	4.49	0.00	33.95	8.44	4.49	0.00
31.40	8.44	4.49	0.00	34.00	8.44	4.49	0.00
31.45	8.44	4.49	0.00	34.05	8.44	4.49	0.00
31.50	8.44	4.49	0.00	34.10	8.44	4.49	0.00
31.55	8.44	4.49	0.00	34.15	8.44	4.49	0.00
31.60	8.44	4.49	0.00	34.20	8.44	4.49	0.00
31.65	8.44	4.49	0.00	34.25	8.44	4.49	0.00
31.70	8.44	4.49	0.00	34.30	8.44	4.49	0.00
31.75	8.44	4.49	0.00	34.35	8.44	4.49	0.00
31.80	8.44	4.49	0.00	34.40	8.44	4.49	0.00
31.85	8.44	4.49	0.00	34.45	8.44	4.49	0.00
31.90	8.44	4.49	0.00	34.50	8.44	4.49	0.00
31.95	8.44	4.49	0.00	34.55	8.44	4.49	0.00
32.00	8.44	4.49	0.00	34.60	8.44	4.49	0.00
32.05	8.44	4.49	0.00	34.65	8.44	4.49	0.00
32.10	8.44	4.49	0.00	34.70	8.44	4.49	0.00
32.15	8.44	4.49	0.00	34.75	8.44	4.49	0.00
32.20	8.44	4.49	0.00	34.80	8.44	4.49	0.00
32.25	8.44	4.49	0.00	34.85	8.44	4.49	0.00
32.30	8.44	4.49	0.00	34.90	8.44	4.49	0.00
32.35	8.44	4.49	0.00	34.95	8.44	4.49	0.00
32.40	8.44	4.49	0.00	35.00	8.44	4.49	0.00
32.45	8.44	4.49	0.00	35.05	8.44	4.49	0.00
32.50	8.44	4.49	0.00	35.10	8.44	4.49	0.00
32.55	8.44	4.49	0.00	35.15	8.44	4.49	0.00
32.60	8.44	4.49	0.00	35.20	8.44	4.49	0.00
32.65	8.44	4.49	0.00	35.25	8.44	4.49	0.00
32.70	8.44	4.49	0.00	35.30	8.44	4.49	0.00
32.75	8.44	4.49	0.00	35.35	8.44	4.49	0.00
32.80	8.44	4.49	0.00	35.40	8.44	4.49	0.00
32.85	8.44	4.49	0.00	35.45	8.44	4.49	0.00
32.90	8.44	4.49	0.00	35.50	8.44	4.49	0.00
32.95	8.44	4.49	0.00	35.55	8.44	4.49	0.00
33.00	8.44	4.49	0.00	35.60	8.44	4.49	0.00
33.05	8.44	4.49	0.00	35.65	8.44	4.49	0.00
33.10	8.44	4.49	0.00	35.70	8.44	4.49	0.00
33.15	8.44	4.49	0.00	35.75	8.44	4.49	0.00
33.20	8.44	4.49	0.00	35.80	8.44	4.49	0.00
33.25	8.44	4.49	0.00	35.85	8.44	4.49	0.00
33.30	8.44	4.49	0.00	35.90	8.44	4.49	0.00
33.35	8.44	4.49	0.00	35.95	8.44	4.49	0.00
33.40	8.44	4.49	0.00	36.00	8.44	4.49	0.00
33.45	8.44	4.49	0.00	36.05	8.44	4.49	0.00
33.50	8.44	4.49	0.00	36.10	8.44	4.49	0.00
33.55	8.44	4.49	0.00	36.15	8.44	4.49	0.00
33.60	8.44	4.49	0.00	36.20	8.44	4.49	0.00
33.65	8.44	4.49	0.00	36.25	8.44	4.49	0.00
33.70	8.44	4.49	0.00	36.30	8.44	4.49	0.00
33.75	8.44	4.49	0.00	36.35	8.44	4.49	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.49	0.00
36.45	8.44	4.49	0.00
36.50	8.44	4.49	0.00
36.55	8.44	4.49	0.00
36.60	8.44	4.49	0.00
36.65	8.44	4.49	0.00
36.70	8.44	4.49	0.00
36.75	8.44	4.49	0.00
36.80	8.44	4.49	0.00
36.85	8.44	4.49	0.00
36.90	8.44	4.49	0.00
36.95	8.44	4.49	0.00
37.00	8.44	4.49	0.00
37.05	8.44	4.49	0.00
37.10	8.44	4.49	0.00
37.15	8.44	4.49	0.00
37.20	8.44	4.49	0.00
37.25	8.44	4.49	0.00
37.30	8.44	4.49	0.00
37.35	8.44	4.49	0.00
37.40	8.44	4.49	0.00
37.45	8.44	4.49	0.00
37.50	8.44	4.49	0.00
37.55	8.44	4.49	0.00
37.60	8.44	4.49	0.00
37.65	8.44	4.49	0.00
37.70	8.44	4.49	0.00
37.75	8.44	4.49	0.00
37.80	8.44	4.49	0.00
37.85	8.44	4.49	0.00
37.90	8.44	4.49	0.00
37.95	8.44	4.49	0.00
38.00	8.44	4.49	0.00
38.05	8.44	4.49	0.00
38.10	8.44	4.49	0.00
38.15	8.44	4.49	0.00
38.20	8.44	4.49	0.00
38.25	8.44	4.49	0.00
38.30	8.44	4.49	0.00
38.35	8.44	4.49	0.00
38.40	8.44	4.49	0.00
38.45	8.44	4.49	0.00
38.50	8.44	4.49	0.00
38.55	8.44	4.49	0.00
38.60	8.44	4.49	0.00
38.65	8.44	4.49	0.00
38.70	8.44	4.49	0.00
38.75	8.44	4.49	0.00
38.80	8.44	4.49	0.00
38.85	8.44	4.49	0.00
38.90	8.44	4.49	0.00
38.95	8.44	4.49	0.00
39.00	8.44	4.49	0.00
39.05	8.44	4.49	0.00
39.10	8.44	4.49	0.00
39.15	8.44	4.49	0.00
39.20	8.44	4.49	0.00
39.25	8.44	4.49	0.00
39.30	8.44	4.49	0.00
39.35	8.44	4.49	0.00
39.40	8.44	4.49	0.00
39.45	8.44	4.49	0.00
39.50	8.44	4.49	0.00
39.55	8.44	4.49	0.00
39.60	8.44	4.49	0.00
39.65	8.44	4.49	0.00
39.70	8.44	4.49	0.00
39.75	8.44	4.49	0.00
39.80	8.44	4.49	0.00
39.85	8.44	4.49	0.00
39.90	8.44	4.49	0.00
39.95	8.44	4.49	0.00
40.00	8.44	4.49	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

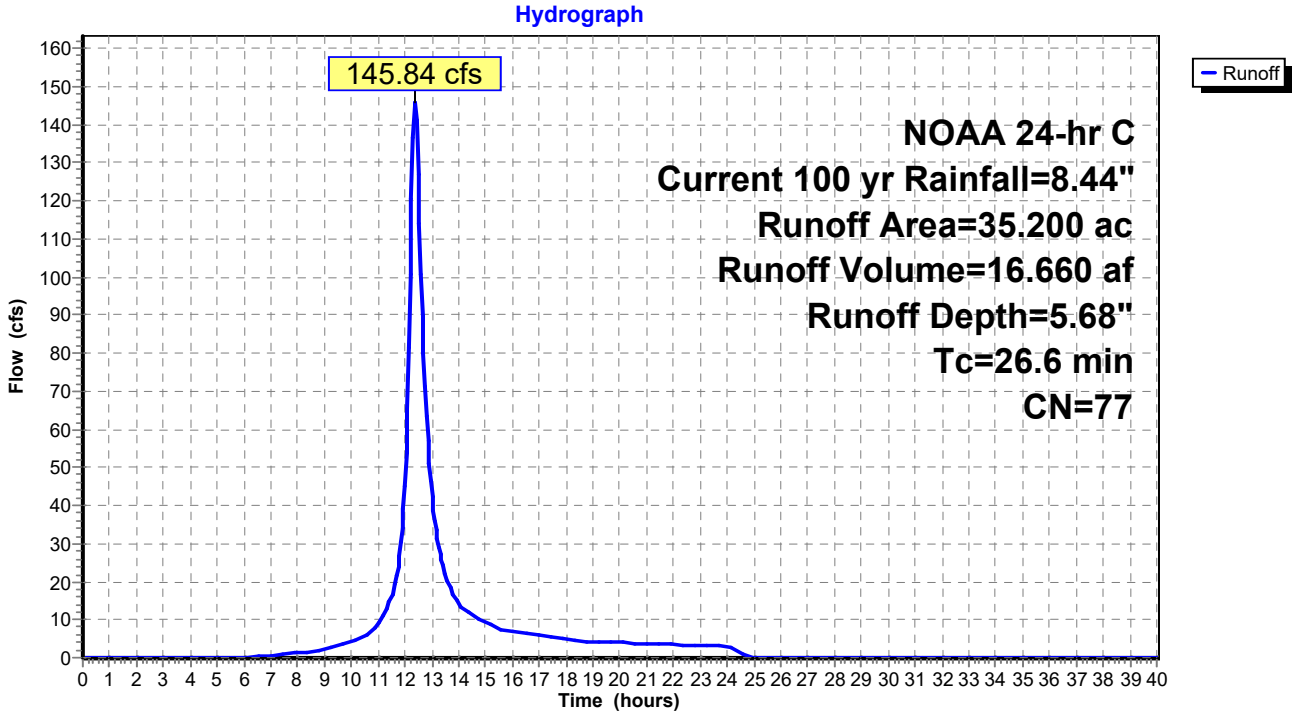
Runoff = 145.84 cfs @ 12.37 hrs, Volume= 16.660 af, Depth= 5.68"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.04	1.13
5.25	0.57	0.00	0.00	7.85	0.98	0.04	1.17
5.30	0.58	0.00	0.00	7.90	0.99	0.05	1.21
5.35	0.58	0.00	0.00	7.95	1.00	0.05	1.25
5.40	0.59	0.00	0.00	8.00	1.01	0.05	1.29
5.45	0.60	0.00	0.00	8.05	1.02	0.05	1.34
5.50	0.60	0.00	0.00	8.10	1.03	0.06	1.38
5.55	0.61	0.00	0.00	8.15	1.04	0.06	1.42
5.60	0.62	0.00	0.00	8.20	1.05	0.06	1.47
5.65	0.62	0.00	0.00	8.25	1.06	0.06	1.52
5.70	0.63	0.00	0.00	8.30	1.07	0.07	1.56
5.75	0.64	0.00	0.01	8.35	1.08	0.07	1.61
5.80	0.64	0.00	0.02	8.40	1.10	0.07	1.65
5.85	0.65	0.00	0.02	8.45	1.11	0.07	1.70
5.90	0.66	0.00	0.04	8.50	1.12	0.08	1.75
5.95	0.66	0.00	0.05	8.55	1.13	0.08	1.80
6.00	0.67	0.00	0.07	8.60	1.14	0.08	1.85
6.05	0.68	0.00	0.08	8.65	1.15	0.09	1.90
6.10	0.68	0.00	0.10	8.70	1.16	0.09	1.95
6.15	0.69	0.00	0.12	8.75	1.17	0.09	2.00
6.20	0.70	0.00	0.14	8.80	1.19	0.10	2.05
6.25	0.70	0.00	0.16	8.85	1.20	0.10	2.10
6.30	0.71	0.00	0.18	8.90	1.21	0.10	2.15
6.35	0.72	0.00	0.20	8.95	1.22	0.11	2.20
6.40	0.73	0.01	0.23	9.00	1.23	0.11	2.26
6.45	0.73	0.01	0.25	9.05	1.25	0.12	2.31
6.50	0.74	0.01	0.27	9.10	1.26	0.12	2.37
6.55	0.75	0.01	0.30	9.15	1.27	0.12	2.42
6.60	0.76	0.01	0.32	9.20	1.28	0.13	2.49
6.65	0.77	0.01	0.35	9.25	1.30	0.13	2.55
6.70	0.77	0.01	0.38	9.30	1.31	0.14	2.63
6.75	0.78	0.01	0.41	9.35	1.33	0.14	2.72
6.80	0.79	0.01	0.43	9.40	1.34	0.15	2.81
6.85	0.80	0.01	0.46	9.45	1.35	0.15	2.91
6.90	0.81	0.01	0.49	9.50	1.37	0.16	3.01
6.95	0.81	0.01	0.52	9.55	1.39	0.16	3.12
7.00	0.82	0.02	0.55	9.60	1.40	0.17	3.24
7.05	0.83	0.02	0.58	9.65	1.42	0.18	3.36
7.10	0.84	0.02	0.62	9.70	1.43	0.18	3.48
7.15	0.85	0.02	0.65	9.75	1.45	0.19	3.60
7.20	0.86	0.02	0.68	9.80	1.47	0.20	3.73
7.25	0.87	0.02	0.72	9.85	1.49	0.20	3.87
7.30	0.88	0.02	0.75	9.90	1.50	0.21	4.00
7.35	0.89	0.03	0.79	9.95	1.52	0.22	4.14
7.40	0.89	0.03	0.82	10.00	1.54	0.23	4.28
7.45	0.90	0.03	0.86	10.05	1.56	0.23	4.43
7.50	0.91	0.03	0.89	10.10	1.58	0.24	4.57
7.55	0.92	0.03	0.93	10.15	1.60	0.25	4.73
7.60	0.93	0.03	0.97	10.20	1.62	0.26	4.88
7.65	0.94	0.04	1.01	10.25	1.64	0.27	5.03
7.70	0.95	0.04	1.05	10.30	1.66	0.28	5.19
7.75	0.96	0.04	1.09	10.35	1.68	0.29	5.35

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.30	5.52	13.00	6.41	3.84	42.24
10.45	1.72	0.31	5.68	13.05	6.45	3.87	38.83
10.50	1.74	0.32	5.85	13.10	6.48	3.90	35.93
10.55	1.76	0.33	6.03	13.15	6.51	3.93	33.40
10.60	1.79	0.34	6.21	13.20	6.54	3.96	31.13
10.65	1.81	0.35	6.40	13.25	6.57	3.98	29.10
10.70	1.84	0.36	6.63	13.30	6.60	4.01	27.28
10.75	1.87	0.38	6.89	13.35	6.63	4.03	25.65
10.80	1.90	0.39	7.19	13.40	6.65	4.06	24.18
10.85	1.93	0.41	7.54	13.45	6.68	4.08	22.86
10.90	1.96	0.43	7.93	13.50	6.70	4.10	21.65
10.95	1.99	0.44	8.36	13.55	6.72	4.12	20.54
11.00	2.03	0.46	8.82	13.60	6.74	4.14	19.55
11.05	2.06	0.48	9.32	13.65	6.76	4.15	18.63
11.10	2.10	0.50	9.84	13.70	6.78	4.17	17.77
11.15	2.14	0.53	10.40	13.75	6.80	4.19	16.97
11.20	2.19	0.55	11.02	13.80	6.82	4.21	16.23
11.25	2.23	0.58	11.70	13.85	6.84	4.23	15.57
11.30	2.28	0.61	12.45	13.90	6.86	4.24	14.99
11.35	2.33	0.64	13.28	13.95	6.88	4.26	14.49
11.40	2.38	0.67	14.19	14.00	6.90	4.28	14.06
11.45	2.44	0.70	15.15	14.05	6.92	4.29	13.69
11.50	2.49	0.74	16.17	14.10	6.94	4.31	13.37
11.55	2.58	0.79	17.26	14.15	6.95	4.33	13.08
11.60	2.66	0.85	18.47	14.20	6.97	4.34	12.80
11.65	2.75	0.90	19.94	14.25	6.99	4.36	12.55
11.70	2.84	0.96	21.80	14.30	7.01	4.37	12.31
11.75	2.97	1.05	24.11	14.35	7.02	4.39	12.09
11.80	3.09	1.13	26.88	14.40	7.04	4.40	11.87
11.85	3.26	1.26	30.15	14.45	7.05	4.41	11.65
11.90	3.43	1.38	34.05	14.50	7.07	4.43	11.44
11.95	3.73	1.60	38.93	14.55	7.09	4.44	11.24
12.00	4.02	1.83	45.31	14.60	7.10	4.46	11.03
12.05	4.52	2.22	53.72	14.65	7.11	4.47	10.83
12.10	5.01	2.63	65.54	14.70	7.13	4.48	10.63
12.15	5.18	2.77	81.52	14.75	7.14	4.49	10.43
12.20	5.35	2.92	100.78	14.80	7.16	4.51	10.23
12.25	5.47	3.02	120.71	14.85	7.17	4.52	10.03
12.30	5.60	3.13	136.66	14.90	7.18	4.53	9.83
12.35	5.69	3.21	**144.84**	14.95	7.19	4.54	9.63
12.40	5.78	3.28	144.80	15.00	7.21	4.55	9.43
12.45	5.86	3.36	138.18	15.05	7.22	4.56	9.23
12.50	5.95	3.43	127.18	15.10	7.23	4.57	9.03
12.55	6.00	3.48	113.93	15.15	7.24	4.58	8.83
12.60	6.06	3.53	100.93	15.20	7.25	4.60	8.63
12.65	6.11	3.57	89.67	15.25	7.27	4.61	8.44
12.70	6.16	3.62	79.96	15.30	7.28	4.62	8.26
12.75	6.21	3.66	71.30	15.35	7.29	4.63	8.10
12.80	6.25	3.70	63.62	15.40	7.30	4.64	7.96
12.85	6.30	3.74	56.96	15.45	7.31	4.65	7.83
12.90	6.34	3.78	51.23	15.50	7.32	4.66	7.72
12.95	6.38	3.81	46.34	15.55	7.33	4.67	7.62

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.68	7.54	18.20	7.80	5.09	4.69
15.65	7.36	4.69	7.46	18.25	7.80	5.10	4.64
15.70	7.37	4.70	7.39	18.30	7.81	5.10	4.59
15.75	7.38	4.71	7.33	18.35	7.82	5.11	4.55
15.80	7.39	4.72	7.27	18.40	7.82	5.11	4.51
15.85	7.40	4.72	7.20	18.45	7.83	5.12	4.47
15.90	7.41	4.73	7.14	18.50	7.84	5.13	4.44
15.95	7.42	4.74	7.09	18.55	7.84	5.13	4.42
16.00	7.43	4.75	7.03	18.60	7.85	5.14	4.40
16.05	7.44	4.76	6.98	18.65	7.86	5.14	4.38
16.10	7.45	4.77	6.92	18.70	7.86	5.15	4.36
16.15	7.46	4.78	6.87	18.75	7.87	5.16	4.34
16.20	7.47	4.79	6.81	18.80	7.88	5.16	4.33
16.25	7.48	4.80	6.76	18.85	7.88	5.17	4.31
16.30	7.49	4.81	6.71	18.90	7.89	5.17	4.30
16.35	7.50	4.82	6.66	18.95	7.90	5.18	4.28
16.40	7.51	4.83	6.61	19.00	7.90	5.19	4.27
16.45	7.52	4.83	6.55	19.05	7.91	5.19	4.25
16.50	7.53	4.84	6.50	19.10	7.92	5.20	4.24
16.55	7.54	4.85	6.45	19.15	7.92	5.20	4.23
16.60	7.55	4.86	6.39	19.20	7.93	5.21	4.21
16.65	7.55	4.87	6.34	19.25	7.93	5.21	4.20
16.70	7.56	4.88	6.29	19.30	7.94	5.22	4.19
16.75	7.57	4.88	6.23	19.35	7.95	5.23	4.17
16.80	7.58	4.89	6.18	19.40	7.95	5.23	4.16
16.85	7.59	4.90	6.13	19.45	7.96	5.24	4.15
16.90	7.60	4.91	6.08	19.50	7.97	5.24	4.13
16.95	7.61	4.92	6.02	19.55	7.97	5.25	4.12
17.00	7.62	4.92	5.97	19.60	7.98	5.25	4.11
17.05	7.63	4.93	5.92	19.65	7.98	5.26	4.09
17.10	7.63	4.94	5.86	19.70	7.99	5.27	4.08
17.15	7.64	4.95	5.81	19.75	8.00	5.27	4.07
17.20	7.65	4.95	5.76	19.80	8.00	5.28	4.05
17.25	7.66	4.96	5.71	19.85	8.01	5.28	4.04
17.30	7.67	4.97	5.65	19.90	8.01	5.29	4.03
17.35	7.67	4.98	5.60	19.95	8.02	5.29	4.02
17.40	7.68	4.98	5.55	20.00	8.03	5.30	4.01
17.45	7.69	4.99	5.49	20.05	8.03	5.30	3.99
17.50	7.70	5.00	5.44	20.10	8.04	5.31	3.98
17.55	7.71	5.01	5.38	20.15	8.04	5.32	3.97
17.60	7.71	5.01	5.33	20.20	8.05	5.32	3.95
17.65	7.72	5.02	5.28	20.25	8.06	5.33	3.94
17.70	7.73	5.03	5.22	20.30	8.06	5.33	3.92
17.75	7.74	5.03	5.17	20.35	8.07	5.34	3.91
17.80	7.74	5.04	5.12	20.40	8.07	5.34	3.89
17.85	7.75	5.05	5.06	20.45	8.08	5.35	3.88
17.90	7.76	5.05	5.01	20.50	8.09	5.35	3.87
17.95	7.76	5.06	4.96	20.55	8.09	5.36	3.85
18.00	7.77	5.06	4.90	20.60	8.10	5.36	3.84
18.05	7.78	5.07	4.85	20.65	8.10	5.37	3.83
18.10	7.78	5.08	4.80	20.70	8.11	5.37	3.82
18.15	7.79	5.08	4.74	20.75	8.11	5.38	3.80

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.38	3.79	23.40	8.38	5.63	3.09
20.85	8.13	5.39	3.78	23.45	8.39	5.63	3.08
20.90	8.13	5.39	3.77	23.50	8.39	5.64	3.06
20.95	8.14	5.40	3.75	23.55	8.40	5.64	3.05
21.00	8.14	5.40	3.74	23.60	8.40	5.65	3.04
21.05	8.15	5.41	3.72	23.65	8.41	5.65	3.02
21.10	8.15	5.42	3.71	23.70	8.41	5.65	3.01
21.15	8.16	5.42	3.69	23.75	8.42	5.66	3.00
21.20	8.16	5.43	3.68	23.80	8.42	5.66	2.98
21.25	8.17	5.43	3.67	23.85	8.42	5.67	2.97
21.30	8.18	5.44	3.65	23.90	8.43	5.67	2.96
21.35	8.18	5.44	3.64	23.95	8.43	5.67	2.95
21.40	8.19	5.45	3.63	24.00	**8.44**	**5.68**	2.94
21.45	8.19	5.45	3.62	24.05	8.44	5.68	2.94
21.50	8.20	5.46	3.60	24.10	8.44	5.68	2.94
21.55	8.20	5.46	3.59	24.15	8.44	5.68	2.90
21.60	8.21	5.46	3.58	24.20	8.44	5.68	2.76
21.65	8.21	5.47	3.56	24.25	8.44	5.68	2.50
21.70	8.22	5.47	3.55	24.30	8.44	5.68	2.15
21.75	8.22	5.48	3.53	24.35	8.44	5.68	1.77
21.80	8.23	5.48	3.52	24.40	8.44	5.68	1.40
21.85	8.23	5.49	3.51	24.45	8.44	5.68	1.07
21.90	8.24	5.49	3.50	24.50	8.44	5.68	0.80
21.95	8.24	5.50	3.48	24.55	8.44	5.68	0.60
22.00	8.25	5.50	3.47	24.60	8.44	5.68	0.46
22.05	8.25	5.51	3.46	24.65	8.44	5.68	0.35
22.10	8.26	5.51	3.44	24.70	8.44	5.68	0.26
22.15	8.26	5.52	3.43	24.75	8.44	5.68	0.20
22.20	8.27	5.52	3.42	24.80	8.44	5.68	0.15
22.25	8.27	5.53	3.40	24.85	8.44	5.68	0.11
22.30	8.28	5.53	3.39	24.90	8.44	5.68	0.08
22.35	8.28	5.54	3.38	24.95	8.44	5.68	0.06
22.40	8.29	5.54	3.36	25.00	8.44	5.68	0.05
22.45	8.29	5.55	3.35	25.05	8.44	5.68	0.04
22.50	8.30	5.55	3.34	25.10	8.44	5.68	0.03
22.55	8.30	5.55	3.32	25.15	8.44	5.68	0.02
22.60	8.31	5.56	3.31	25.20	8.44	5.68	0.01
22.65	8.31	5.56	3.29	25.25	8.44	5.68	0.01
22.70	8.32	5.57	3.28	25.30	8.44	5.68	0.01
22.75	8.32	5.57	3.27	25.35	8.44	5.68	0.00
22.80	8.33	5.58	3.26	25.40	8.44	5.68	0.00
22.85	8.33	5.58	3.24	25.45	8.44	5.68	0.00
22.90	8.34	5.59	3.23	25.50	8.44	5.68	0.00
22.95	8.34	5.59	3.21	25.55	8.44	5.68	0.00
23.00	8.35	5.59	3.20	25.60	8.44	5.68	0.00
23.05	8.35	5.60	3.18	25.65	8.44	5.68	0.00
23.10	8.36	5.60	3.17	25.70	8.44	5.68	0.00
23.15	8.36	5.61	3.16	25.75	8.44	5.68	0.00
23.20	8.37	5.61	3.15	25.80	8.44	5.68	0.00
23.25	8.37	5.62	3.13	25.85	8.44	5.68	0.00
23.30	8.38	5.62	3.12	25.90	8.44	5.68	0.00
23.35	8.38	5.62	3.10	25.95	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.68	0.00	28.60	8.44	5.68	0.00
26.05	8.44	5.68	0.00	28.65	8.44	5.68	0.00
26.10	8.44	5.68	0.00	28.70	8.44	5.68	0.00
26.15	8.44	5.68	0.00	28.75	8.44	5.68	0.00
26.20	8.44	5.68	0.00	28.80	8.44	5.68	0.00
26.25	8.44	5.68	0.00	28.85	8.44	5.68	0.00
26.30	8.44	5.68	0.00	28.90	8.44	5.68	0.00
26.35	8.44	5.68	0.00	28.95	8.44	5.68	0.00
26.40	8.44	5.68	0.00	29.00	8.44	5.68	0.00
26.45	8.44	5.68	0.00	29.05	8.44	5.68	0.00
26.50	8.44	5.68	0.00	29.10	8.44	5.68	0.00
26.55	8.44	5.68	0.00	29.15	8.44	5.68	0.00
26.60	8.44	5.68	0.00	29.20	8.44	5.68	0.00
26.65	8.44	5.68	0.00	29.25	8.44	5.68	0.00
26.70	8.44	5.68	0.00	29.30	8.44	5.68	0.00
26.75	8.44	5.68	0.00	29.35	8.44	5.68	0.00
26.80	8.44	5.68	0.00	29.40	8.44	5.68	0.00
26.85	8.44	5.68	0.00	29.45	8.44	5.68	0.00
26.90	8.44	5.68	0.00	29.50	8.44	5.68	0.00
26.95	8.44	5.68	0.00	29.55	8.44	5.68	0.00
27.00	8.44	5.68	0.00	29.60	8.44	5.68	0.00
27.05	8.44	5.68	0.00	29.65	8.44	5.68	0.00
27.10	8.44	5.68	0.00	29.70	8.44	5.68	0.00
27.15	8.44	5.68	0.00	29.75	8.44	5.68	0.00
27.20	8.44	5.68	0.00	29.80	8.44	5.68	0.00
27.25	8.44	5.68	0.00	29.85	8.44	5.68	0.00
27.30	8.44	5.68	0.00	29.90	8.44	5.68	0.00
27.35	8.44	5.68	0.00	29.95	8.44	5.68	0.00
27.40	8.44	5.68	0.00	30.00	8.44	5.68	0.00
27.45	8.44	5.68	0.00	30.05	8.44	5.68	0.00
27.50	8.44	5.68	0.00	30.10	8.44	5.68	0.00
27.55	8.44	5.68	0.00	30.15	8.44	5.68	0.00
27.60	8.44	5.68	0.00	30.20	8.44	5.68	0.00
27.65	8.44	5.68	0.00	30.25	8.44	5.68	0.00
27.70	8.44	5.68	0.00	30.30	8.44	5.68	0.00
27.75	8.44	5.68	0.00	30.35	8.44	5.68	0.00
27.80	8.44	5.68	0.00	30.40	8.44	5.68	0.00
27.85	8.44	5.68	0.00	30.45	8.44	5.68	0.00
27.90	8.44	5.68	0.00	30.50	8.44	5.68	0.00
27.95	8.44	5.68	0.00	30.55	8.44	5.68	0.00
28.00	8.44	5.68	0.00	30.60	8.44	5.68	0.00
28.05	8.44	5.68	0.00	30.65	8.44	5.68	0.00
28.10	8.44	5.68	0.00	30.70	8.44	5.68	0.00
28.15	8.44	5.68	0.00	30.75	8.44	5.68	0.00
28.20	8.44	5.68	0.00	30.80	8.44	5.68	0.00
28.25	8.44	5.68	0.00	30.85	8.44	5.68	0.00
28.30	8.44	5.68	0.00	30.90	8.44	5.68	0.00
28.35	8.44	5.68	0.00	30.95	8.44	5.68	0.00
28.40	8.44	5.68	0.00	31.00	8.44	5.68	0.00
28.45	8.44	5.68	0.00	31.05	8.44	5.68	0.00
28.50	8.44	5.68	0.00	31.10	8.44	5.68	0.00
28.55	8.44	5.68	0.00	31.15	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.68	0.00	33.80	8.44	5.68	0.00
31.25	8.44	5.68	0.00	33.85	8.44	5.68	0.00
31.30	8.44	5.68	0.00	33.90	8.44	5.68	0.00
31.35	8.44	5.68	0.00	33.95	8.44	5.68	0.00
31.40	8.44	5.68	0.00	34.00	8.44	5.68	0.00
31.45	8.44	5.68	0.00	34.05	8.44	5.68	0.00
31.50	8.44	5.68	0.00	34.10	8.44	5.68	0.00
31.55	8.44	5.68	0.00	34.15	8.44	5.68	0.00
31.60	8.44	5.68	0.00	34.20	8.44	5.68	0.00
31.65	8.44	5.68	0.00	34.25	8.44	5.68	0.00
31.70	8.44	5.68	0.00	34.30	8.44	5.68	0.00
31.75	8.44	5.68	0.00	34.35	8.44	5.68	0.00
31.80	8.44	5.68	0.00	34.40	8.44	5.68	0.00
31.85	8.44	5.68	0.00	34.45	8.44	5.68	0.00
31.90	8.44	5.68	0.00	34.50	8.44	5.68	0.00
31.95	8.44	5.68	0.00	34.55	8.44	5.68	0.00
32.00	8.44	5.68	0.00	34.60	8.44	5.68	0.00
32.05	8.44	5.68	0.00	34.65	8.44	5.68	0.00
32.10	8.44	5.68	0.00	34.70	8.44	5.68	0.00
32.15	8.44	5.68	0.00	34.75	8.44	5.68	0.00
32.20	8.44	5.68	0.00	34.80	8.44	5.68	0.00
32.25	8.44	5.68	0.00	34.85	8.44	5.68	0.00
32.30	8.44	5.68	0.00	34.90	8.44	5.68	0.00
32.35	8.44	5.68	0.00	34.95	8.44	5.68	0.00
32.40	8.44	5.68	0.00	35.00	8.44	5.68	0.00
32.45	8.44	5.68	0.00	35.05	8.44	5.68	0.00
32.50	8.44	5.68	0.00	35.10	8.44	5.68	0.00
32.55	8.44	5.68	0.00	35.15	8.44	5.68	0.00
32.60	8.44	5.68	0.00	35.20	8.44	5.68	0.00
32.65	8.44	5.68	0.00	35.25	8.44	5.68	0.00
32.70	8.44	5.68	0.00	35.30	8.44	5.68	0.00
32.75	8.44	5.68	0.00	35.35	8.44	5.68	0.00
32.80	8.44	5.68	0.00	35.40	8.44	5.68	0.00
32.85	8.44	5.68	0.00	35.45	8.44	5.68	0.00
32.90	8.44	5.68	0.00	35.50	8.44	5.68	0.00
32.95	8.44	5.68	0.00	35.55	8.44	5.68	0.00
33.00	8.44	5.68	0.00	35.60	8.44	5.68	0.00
33.05	8.44	5.68	0.00	35.65	8.44	5.68	0.00
33.10	8.44	5.68	0.00	35.70	8.44	5.68	0.00
33.15	8.44	5.68	0.00	35.75	8.44	5.68	0.00
33.20	8.44	5.68	0.00	35.80	8.44	5.68	0.00
33.25	8.44	5.68	0.00	35.85	8.44	5.68	0.00
33.30	8.44	5.68	0.00	35.90	8.44	5.68	0.00
33.35	8.44	5.68	0.00	35.95	8.44	5.68	0.00
33.40	8.44	5.68	0.00	36.00	8.44	5.68	0.00
33.45	8.44	5.68	0.00	36.05	8.44	5.68	0.00
33.50	8.44	5.68	0.00	36.10	8.44	5.68	0.00
33.55	8.44	5.68	0.00	36.15	8.44	5.68	0.00
33.60	8.44	5.68	0.00	36.20	8.44	5.68	0.00
33.65	8.44	5.68	0.00	36.25	8.44	5.68	0.00
33.70	8.44	5.68	0.00	36.30	8.44	5.68	0.00
33.75	8.44	5.68	0.00	36.35	8.44	5.68	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.68	0.00
36.45	8.44	5.68	0.00
36.50	8.44	5.68	0.00
36.55	8.44	5.68	0.00
36.60	8.44	5.68	0.00
36.65	8.44	5.68	0.00
36.70	8.44	5.68	0.00
36.75	8.44	5.68	0.00
36.80	8.44	5.68	0.00
36.85	8.44	5.68	0.00
36.90	8.44	5.68	0.00
36.95	8.44	5.68	0.00
37.00	8.44	5.68	0.00
37.05	8.44	5.68	0.00
37.10	8.44	5.68	0.00
37.15	8.44	5.68	0.00
37.20	8.44	5.68	0.00
37.25	8.44	5.68	0.00
37.30	8.44	5.68	0.00
37.35	8.44	5.68	0.00
37.40	8.44	5.68	0.00
37.45	8.44	5.68	0.00
37.50	8.44	5.68	0.00
37.55	8.44	5.68	0.00
37.60	8.44	5.68	0.00
37.65	8.44	5.68	0.00
37.70	8.44	5.68	0.00
37.75	8.44	5.68	0.00
37.80	8.44	5.68	0.00
37.85	8.44	5.68	0.00
37.90	8.44	5.68	0.00
37.95	8.44	5.68	0.00
38.00	8.44	5.68	0.00
38.05	8.44	5.68	0.00
38.10	8.44	5.68	0.00
38.15	8.44	5.68	0.00
38.20	8.44	5.68	0.00
38.25	8.44	5.68	0.00
38.30	8.44	5.68	0.00
38.35	8.44	5.68	0.00
38.40	8.44	5.68	0.00
38.45	8.44	5.68	0.00
38.50	8.44	5.68	0.00
38.55	8.44	5.68	0.00
38.60	8.44	5.68	0.00
38.65	8.44	5.68	0.00
38.70	8.44	5.68	0.00
38.75	8.44	5.68	0.00
38.80	8.44	5.68	0.00
38.85	8.44	5.68	0.00
38.90	8.44	5.68	0.00
38.95	8.44	5.68	0.00
39.00	8.44	5.68	0.00
39.05	8.44	5.68	0.00
39.10	8.44	5.68	0.00
39.15	8.44	5.68	0.00
39.20	8.44	5.68	0.00
39.25	8.44	5.68	0.00
39.30	8.44	5.68	0.00
39.35	8.44	5.68	0.00
39.40	8.44	5.68	0.00
39.45	8.44	5.68	0.00
39.50	8.44	5.68	0.00
39.55	8.44	5.68	0.00
39.60	8.44	5.68	0.00
39.65	8.44	5.68	0.00
39.70	8.44	5.68	0.00
39.75	8.44	5.68	0.00
39.80	8.44	5.68	0.00
39.85	8.44	5.68	0.00
39.90	8.44	5.68	0.00
39.95	8.44	5.68	0.00
40.00	8.44	5.68	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

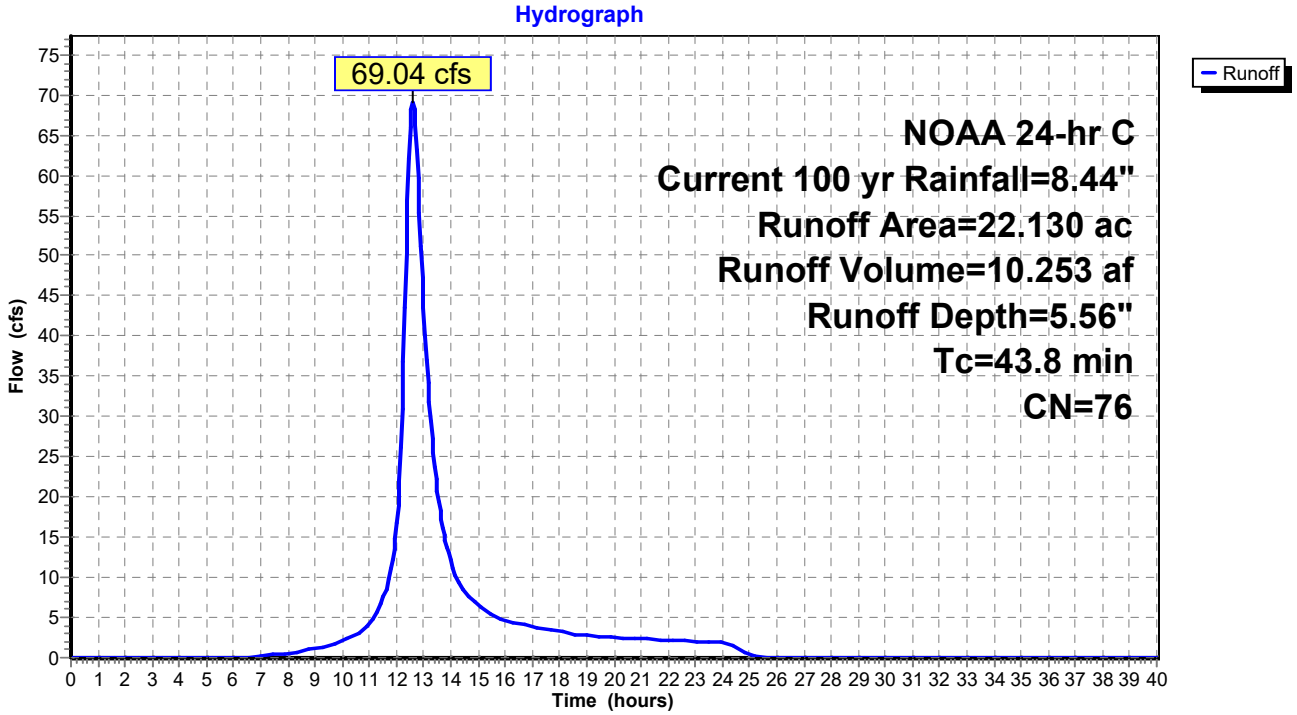
Runoff = 69.04 cfs @ 12.60 hrs, Volume= 10.253 af, Depth= 5.56"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.03	0.49
5.25	0.57	0.00	0.00	7.85	0.98	0.03	0.51
5.30	0.58	0.00	0.00	7.90	0.99	0.04	0.53
5.35	0.58	0.00	0.00	7.95	1.00	0.04	0.56
5.40	0.59	0.00	0.00	8.00	1.01	0.04	0.58
5.45	0.60	0.00	0.00	8.05	1.02	0.04	0.60
5.50	0.60	0.00	0.00	8.10	1.03	0.05	0.63
5.55	0.61	0.00	0.00	8.15	1.04	0.05	0.65
5.60	0.62	0.00	0.00	8.20	1.05	0.05	0.68
5.65	0.62	0.00	0.00	8.25	1.06	0.05	0.70
5.70	0.63	0.00	0.00	8.30	1.07	0.05	0.73
5.75	0.64	0.00	0.00	8.35	1.08	0.06	0.76
5.80	0.64	0.00	0.00	8.40	1.10	0.06	0.78
5.85	0.65	0.00	0.00	8.45	1.11	0.06	0.81
5.90	0.66	0.00	0.00	8.50	1.12	0.06	0.84
5.95	0.66	0.00	0.00	8.55	1.13	0.07	0.86
6.00	0.67	0.00	0.00	8.60	1.14	0.07	0.89
6.05	0.68	0.00	0.00	8.65	1.15	0.07	0.92
6.10	0.68	0.00	0.00	8.70	1.16	0.08	0.95
6.15	0.69	0.00	0.01	8.75	1.17	0.08	0.98
6.20	0.70	0.00	0.01	8.80	1.19	0.08	1.01
6.25	0.70	0.00	0.01	8.85	1.20	0.09	1.04
6.30	0.71	0.00	0.02	8.90	1.21	0.09	1.07
6.35	0.72	0.00	0.02	8.95	1.22	0.09	1.10
6.40	0.73	0.00	0.03	9.00	1.23	0.10	1.13
6.45	0.73	0.00	0.04	9.05	1.25	0.10	1.16
6.50	0.74	0.00	0.05	9.10	1.26	0.10	1.19
6.55	0.75	0.00	0.06	9.15	1.27	0.11	1.22
6.60	0.76	0.00	0.07	9.20	1.28	0.11	1.25
6.65	0.77	0.01	0.08	9.25	1.30	0.12	1.29
6.70	0.77	0.01	0.09	9.30	1.31	0.12	1.32
6.75	0.78	0.01	0.11	9.35	1.33	0.13	1.36
6.80	0.79	0.01	0.12	9.40	1.34	0.13	1.40
6.85	0.80	0.01	0.13	9.45	1.35	0.13	1.44
6.90	0.81	0.01	0.15	9.50	1.37	0.14	1.49
6.95	0.81	0.01	0.16	9.55	1.39	0.15	1.54
7.00	0.82	0.01	0.18	9.60	1.40	0.15	1.59
7.05	0.83	0.01	0.20	9.65	1.42	0.16	1.65
7.10	0.84	0.01	0.21	9.70	1.43	0.16	1.70
7.15	0.85	0.01	0.23	9.75	1.45	0.17	1.77
7.20	0.86	0.02	0.25	9.80	1.47	0.17	1.83
7.25	0.87	0.02	0.26	9.85	1.49	0.18	1.90
7.30	0.88	0.02	0.28	9.90	1.50	0.19	1.97
7.35	0.89	0.02	0.30	9.95	1.52	0.20	2.04
7.40	0.89	0.02	0.32	10.00	1.54	0.20	2.11
7.45	0.90	0.02	0.34	10.05	1.56	0.21	2.19
7.50	0.91	0.02	0.36	10.10	1.58	0.22	2.27
7.55	0.92	0.02	0.38	10.15	1.60	0.23	2.35
7.60	0.93	0.03	0.40	10.20	1.62	0.23	2.43
7.65	0.94	0.03	0.42	10.25	1.64	0.24	2.51
7.70	0.95	0.03	0.44	10.30	1.66	0.25	2.60
7.75	0.96	0.03	0.46	10.35	1.68	0.26	2.69

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.27	2.78	13.00	6.41	3.74	43.48
10.45	1.72	0.28	2.87	13.05	6.45	3.77	40.08
10.50	1.74	0.29	2.96	13.10	6.48	3.80	37.05
10.55	1.76	0.30	3.06	13.15	6.51	3.83	34.24
10.60	1.79	0.31	3.15	13.20	6.54	3.85	31.70
10.65	1.81	0.32	3.26	13.25	6.57	3.88	29.38
10.70	1.84	0.33	3.36	13.30	6.60	3.90	27.30
10.75	1.87	0.35	3.48	13.35	6.63	3.93	25.39
10.80	1.90	0.36	3.59	13.40	6.65	3.95	23.70
10.85	1.93	0.38	3.73	13.45	6.68	3.97	22.14
10.90	1.96	0.39	3.87	13.50	6.70	3.99	20.74
10.95	1.99	0.41	4.04	13.55	6.72	4.01	19.44
11.00	2.03	0.43	4.22	13.60	6.74	4.03	18.28
11.05	2.06	0.45	4.42	13.65	6.76	4.05	17.20
11.10	2.10	0.47	4.64	13.70	6.78	4.07	16.22
11.15	2.14	0.49	4.88	13.75	6.80	4.08	15.32
11.20	2.19	0.51	5.14	13.80	6.82	4.10	14.49
11.25	2.23	0.54	5.43	13.85	6.84	4.12	13.73
11.30	2.28	0.57	5.73	13.90	6.86	4.14	13.03
11.35	2.33	0.60	6.07	13.95	6.88	4.15	12.39
11.40	2.38	0.63	6.44	14.00	6.90	4.17	11.79
11.45	2.44	0.66	6.85	14.05	6.92	4.19	11.26
11.50	2.49	0.69	7.28	14.10	6.94	4.20	10.78
11.55	2.58	0.74	7.76	14.15	6.95	4.22	10.35
11.60	2.66	0.80	8.27	14.20	6.97	4.23	9.95
11.65	2.75	0.85	8.85	14.25	6.99	4.25	9.60
11.70	2.84	0.91	9.50	14.30	7.01	4.26	9.27
11.75	2.97	0.99	10.25	14.35	7.02	4.28	8.98
11.80	3.09	1.08	11.12	14.40	7.04	4.29	8.69
11.85	3.26	1.20	12.16	14.45	7.05	4.31	8.45
11.90	3.43	1.32	13.41	14.50	7.07	4.32	8.21
11.95	3.73	1.53	14.90	14.55	7.09	4.33	8.01
12.00	4.02	1.76	16.74	14.60	7.10	4.35	7.81
12.05	4.52	2.14	19.05	14.65	7.11	4.36	7.64
12.10	5.01	2.54	22.10	14.70	7.13	4.37	7.46
12.15	5.18	2.68	26.09	14.75	7.14	4.38	7.31
12.20	5.35	2.83	31.03	14.80	7.16	4.40	7.15
12.25	5.47	2.93	36.90	14.85	7.17	4.41	7.01
12.30	5.60	3.03	43.46	14.90	7.18	4.42	6.86
12.35	5.69	3.11	50.32	14.95	7.19	4.43	6.73
12.40	5.78	3.19	56.78	15.00	7.21	4.44	6.59
12.45	5.86	3.26	62.13	15.05	7.22	4.45	6.46
12.50	5.95	3.33	66.10	15.10	7.23	4.46	6.32
12.55	6.00	3.38	68.26	15.15	7.24	4.47	6.19
12.60	6.06	3.43	**69.04**	15.20	7.25	4.48	6.06
12.65	6.11	3.47	68.14	15.25	7.27	4.49	5.93
12.70	6.16	3.52	66.24	15.30	7.28	4.51	5.80
12.75	6.21	3.56	63.24	15.35	7.29	4.52	5.68
12.80	6.25	3.60	59.61	15.40	7.30	4.53	5.56
12.85	6.30	3.64	55.41	15.45	7.31	4.54	5.45
12.90	6.34	3.67	51.22	15.50	7.32	4.55	5.34
12.95	6.38	3.71	47.18	15.55	7.33	4.56	5.24

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.57	5.15	18.20	7.80	4.97	3.10
15.65	7.36	4.57	5.07	18.25	7.80	4.98	3.07
15.70	7.37	4.58	4.99	18.30	7.81	4.99	3.03
15.75	7.38	4.59	4.92	18.35	7.82	4.99	3.00
15.80	7.39	4.60	4.85	18.40	7.82	5.00	2.97
15.85	7.40	4.61	4.79	18.45	7.83	5.00	2.94
15.90	7.41	4.62	4.74	18.50	7.84	5.01	2.91
15.95	7.42	4.63	4.68	18.55	7.84	5.02	2.89
16.00	7.43	4.64	4.64	18.60	7.85	5.02	2.86
16.05	7.44	4.65	4.59	18.65	7.86	5.03	2.84
16.10	7.45	4.66	4.55	18.70	7.86	5.03	2.82
16.15	7.46	4.67	4.50	18.75	7.87	5.04	2.80
16.20	7.47	4.68	4.46	18.80	7.88	5.05	2.78
16.25	7.48	4.69	4.42	18.85	7.88	5.05	2.77
16.30	7.49	4.69	4.38	18.90	7.89	5.06	2.75
16.35	7.50	4.70	4.34	18.95	7.90	5.06	2.74
16.40	7.51	4.71	4.31	19.00	7.90	5.07	2.73
16.45	7.52	4.72	4.27	19.05	7.91	5.08	2.71
16.50	7.53	4.73	4.24	19.10	7.92	5.08	2.70
16.55	7.54	4.74	4.20	19.15	7.92	5.09	2.69
16.60	7.55	4.75	4.17	19.20	7.93	5.09	2.68
16.65	7.55	4.75	4.13	19.25	7.93	5.10	2.67
16.70	7.56	4.76	4.10	19.30	7.94	5.10	2.66
16.75	7.57	4.77	4.06	19.35	7.95	5.11	2.65
16.80	7.58	4.78	4.03	19.40	7.95	5.12	2.64
16.85	7.59	4.79	4.00	19.45	7.96	5.12	2.63
16.90	7.60	4.79	3.96	19.50	7.97	5.13	2.63
16.95	7.61	4.80	3.93	19.55	7.97	5.13	2.61
17.00	7.62	4.81	3.90	19.60	7.98	5.14	2.61
17.05	7.63	4.82	3.86	19.65	7.98	5.14	2.60
17.10	7.63	4.83	3.83	19.70	7.99	5.15	2.59
17.15	7.64	4.83	3.80	19.75	8.00	5.15	2.58
17.20	7.65	4.84	3.76	19.80	8.00	5.16	2.57
17.25	7.66	4.85	3.73	19.85	8.01	5.17	2.56
17.30	7.67	4.86	3.70	19.90	8.01	5.17	2.56
17.35	7.67	4.86	3.67	19.95	8.02	5.18	2.55
17.40	7.68	4.87	3.63	20.00	8.03	5.18	2.54
17.45	7.69	4.88	3.60	20.05	8.03	5.19	2.53
17.50	7.70	4.88	3.57	20.10	8.04	5.19	2.52
17.55	7.71	4.89	3.53	20.15	8.04	5.20	2.51
17.60	7.71	4.90	3.50	20.20	8.05	5.20	2.51
17.65	7.72	4.90	3.47	20.25	8.06	5.21	2.50
17.70	7.73	4.91	3.43	20.30	8.06	5.21	2.49
17.75	7.74	4.92	3.40	20.35	8.07	5.22	2.48
17.80	7.74	4.92	3.37	20.40	8.07	5.23	2.48
17.85	7.75	4.93	3.33	20.45	8.08	5.23	2.47
17.90	7.76	4.94	3.30	20.50	8.09	5.24	2.46
17.95	7.76	4.94	3.27	20.55	8.09	5.24	2.45
18.00	7.77	4.95	3.23	20.60	8.10	5.25	2.44
18.05	7.78	4.96	3.20	20.65	8.10	5.25	2.43
18.10	7.78	4.96	3.17	20.70	8.11	5.26	2.42
18.15	7.79	4.97	3.14	20.75	8.11	5.26	2.42

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.27	2.41	23.40	8.38	5.51	1.97
20.85	8.13	5.27	2.40	23.45	8.39	5.51	1.96
20.90	8.13	5.28	2.39	23.50	8.39	5.52	1.96
20.95	8.14	5.28	2.38	23.55	8.40	5.52	1.95
21.00	8.14	5.29	2.38	23.60	8.40	5.53	1.94
21.05	8.15	5.29	2.37	23.65	8.41	5.53	1.93
21.10	8.15	5.30	2.36	23.70	8.41	5.53	1.92
21.15	8.16	5.30	2.35	23.75	8.42	5.54	1.91
21.20	8.16	5.31	2.34	23.80	8.42	5.54	1.91
21.25	8.17	5.31	2.33	23.85	8.42	5.55	1.90
21.30	8.18	5.32	2.32	23.90	8.43	5.55	1.89
21.35	8.18	5.32	2.32	23.95	8.43	5.55	1.88
21.40	8.19	5.33	2.31	24.00	**8.44**	**5.56**	1.88
21.45	8.19	5.33	2.30	24.05	8.44	5.56	1.87
21.50	8.20	5.34	2.29	24.10	8.44	5.56	1.86
21.55	8.20	5.34	2.28	24.15	8.44	5.56	1.85
21.60	8.21	5.35	2.27	24.20	8.44	5.56	1.83
21.65	8.21	5.35	2.27	24.25	8.44	5.56	1.79
21.70	8.22	5.36	2.26	24.30	8.44	5.56	1.74
21.75	8.22	5.36	2.25	24.35	8.44	5.56	1.66
21.80	8.23	5.37	2.24	24.40	8.44	5.56	1.56
21.85	8.23	5.37	2.23	24.45	8.44	5.56	1.43
21.90	8.24	5.38	2.22	24.50	8.44	5.56	1.30
21.95	8.24	5.38	2.22	24.55	8.44	5.56	1.16
22.00	8.25	5.39	2.21	24.60	8.44	5.56	1.02
22.05	8.25	5.39	2.20	24.65	8.44	5.56	0.88
22.10	8.26	5.39	2.19	24.70	8.44	5.56	0.75
22.15	8.26	5.40	2.18	24.75	8.44	5.56	0.64
22.20	8.27	5.40	2.17	24.80	8.44	5.56	0.54
22.25	8.27	5.41	2.17	24.85	8.44	5.56	0.45
22.30	8.28	5.41	2.16	24.90	8.44	5.56	0.38
22.35	8.28	5.42	2.15	24.95	8.44	5.56	0.32
22.40	8.29	5.42	2.14	25.00	8.44	5.56	0.27
22.45	8.29	5.43	2.13	25.05	8.44	5.56	0.23
22.50	8.30	5.43	2.13	25.10	8.44	5.56	0.19
22.55	8.30	5.44	2.12	25.15	8.44	5.56	0.16
22.60	8.31	5.44	2.11	25.20	8.44	5.56	0.14
22.65	8.31	5.44	2.10	25.25	8.44	5.56	0.12
22.70	8.32	5.45	2.09	25.30	8.44	5.56	0.10
22.75	8.32	5.45	2.08	25.35	8.44	5.56	0.08
22.80	8.33	5.46	2.07	25.40	8.44	5.56	0.07
22.85	8.33	5.46	2.07	25.45	8.44	5.56	0.06
22.90	8.34	5.47	2.06	25.50	8.44	5.56	0.05
22.95	8.34	5.47	2.05	25.55	8.44	5.56	0.04
23.00	8.35	5.48	2.04	25.60	8.44	5.56	0.03
23.05	8.35	5.48	2.03	25.65	8.44	5.56	0.03
23.10	8.36	5.48	2.02	25.70	8.44	5.56	0.02
23.15	8.36	5.49	2.02	25.75	8.44	5.56	0.02
23.20	8.37	5.49	2.01	25.80	8.44	5.56	0.02
23.25	8.37	5.50	2.00	25.85	8.44	5.56	0.01
23.30	8.38	5.50	1.99	25.90	8.44	5.56	0.01
23.35	8.38	5.51	1.98	25.95	8.44	5.56	0.01

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.56	0.01	28.60	8.44	5.56	0.00
26.05	8.44	5.56	0.01	28.65	8.44	5.56	0.00
26.10	8.44	5.56	0.00	28.70	8.44	5.56	0.00
26.15	8.44	5.56	0.00	28.75	8.44	5.56	0.00
26.20	8.44	5.56	0.00	28.80	8.44	5.56	0.00
26.25	8.44	5.56	0.00	28.85	8.44	5.56	0.00
26.30	8.44	5.56	0.00	28.90	8.44	5.56	0.00
26.35	8.44	5.56	0.00	28.95	8.44	5.56	0.00
26.40	8.44	5.56	0.00	29.00	8.44	5.56	0.00
26.45	8.44	5.56	0.00	29.05	8.44	5.56	0.00
26.50	8.44	5.56	0.00	29.10	8.44	5.56	0.00
26.55	8.44	5.56	0.00	29.15	8.44	5.56	0.00
26.60	8.44	5.56	0.00	29.20	8.44	5.56	0.00
26.65	8.44	5.56	0.00	29.25	8.44	5.56	0.00
26.70	8.44	5.56	0.00	29.30	8.44	5.56	0.00
26.75	8.44	5.56	0.00	29.35	8.44	5.56	0.00
26.80	8.44	5.56	0.00	29.40	8.44	5.56	0.00
26.85	8.44	5.56	0.00	29.45	8.44	5.56	0.00
26.90	8.44	5.56	0.00	29.50	8.44	5.56	0.00
26.95	8.44	5.56	0.00	29.55	8.44	5.56	0.00
27.00	8.44	5.56	0.00	29.60	8.44	5.56	0.00
27.05	8.44	5.56	0.00	29.65	8.44	5.56	0.00
27.10	8.44	5.56	0.00	29.70	8.44	5.56	0.00
27.15	8.44	5.56	0.00	29.75	8.44	5.56	0.00
27.20	8.44	5.56	0.00	29.80	8.44	5.56	0.00
27.25	8.44	5.56	0.00	29.85	8.44	5.56	0.00
27.30	8.44	5.56	0.00	29.90	8.44	5.56	0.00
27.35	8.44	5.56	0.00	29.95	8.44	5.56	0.00
27.40	8.44	5.56	0.00	30.00	8.44	5.56	0.00
27.45	8.44	5.56	0.00	30.05	8.44	5.56	0.00
27.50	8.44	5.56	0.00	30.10	8.44	5.56	0.00
27.55	8.44	5.56	0.00	30.15	8.44	5.56	0.00
27.60	8.44	5.56	0.00	30.20	8.44	5.56	0.00
27.65	8.44	5.56	0.00	30.25	8.44	5.56	0.00
27.70	8.44	5.56	0.00	30.30	8.44	5.56	0.00
27.75	8.44	5.56	0.00	30.35	8.44	5.56	0.00
27.80	8.44	5.56	0.00	30.40	8.44	5.56	0.00
27.85	8.44	5.56	0.00	30.45	8.44	5.56	0.00
27.90	8.44	5.56	0.00	30.50	8.44	5.56	0.00
27.95	8.44	5.56	0.00	30.55	8.44	5.56	0.00
28.00	8.44	5.56	0.00	30.60	8.44	5.56	0.00
28.05	8.44	5.56	0.00	30.65	8.44	5.56	0.00
28.10	8.44	5.56	0.00	30.70	8.44	5.56	0.00
28.15	8.44	5.56	0.00	30.75	8.44	5.56	0.00
28.20	8.44	5.56	0.00	30.80	8.44	5.56	0.00
28.25	8.44	5.56	0.00	30.85	8.44	5.56	0.00
28.30	8.44	5.56	0.00	30.90	8.44	5.56	0.00
28.35	8.44	5.56	0.00	30.95	8.44	5.56	0.00
28.40	8.44	5.56	0.00	31.00	8.44	5.56	0.00
28.45	8.44	5.56	0.00	31.05	8.44	5.56	0.00
28.50	8.44	5.56	0.00	31.10	8.44	5.56	0.00
28.55	8.44	5.56	0.00	31.15	8.44	5.56	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.56	0.00	33.80	8.44	5.56	0.00
31.25	8.44	5.56	0.00	33.85	8.44	5.56	0.00
31.30	8.44	5.56	0.00	33.90	8.44	5.56	0.00
31.35	8.44	5.56	0.00	33.95	8.44	5.56	0.00
31.40	8.44	5.56	0.00	34.00	8.44	5.56	0.00
31.45	8.44	5.56	0.00	34.05	8.44	5.56	0.00
31.50	8.44	5.56	0.00	34.10	8.44	5.56	0.00
31.55	8.44	5.56	0.00	34.15	8.44	5.56	0.00
31.60	8.44	5.56	0.00	34.20	8.44	5.56	0.00
31.65	8.44	5.56	0.00	34.25	8.44	5.56	0.00
31.70	8.44	5.56	0.00	34.30	8.44	5.56	0.00
31.75	8.44	5.56	0.00	34.35	8.44	5.56	0.00
31.80	8.44	5.56	0.00	34.40	8.44	5.56	0.00
31.85	8.44	5.56	0.00	34.45	8.44	5.56	0.00
31.90	8.44	5.56	0.00	34.50	8.44	5.56	0.00
31.95	8.44	5.56	0.00	34.55	8.44	5.56	0.00
32.00	8.44	5.56	0.00	34.60	8.44	5.56	0.00
32.05	8.44	5.56	0.00	34.65	8.44	5.56	0.00
32.10	8.44	5.56	0.00	34.70	8.44	5.56	0.00
32.15	8.44	5.56	0.00	34.75	8.44	5.56	0.00
32.20	8.44	5.56	0.00	34.80	8.44	5.56	0.00
32.25	8.44	5.56	0.00	34.85	8.44	5.56	0.00
32.30	8.44	5.56	0.00	34.90	8.44	5.56	0.00
32.35	8.44	5.56	0.00	34.95	8.44	5.56	0.00
32.40	8.44	5.56	0.00	35.00	8.44	5.56	0.00
32.45	8.44	5.56	0.00	35.05	8.44	5.56	0.00
32.50	8.44	5.56	0.00	35.10	8.44	5.56	0.00
32.55	8.44	5.56	0.00	35.15	8.44	5.56	0.00
32.60	8.44	5.56	0.00	35.20	8.44	5.56	0.00
32.65	8.44	5.56	0.00	35.25	8.44	5.56	0.00
32.70	8.44	5.56	0.00	35.30	8.44	5.56	0.00
32.75	8.44	5.56	0.00	35.35	8.44	5.56	0.00
32.80	8.44	5.56	0.00	35.40	8.44	5.56	0.00
32.85	8.44	5.56	0.00	35.45	8.44	5.56	0.00
32.90	8.44	5.56	0.00	35.50	8.44	5.56	0.00
32.95	8.44	5.56	0.00	35.55	8.44	5.56	0.00
33.00	8.44	5.56	0.00	35.60	8.44	5.56	0.00
33.05	8.44	5.56	0.00	35.65	8.44	5.56	0.00
33.10	8.44	5.56	0.00	35.70	8.44	5.56	0.00
33.15	8.44	5.56	0.00	35.75	8.44	5.56	0.00
33.20	8.44	5.56	0.00	35.80	8.44	5.56	0.00
33.25	8.44	5.56	0.00	35.85	8.44	5.56	0.00
33.30	8.44	5.56	0.00	35.90	8.44	5.56	0.00
33.35	8.44	5.56	0.00	35.95	8.44	5.56	0.00
33.40	8.44	5.56	0.00	36.00	8.44	5.56	0.00
33.45	8.44	5.56	0.00	36.05	8.44	5.56	0.00
33.50	8.44	5.56	0.00	36.10	8.44	5.56	0.00
33.55	8.44	5.56	0.00	36.15	8.44	5.56	0.00
33.60	8.44	5.56	0.00	36.20	8.44	5.56	0.00
33.65	8.44	5.56	0.00	36.25	8.44	5.56	0.00
33.70	8.44	5.56	0.00	36.30	8.44	5.56	0.00
33.75	8.44	5.56	0.00	36.35	8.44	5.56	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.56	0.00
36.45	8.44	5.56	0.00
36.50	8.44	5.56	0.00
36.55	8.44	5.56	0.00
36.60	8.44	5.56	0.00
36.65	8.44	5.56	0.00
36.70	8.44	5.56	0.00
36.75	8.44	5.56	0.00
36.80	8.44	5.56	0.00
36.85	8.44	5.56	0.00
36.90	8.44	5.56	0.00
36.95	8.44	5.56	0.00
37.00	8.44	5.56	0.00
37.05	8.44	5.56	0.00
37.10	8.44	5.56	0.00
37.15	8.44	5.56	0.00
37.20	8.44	5.56	0.00
37.25	8.44	5.56	0.00
37.30	8.44	5.56	0.00
37.35	8.44	5.56	0.00
37.40	8.44	5.56	0.00
37.45	8.44	5.56	0.00
37.50	8.44	5.56	0.00
37.55	8.44	5.56	0.00
37.60	8.44	5.56	0.00
37.65	8.44	5.56	0.00
37.70	8.44	5.56	0.00
37.75	8.44	5.56	0.00
37.80	8.44	5.56	0.00
37.85	8.44	5.56	0.00
37.90	8.44	5.56	0.00
37.95	8.44	5.56	0.00
38.00	8.44	5.56	0.00
38.05	8.44	5.56	0.00
38.10	8.44	5.56	0.00
38.15	8.44	5.56	0.00
38.20	8.44	5.56	0.00
38.25	8.44	5.56	0.00
38.30	8.44	5.56	0.00
38.35	8.44	5.56	0.00
38.40	8.44	5.56	0.00
38.45	8.44	5.56	0.00
38.50	8.44	5.56	0.00
38.55	8.44	5.56	0.00
38.60	8.44	5.56	0.00
38.65	8.44	5.56	0.00
38.70	8.44	5.56	0.00
38.75	8.44	5.56	0.00
38.80	8.44	5.56	0.00
38.85	8.44	5.56	0.00
38.90	8.44	5.56	0.00
38.95	8.44	5.56	0.00
39.00	8.44	5.56	0.00
39.05	8.44	5.56	0.00
39.10	8.44	5.56	0.00
39.15	8.44	5.56	0.00
39.20	8.44	5.56	0.00
39.25	8.44	5.56	0.00
39.30	8.44	5.56	0.00
39.35	8.44	5.56	0.00
39.40	8.44	5.56	0.00
39.45	8.44	5.56	0.00
39.50	8.44	5.56	0.00
39.55	8.44	5.56	0.00
39.60	8.44	5.56	0.00
39.65	8.44	5.56	0.00
39.70	8.44	5.56	0.00
39.75	8.44	5.56	0.00
39.80	8.44	5.56	0.00
39.85	8.44	5.56	0.00
39.90	8.44	5.56	0.00
39.95	8.44	5.56	0.00
40.00	8.44	5.56	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

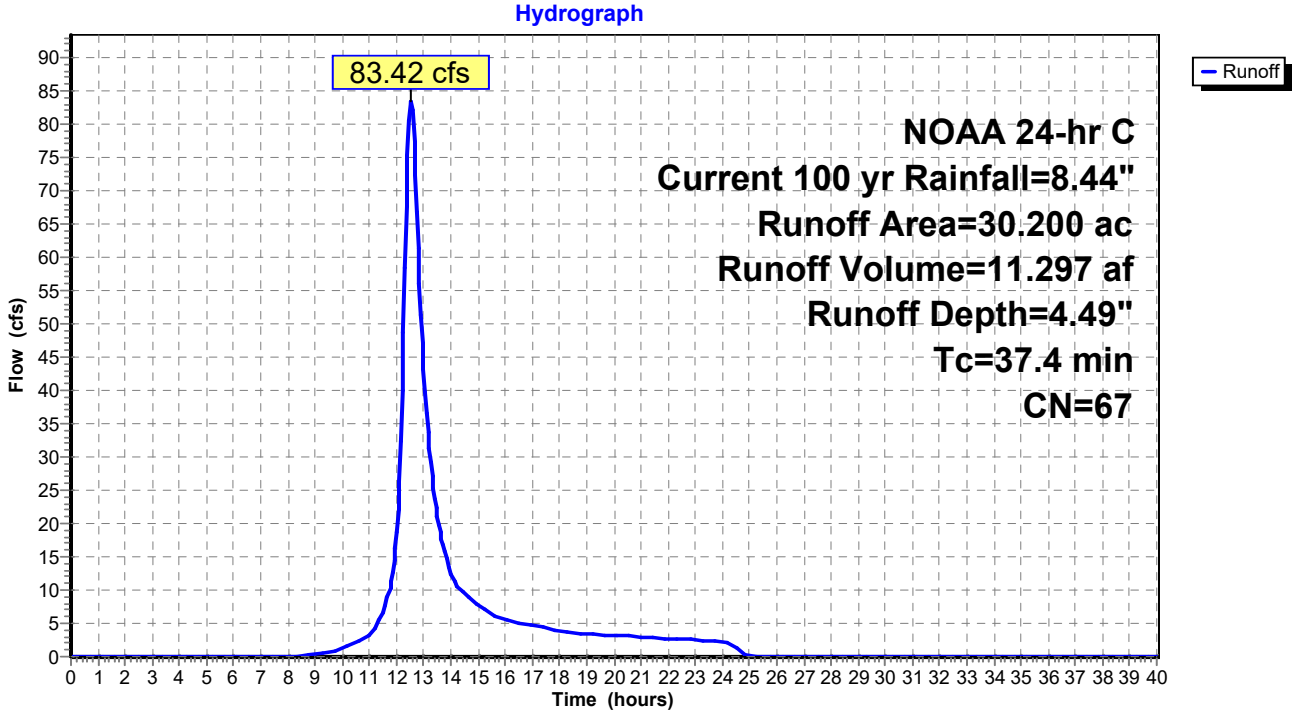
Runoff = 83.42 cfs @ 12.52 hrs, Volume= 11.297 af, Depth= 4.49"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.01
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.01
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.05
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.07
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.09
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.11
6.05	0.68	0.00	0.00	8.65	1.15	0.01	0.13
6.10	0.68	0.00	0.00	8.70	1.16	0.01	0.15
6.15	0.69	0.00	0.00	8.75	1.17	0.01	0.18
6.20	0.70	0.00	0.00	8.80	1.19	0.01	0.20
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.23
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.26
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.29
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.31
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.34
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.37
6.55	0.75	0.00	0.00	9.15	1.27	0.02	0.40
6.60	0.76	0.00	0.00	9.20	1.28	0.02	0.44
6.65	0.77	0.00	0.00	9.25	1.30	0.02	0.47
6.70	0.77	0.00	0.00	9.30	1.31	0.02	0.50
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.54
6.80	0.79	0.00	0.00	9.40	1.34	0.02	0.58
6.85	0.80	0.00	0.00	9.45	1.35	0.03	0.62
6.90	0.81	0.00	0.00	9.50	1.37	0.03	0.66
6.95	0.81	0.00	0.00	9.55	1.39	0.03	0.71
7.00	0.82	0.00	0.00	9.60	1.40	0.03	0.75
7.05	0.83	0.00	0.00	9.65	1.42	0.03	0.80
7.10	0.84	0.00	0.00	9.70	1.43	0.04	0.86
7.15	0.85	0.00	0.00	9.75	1.45	0.04	0.91
7.20	0.86	0.00	0.00	9.80	1.47	0.04	0.97
7.25	0.87	0.00	0.00	9.85	1.49	0.05	1.03
7.30	0.88	0.00	0.00	9.90	1.50	0.05	1.10
7.35	0.89	0.00	0.00	9.95	1.52	0.05	1.16
7.40	0.89	0.00	0.00	10.00	1.54	0.06	1.23
7.45	0.90	0.00	0.00	10.05	1.56	0.06	1.30
7.50	0.91	0.00	0.00	10.10	1.58	0.06	1.37
7.55	0.92	0.00	0.00	10.15	1.60	0.07	1.45
7.60	0.93	0.00	0.00	10.20	1.62	0.07	1.53
7.65	0.94	0.00	0.00	10.25	1.64	0.08	1.61
7.70	0.95	0.00	0.00	10.30	1.66	0.08	1.69
7.75	0.96	0.00	0.00	10.35	1.68	0.09	1.78

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.09	1.86	13.00	6.41	2.85	43.19
10.45	1.72	0.09	1.96	13.05	6.45	2.87	39.71
10.50	1.74	0.10	2.05	13.10	6.48	2.90	36.60
10.55	1.76	0.11	2.14	13.15	6.51	2.92	33.78
10.60	1.79	0.11	2.24	13.20	6.54	2.95	31.29
10.65	1.81	0.12	2.35	13.25	6.57	2.97	29.09
10.70	1.84	0.13	2.46	13.30	6.60	2.99	27.08
10.75	1.87	0.13	2.58	13.35	6.63	3.01	25.32
10.80	1.90	0.14	2.71	13.40	6.65	3.03	23.70
10.85	1.93	0.15	2.85	13.45	6.68	3.05	22.25
10.90	1.96	0.16	3.01	13.50	6.70	3.07	20.95
10.95	1.99	0.17	3.19	13.55	6.72	3.09	19.74
11.00	2.03	0.18	3.39	13.60	6.74	3.10	18.66
11.05	2.06	0.19	3.61	13.65	6.76	3.12	17.65
11.10	2.10	0.21	3.85	13.70	6.78	3.14	16.72
11.15	2.14	0.22	4.11	13.75	6.80	3.15	15.87
11.20	2.19	0.24	4.39	13.80	6.82	3.17	15.07
11.25	2.23	0.25	4.71	13.85	6.84	3.18	14.35
11.30	2.28	0.27	5.05	13.90	6.86	3.20	13.68
11.35	2.33	0.29	5.42	13.95	6.88	3.21	13.07
11.40	2.38	0.31	5.83	14.00	6.90	3.23	12.52
11.45	2.44	0.33	6.28	14.05	6.92	3.24	12.01
11.50	2.49	0.35	6.78	14.10	6.94	3.26	11.57
11.55	2.58	0.39	7.30	14.15	6.95	3.27	11.16
11.60	2.66	0.43	7.90	14.20	6.97	3.29	10.81
11.65	2.75	0.47	8.58	14.25	6.99	3.30	10.52
11.70	2.84	0.51	9.36	14.30	7.01	3.31	10.24
11.75	2.97	0.57	10.29	14.35	7.02	3.32	10.00
11.80	3.09	0.63	11.41	14.40	7.04	3.34	9.78
11.85	3.26	0.72	12.75	14.45	7.05	3.35	9.56
11.90	3.43	0.81	14.35	14.50	7.07	3.36	9.37
11.95	3.73	0.98	16.29	14.55	7.09	3.37	9.18
12.00	4.02	1.16	18.77	14.60	7.10	3.39	9.00
12.05	4.52	1.47	22.01	14.65	7.11	3.40	8.83
12.10	5.01	1.81	26.45	14.70	7.13	3.41	8.66
12.15	5.18	1.93	32.35	14.75	7.14	3.42	8.50
12.20	5.35	2.05	39.89	14.80	7.16	3.43	8.33
12.25	5.47	2.14	48.79	14.85	7.17	3.44	8.17
12.30	5.60	2.23	58.35	14.90	7.18	3.45	8.02
12.35	5.69	2.30	67.56	14.95	7.19	3.46	7.86
12.40	5.78	2.36	75.28	15.00	7.21	3.47	7.71
12.45	5.86	2.43	80.49	15.05	7.22	3.48	7.55
12.50	5.95	2.49	**83.11**	15.10	7.23	3.49	7.40
12.55	6.00	2.53	83.06	15.15	7.24	3.50	7.25
12.60	6.06	2.57	81.12	15.20	7.25	3.51	7.09
12.65	6.11	2.61	77.33	15.25	7.27	3.52	6.95
12.70	6.16	2.65	72.44	15.30	7.28	3.53	6.80
12.75	6.21	2.69	66.95	15.35	7.29	3.54	6.66
12.80	6.25	2.72	61.32	15.40	7.30	3.55	6.53
12.85	6.30	2.76	56.08	15.45	7.31	3.56	6.40
12.90	6.34	2.79	51.34	15.50	7.32	3.57	6.29
12.95	6.38	2.82	47.05	15.55	7.33	3.57	6.18

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.58	6.09	18.20	7.80	3.95	3.76
15.65	7.36	3.59	6.00	18.25	7.80	3.96	3.72
15.70	7.37	3.60	5.92	18.30	7.81	3.97	3.68
15.75	7.38	3.61	5.85	18.35	7.82	3.97	3.64
15.80	7.39	3.62	5.78	18.40	7.82	3.98	3.61
15.85	7.40	3.63	5.73	18.45	7.83	3.98	3.57
15.90	7.41	3.64	5.67	18.50	7.84	3.99	3.54
15.95	7.42	3.64	5.62	18.55	7.84	3.99	3.51
16.00	7.43	3.65	5.57	18.60	7.85	4.00	3.49
16.05	7.44	3.66	5.52	18.65	7.86	4.00	3.46
16.10	7.45	3.67	5.47	18.70	7.86	4.01	3.44
16.15	7.46	3.68	5.42	18.75	7.87	4.01	3.42
16.20	7.47	3.68	5.38	18.80	7.88	4.02	3.41
16.25	7.48	3.69	5.34	18.85	7.88	4.03	3.39
16.30	7.49	3.70	5.29	18.90	7.89	4.03	3.38
16.35	7.50	3.71	5.25	18.95	7.90	4.04	3.36
16.40	7.51	3.72	5.21	19.00	7.90	4.04	3.35
16.45	7.52	3.72	5.17	19.05	7.91	4.05	3.34
16.50	7.53	3.73	5.13	19.10	7.92	4.05	3.32
16.55	7.54	3.74	5.09	19.15	7.92	4.06	3.31
16.60	7.55	3.75	5.05	19.20	7.93	4.06	3.30
16.65	7.55	3.75	5.01	19.25	7.93	4.07	3.29
16.70	7.56	3.76	4.97	19.30	7.94	4.07	3.28
16.75	7.57	3.77	4.93	19.35	7.95	4.08	3.27
16.80	7.58	3.78	4.89	19.40	7.95	4.08	3.26
16.85	7.59	3.78	4.85	19.45	7.96	4.09	3.25
16.90	7.60	3.79	4.81	19.50	7.97	4.09	3.24
16.95	7.61	3.80	4.77	19.55	7.97	4.10	3.23
17.00	7.62	3.81	4.73	19.60	7.98	4.10	3.22
17.05	7.63	3.81	4.69	19.65	7.98	4.11	3.21
17.10	7.63	3.82	4.65	19.70	7.99	4.11	3.20
17.15	7.64	3.83	4.61	19.75	8.00	4.12	3.19
17.20	7.65	3.83	4.57	19.80	8.00	4.12	3.18
17.25	7.66	3.84	4.53	19.85	8.01	4.13	3.17
17.30	7.67	3.85	4.49	19.90	8.01	4.13	3.16
17.35	7.67	3.85	4.45	19.95	8.02	4.14	3.15
17.40	7.68	3.86	4.41	20.00	8.03	4.14	3.14
17.45	7.69	3.87	4.37	20.05	8.03	4.15	3.13
17.50	7.70	3.87	4.33	20.10	8.04	4.15	3.12
17.55	7.71	3.88	4.29	20.15	8.04	4.16	3.11
17.60	7.71	3.88	4.25	20.20	8.05	4.16	3.10
17.65	7.72	3.89	4.21	20.25	8.06	4.17	3.09
17.70	7.73	3.90	4.16	20.30	8.06	4.17	3.08
17.75	7.74	3.90	4.13	20.35	8.07	4.18	3.07
17.80	7.74	3.91	4.08	20.40	8.07	4.18	3.06
17.85	7.75	3.91	4.04	20.45	8.08	4.19	3.05
17.90	7.76	3.92	4.00	20.50	8.09	4.19	3.04
17.95	7.76	3.93	3.96	20.55	8.09	4.20	3.03
18.00	7.77	3.93	3.92	20.60	8.10	4.20	3.02
18.05	7.78	3.94	3.88	20.65	8.10	4.21	3.01
18.10	7.78	3.94	3.84	20.70	8.11	4.21	3.00
18.15	7.79	3.95	3.80	20.75	8.11	4.22	2.99

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.22	2.98	23.40	8.38	4.44	2.45
20.85	8.13	4.23	2.97	23.45	8.39	4.45	2.44
20.90	8.13	4.23	2.96	23.50	8.39	4.45	2.43
20.95	8.14	4.23	2.95	23.55	8.40	4.45	2.42
21.00	8.14	4.24	2.94	23.60	8.40	4.46	2.41
21.05	8.15	4.24	2.93	23.65	8.41	4.46	2.40
21.10	8.15	4.25	2.92	23.70	8.41	4.47	2.38
21.15	8.16	4.25	2.91	23.75	8.42	4.47	2.37
21.20	8.16	4.26	2.90	23.80	8.42	4.47	2.37
21.25	8.17	4.26	2.89	23.85	8.42	4.48	2.35
21.30	8.18	4.27	2.88	23.90	8.43	4.48	2.35
21.35	8.18	4.27	2.87	23.95	8.43	4.48	2.33
21.40	8.19	4.28	2.86	24.00	**8.44**	**4.49**	2.33
21.45	8.19	4.28	2.85	24.05	8.44	4.49	2.32
21.50	8.20	4.29	2.84	24.10	8.44	4.49	2.31
21.55	8.20	4.29	2.83	24.15	8.44	4.49	2.29
21.60	8.21	4.29	2.82	24.20	8.44	4.49	2.26
21.65	8.21	4.30	2.81	24.25	8.44	4.49	2.19
21.70	8.22	4.30	2.80	24.30	8.44	4.49	2.08
21.75	8.22	4.31	2.79	24.35	8.44	4.49	1.93
21.80	8.23	4.31	2.78	24.40	8.44	4.49	1.74
21.85	8.23	4.32	2.77	24.45	8.44	4.49	1.54
21.90	8.24	4.32	2.76	24.50	8.44	4.49	1.33
21.95	8.24	4.32	2.74	24.55	8.44	4.49	1.13
22.00	8.25	4.33	2.74	24.60	8.44	4.49	0.94
22.05	8.25	4.33	2.73	24.65	8.44	4.49	0.77
22.10	8.26	4.34	2.71	24.70	8.44	4.49	0.63
22.15	8.26	4.34	2.71	24.75	8.44	4.49	0.51
22.20	8.27	4.35	2.69	24.80	8.44	4.49	0.42
22.25	8.27	4.35	2.69	24.85	8.44	4.49	0.35
22.30	8.28	4.35	2.68	24.90	8.44	4.49	0.28
22.35	8.28	4.36	2.66	24.95	8.44	4.49	0.23
22.40	8.29	4.36	2.66	25.00	8.44	4.49	0.19
22.45	8.29	4.37	2.64	25.05	8.44	4.49	0.16
22.50	8.30	4.37	2.63	25.10	8.44	4.49	0.13
22.55	8.30	4.38	2.62	25.15	8.44	4.49	0.11
22.60	8.31	4.38	2.61	25.20	8.44	4.49	0.09
22.65	8.31	4.38	2.60	25.25	8.44	4.49	0.07
22.70	8.32	4.39	2.59	25.30	8.44	4.49	0.06
22.75	8.32	4.39	2.58	25.35	8.44	4.49	0.05
22.80	8.33	4.40	2.57	25.40	8.44	4.49	0.04
22.85	8.33	4.40	2.56	25.45	8.44	4.49	0.03
22.90	8.34	4.40	2.55	25.50	8.44	4.49	0.02
22.95	8.34	4.41	2.54	25.55	8.44	4.49	0.02
23.00	8.35	4.41	2.53	25.60	8.44	4.49	0.02
23.05	8.35	4.42	2.52	25.65	8.44	4.49	0.01
23.10	8.36	4.42	2.51	25.70	8.44	4.49	0.01
23.15	8.36	4.42	2.50	25.75	8.44	4.49	0.01
23.20	8.37	4.43	2.49	25.80	8.44	4.49	0.01
23.25	8.37	4.43	2.48	25.85	8.44	4.49	0.00
23.30	8.38	4.43	2.47	25.90	8.44	4.49	0.00
23.35	8.38	4.44	2.46	25.95	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.49	0.00	28.60	8.44	4.49	0.00
26.05	8.44	4.49	0.00	28.65	8.44	4.49	0.00
26.10	8.44	4.49	0.00	28.70	8.44	4.49	0.00
26.15	8.44	4.49	0.00	28.75	8.44	4.49	0.00
26.20	8.44	4.49	0.00	28.80	8.44	4.49	0.00
26.25	8.44	4.49	0.00	28.85	8.44	4.49	0.00
26.30	8.44	4.49	0.00	28.90	8.44	4.49	0.00
26.35	8.44	4.49	0.00	28.95	8.44	4.49	0.00
26.40	8.44	4.49	0.00	29.00	8.44	4.49	0.00
26.45	8.44	4.49	0.00	29.05	8.44	4.49	0.00
26.50	8.44	4.49	0.00	29.10	8.44	4.49	0.00
26.55	8.44	4.49	0.00	29.15	8.44	4.49	0.00
26.60	8.44	4.49	0.00	29.20	8.44	4.49	0.00
26.65	8.44	4.49	0.00	29.25	8.44	4.49	0.00
26.70	8.44	4.49	0.00	29.30	8.44	4.49	0.00
26.75	8.44	4.49	0.00	29.35	8.44	4.49	0.00
26.80	8.44	4.49	0.00	29.40	8.44	4.49	0.00
26.85	8.44	4.49	0.00	29.45	8.44	4.49	0.00
26.90	8.44	4.49	0.00	29.50	8.44	4.49	0.00
26.95	8.44	4.49	0.00	29.55	8.44	4.49	0.00
27.00	8.44	4.49	0.00	29.60	8.44	4.49	0.00
27.05	8.44	4.49	0.00	29.65	8.44	4.49	0.00
27.10	8.44	4.49	0.00	29.70	8.44	4.49	0.00
27.15	8.44	4.49	0.00	29.75	8.44	4.49	0.00
27.20	8.44	4.49	0.00	29.80	8.44	4.49	0.00
27.25	8.44	4.49	0.00	29.85	8.44	4.49	0.00
27.30	8.44	4.49	0.00	29.90	8.44	4.49	0.00
27.35	8.44	4.49	0.00	29.95	8.44	4.49	0.00
27.40	8.44	4.49	0.00	30.00	8.44	4.49	0.00
27.45	8.44	4.49	0.00	30.05	8.44	4.49	0.00
27.50	8.44	4.49	0.00	30.10	8.44	4.49	0.00
27.55	8.44	4.49	0.00	30.15	8.44	4.49	0.00
27.60	8.44	4.49	0.00	30.20	8.44	4.49	0.00
27.65	8.44	4.49	0.00	30.25	8.44	4.49	0.00
27.70	8.44	4.49	0.00	30.30	8.44	4.49	0.00
27.75	8.44	4.49	0.00	30.35	8.44	4.49	0.00
27.80	8.44	4.49	0.00	30.40	8.44	4.49	0.00
27.85	8.44	4.49	0.00	30.45	8.44	4.49	0.00
27.90	8.44	4.49	0.00	30.50	8.44	4.49	0.00
27.95	8.44	4.49	0.00	30.55	8.44	4.49	0.00
28.00	8.44	4.49	0.00	30.60	8.44	4.49	0.00
28.05	8.44	4.49	0.00	30.65	8.44	4.49	0.00
28.10	8.44	4.49	0.00	30.70	8.44	4.49	0.00
28.15	8.44	4.49	0.00	30.75	8.44	4.49	0.00
28.20	8.44	4.49	0.00	30.80	8.44	4.49	0.00
28.25	8.44	4.49	0.00	30.85	8.44	4.49	0.00
28.30	8.44	4.49	0.00	30.90	8.44	4.49	0.00
28.35	8.44	4.49	0.00	30.95	8.44	4.49	0.00
28.40	8.44	4.49	0.00	31.00	8.44	4.49	0.00
28.45	8.44	4.49	0.00	31.05	8.44	4.49	0.00
28.50	8.44	4.49	0.00	31.10	8.44	4.49	0.00
28.55	8.44	4.49	0.00	31.15	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.49	0.00	33.80	8.44	4.49	0.00
31.25	8.44	4.49	0.00	33.85	8.44	4.49	0.00
31.30	8.44	4.49	0.00	33.90	8.44	4.49	0.00
31.35	8.44	4.49	0.00	33.95	8.44	4.49	0.00
31.40	8.44	4.49	0.00	34.00	8.44	4.49	0.00
31.45	8.44	4.49	0.00	34.05	8.44	4.49	0.00
31.50	8.44	4.49	0.00	34.10	8.44	4.49	0.00
31.55	8.44	4.49	0.00	34.15	8.44	4.49	0.00
31.60	8.44	4.49	0.00	34.20	8.44	4.49	0.00
31.65	8.44	4.49	0.00	34.25	8.44	4.49	0.00
31.70	8.44	4.49	0.00	34.30	8.44	4.49	0.00
31.75	8.44	4.49	0.00	34.35	8.44	4.49	0.00
31.80	8.44	4.49	0.00	34.40	8.44	4.49	0.00
31.85	8.44	4.49	0.00	34.45	8.44	4.49	0.00
31.90	8.44	4.49	0.00	34.50	8.44	4.49	0.00
31.95	8.44	4.49	0.00	34.55	8.44	4.49	0.00
32.00	8.44	4.49	0.00	34.60	8.44	4.49	0.00
32.05	8.44	4.49	0.00	34.65	8.44	4.49	0.00
32.10	8.44	4.49	0.00	34.70	8.44	4.49	0.00
32.15	8.44	4.49	0.00	34.75	8.44	4.49	0.00
32.20	8.44	4.49	0.00	34.80	8.44	4.49	0.00
32.25	8.44	4.49	0.00	34.85	8.44	4.49	0.00
32.30	8.44	4.49	0.00	34.90	8.44	4.49	0.00
32.35	8.44	4.49	0.00	34.95	8.44	4.49	0.00
32.40	8.44	4.49	0.00	35.00	8.44	4.49	0.00
32.45	8.44	4.49	0.00	35.05	8.44	4.49	0.00
32.50	8.44	4.49	0.00	35.10	8.44	4.49	0.00
32.55	8.44	4.49	0.00	35.15	8.44	4.49	0.00
32.60	8.44	4.49	0.00	35.20	8.44	4.49	0.00
32.65	8.44	4.49	0.00	35.25	8.44	4.49	0.00
32.70	8.44	4.49	0.00	35.30	8.44	4.49	0.00
32.75	8.44	4.49	0.00	35.35	8.44	4.49	0.00
32.80	8.44	4.49	0.00	35.40	8.44	4.49	0.00
32.85	8.44	4.49	0.00	35.45	8.44	4.49	0.00
32.90	8.44	4.49	0.00	35.50	8.44	4.49	0.00
32.95	8.44	4.49	0.00	35.55	8.44	4.49	0.00
33.00	8.44	4.49	0.00	35.60	8.44	4.49	0.00
33.05	8.44	4.49	0.00	35.65	8.44	4.49	0.00
33.10	8.44	4.49	0.00	35.70	8.44	4.49	0.00
33.15	8.44	4.49	0.00	35.75	8.44	4.49	0.00
33.20	8.44	4.49	0.00	35.80	8.44	4.49	0.00
33.25	8.44	4.49	0.00	35.85	8.44	4.49	0.00
33.30	8.44	4.49	0.00	35.90	8.44	4.49	0.00
33.35	8.44	4.49	0.00	35.95	8.44	4.49	0.00
33.40	8.44	4.49	0.00	36.00	8.44	4.49	0.00
33.45	8.44	4.49	0.00	36.05	8.44	4.49	0.00
33.50	8.44	4.49	0.00	36.10	8.44	4.49	0.00
33.55	8.44	4.49	0.00	36.15	8.44	4.49	0.00
33.60	8.44	4.49	0.00	36.20	8.44	4.49	0.00
33.65	8.44	4.49	0.00	36.25	8.44	4.49	0.00
33.70	8.44	4.49	0.00	36.30	8.44	4.49	0.00
33.75	8.44	4.49	0.00	36.35	8.44	4.49	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.49	0.00
36.45	8.44	4.49	0.00
36.50	8.44	4.49	0.00
36.55	8.44	4.49	0.00
36.60	8.44	4.49	0.00
36.65	8.44	4.49	0.00
36.70	8.44	4.49	0.00
36.75	8.44	4.49	0.00
36.80	8.44	4.49	0.00
36.85	8.44	4.49	0.00
36.90	8.44	4.49	0.00
36.95	8.44	4.49	0.00
37.00	8.44	4.49	0.00
37.05	8.44	4.49	0.00
37.10	8.44	4.49	0.00
37.15	8.44	4.49	0.00
37.20	8.44	4.49	0.00
37.25	8.44	4.49	0.00
37.30	8.44	4.49	0.00
37.35	8.44	4.49	0.00
37.40	8.44	4.49	0.00
37.45	8.44	4.49	0.00
37.50	8.44	4.49	0.00
37.55	8.44	4.49	0.00
37.60	8.44	4.49	0.00
37.65	8.44	4.49	0.00
37.70	8.44	4.49	0.00
37.75	8.44	4.49	0.00
37.80	8.44	4.49	0.00
37.85	8.44	4.49	0.00
37.90	8.44	4.49	0.00
37.95	8.44	4.49	0.00
38.00	8.44	4.49	0.00
38.05	8.44	4.49	0.00
38.10	8.44	4.49	0.00
38.15	8.44	4.49	0.00
38.20	8.44	4.49	0.00
38.25	8.44	4.49	0.00
38.30	8.44	4.49	0.00
38.35	8.44	4.49	0.00
38.40	8.44	4.49	0.00
38.45	8.44	4.49	0.00
38.50	8.44	4.49	0.00
38.55	8.44	4.49	0.00
38.60	8.44	4.49	0.00
38.65	8.44	4.49	0.00
38.70	8.44	4.49	0.00
38.75	8.44	4.49	0.00
38.80	8.44	4.49	0.00
38.85	8.44	4.49	0.00
38.90	8.44	4.49	0.00
38.95	8.44	4.49	0.00
39.00	8.44	4.49	0.00
39.05	8.44	4.49	0.00
39.10	8.44	4.49	0.00
39.15	8.44	4.49	0.00
39.20	8.44	4.49	0.00
39.25	8.44	4.49	0.00
39.30	8.44	4.49	0.00
39.35	8.44	4.49	0.00
39.40	8.44	4.49	0.00
39.45	8.44	4.49	0.00
39.50	8.44	4.49	0.00
39.55	8.44	4.49	0.00
39.60	8.44	4.49	0.00
39.65	8.44	4.49	0.00
39.70	8.44	4.49	0.00
39.75	8.44	4.49	0.00
39.80	8.44	4.49	0.00
39.85	8.44	4.49	0.00
39.90	8.44	4.49	0.00
39.95	8.44	4.49	0.00
40.00	8.44	4.49	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

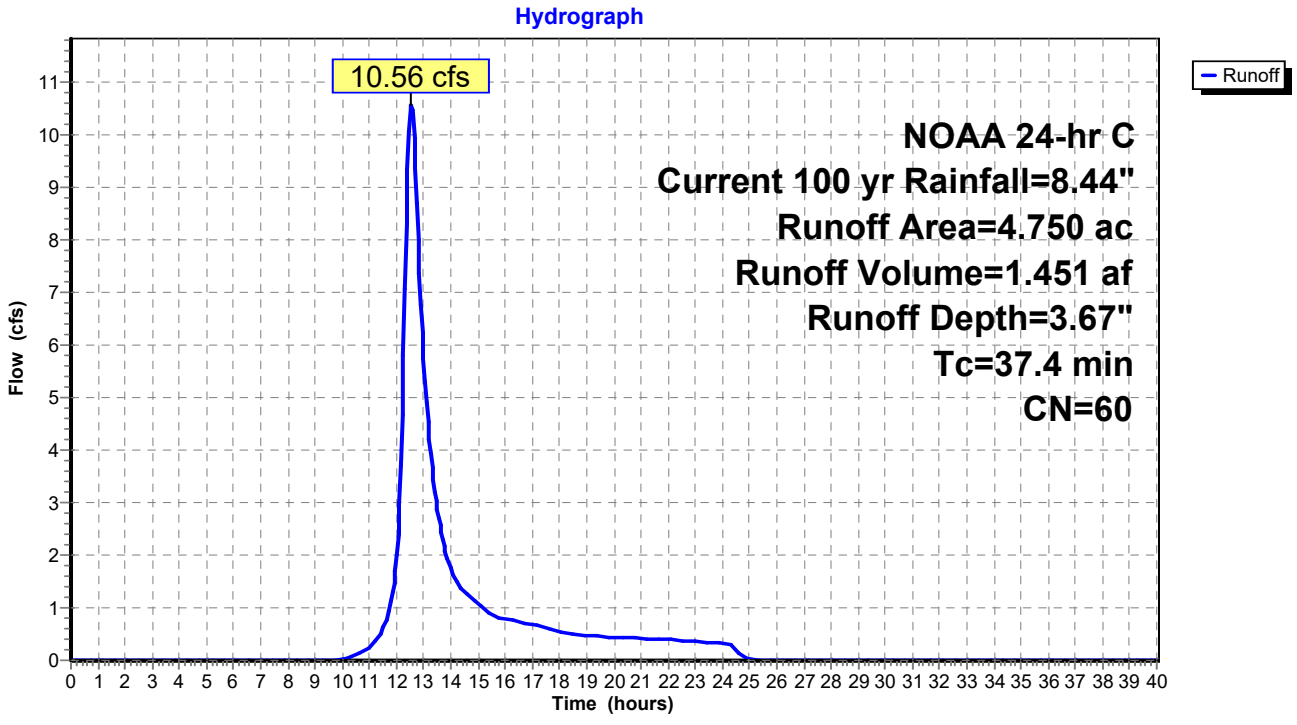
Runoff = 10.56 cfs @ 12.54 hrs, Volume= 1.451 af, Depth= 3.67"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.00
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.00
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.00
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.00
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.00
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.00
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.00
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.00
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.00
6.45	0.73	0.00	0.00	9.05	1.25	0.00	0.00
6.50	0.74	0.00	0.00	9.10	1.26	0.00	0.00
6.55	0.75	0.00	0.00	9.15	1.27	0.00	0.00
6.60	0.76	0.00	0.00	9.20	1.28	0.00	0.00
6.65	0.77	0.00	0.00	9.25	1.30	0.00	0.00
6.70	0.77	0.00	0.00	9.30	1.31	0.00	0.00
6.75	0.78	0.00	0.00	9.35	1.33	0.00	0.00
6.80	0.79	0.00	0.00	9.40	1.34	0.00	0.00
6.85	0.80	0.00	0.00	9.45	1.35	0.00	0.00
6.90	0.81	0.00	0.00	9.50	1.37	0.00	0.00
6.95	0.81	0.00	0.00	9.55	1.39	0.00	0.00
7.00	0.82	0.00	0.00	9.60	1.40	0.00	0.00
7.05	0.83	0.00	0.00	9.65	1.42	0.00	0.00
7.10	0.84	0.00	0.00	9.70	1.43	0.00	0.00
7.15	0.85	0.00	0.00	9.75	1.45	0.00	0.00
7.20	0.86	0.00	0.00	9.80	1.47	0.00	0.00
7.25	0.87	0.00	0.00	9.85	1.49	0.00	0.01
7.30	0.88	0.00	0.00	9.90	1.50	0.00	0.01
7.35	0.89	0.00	0.00	9.95	1.52	0.01	0.01
7.40	0.89	0.00	0.00	10.00	1.54	0.01	0.02
7.45	0.90	0.00	0.00	10.05	1.56	0.01	0.02
7.50	0.91	0.00	0.00	10.10	1.58	0.01	0.03
7.55	0.92	0.00	0.00	10.15	1.60	0.01	0.04
7.60	0.93	0.00	0.00	10.20	1.62	0.01	0.04
7.65	0.94	0.00	0.00	10.25	1.64	0.01	0.05
7.70	0.95	0.00	0.00	10.30	1.66	0.01	0.06
7.75	0.96	0.00	0.00	10.35	1.68	0.02	0.07

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.02	0.08	13.00	6.41	2.20	5.73
10.45	1.72	0.02	0.09	13.05	6.45	2.22	5.28
10.50	1.74	0.02	0.09	13.10	6.48	2.24	4.88
10.55	1.76	0.03	0.11	13.15	6.51	2.26	4.52
10.60	1.79	0.03	0.12	13.20	6.54	2.29	4.20
10.65	1.81	0.03	0.13	13.25	6.57	2.31	3.92
10.70	1.84	0.04	0.14	13.30	6.60	2.32	3.66
10.75	1.87	0.04	0.15	13.35	6.63	2.34	3.43
10.80	1.90	0.04	0.17	13.40	6.65	2.36	3.21
10.85	1.93	0.05	0.18	13.45	6.68	2.38	3.02
10.90	1.96	0.05	0.20	13.50	6.70	2.39	2.85
10.95	1.99	0.06	0.22	13.55	6.72	2.41	2.69
11.00	2.03	0.07	0.24	13.60	6.74	2.42	2.55
11.05	2.06	0.07	0.26	13.65	6.76	2.44	2.42
11.10	2.10	0.08	0.28	13.70	6.78	2.45	2.29
11.15	2.14	0.09	0.31	13.75	6.80	2.47	2.18
11.20	2.19	0.10	0.34	13.80	6.82	2.48	2.07
11.25	2.23	0.11	0.38	13.85	6.84	2.49	1.98
11.30	2.28	0.12	0.41	13.90	6.86	2.51	1.89
11.35	2.33	0.13	0.45	13.95	6.88	2.52	1.80
11.40	2.38	0.14	0.50	14.00	6.90	2.53	1.73
11.45	2.44	0.16	0.55	14.05	6.92	2.55	1.66
11.50	2.49	0.17	0.60	14.10	6.94	2.56	1.60
11.55	2.58	0.20	0.66	14.15	6.95	2.57	1.55
11.60	2.66	0.22	0.73	14.20	6.97	2.58	1.50
11.65	2.75	0.25	0.81	14.25	6.99	2.60	1.46
11.70	2.84	0.28	0.90	14.30	7.01	2.61	1.42
11.75	2.97	0.32	1.00	14.35	7.02	2.62	1.39
11.80	3.09	0.37	1.13	14.40	7.04	2.63	1.36
11.85	3.26	0.43	1.29	14.45	7.05	2.64	1.33
11.90	3.43	0.50	1.48	14.50	7.07	2.65	1.30
11.95	3.73	0.63	1.71	14.55	7.09	2.66	1.28
12.00	4.02	0.77	2.01	14.60	7.10	2.67	1.25
12.05	4.52	1.03	2.40	14.65	7.11	2.68	1.23
12.10	5.01	1.31	2.95	14.70	7.13	2.70	1.21
12.15	5.18	1.41	3.70	14.75	7.14	2.70	1.18
12.20	5.35	1.51	4.66	14.80	7.16	2.71	1.16
12.25	5.47	1.59	5.81	14.85	7.17	2.72	1.14
12.30	5.60	1.66	7.06	14.90	7.18	2.73	1.12
12.35	5.69	1.72	8.29	14.95	7.19	2.74	1.10
12.40	5.78	1.78	9.34	15.00	7.21	2.75	1.08
12.45	5.86	1.83	10.08	15.05	7.22	2.76	1.06
12.50	5.95	1.89	10.49	15.10	7.23	2.77	1.03
12.55	6.00	1.92	**10.55**	15.15	7.24	2.78	1.01
12.60	6.06	1.96	10.37	15.20	7.25	2.79	0.99
12.65	6.11	1.99	9.94	15.25	7.27	2.79	0.97
12.70	6.16	2.03	9.37	15.30	7.28	2.80	0.95
12.75	6.21	2.06	8.70	15.35	7.29	2.81	0.93
12.80	6.25	2.09	8.00	15.40	7.30	2.82	0.91
12.85	6.30	2.12	7.35	15.45	7.31	2.83	0.90
12.90	6.34	2.15	6.76	15.50	7.32	2.83	0.88
12.95	6.38	2.17	6.21	15.55	7.33	2.84	0.87

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	2.85	0.85	18.20	7.80	3.18	0.53
15.65	7.36	2.86	0.84	18.25	7.80	3.19	0.53
15.70	7.37	2.87	0.83	18.30	7.81	3.19	0.52
15.75	7.38	2.87	0.82	18.35	7.82	3.20	0.52
15.80	7.39	2.88	0.81	18.40	7.82	3.20	0.51
15.85	7.40	2.89	0.80	18.45	7.83	3.21	0.51
15.90	7.41	2.90	0.80	18.50	7.84	3.21	0.50
15.95	7.42	2.90	0.79	18.55	7.84	3.22	0.50
16.00	7.43	2.91	0.78	18.60	7.85	3.22	0.49
16.05	7.44	2.92	0.77	18.65	7.86	3.23	0.49
16.10	7.45	2.93	0.77	18.70	7.86	3.23	0.49
16.15	7.46	2.93	0.76	18.75	7.87	3.24	0.49
16.20	7.47	2.94	0.76	18.80	7.88	3.24	0.48
16.25	7.48	2.95	0.75	18.85	7.88	3.25	0.48
16.30	7.49	2.95	0.74	18.90	7.89	3.25	0.48
16.35	7.50	2.96	0.74	18.95	7.90	3.26	0.48
16.40	7.51	2.97	0.73	19.00	7.90	3.26	0.47
16.45	7.52	2.98	0.73	19.05	7.91	3.27	0.47
16.50	7.53	2.98	0.72	19.10	7.92	3.27	0.47
16.55	7.54	2.99	0.72	19.15	7.92	3.28	0.47
16.60	7.55	3.00	0.71	19.20	7.93	3.28	0.47
16.65	7.55	3.00	0.71	19.25	7.93	3.28	0.47
16.70	7.56	3.01	0.70	19.30	7.94	3.29	0.47
16.75	7.57	3.02	0.69	19.35	7.95	3.29	0.46
16.80	7.58	3.02	0.69	19.40	7.95	3.30	0.46
16.85	7.59	3.03	0.68	19.45	7.96	3.30	0.46
16.90	7.60	3.04	0.68	19.50	7.97	3.31	0.46
16.95	7.61	3.04	0.67	19.55	7.97	3.31	0.46
17.00	7.62	3.05	0.67	19.60	7.98	3.32	0.46
17.05	7.63	3.05	0.66	19.65	7.98	3.32	0.46
17.10	7.63	3.06	0.66	19.70	7.99	3.33	0.45
17.15	7.64	3.07	0.65	19.75	8.00	3.33	0.45
17.20	7.65	3.07	0.64	19.80	8.00	3.34	0.45
17.25	7.66	3.08	0.64	19.85	8.01	3.34	0.45
17.30	7.67	3.09	0.63	19.90	8.01	3.34	0.45
17.35	7.67	3.09	0.63	19.95	8.02	3.35	0.45
17.40	7.68	3.10	0.62	20.00	8.03	3.35	0.45
17.45	7.69	3.10	0.62	20.05	8.03	3.36	0.44
17.50	7.70	3.11	0.61	20.10	8.04	3.36	0.44
17.55	7.71	3.11	0.61	20.15	8.04	3.37	0.44
17.60	7.71	3.12	0.60	20.20	8.05	3.37	0.44
17.65	7.72	3.13	0.59	20.25	8.06	3.38	0.44
17.70	7.73	3.13	0.59	20.30	8.06	3.38	0.44
17.75	7.74	3.14	0.58	20.35	8.07	3.38	0.44
17.80	7.74	3.14	0.58	20.40	8.07	3.39	0.44
17.85	7.75	3.15	0.57	20.45	8.08	3.39	0.43
17.90	7.76	3.15	0.57	20.50	8.09	3.40	0.43
17.95	7.76	3.16	0.56	20.55	8.09	3.40	0.43
18.00	7.77	3.16	0.55	20.60	8.10	3.41	0.43
18.05	7.78	3.17	0.55	20.65	8.10	3.41	0.43
18.10	7.78	3.17	0.54	20.70	8.11	3.41	0.43
18.15	7.79	3.18	0.54	20.75	8.11	3.42	0.43

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	3.42	0.42	23.40	8.38	3.62	0.35
20.85	8.13	3.43	0.42	23.45	8.39	3.63	0.35
20.90	8.13	3.43	0.42	23.50	8.39	3.63	0.35
20.95	8.14	3.44	0.42	23.55	8.40	3.63	0.35
21.00	8.14	3.44	0.42	23.60	8.40	3.64	0.34
21.05	8.15	3.44	0.42	23.65	8.41	3.64	0.34
21.10	8.15	3.45	0.42	23.70	8.41	3.65	0.34
21.15	8.16	3.45	0.41	23.75	8.42	3.65	0.34
21.20	8.16	3.46	0.41	23.80	8.42	3.65	0.34
21.25	8.17	3.46	0.41	23.85	8.42	3.66	0.34
21.30	8.18	3.47	0.41	23.90	8.43	3.66	0.34
21.35	8.18	3.47	0.41	23.95	8.43	3.66	0.33
21.40	8.19	3.47	0.41	24.00	**8.44**	**3.67**	0.33
21.45	8.19	3.48	0.41	24.05	8.44	3.67	0.33
21.50	8.20	3.48	0.40	24.10	8.44	3.67	0.33
21.55	8.20	3.49	0.40	24.15	8.44	3.67	0.33
21.60	8.21	3.49	0.40	24.20	8.44	3.67	0.32
21.65	8.21	3.49	0.40	24.25	8.44	3.67	0.31
21.70	8.22	3.50	0.40	24.30	8.44	3.67	0.30
21.75	8.22	3.50	0.40	24.35	8.44	3.67	0.28
21.80	8.23	3.51	0.40	24.40	8.44	3.67	0.25
21.85	8.23	3.51	0.39	24.45	8.44	3.67	0.22
21.90	8.24	3.51	0.39	24.50	8.44	3.67	0.19
21.95	8.24	3.52	0.39	24.55	8.44	3.67	0.16
22.00	8.25	3.52	0.39	24.60	8.44	3.67	0.13
22.05	8.25	3.53	0.39	24.65	8.44	3.67	0.11
22.10	8.26	3.53	0.39	24.70	8.44	3.67	0.09
22.15	8.26	3.53	0.39	24.75	8.44	3.67	0.07
22.20	8.27	3.54	0.38	24.80	8.44	3.67	0.06
22.25	8.27	3.54	0.38	24.85	8.44	3.67	0.05
22.30	8.28	3.54	0.38	24.90	8.44	3.67	0.04
22.35	8.28	3.55	0.38	24.95	8.44	3.67	0.03
22.40	8.29	3.55	0.38	25.00	8.44	3.67	0.03
22.45	8.29	3.56	0.38	25.05	8.44	3.67	0.02
22.50	8.30	3.56	0.38	25.10	8.44	3.67	0.02
22.55	8.30	3.56	0.37	25.15	8.44	3.67	0.02
22.60	8.31	3.57	0.37	25.20	8.44	3.67	0.01
22.65	8.31	3.57	0.37	25.25	8.44	3.67	0.01
22.70	8.32	3.57	0.37	25.30	8.44	3.67	0.01
22.75	8.32	3.58	0.37	25.35	8.44	3.67	0.01
22.80	8.33	3.58	0.37	25.40	8.44	3.67	0.01
22.85	8.33	3.59	0.37	25.45	8.44	3.67	0.00
22.90	8.34	3.59	0.36	25.50	8.44	3.67	0.00
22.95	8.34	3.59	0.36	25.55	8.44	3.67	0.00
23.00	8.35	3.60	0.36	25.60	8.44	3.67	0.00
23.05	8.35	3.60	0.36	25.65	8.44	3.67	0.00
23.10	8.36	3.60	0.36	25.70	8.44	3.67	0.00
23.15	8.36	3.61	0.36	25.75	8.44	3.67	0.00
23.20	8.37	3.61	0.36	25.80	8.44	3.67	0.00
23.25	8.37	3.61	0.35	25.85	8.44	3.67	0.00
23.30	8.38	3.62	0.35	25.90	8.44	3.67	0.00
23.35	8.38	3.62	0.35	25.95	8.44	3.67	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	3.67	0.00	28.60	8.44	3.67	0.00
26.05	8.44	3.67	0.00	28.65	8.44	3.67	0.00
26.10	8.44	3.67	0.00	28.70	8.44	3.67	0.00
26.15	8.44	3.67	0.00	28.75	8.44	3.67	0.00
26.20	8.44	3.67	0.00	28.80	8.44	3.67	0.00
26.25	8.44	3.67	0.00	28.85	8.44	3.67	0.00
26.30	8.44	3.67	0.00	28.90	8.44	3.67	0.00
26.35	8.44	3.67	0.00	28.95	8.44	3.67	0.00
26.40	8.44	3.67	0.00	29.00	8.44	3.67	0.00
26.45	8.44	3.67	0.00	29.05	8.44	3.67	0.00
26.50	8.44	3.67	0.00	29.10	8.44	3.67	0.00
26.55	8.44	3.67	0.00	29.15	8.44	3.67	0.00
26.60	8.44	3.67	0.00	29.20	8.44	3.67	0.00
26.65	8.44	3.67	0.00	29.25	8.44	3.67	0.00
26.70	8.44	3.67	0.00	29.30	8.44	3.67	0.00
26.75	8.44	3.67	0.00	29.35	8.44	3.67	0.00
26.80	8.44	3.67	0.00	29.40	8.44	3.67	0.00
26.85	8.44	3.67	0.00	29.45	8.44	3.67	0.00
26.90	8.44	3.67	0.00	29.50	8.44	3.67	0.00
26.95	8.44	3.67	0.00	29.55	8.44	3.67	0.00
27.00	8.44	3.67	0.00	29.60	8.44	3.67	0.00
27.05	8.44	3.67	0.00	29.65	8.44	3.67	0.00
27.10	8.44	3.67	0.00	29.70	8.44	3.67	0.00
27.15	8.44	3.67	0.00	29.75	8.44	3.67	0.00
27.20	8.44	3.67	0.00	29.80	8.44	3.67	0.00
27.25	8.44	3.67	0.00	29.85	8.44	3.67	0.00
27.30	8.44	3.67	0.00	29.90	8.44	3.67	0.00
27.35	8.44	3.67	0.00	29.95	8.44	3.67	0.00
27.40	8.44	3.67	0.00	30.00	8.44	3.67	0.00
27.45	8.44	3.67	0.00	30.05	8.44	3.67	0.00
27.50	8.44	3.67	0.00	30.10	8.44	3.67	0.00
27.55	8.44	3.67	0.00	30.15	8.44	3.67	0.00
27.60	8.44	3.67	0.00	30.20	8.44	3.67	0.00
27.65	8.44	3.67	0.00	30.25	8.44	3.67	0.00
27.70	8.44	3.67	0.00	30.30	8.44	3.67	0.00
27.75	8.44	3.67	0.00	30.35	8.44	3.67	0.00
27.80	8.44	3.67	0.00	30.40	8.44	3.67	0.00
27.85	8.44	3.67	0.00	30.45	8.44	3.67	0.00
27.90	8.44	3.67	0.00	30.50	8.44	3.67	0.00
27.95	8.44	3.67	0.00	30.55	8.44	3.67	0.00
28.00	8.44	3.67	0.00	30.60	8.44	3.67	0.00
28.05	8.44	3.67	0.00	30.65	8.44	3.67	0.00
28.10	8.44	3.67	0.00	30.70	8.44	3.67	0.00
28.15	8.44	3.67	0.00	30.75	8.44	3.67	0.00
28.20	8.44	3.67	0.00	30.80	8.44	3.67	0.00
28.25	8.44	3.67	0.00	30.85	8.44	3.67	0.00
28.30	8.44	3.67	0.00	30.90	8.44	3.67	0.00
28.35	8.44	3.67	0.00	30.95	8.44	3.67	0.00
28.40	8.44	3.67	0.00	31.00	8.44	3.67	0.00
28.45	8.44	3.67	0.00	31.05	8.44	3.67	0.00
28.50	8.44	3.67	0.00	31.10	8.44	3.67	0.00
28.55	8.44	3.67	0.00	31.15	8.44	3.67	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	3.67	0.00	33.80	8.44	3.67	0.00
31.25	8.44	3.67	0.00	33.85	8.44	3.67	0.00
31.30	8.44	3.67	0.00	33.90	8.44	3.67	0.00
31.35	8.44	3.67	0.00	33.95	8.44	3.67	0.00
31.40	8.44	3.67	0.00	34.00	8.44	3.67	0.00
31.45	8.44	3.67	0.00	34.05	8.44	3.67	0.00
31.50	8.44	3.67	0.00	34.10	8.44	3.67	0.00
31.55	8.44	3.67	0.00	34.15	8.44	3.67	0.00
31.60	8.44	3.67	0.00	34.20	8.44	3.67	0.00
31.65	8.44	3.67	0.00	34.25	8.44	3.67	0.00
31.70	8.44	3.67	0.00	34.30	8.44	3.67	0.00
31.75	8.44	3.67	0.00	34.35	8.44	3.67	0.00
31.80	8.44	3.67	0.00	34.40	8.44	3.67	0.00
31.85	8.44	3.67	0.00	34.45	8.44	3.67	0.00
31.90	8.44	3.67	0.00	34.50	8.44	3.67	0.00
31.95	8.44	3.67	0.00	34.55	8.44	3.67	0.00
32.00	8.44	3.67	0.00	34.60	8.44	3.67	0.00
32.05	8.44	3.67	0.00	34.65	8.44	3.67	0.00
32.10	8.44	3.67	0.00	34.70	8.44	3.67	0.00
32.15	8.44	3.67	0.00	34.75	8.44	3.67	0.00
32.20	8.44	3.67	0.00	34.80	8.44	3.67	0.00
32.25	8.44	3.67	0.00	34.85	8.44	3.67	0.00
32.30	8.44	3.67	0.00	34.90	8.44	3.67	0.00
32.35	8.44	3.67	0.00	34.95	8.44	3.67	0.00
32.40	8.44	3.67	0.00	35.00	8.44	3.67	0.00
32.45	8.44	3.67	0.00	35.05	8.44	3.67	0.00
32.50	8.44	3.67	0.00	35.10	8.44	3.67	0.00
32.55	8.44	3.67	0.00	35.15	8.44	3.67	0.00
32.60	8.44	3.67	0.00	35.20	8.44	3.67	0.00
32.65	8.44	3.67	0.00	35.25	8.44	3.67	0.00
32.70	8.44	3.67	0.00	35.30	8.44	3.67	0.00
32.75	8.44	3.67	0.00	35.35	8.44	3.67	0.00
32.80	8.44	3.67	0.00	35.40	8.44	3.67	0.00
32.85	8.44	3.67	0.00	35.45	8.44	3.67	0.00
32.90	8.44	3.67	0.00	35.50	8.44	3.67	0.00
32.95	8.44	3.67	0.00	35.55	8.44	3.67	0.00
33.00	8.44	3.67	0.00	35.60	8.44	3.67	0.00
33.05	8.44	3.67	0.00	35.65	8.44	3.67	0.00
33.10	8.44	3.67	0.00	35.70	8.44	3.67	0.00
33.15	8.44	3.67	0.00	35.75	8.44	3.67	0.00
33.20	8.44	3.67	0.00	35.80	8.44	3.67	0.00
33.25	8.44	3.67	0.00	35.85	8.44	3.67	0.00
33.30	8.44	3.67	0.00	35.90	8.44	3.67	0.00
33.35	8.44	3.67	0.00	35.95	8.44	3.67	0.00
33.40	8.44	3.67	0.00	36.00	8.44	3.67	0.00
33.45	8.44	3.67	0.00	36.05	8.44	3.67	0.00
33.50	8.44	3.67	0.00	36.10	8.44	3.67	0.00
33.55	8.44	3.67	0.00	36.15	8.44	3.67	0.00
33.60	8.44	3.67	0.00	36.20	8.44	3.67	0.00
33.65	8.44	3.67	0.00	36.25	8.44	3.67	0.00
33.70	8.44	3.67	0.00	36.30	8.44	3.67	0.00
33.75	8.44	3.67	0.00	36.35	8.44	3.67	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	3.67	0.00
36.45	8.44	3.67	0.00
36.50	8.44	3.67	0.00
36.55	8.44	3.67	0.00
36.60	8.44	3.67	0.00
36.65	8.44	3.67	0.00
36.70	8.44	3.67	0.00
36.75	8.44	3.67	0.00
36.80	8.44	3.67	0.00
36.85	8.44	3.67	0.00
36.90	8.44	3.67	0.00
36.95	8.44	3.67	0.00
37.00	8.44	3.67	0.00
37.05	8.44	3.67	0.00
37.10	8.44	3.67	0.00
37.15	8.44	3.67	0.00
37.20	8.44	3.67	0.00
37.25	8.44	3.67	0.00
37.30	8.44	3.67	0.00
37.35	8.44	3.67	0.00
37.40	8.44	3.67	0.00
37.45	8.44	3.67	0.00
37.50	8.44	3.67	0.00
37.55	8.44	3.67	0.00
37.60	8.44	3.67	0.00
37.65	8.44	3.67	0.00
37.70	8.44	3.67	0.00
37.75	8.44	3.67	0.00
37.80	8.44	3.67	0.00
37.85	8.44	3.67	0.00
37.90	8.44	3.67	0.00
37.95	8.44	3.67	0.00
38.00	8.44	3.67	0.00
38.05	8.44	3.67	0.00
38.10	8.44	3.67	0.00
38.15	8.44	3.67	0.00
38.20	8.44	3.67	0.00
38.25	8.44	3.67	0.00
38.30	8.44	3.67	0.00
38.35	8.44	3.67	0.00
38.40	8.44	3.67	0.00
38.45	8.44	3.67	0.00
38.50	8.44	3.67	0.00
38.55	8.44	3.67	0.00
38.60	8.44	3.67	0.00
38.65	8.44	3.67	0.00
38.70	8.44	3.67	0.00
38.75	8.44	3.67	0.00
38.80	8.44	3.67	0.00
38.85	8.44	3.67	0.00
38.90	8.44	3.67	0.00
38.95	8.44	3.67	0.00
39.00	8.44	3.67	0.00
39.05	8.44	3.67	0.00
39.10	8.44	3.67	0.00
39.15	8.44	3.67	0.00
39.20	8.44	3.67	0.00
39.25	8.44	3.67	0.00
39.30	8.44	3.67	0.00
39.35	8.44	3.67	0.00
39.40	8.44	3.67	0.00
39.45	8.44	3.67	0.00
39.50	8.44	3.67	0.00
39.55	8.44	3.67	0.00
39.60	8.44	3.67	0.00
39.65	8.44	3.67	0.00
39.70	8.44	3.67	0.00
39.75	8.44	3.67	0.00
39.80	8.44	3.67	0.00
39.85	8.44	3.67	0.00
39.90	8.44	3.67	0.00
39.95	8.44	3.67	0.00
40.00	8.44	3.67	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

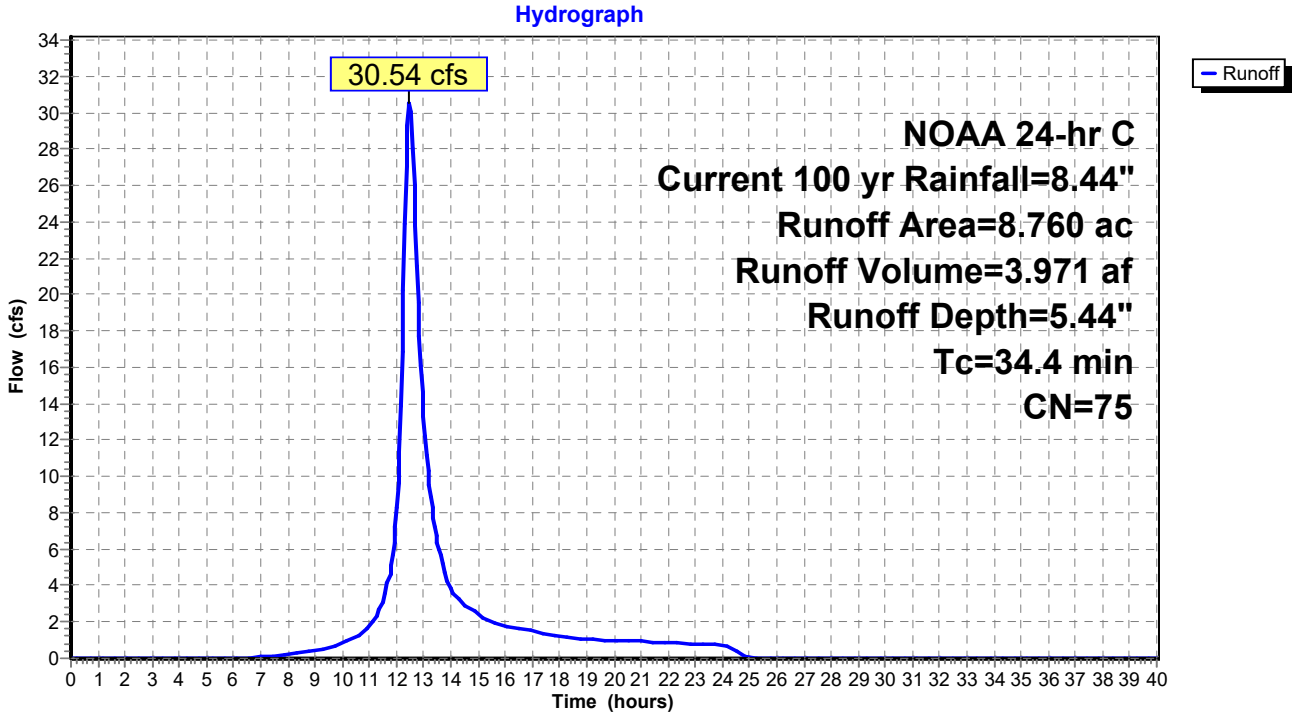
Runoff = 30.54 cfs @ 12.48 hrs, Volume= 3.971 af, Depth= 5.44"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.03	0.18
5.25	0.57	0.00	0.00	7.85	0.98	0.03	0.19
5.30	0.58	0.00	0.00	7.90	0.99	0.03	0.20
5.35	0.58	0.00	0.00	7.95	1.00	0.03	0.21
5.40	0.59	0.00	0.00	8.00	1.01	0.03	0.22
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.23
5.50	0.60	0.00	0.00	8.10	1.03	0.04	0.24
5.55	0.61	0.00	0.00	8.15	1.04	0.04	0.25
5.60	0.62	0.00	0.00	8.20	1.05	0.04	0.26
5.65	0.62	0.00	0.00	8.25	1.06	0.04	0.27
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.28
5.75	0.64	0.00	0.00	8.35	1.08	0.05	0.29
5.80	0.64	0.00	0.00	8.40	1.10	0.05	0.30
5.85	0.65	0.00	0.00	8.45	1.11	0.05	0.31
5.90	0.66	0.00	0.00	8.50	1.12	0.05	0.32
5.95	0.66	0.00	0.00	8.55	1.13	0.06	0.33
6.00	0.67	0.00	0.00	8.60	1.14	0.06	0.34
6.05	0.68	0.00	0.00	8.65	1.15	0.06	0.35
6.10	0.68	0.00	0.00	8.70	1.16	0.06	0.36
6.15	0.69	0.00	0.00	8.75	1.17	0.07	0.37
6.20	0.70	0.00	0.00	8.80	1.19	0.07	0.38
6.25	0.70	0.00	0.00	8.85	1.20	0.07	0.40
6.30	0.71	0.00	0.00	8.90	1.21	0.08	0.41
6.35	0.72	0.00	0.00	8.95	1.22	0.08	0.42
6.40	0.73	0.00	0.00	9.00	1.23	0.08	0.43
6.45	0.73	0.00	0.01	9.05	1.25	0.09	0.44
6.50	0.74	0.00	0.01	9.10	1.26	0.09	0.46
6.55	0.75	0.00	0.01	9.15	1.27	0.09	0.47
6.60	0.76	0.00	0.02	9.20	1.28	0.10	0.48
6.65	0.77	0.00	0.02	9.25	1.30	0.10	0.50
6.70	0.77	0.00	0.03	9.30	1.31	0.10	0.51
6.75	0.78	0.00	0.03	9.35	1.33	0.11	0.53
6.80	0.79	0.00	0.04	9.40	1.34	0.11	0.55
6.85	0.80	0.00	0.04	9.45	1.35	0.12	0.57
6.90	0.81	0.01	0.05	9.50	1.37	0.12	0.59
6.95	0.81	0.01	0.05	9.55	1.39	0.13	0.61
7.00	0.82	0.01	0.06	9.60	1.40	0.13	0.63
7.05	0.83	0.01	0.06	9.65	1.42	0.14	0.65
7.10	0.84	0.01	0.07	9.70	1.43	0.14	0.68
7.15	0.85	0.01	0.08	9.75	1.45	0.15	0.71
7.20	0.86	0.01	0.08	9.80	1.47	0.16	0.73
7.25	0.87	0.01	0.09	9.85	1.49	0.16	0.76
7.30	0.88	0.01	0.10	9.90	1.50	0.17	0.79
7.35	0.89	0.01	0.11	9.95	1.52	0.17	0.82
7.40	0.89	0.01	0.11	10.00	1.54	0.18	0.85
7.45	0.90	0.02	0.12	10.05	1.56	0.19	0.88
7.50	0.91	0.02	0.13	10.10	1.58	0.20	0.91
7.55	0.92	0.02	0.14	10.15	1.60	0.20	0.95
7.60	0.93	0.02	0.15	10.20	1.62	0.21	0.98
7.65	0.94	0.02	0.15	10.25	1.64	0.22	1.02
7.70	0.95	0.02	0.16	10.30	1.66	0.23	1.05
7.75	0.96	0.02	0.17	10.35	1.68	0.23	1.09

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.24	1.12	13.00	6.41	3.64	13.34
10.45	1.72	0.25	1.16	13.05	6.45	3.67	12.20
10.50	1.74	0.26	1.20	13.10	6.48	3.70	11.20
10.55	1.76	0.27	1.24	13.15	6.51	3.72	10.31
10.60	1.79	0.28	1.28	13.20	6.54	3.75	9.54
10.65	1.81	0.29	1.32	13.25	6.57	3.77	8.86
10.70	1.84	0.31	1.36	13.30	6.60	3.80	8.24
10.75	1.87	0.32	1.41	13.35	6.63	3.82	7.70
10.80	1.90	0.33	1.47	13.40	6.65	3.85	7.21
10.85	1.93	0.35	1.53	13.45	6.68	3.87	6.76
10.90	1.96	0.36	1.60	13.50	6.70	3.89	6.37
10.95	1.99	0.38	1.68	13.55	6.72	3.91	6.00
11.00	2.03	0.39	1.77	13.60	6.74	3.92	5.67
11.05	2.06	0.41	1.87	13.65	6.76	3.94	5.37
11.10	2.10	0.43	1.97	13.70	6.78	3.96	5.09
11.15	2.14	0.45	2.08	13.75	6.80	3.98	4.83
11.20	2.19	0.48	2.21	13.80	6.82	4.00	4.60
11.25	2.23	0.50	2.34	13.85	6.84	4.01	4.37
11.30	2.28	0.53	2.48	13.90	6.86	4.03	4.16
11.35	2.33	0.55	2.65	13.95	6.88	4.05	3.98
11.40	2.38	0.58	2.82	14.00	6.90	4.06	3.82
11.45	2.44	0.62	3.01	14.05	6.92	4.08	3.68
11.50	2.49	0.65	3.22	14.10	6.94	4.09	3.56
11.55	2.58	0.70	3.43	14.15	6.95	4.11	3.45
11.60	2.66	0.75	3.68	14.20	6.97	4.13	3.36
11.65	2.75	0.80	3.96	14.25	6.99	4.14	3.28
11.70	2.84	0.86	4.28	14.30	7.01	4.15	3.20
11.75	2.97	0.94	4.67	14.35	7.02	4.17	3.13
11.80	3.09	1.02	5.13	14.40	7.04	4.18	3.06
11.85	3.26	1.14	5.69	14.45	7.05	4.20	3.00
11.90	3.43	1.25	6.37	14.50	7.07	4.21	2.94
11.95	3.73	1.47	7.20	14.55	7.09	4.22	2.88
12.00	4.02	1.68	8.24	14.60	7.10	4.24	2.83
12.05	4.52	2.06	9.60	14.65	7.11	4.25	2.78
12.10	5.01	2.46	11.40	14.70	7.13	4.26	2.72
12.15	5.18	2.59	13.84	14.75	7.14	4.28	2.67
12.20	5.35	2.74	16.84	14.80	7.16	4.29	2.62
12.25	5.47	2.84	20.28	14.85	7.17	4.30	2.57
12.30	5.60	2.94	23.87	14.90	7.18	4.31	2.52
12.35	5.69	3.02	27.04	14.95	7.19	4.32	2.47
12.40	5.78	3.09	29.29	15.00	7.21	4.33	2.42
12.45	5.86	3.16	30.37	15.05	7.22	4.34	2.37
12.50	5.95	3.24	**30.45**	15.10	7.23	4.35	2.32
12.55	6.00	3.28	29.57	15.15	7.24	4.36	2.27
12.60	6.06	3.33	28.04	15.20	7.25	4.37	2.22
12.65	6.11	3.37	26.04	15.25	7.27	4.38	2.18
12.70	6.16	3.42	23.76	15.30	7.28	4.39	2.13
12.75	6.21	3.46	21.56	15.35	7.29	4.40	2.09
12.80	6.25	3.50	19.55	15.40	7.30	4.41	2.04
12.85	6.30	3.54	17.73	15.45	7.31	4.42	2.01
12.90	6.34	3.57	16.10	15.50	7.32	4.43	1.97
12.95	6.38	3.61	14.64	15.55	7.33	4.44	1.94

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.45	1.91	18.20	7.80	4.86	1.18
15.65	7.36	4.46	1.89	18.25	7.80	4.87	1.17
15.70	7.37	4.47	1.86	18.30	7.81	4.87	1.15
15.75	7.38	4.48	1.84	18.35	7.82	4.88	1.14
15.80	7.39	4.49	1.82	18.40	7.82	4.88	1.13
15.85	7.40	4.50	1.81	18.45	7.83	4.89	1.12
15.90	7.41	4.51	1.79	18.50	7.84	4.90	1.11
15.95	7.42	4.52	1.77	18.55	7.84	4.90	1.10
16.00	7.43	4.53	1.76	18.60	7.85	4.91	1.09
16.05	7.44	4.54	1.74	18.65	7.86	4.91	1.09
16.10	7.45	4.55	1.73	18.70	7.86	4.92	1.08
16.15	7.46	4.56	1.71	18.75	7.87	4.93	1.08
16.20	7.47	4.57	1.70	18.80	7.88	4.93	1.07
16.25	7.48	4.57	1.69	18.85	7.88	4.94	1.07
16.30	7.49	4.58	1.67	18.90	7.89	4.94	1.06
16.35	7.50	4.59	1.66	18.95	7.90	4.95	1.06
16.40	7.51	4.60	1.65	19.00	7.90	4.95	1.05
16.45	7.52	4.61	1.63	19.05	7.91	4.96	1.05
16.50	7.53	4.62	1.62	19.10	7.92	4.97	1.05
16.55	7.54	4.63	1.61	19.15	7.92	4.97	1.04
16.60	7.55	4.63	1.59	19.20	7.93	4.98	1.04
16.65	7.55	4.64	1.58	19.25	7.93	4.98	1.04
16.70	7.56	4.65	1.57	19.30	7.94	4.99	1.03
16.75	7.57	4.66	1.55	19.35	7.95	4.99	1.03
16.80	7.58	4.67	1.54	19.40	7.95	5.00	1.03
16.85	7.59	4.67	1.53	19.45	7.96	5.01	1.02
16.90	7.60	4.68	1.52	19.50	7.97	5.01	1.02
16.95	7.61	4.69	1.50	19.55	7.97	5.02	1.02
17.00	7.62	4.70	1.49	19.60	7.98	5.02	1.01
17.05	7.63	4.70	1.48	19.65	7.98	5.03	1.01
17.10	7.63	4.71	1.46	19.70	7.99	5.03	1.01
17.15	7.64	4.72	1.45	19.75	8.00	5.04	1.00
17.20	7.65	4.73	1.44	19.80	8.00	5.04	1.00
17.25	7.66	4.73	1.43	19.85	8.01	5.05	1.00
17.30	7.67	4.74	1.41	19.90	8.01	5.06	0.99
17.35	7.67	4.75	1.40	19.95	8.02	5.06	0.99
17.40	7.68	4.76	1.39	20.00	8.03	5.07	0.99
17.45	7.69	4.76	1.37	20.05	8.03	5.07	0.98
17.50	7.70	4.77	1.36	20.10	8.04	5.08	0.98
17.55	7.71	4.78	1.35	20.15	8.04	5.08	0.98
17.60	7.71	4.78	1.33	20.20	8.05	5.09	0.98
17.65	7.72	4.79	1.32	20.25	8.06	5.09	0.97
17.70	7.73	4.80	1.31	20.30	8.06	5.10	0.97
17.75	7.74	4.80	1.30	20.35	8.07	5.10	0.97
17.80	7.74	4.81	1.28	20.40	8.07	5.11	0.96
17.85	7.75	4.82	1.27	20.45	8.08	5.11	0.96
17.90	7.76	4.82	1.26	20.50	8.09	5.12	0.95
17.95	7.76	4.83	1.24	20.55	8.09	5.12	0.95
18.00	7.77	4.84	1.23	20.60	8.10	5.13	0.95
18.05	7.78	4.84	1.22	20.65	8.10	5.13	0.94
18.10	7.78	4.85	1.20	20.70	8.11	5.14	0.94
18.15	7.79	4.85	1.19	20.75	8.11	5.14	0.94

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.15	0.94	23.40	8.38	5.39	0.77
20.85	8.13	5.16	0.93	23.45	8.39	5.39	0.76
20.90	8.13	5.16	0.93	23.50	8.39	5.40	0.76
20.95	8.14	5.17	0.93	23.55	8.40	5.40	0.76
21.00	8.14	5.17	0.92	23.60	8.40	5.41	0.75
21.05	8.15	5.18	0.92	23.65	8.41	5.41	0.75
21.10	8.15	5.18	0.92	23.70	8.41	5.41	0.75
21.15	8.16	5.19	0.91	23.75	8.42	5.42	0.74
21.20	8.16	5.19	0.91	23.80	8.42	5.42	0.74
21.25	8.17	5.20	0.91	23.85	8.42	5.43	0.74
21.30	8.18	5.20	0.90	23.90	8.43	5.43	0.73
21.35	8.18	5.20	0.90	23.95	8.43	5.44	0.73
21.40	8.19	5.21	0.90	24.00	**8.44**	**5.44**	0.73
21.45	8.19	5.21	0.89	24.05	8.44	5.44	0.73
21.50	8.20	5.22	0.89	24.10	8.44	5.44	0.72
21.55	8.20	5.22	0.89	24.15	8.44	5.44	0.72
21.60	8.21	5.23	0.88	24.20	8.44	5.44	0.70
21.65	8.21	5.23	0.88	24.25	8.44	5.44	0.68
21.70	8.22	5.24	0.88	24.30	8.44	5.44	0.63
21.75	8.22	5.24	0.87	24.35	8.44	5.44	0.57
21.80	8.23	5.25	0.87	24.40	8.44	5.44	0.50
21.85	8.23	5.25	0.87	24.45	8.44	5.44	0.43
21.90	8.24	5.26	0.86	24.50	8.44	5.44	0.36
21.95	8.24	5.26	0.86	24.55	8.44	5.44	0.30
22.00	8.25	5.27	0.86	24.60	8.44	5.44	0.24
22.05	8.25	5.27	0.85	24.65	8.44	5.44	0.19
22.10	8.26	5.28	0.85	24.70	8.44	5.44	0.15
22.15	8.26	5.28	0.85	24.75	8.44	5.44	0.12
22.20	8.27	5.29	0.84	24.80	8.44	5.44	0.10
22.25	8.27	5.29	0.84	24.85	8.44	5.44	0.08
22.30	8.28	5.29	0.84	24.90	8.44	5.44	0.07
22.35	8.28	5.30	0.83	24.95	8.44	5.44	0.05
22.40	8.29	5.30	0.83	25.00	8.44	5.44	0.04
22.45	8.29	5.31	0.83	25.05	8.44	5.44	0.03
22.50	8.30	5.31	0.83	25.10	8.44	5.44	0.03
22.55	8.30	5.32	0.82	25.15	8.44	5.44	0.02
22.60	8.31	5.32	0.82	25.20	8.44	5.44	0.02
22.65	8.31	5.33	0.82	25.25	8.44	5.44	0.01
22.70	8.32	5.33	0.81	25.30	8.44	5.44	0.01
22.75	8.32	5.33	0.81	25.35	8.44	5.44	0.01
22.80	8.33	5.34	0.81	25.40	8.44	5.44	0.01
22.85	8.33	5.34	0.80	25.45	8.44	5.44	0.01
22.90	8.34	5.35	0.80	25.50	8.44	5.44	0.00
22.95	8.34	5.35	0.80	25.55	8.44	5.44	0.00
23.00	8.35	5.36	0.79	25.60	8.44	5.44	0.00
23.05	8.35	5.36	0.79	25.65	8.44	5.44	0.00
23.10	8.36	5.37	0.79	25.70	8.44	5.44	0.00
23.15	8.36	5.37	0.78	25.75	8.44	5.44	0.00
23.20	8.37	5.37	0.78	25.80	8.44	5.44	0.00
23.25	8.37	5.38	0.78	25.85	8.44	5.44	0.00
23.30	8.38	5.38	0.77	25.90	8.44	5.44	0.00
23.35	8.38	5.39	0.77	25.95	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.44	0.00	28.60	8.44	5.44	0.00
26.05	8.44	5.44	0.00	28.65	8.44	5.44	0.00
26.10	8.44	5.44	0.00	28.70	8.44	5.44	0.00
26.15	8.44	5.44	0.00	28.75	8.44	5.44	0.00
26.20	8.44	5.44	0.00	28.80	8.44	5.44	0.00
26.25	8.44	5.44	0.00	28.85	8.44	5.44	0.00
26.30	8.44	5.44	0.00	28.90	8.44	5.44	0.00
26.35	8.44	5.44	0.00	28.95	8.44	5.44	0.00
26.40	8.44	5.44	0.00	29.00	8.44	5.44	0.00
26.45	8.44	5.44	0.00	29.05	8.44	5.44	0.00
26.50	8.44	5.44	0.00	29.10	8.44	5.44	0.00
26.55	8.44	5.44	0.00	29.15	8.44	5.44	0.00
26.60	8.44	5.44	0.00	29.20	8.44	5.44	0.00
26.65	8.44	5.44	0.00	29.25	8.44	5.44	0.00
26.70	8.44	5.44	0.00	29.30	8.44	5.44	0.00
26.75	8.44	5.44	0.00	29.35	8.44	5.44	0.00
26.80	8.44	5.44	0.00	29.40	8.44	5.44	0.00
26.85	8.44	5.44	0.00	29.45	8.44	5.44	0.00
26.90	8.44	5.44	0.00	29.50	8.44	5.44	0.00
26.95	8.44	5.44	0.00	29.55	8.44	5.44	0.00
27.00	8.44	5.44	0.00	29.60	8.44	5.44	0.00
27.05	8.44	5.44	0.00	29.65	8.44	5.44	0.00
27.10	8.44	5.44	0.00	29.70	8.44	5.44	0.00
27.15	8.44	5.44	0.00	29.75	8.44	5.44	0.00
27.20	8.44	5.44	0.00	29.80	8.44	5.44	0.00
27.25	8.44	5.44	0.00	29.85	8.44	5.44	0.00
27.30	8.44	5.44	0.00	29.90	8.44	5.44	0.00
27.35	8.44	5.44	0.00	29.95	8.44	5.44	0.00
27.40	8.44	5.44	0.00	30.00	8.44	5.44	0.00
27.45	8.44	5.44	0.00	30.05	8.44	5.44	0.00
27.50	8.44	5.44	0.00	30.10	8.44	5.44	0.00
27.55	8.44	5.44	0.00	30.15	8.44	5.44	0.00
27.60	8.44	5.44	0.00	30.20	8.44	5.44	0.00
27.65	8.44	5.44	0.00	30.25	8.44	5.44	0.00
27.70	8.44	5.44	0.00	30.30	8.44	5.44	0.00
27.75	8.44	5.44	0.00	30.35	8.44	5.44	0.00
27.80	8.44	5.44	0.00	30.40	8.44	5.44	0.00
27.85	8.44	5.44	0.00	30.45	8.44	5.44	0.00
27.90	8.44	5.44	0.00	30.50	8.44	5.44	0.00
27.95	8.44	5.44	0.00	30.55	8.44	5.44	0.00
28.00	8.44	5.44	0.00	30.60	8.44	5.44	0.00
28.05	8.44	5.44	0.00	30.65	8.44	5.44	0.00
28.10	8.44	5.44	0.00	30.70	8.44	5.44	0.00
28.15	8.44	5.44	0.00	30.75	8.44	5.44	0.00
28.20	8.44	5.44	0.00	30.80	8.44	5.44	0.00
28.25	8.44	5.44	0.00	30.85	8.44	5.44	0.00
28.30	8.44	5.44	0.00	30.90	8.44	5.44	0.00
28.35	8.44	5.44	0.00	30.95	8.44	5.44	0.00
28.40	8.44	5.44	0.00	31.00	8.44	5.44	0.00
28.45	8.44	5.44	0.00	31.05	8.44	5.44	0.00
28.50	8.44	5.44	0.00	31.10	8.44	5.44	0.00
28.55	8.44	5.44	0.00	31.15	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.44	0.00	33.80	8.44	5.44	0.00
31.25	8.44	5.44	0.00	33.85	8.44	5.44	0.00
31.30	8.44	5.44	0.00	33.90	8.44	5.44	0.00
31.35	8.44	5.44	0.00	33.95	8.44	5.44	0.00
31.40	8.44	5.44	0.00	34.00	8.44	5.44	0.00
31.45	8.44	5.44	0.00	34.05	8.44	5.44	0.00
31.50	8.44	5.44	0.00	34.10	8.44	5.44	0.00
31.55	8.44	5.44	0.00	34.15	8.44	5.44	0.00
31.60	8.44	5.44	0.00	34.20	8.44	5.44	0.00
31.65	8.44	5.44	0.00	34.25	8.44	5.44	0.00
31.70	8.44	5.44	0.00	34.30	8.44	5.44	0.00
31.75	8.44	5.44	0.00	34.35	8.44	5.44	0.00
31.80	8.44	5.44	0.00	34.40	8.44	5.44	0.00
31.85	8.44	5.44	0.00	34.45	8.44	5.44	0.00
31.90	8.44	5.44	0.00	34.50	8.44	5.44	0.00
31.95	8.44	5.44	0.00	34.55	8.44	5.44	0.00
32.00	8.44	5.44	0.00	34.60	8.44	5.44	0.00
32.05	8.44	5.44	0.00	34.65	8.44	5.44	0.00
32.10	8.44	5.44	0.00	34.70	8.44	5.44	0.00
32.15	8.44	5.44	0.00	34.75	8.44	5.44	0.00
32.20	8.44	5.44	0.00	34.80	8.44	5.44	0.00
32.25	8.44	5.44	0.00	34.85	8.44	5.44	0.00
32.30	8.44	5.44	0.00	34.90	8.44	5.44	0.00
32.35	8.44	5.44	0.00	34.95	8.44	5.44	0.00
32.40	8.44	5.44	0.00	35.00	8.44	5.44	0.00
32.45	8.44	5.44	0.00	35.05	8.44	5.44	0.00
32.50	8.44	5.44	0.00	35.10	8.44	5.44	0.00
32.55	8.44	5.44	0.00	35.15	8.44	5.44	0.00
32.60	8.44	5.44	0.00	35.20	8.44	5.44	0.00
32.65	8.44	5.44	0.00	35.25	8.44	5.44	0.00
32.70	8.44	5.44	0.00	35.30	8.44	5.44	0.00
32.75	8.44	5.44	0.00	35.35	8.44	5.44	0.00
32.80	8.44	5.44	0.00	35.40	8.44	5.44	0.00
32.85	8.44	5.44	0.00	35.45	8.44	5.44	0.00
32.90	8.44	5.44	0.00	35.50	8.44	5.44	0.00
32.95	8.44	5.44	0.00	35.55	8.44	5.44	0.00
33.00	8.44	5.44	0.00	35.60	8.44	5.44	0.00
33.05	8.44	5.44	0.00	35.65	8.44	5.44	0.00
33.10	8.44	5.44	0.00	35.70	8.44	5.44	0.00
33.15	8.44	5.44	0.00	35.75	8.44	5.44	0.00
33.20	8.44	5.44	0.00	35.80	8.44	5.44	0.00
33.25	8.44	5.44	0.00	35.85	8.44	5.44	0.00
33.30	8.44	5.44	0.00	35.90	8.44	5.44	0.00
33.35	8.44	5.44	0.00	35.95	8.44	5.44	0.00
33.40	8.44	5.44	0.00	36.00	8.44	5.44	0.00
33.45	8.44	5.44	0.00	36.05	8.44	5.44	0.00
33.50	8.44	5.44	0.00	36.10	8.44	5.44	0.00
33.55	8.44	5.44	0.00	36.15	8.44	5.44	0.00
33.60	8.44	5.44	0.00	36.20	8.44	5.44	0.00
33.65	8.44	5.44	0.00	36.25	8.44	5.44	0.00
33.70	8.44	5.44	0.00	36.30	8.44	5.44	0.00
33.75	8.44	5.44	0.00	36.35	8.44	5.44	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.44	0.00
36.45	8.44	5.44	0.00
36.50	8.44	5.44	0.00
36.55	8.44	5.44	0.00
36.60	8.44	5.44	0.00
36.65	8.44	5.44	0.00
36.70	8.44	5.44	0.00
36.75	8.44	5.44	0.00
36.80	8.44	5.44	0.00
36.85	8.44	5.44	0.00
36.90	8.44	5.44	0.00
36.95	8.44	5.44	0.00
37.00	8.44	5.44	0.00
37.05	8.44	5.44	0.00
37.10	8.44	5.44	0.00
37.15	8.44	5.44	0.00
37.20	8.44	5.44	0.00
37.25	8.44	5.44	0.00
37.30	8.44	5.44	0.00
37.35	8.44	5.44	0.00
37.40	8.44	5.44	0.00
37.45	8.44	5.44	0.00
37.50	8.44	5.44	0.00
37.55	8.44	5.44	0.00
37.60	8.44	5.44	0.00
37.65	8.44	5.44	0.00
37.70	8.44	5.44	0.00
37.75	8.44	5.44	0.00
37.80	8.44	5.44	0.00
37.85	8.44	5.44	0.00
37.90	8.44	5.44	0.00
37.95	8.44	5.44	0.00
38.00	8.44	5.44	0.00
38.05	8.44	5.44	0.00
38.10	8.44	5.44	0.00
38.15	8.44	5.44	0.00
38.20	8.44	5.44	0.00
38.25	8.44	5.44	0.00
38.30	8.44	5.44	0.00
38.35	8.44	5.44	0.00
38.40	8.44	5.44	0.00
38.45	8.44	5.44	0.00
38.50	8.44	5.44	0.00
38.55	8.44	5.44	0.00
38.60	8.44	5.44	0.00
38.65	8.44	5.44	0.00
38.70	8.44	5.44	0.00
38.75	8.44	5.44	0.00
38.80	8.44	5.44	0.00
38.85	8.44	5.44	0.00
38.90	8.44	5.44	0.00
38.95	8.44	5.44	0.00
39.00	8.44	5.44	0.00
39.05	8.44	5.44	0.00
39.10	8.44	5.44	0.00
39.15	8.44	5.44	0.00
39.20	8.44	5.44	0.00
39.25	8.44	5.44	0.00
39.30	8.44	5.44	0.00
39.35	8.44	5.44	0.00
39.40	8.44	5.44	0.00
39.45	8.44	5.44	0.00
39.50	8.44	5.44	0.00
39.55	8.44	5.44	0.00
39.60	8.44	5.44	0.00
39.65	8.44	5.44	0.00
39.70	8.44	5.44	0.00
39.75	8.44	5.44	0.00
39.80	8.44	5.44	0.00
39.85	8.44	5.44	0.00
39.90	8.44	5.44	0.00
39.95	8.44	5.44	0.00
40.00	8.44	5.44	0.00

Summary for Subcatchment X-6l: XDA-6 (offsite impervious)

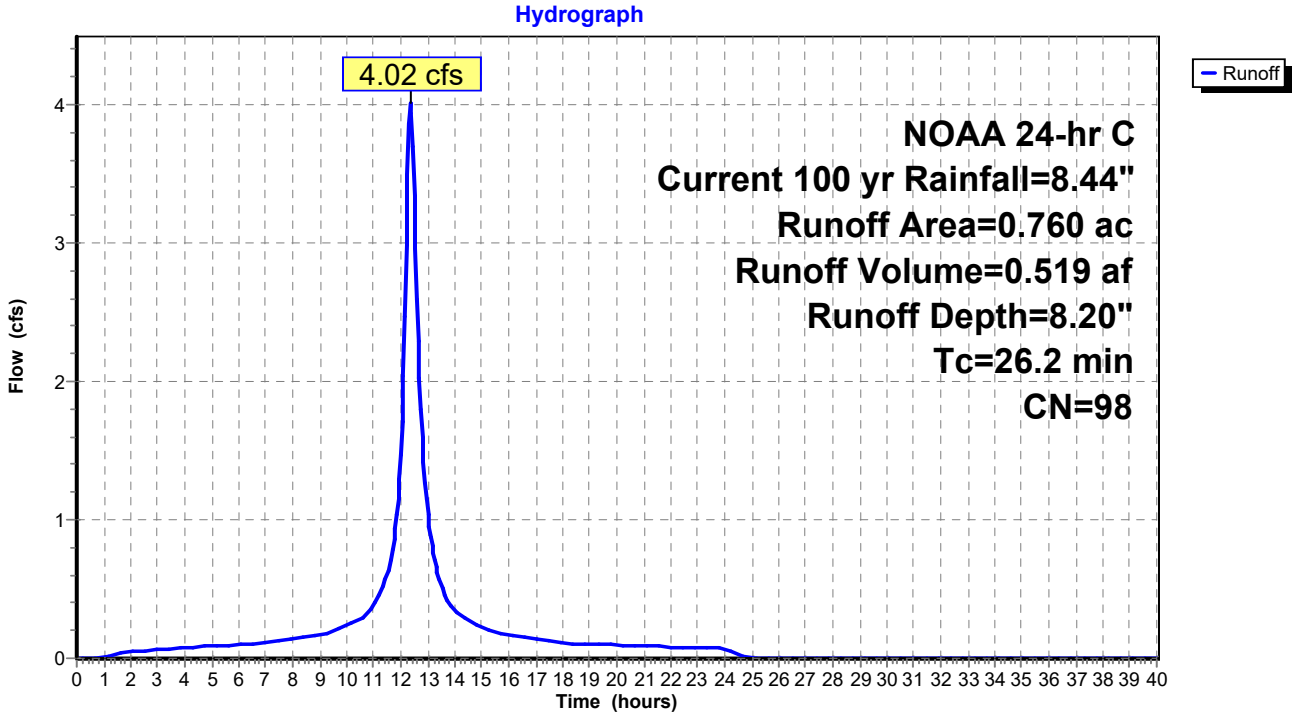
Runoff = 4.02 cfs @ 12.36 hrs, Volume= 0.519 af, Depth= 8.20"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6l: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.06
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.06
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.06
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.06
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.06
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.06
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.07
0.65	0.06	0.00	0.00	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.00	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.00	3.35	0.34	0.18	0.07
0.80	0.07	0.00	0.00	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.00	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.01	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.01	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.01	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.01	3.70	0.38	0.21	0.07
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.07
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.07
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.07
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.07
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.08
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.08
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.08
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.08
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.08
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.08
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.08
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.08
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.08
1.80	0.17	0.05	0.04	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.04	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.04	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.04	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.04	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.04	4.65	0.49	0.31	0.08
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.08
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.08
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.08
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.08
2.30	0.22	0.09	0.05	4.90	0.52	0.34	0.08
2.35	0.23	0.09	0.05	4.95	0.53	0.35	0.09
2.40	0.23	0.09	0.05	5.00	0.54	0.35	0.09
2.45	0.24	0.10	0.05	5.05	0.54	0.36	0.09
2.50	0.24	0.10	0.05	5.10	0.55	0.36	0.09
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.09

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.09	7.80	0.97	0.76	0.14
5.25	0.57	0.38	0.09	7.85	0.98	0.77	0.14
5.30	0.58	0.39	0.09	7.90	0.99	0.78	0.14
5.35	0.58	0.39	0.09	7.95	1.00	0.79	0.14
5.40	0.59	0.40	0.09	8.00	1.01	0.80	0.14
5.45	0.60	0.41	0.09	8.05	1.02	0.81	0.14
5.50	0.60	0.41	0.09	8.10	1.03	0.82	0.14
5.55	0.61	0.42	0.09	8.15	1.04	0.83	0.15
5.60	0.62	0.42	0.09	8.20	1.05	0.84	0.15
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.15
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.15
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.15
5.80	0.64	0.45	0.09	8.40	1.10	0.88	0.15
5.85	0.65	0.45	0.09	8.45	1.11	0.89	0.15
5.90	0.66	0.46	0.09	8.50	1.12	0.91	0.15
5.95	0.66	0.47	0.09	8.55	1.13	0.92	0.16
6.00	0.67	0.47	0.09	8.60	1.14	0.93	0.16
6.05	0.68	0.48	0.10	8.65	1.15	0.94	0.16
6.10	0.68	0.49	0.10	8.70	1.16	0.95	0.16
6.15	0.69	0.49	0.10	8.75	1.17	0.96	0.16
6.20	0.70	0.50	0.10	8.80	1.19	0.97	0.16
6.25	0.70	0.51	0.10	8.85	1.20	0.98	0.16
6.30	0.71	0.51	0.10	8.90	1.21	0.99	0.17
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.17
6.40	0.73	0.53	0.10	9.00	1.23	1.02	0.17
6.45	0.73	0.54	0.10	9.05	1.25	1.03	0.17
6.50	0.74	0.54	0.10	9.10	1.26	1.04	0.17
6.55	0.75	0.55	0.10	9.15	1.27	1.05	0.17
6.60	0.76	0.56	0.10	9.20	1.28	1.07	0.17
6.65	0.77	0.57	0.11	9.25	1.30	1.08	0.18
6.70	0.77	0.57	0.11	9.30	1.31	1.09	0.18
6.75	0.78	0.58	0.11	9.35	1.33	1.11	0.18
6.80	0.79	0.59	0.11	9.40	1.34	1.12	0.19
6.85	0.80	0.60	0.11	9.45	1.35	1.14	0.19
6.90	0.81	0.60	0.11	9.50	1.37	1.15	0.19
6.95	0.81	0.61	0.11	9.55	1.39	1.17	0.20
7.00	0.82	0.62	0.11	9.60	1.40	1.18	0.20
7.05	0.83	0.63	0.12	9.65	1.42	1.20	0.21
7.10	0.84	0.64	0.12	9.70	1.43	1.21	0.21
7.15	0.85	0.65	0.12	9.75	1.45	1.23	0.22
7.20	0.86	0.65	0.12	9.80	1.47	1.25	0.22
7.25	0.87	0.66	0.12	9.85	1.49	1.27	0.23
7.30	0.88	0.67	0.12	9.90	1.50	1.28	0.23
7.35	0.89	0.68	0.12	9.95	1.52	1.30	0.24
7.40	0.89	0.69	0.13	10.00	1.54	1.32	0.24
7.45	0.90	0.70	0.13	10.05	1.56	1.34	0.24
7.50	0.91	0.71	0.13	10.10	1.58	1.36	0.25
7.55	0.92	0.72	0.13	10.15	1.60	1.37	0.25
7.60	0.93	0.73	0.13	10.20	1.62	1.39	0.26
7.65	0.94	0.73	0.13	10.25	1.64	1.41	0.26
7.70	0.95	0.74	0.13	10.30	1.66	1.43	0.27
7.75	0.96	0.75	0.13	10.35	1.68	1.45	0.27

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.28	13.00	6.41	6.18	1.04
10.45	1.72	1.50	0.28	13.05	6.45	6.21	0.95
10.50	1.74	1.52	0.29	13.10	6.48	6.24	0.88
10.55	1.76	1.54	0.29	13.15	6.51	6.27	0.82
10.60	1.79	1.56	0.30	13.20	6.54	6.30	0.76
10.65	1.81	1.59	0.30	13.25	6.57	6.33	0.71
10.70	1.84	1.62	0.31	13.30	6.60	6.36	0.66
10.75	1.87	1.64	0.32	13.35	6.63	6.39	0.62
10.80	1.90	1.67	0.33	13.40	6.65	6.41	0.59
10.85	1.93	1.70	0.34	13.45	6.68	6.44	0.55
10.90	1.96	1.73	0.35	13.50	6.70	6.46	0.52
10.95	1.99	1.77	0.37	13.55	6.72	6.48	0.50
11.00	2.03	1.80	0.39	13.60	6.74	6.50	0.47
11.05	2.06	1.84	0.40	13.65	6.76	6.53	0.45
11.10	2.10	1.87	0.42	13.70	6.78	6.55	0.43
11.15	2.14	1.92	0.44	13.75	6.80	6.57	0.41
11.20	2.19	1.96	0.46	13.80	6.82	6.59	0.39
11.25	2.23	2.01	0.48	13.85	6.84	6.61	0.37
11.30	2.28	2.05	0.50	13.90	6.86	6.62	0.36
11.35	2.33	2.10	0.53	13.95	6.88	6.64	0.35
11.40	2.38	2.16	0.56	14.00	6.90	6.66	0.34
11.45	2.44	2.21	0.59	14.05	6.92	6.68	0.33
11.50	2.49	2.26	0.62	14.10	6.94	6.70	0.32
11.55	2.58	2.35	0.65	14.15	6.95	6.72	0.31
11.60	2.66	2.43	0.69	14.20	6.97	6.73	0.31
11.65	2.75	2.52	0.73	14.25	6.99	6.75	0.30
11.70	2.84	2.61	0.79	14.30	7.01	6.77	0.30
11.75	2.97	2.74	0.86	14.35	7.02	6.78	0.29
11.80	3.09	2.86	0.94	14.40	7.04	6.80	0.28
11.85	3.26	3.03	1.04	14.45	7.05	6.82	0.28
11.90	3.43	3.20	1.15	14.50	7.07	6.83	0.27
11.95	3.73	3.49	1.29	14.55	7.09	6.85	0.27
12.00	4.02	3.79	1.47	14.60	7.10	6.86	0.26
12.05	4.52	4.28	1.71	14.65	7.11	6.88	0.26
12.10	5.01	4.77	2.04	14.70	7.13	6.89	0.25
12.15	5.18	4.94	2.47	14.75	7.14	6.90	0.25
12.20	5.35	5.11	2.99	14.80	7.16	6.92	0.24
12.25	5.47	5.24	3.49	14.85	7.17	6.93	0.24
12.30	5.60	5.36	3.87	14.90	7.18	6.94	0.23
12.35	5.69	5.45	**4.02**	14.95	7.19	6.96	0.23
12.40	5.78	5.54	3.94	15.00	7.21	6.97	0.23
12.45	5.86	5.62	3.70	15.05	7.22	6.98	0.22
12.50	5.95	5.71	3.35	15.10	7.23	6.99	0.22
12.55	6.00	5.76	2.96	15.15	7.24	7.00	0.21
12.60	6.06	5.82	2.60	15.20	7.25	7.02	0.21
12.65	6.11	5.87	2.30	15.25	7.27	7.03	0.20
12.70	6.16	5.92	2.03	15.30	7.28	7.04	0.20
12.75	6.21	5.97	1.80	15.35	7.29	7.05	0.19
12.80	6.25	6.02	1.60	15.40	7.30	7.06	0.19
12.85	6.30	6.06	1.42	15.45	7.31	7.07	0.19
12.90	6.34	6.10	1.27	15.50	7.32	7.08	0.18
12.95	6.38	6.14	1.15	15.55	7.33	7.09	0.18

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.18	18.20	7.80	7.56	0.11
15.65	7.36	7.12	0.18	18.25	7.80	7.57	0.11
15.70	7.37	7.13	0.18	18.30	7.81	7.57	0.11
15.75	7.38	7.14	0.17	18.35	7.82	7.58	0.11
15.80	7.39	7.15	0.17	18.40	7.82	7.59	0.11
15.85	7.40	7.16	0.17	18.45	7.83	7.59	0.11
15.90	7.41	7.17	0.17	18.50	7.84	7.60	0.10
15.95	7.42	7.18	0.17	18.55	7.84	7.61	0.10
16.00	7.43	7.19	0.17	18.60	7.85	7.61	0.10
16.05	7.44	7.20	0.17	18.65	7.86	7.62	0.10
16.10	7.45	7.21	0.16	18.70	7.86	7.62	0.10
16.15	7.46	7.22	0.16	18.75	7.87	7.63	0.10
16.20	7.47	7.23	0.16	18.80	7.88	7.64	0.10
16.25	7.48	7.24	0.16	18.85	7.88	7.64	0.10
16.30	7.49	7.25	0.16	18.90	7.89	7.65	0.10
16.35	7.50	7.26	0.16	18.95	7.90	7.66	0.10
16.40	7.51	7.27	0.16	19.00	7.90	7.66	0.10
16.45	7.52	7.28	0.16	19.05	7.91	7.67	0.10
16.50	7.53	7.29	0.15	19.10	7.92	7.68	0.10
16.55	7.54	7.30	0.15	19.15	7.92	7.68	0.10
16.60	7.55	7.31	0.15	19.20	7.93	7.69	0.10
16.65	7.55	7.32	0.15	19.25	7.93	7.70	0.10
16.70	7.56	7.32	0.15	19.30	7.94	7.70	0.10
16.75	7.57	7.33	0.15	19.35	7.95	7.71	0.10
16.80	7.58	7.34	0.15	19.40	7.95	7.71	0.10
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.10
16.90	7.60	7.36	0.14	19.50	7.97	7.73	0.10
16.95	7.61	7.37	0.14	19.55	7.97	7.73	0.10
17.00	7.62	7.38	0.14	19.60	7.98	7.74	0.10
17.05	7.63	7.39	0.14	19.65	7.98	7.74	0.10
17.10	7.63	7.39	0.14	19.70	7.99	7.75	0.10
17.15	7.64	7.40	0.14	19.75	8.00	7.76	0.10
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.10
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.10
17.30	7.67	7.43	0.13	19.90	8.01	7.78	0.09
17.35	7.67	7.43	0.13	19.95	8.02	7.78	0.09
17.40	7.68	7.44	0.13	20.00	8.03	7.79	0.09
17.45	7.69	7.45	0.13	20.05	8.03	7.79	0.09
17.50	7.70	7.46	0.13	20.10	8.04	7.80	0.09
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.09
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.09
17.65	7.72	7.48	0.12	20.25	8.06	7.82	0.09
17.70	7.73	7.49	0.12	20.30	8.06	7.82	0.09
17.75	7.74	7.50	0.12	20.35	8.07	7.83	0.09
17.80	7.74	7.50	0.12	20.40	8.07	7.83	0.09
17.85	7.75	7.51	0.12	20.45	8.08	7.84	0.09
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.09
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.09
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.09
18.05	7.78	7.54	0.11	20.65	8.10	7.86	0.09
18.10	7.78	7.55	0.11	20.70	8.11	7.87	0.09
18.15	7.79	7.55	0.11	20.75	8.11	7.87	0.09

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.09	23.40	8.38	8.14	0.07
20.85	8.13	7.89	0.09	23.45	8.39	8.15	0.07
20.90	8.13	7.89	0.09	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.09	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.09	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.09	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.09	23.75	8.42	8.18	0.07
21.20	8.16	7.92	0.09	23.80	8.42	8.18	0.07
21.25	8.17	7.93	0.09	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.09	23.90	8.43	8.19	0.07
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.07
21.45	8.19	7.95	0.08	24.05	8.44	8.20	0.07
21.50	8.20	7.96	0.08	24.10	8.44	8.20	0.07
21.55	8.20	7.96	0.08	24.15	8.44	8.20	0.07
21.60	8.21	7.97	0.08	24.20	8.44	8.20	0.06
21.65	8.21	7.97	0.08	24.25	8.44	8.20	0.06
21.70	8.22	7.98	0.08	24.30	8.44	8.20	0.05
21.75	8.22	7.98	0.08	24.35	8.44	8.20	0.04
21.80	8.23	7.99	0.08	24.40	8.44	8.20	0.03
21.85	8.23	7.99	0.08	24.45	8.44	8.20	0.02
21.90	8.24	8.00	0.08	24.50	8.44	8.20	0.02
21.95	8.24	8.00	0.08	24.55	8.44	8.20	0.01
22.00	8.25	8.01	0.08	24.60	8.44	8.20	0.01
22.05	8.25	8.01	0.08	24.65	8.44	8.20	0.01
22.10	8.26	8.02	0.08	24.70	8.44	8.20	0.01
22.15	8.26	8.02	0.08	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.08	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.08	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.08	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.08	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.08	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.07	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.07	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.07	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.07	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

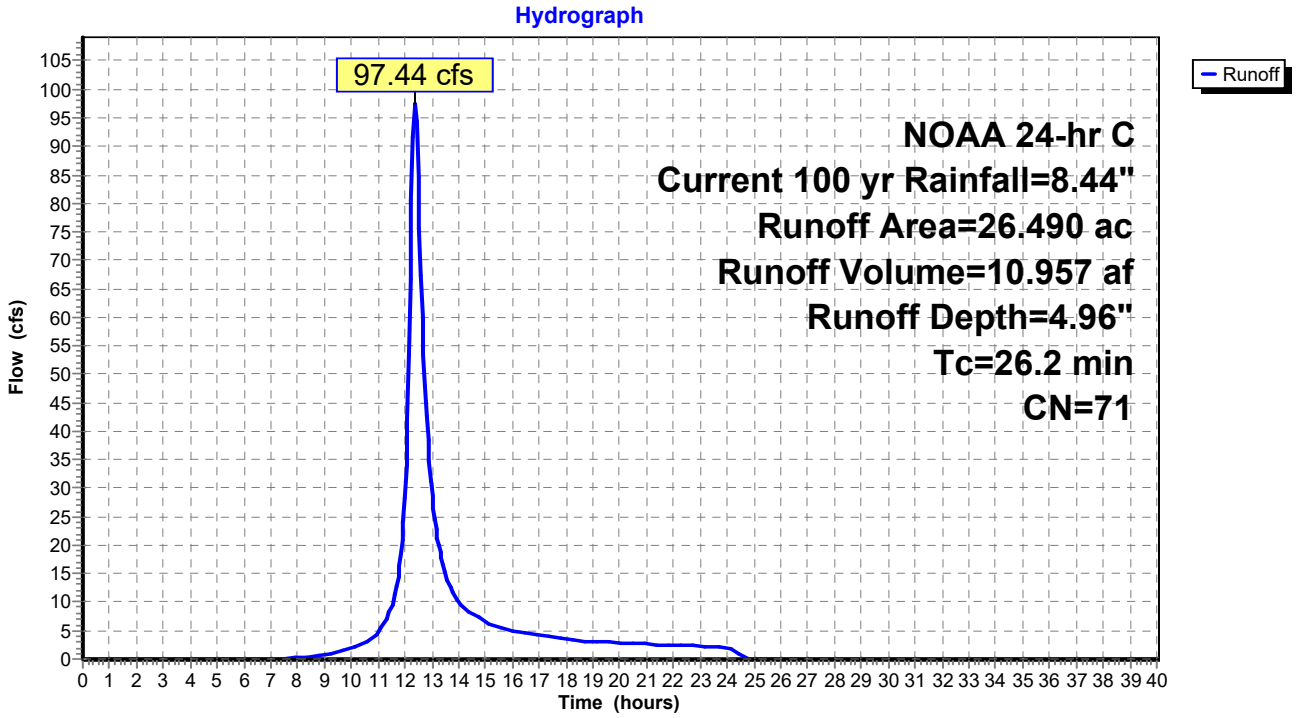
Runoff = 97.44 cfs @ 12.37 hrs, Volume= 10.957 af, Depth= 4.96"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.01	0.18
5.25	0.57	0.00	0.00	7.85	0.98	0.01	0.21
5.30	0.58	0.00	0.00	7.90	0.99	0.01	0.23
5.35	0.58	0.00	0.00	7.95	1.00	0.01	0.25
5.40	0.59	0.00	0.00	8.00	1.01	0.01	0.28
5.45	0.60	0.00	0.00	8.05	1.02	0.01	0.30
5.50	0.60	0.00	0.00	8.10	1.03	0.01	0.33
5.55	0.61	0.00	0.00	8.15	1.04	0.01	0.35
5.60	0.62	0.00	0.00	8.20	1.05	0.01	0.38
5.65	0.62	0.00	0.00	8.25	1.06	0.01	0.40
5.70	0.63	0.00	0.00	8.30	1.07	0.02	0.43
5.75	0.64	0.00	0.00	8.35	1.08	0.02	0.46
5.80	0.64	0.00	0.00	8.40	1.10	0.02	0.49
5.85	0.65	0.00	0.00	8.45	1.11	0.02	0.51
5.90	0.66	0.00	0.00	8.50	1.12	0.02	0.54
5.95	0.66	0.00	0.00	8.55	1.13	0.02	0.57
6.00	0.67	0.00	0.00	8.60	1.14	0.02	0.60
6.05	0.68	0.00	0.00	8.65	1.15	0.03	0.63
6.10	0.68	0.00	0.00	8.70	1.16	0.03	0.66
6.15	0.69	0.00	0.00	8.75	1.17	0.03	0.69
6.20	0.70	0.00	0.00	8.80	1.19	0.03	0.72
6.25	0.70	0.00	0.00	8.85	1.20	0.03	0.75
6.30	0.71	0.00	0.00	8.90	1.21	0.03	0.78
6.35	0.72	0.00	0.00	8.95	1.22	0.04	0.82
6.40	0.73	0.00	0.00	9.00	1.23	0.04	0.85
6.45	0.73	0.00	0.00	9.05	1.25	0.04	0.88
6.50	0.74	0.00	0.00	9.10	1.26	0.04	0.91
6.55	0.75	0.00	0.00	9.15	1.27	0.05	0.95
6.60	0.76	0.00	0.00	9.20	1.28	0.05	0.99
6.65	0.77	0.00	0.00	9.25	1.30	0.05	1.03
6.70	0.77	0.00	0.00	9.30	1.31	0.05	1.07
6.75	0.78	0.00	0.00	9.35	1.33	0.06	1.12
6.80	0.79	0.00	0.00	9.40	1.34	0.06	1.17
6.85	0.80	0.00	0.00	9.45	1.35	0.06	1.23
6.90	0.81	0.00	0.00	9.50	1.37	0.07	1.28
6.95	0.81	0.00	0.00	9.55	1.39	0.07	1.35
7.00	0.82	0.00	0.00	9.60	1.40	0.07	1.41
7.05	0.83	0.00	0.00	9.65	1.42	0.08	1.48
7.10	0.84	0.00	0.00	9.70	1.43	0.08	1.55
7.15	0.85	0.00	0.00	9.75	1.45	0.09	1.62
7.20	0.86	0.00	0.00	9.80	1.47	0.09	1.69
7.25	0.87	0.00	0.01	9.85	1.49	0.09	1.77
7.30	0.88	0.00	0.02	9.90	1.50	0.10	1.84
7.35	0.89	0.00	0.02	9.95	1.52	0.10	1.92
7.40	0.89	0.00	0.04	10.00	1.54	0.11	2.01
7.45	0.90	0.00	0.05	10.05	1.56	0.11	2.09
7.50	0.91	0.00	0.07	10.10	1.58	0.12	2.18
7.55	0.92	0.00	0.08	10.15	1.60	0.12	2.27
7.60	0.93	0.00	0.10	10.20	1.62	0.13	2.36
7.65	0.94	0.00	0.12	10.25	1.64	0.14	2.45
7.70	0.95	0.00	0.14	10.30	1.66	0.14	2.55
7.75	0.96	0.00	0.16	10.35	1.68	0.15	2.65

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.16	2.75	13.00	6.41	3.24	28.72
10.45	1.72	0.16	2.85	13.05	6.45	3.26	26.47
10.50	1.74	0.17	2.96	13.10	6.48	3.29	24.55
10.55	1.76	0.18	3.06	13.15	6.51	3.32	22.87
10.60	1.79	0.19	3.18	13.20	6.54	3.34	21.36
10.65	1.81	0.20	3.30	13.25	6.57	3.37	20.01
10.70	1.84	0.20	3.44	13.30	6.60	3.39	18.79
10.75	1.87	0.22	3.60	13.35	6.63	3.41	17.70
10.80	1.90	0.23	3.78	13.40	6.65	3.43	16.70
10.85	1.93	0.24	3.99	13.45	6.68	3.45	15.80
10.90	1.96	0.25	4.23	13.50	6.70	3.47	14.98
10.95	1.99	0.26	4.49	13.55	6.72	3.49	14.25
11.00	2.03	0.28	4.76	13.60	6.74	3.51	13.58
11.05	2.06	0.29	5.06	13.65	6.76	3.53	12.96
11.10	2.10	0.31	5.38	13.70	6.78	3.54	12.37
11.15	2.14	0.33	5.72	13.75	6.80	3.56	11.82
11.20	2.19	0.34	6.10	13.80	6.82	3.58	11.31
11.25	2.23	0.36	6.52	13.85	6.84	3.59	10.86
11.30	2.28	0.39	6.99	13.90	6.86	3.61	10.46
11.35	2.33	0.41	7.50	13.95	6.88	3.62	10.12
11.40	2.38	0.43	8.06	14.00	6.90	3.64	9.83
11.45	2.44	0.46	8.67	14.05	6.92	3.66	9.58
11.50	2.49	0.49	9.31	14.10	6.94	3.67	9.36
11.55	2.58	0.53	10.00	14.15	6.95	3.69	9.16
11.60	2.66	0.58	10.77	14.20	6.97	3.70	8.97
11.65	2.75	0.62	11.72	14.25	6.99	3.71	8.80
11.70	2.84	0.67	12.91	14.30	7.01	3.73	8.64
11.75	2.97	0.74	14.40	14.35	7.02	3.74	8.48
11.80	3.09	0.81	16.19	14.40	7.04	3.76	8.33
11.85	3.26	0.92	18.31	14.45	7.05	3.77	8.18
11.90	3.43	1.02	20.86	14.50	7.07	3.78	8.04
11.95	3.73	1.21	24.09	14.55	7.09	3.80	7.89
12.00	4.02	1.41	28.33	14.60	7.10	3.81	7.75
12.05	4.52	1.76	34.04	14.65	7.11	3.82	7.61
12.10	5.01	2.12	42.14	14.70	7.13	3.83	7.47
12.15	5.18	2.25	53.19	14.75	7.14	3.84	7.33
12.20	5.35	2.38	66.65	14.80	7.16	3.86	7.19
12.25	5.47	2.48	80.44	14.85	7.17	3.87	7.05
12.30	5.60	2.58	91.46	14.90	7.18	3.88	6.91
12.35	5.69	2.65	**96.86**	14.95	7.19	3.89	6.78
12.40	5.78	2.72	96.59	15.00	7.21	3.90	6.64
12.45	5.86	2.79	92.06	15.05	7.22	3.91	6.50
12.50	5.95	2.86	84.55	15.10	7.23	3.92	6.36
12.55	6.00	2.90	75.73	15.15	7.24	3.93	6.22
12.60	6.06	2.94	67.21	15.20	7.25	3.94	6.08
12.65	6.11	2.99	59.95	15.25	7.27	3.95	5.95
12.70	6.16	3.03	53.61	15.30	7.28	3.96	5.82
12.75	6.21	3.07	47.91	15.35	7.29	3.97	5.71
12.80	6.25	3.10	42.83	15.40	7.30	3.98	5.61
12.85	6.30	3.14	38.44	15.45	7.31	3.99	5.52
12.90	6.34	3.17	34.65	15.50	7.32	4.00	5.44
12.95	6.38	3.20	31.43	15.55	7.33	4.01	5.38

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.02	5.32	18.20	7.80	4.40	3.33
15.65	7.36	4.02	5.27	18.25	7.80	4.41	3.29
15.70	7.37	4.03	5.22	18.30	7.81	4.42	3.26
15.75	7.38	4.04	5.18	18.35	7.82	4.42	3.23
15.80	7.39	4.05	5.13	18.40	7.82	4.43	3.20
15.85	7.40	4.06	5.09	18.45	7.83	4.43	3.18
15.90	7.41	4.07	5.05	18.50	7.84	4.44	3.16
15.95	7.42	4.08	5.01	18.55	7.84	4.44	3.14
16.00	7.43	4.09	4.97	18.60	7.85	4.45	3.13
16.05	7.44	4.10	4.93	18.65	7.86	4.46	3.11
16.10	7.45	4.10	4.90	18.70	7.86	4.46	3.10
16.15	7.46	4.11	4.86	18.75	7.87	4.47	3.09
16.20	7.47	4.12	4.82	18.80	7.88	4.47	3.08
16.25	7.48	4.13	4.78	18.85	7.88	4.48	3.07
16.30	7.49	4.14	4.75	18.90	7.89	4.48	3.05
16.35	7.50	4.15	4.71	18.95	7.90	4.49	3.05
16.40	7.51	4.15	4.68	19.00	7.90	4.50	3.04
16.45	7.52	4.16	4.64	19.05	7.91	4.50	3.03
16.50	7.53	4.17	4.60	19.10	7.92	4.51	3.02
16.55	7.54	4.18	4.56	19.15	7.92	4.51	3.01
16.60	7.55	4.19	4.53	19.20	7.93	4.52	3.00
16.65	7.55	4.19	4.49	19.25	7.93	4.52	2.99
16.70	7.56	4.20	4.45	19.30	7.94	4.53	2.98
16.75	7.57	4.21	4.41	19.35	7.95	4.53	2.97
16.80	7.58	4.22	4.38	19.40	7.95	4.54	2.96
16.85	7.59	4.23	4.34	19.45	7.96	4.54	2.95
16.90	7.60	4.23	4.30	19.50	7.97	4.55	2.94
16.95	7.61	4.24	4.27	19.55	7.97	4.56	2.93
17.00	7.62	4.25	4.23	19.60	7.98	4.56	2.92
17.05	7.63	4.26	4.19	19.65	7.98	4.57	2.91
17.10	7.63	4.26	4.15	19.70	7.99	4.57	2.90
17.15	7.64	4.27	4.12	19.75	8.00	4.58	2.89
17.20	7.65	4.28	4.08	19.80	8.00	4.58	2.89
17.25	7.66	4.28	4.05	19.85	8.01	4.59	2.88
17.30	7.67	4.29	4.01	19.90	8.01	4.59	2.87
17.35	7.67	4.30	3.97	19.95	8.02	4.60	2.86
17.40	7.68	4.30	3.93	20.00	8.03	4.60	2.85
17.45	7.69	4.31	3.89	20.05	8.03	4.61	2.84
17.50	7.70	4.32	3.86	20.10	8.04	4.61	2.83
17.55	7.71	4.32	3.82	20.15	8.04	4.62	2.82
17.60	7.71	4.33	3.78	20.20	8.05	4.62	2.81
17.65	7.72	4.34	3.74	20.25	8.06	4.63	2.80
17.70	7.73	4.34	3.70	20.30	8.06	4.63	2.79
17.75	7.74	4.35	3.67	20.35	8.07	4.64	2.78
17.80	7.74	4.36	3.63	20.40	8.07	4.64	2.78
17.85	7.75	4.36	3.59	20.45	8.08	4.65	2.77
17.90	7.76	4.37	3.56	20.50	8.09	4.65	2.76
17.95	7.76	4.38	3.52	20.55	8.09	4.66	2.75
18.00	7.77	4.38	3.48	20.60	8.10	4.66	2.74
18.05	7.78	4.39	3.44	20.65	8.10	4.67	2.73
18.10	7.78	4.39	3.40	20.70	8.11	4.67	2.72
18.15	7.79	4.40	3.37	20.75	8.11	4.68	2.71

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.68	2.70	23.40	8.38	4.92	2.21
20.85	8.13	4.69	2.69	23.45	8.39	4.92	2.20
20.90	8.13	4.69	2.68	23.50	8.39	4.92	2.19
20.95	8.14	4.70	2.67	23.55	8.40	4.93	2.18
21.00	8.14	4.70	2.66	23.60	8.40	4.93	2.17
21.05	8.15	4.71	2.65	23.65	8.41	4.93	2.16
21.10	8.15	4.71	2.64	23.70	8.41	4.94	2.15
21.15	8.16	4.72	2.63	23.75	8.42	4.94	2.14
21.20	8.16	4.72	2.62	23.80	8.42	4.95	2.13
21.25	8.17	4.73	2.61	23.85	8.42	4.95	2.12
21.30	8.18	4.73	2.61	23.90	8.43	4.95	2.11
21.35	8.18	4.74	2.60	23.95	8.43	4.96	2.11
21.40	8.19	4.74	2.59	24.00	**8.44**	**4.96**	2.10
21.45	8.19	4.75	2.58	24.05	8.44	4.96	2.10
21.50	8.20	4.75	2.57	24.10	8.44	4.96	2.10
21.55	8.20	4.76	2.56	24.15	8.44	4.96	2.06
21.60	8.21	4.76	2.55	24.20	8.44	4.96	1.95
21.65	8.21	4.76	2.54	24.25	8.44	4.96	1.76
21.70	8.22	4.77	2.53	24.30	8.44	4.96	1.51
21.75	8.22	4.77	2.52	24.35	8.44	4.96	1.24
21.80	8.23	4.78	2.51	24.40	8.44	4.96	0.98
21.85	8.23	4.78	2.50	24.45	8.44	4.96	0.74
21.90	8.24	4.79	2.49	24.50	8.44	4.96	0.55
21.95	8.24	4.79	2.48	24.55	8.44	4.96	0.42
22.00	8.25	4.80	2.48	24.60	8.44	4.96	0.32
22.05	8.25	4.80	2.47	24.65	8.44	4.96	0.24
22.10	8.26	4.81	2.46	24.70	8.44	4.96	0.18
22.15	8.26	4.81	2.45	24.75	8.44	4.96	0.13
22.20	8.27	4.81	2.44	24.80	8.44	4.96	0.10
22.25	8.27	4.82	2.43	24.85	8.44	4.96	0.08
22.30	8.28	4.82	2.42	24.90	8.44	4.96	0.06
22.35	8.28	4.83	2.41	24.95	8.44	4.96	0.04
22.40	8.29	4.83	2.40	25.00	8.44	4.96	0.03
22.45	8.29	4.84	2.39	25.05	8.44	4.96	0.02
22.50	8.30	4.84	2.38	25.10	8.44	4.96	0.02
22.55	8.30	4.84	2.37	25.15	8.44	4.96	0.01
22.60	8.31	4.85	2.36	25.20	8.44	4.96	0.01
22.65	8.31	4.85	2.35	25.25	8.44	4.96	0.01
22.70	8.32	4.86	2.34	25.30	8.44	4.96	0.00
22.75	8.32	4.86	2.33	25.35	8.44	4.96	0.00
22.80	8.33	4.87	2.32	25.40	8.44	4.96	0.00
22.85	8.33	4.87	2.32	25.45	8.44	4.96	0.00
22.90	8.34	4.87	2.31	25.50	8.44	4.96	0.00
22.95	8.34	4.88	2.30	25.55	8.44	4.96	0.00
23.00	8.35	4.88	2.28	25.60	8.44	4.96	0.00
23.05	8.35	4.89	2.27	25.65	8.44	4.96	0.00
23.10	8.36	4.89	2.27	25.70	8.44	4.96	0.00
23.15	8.36	4.89	2.26	25.75	8.44	4.96	0.00
23.20	8.37	4.90	2.25	25.80	8.44	4.96	0.00
23.25	8.37	4.90	2.24	25.85	8.44	4.96	0.00
23.30	8.38	4.91	2.23	25.90	8.44	4.96	0.00
23.35	8.38	4.91	2.22	25.95	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.96	0.00	28.60	8.44	4.96	0.00
26.05	8.44	4.96	0.00	28.65	8.44	4.96	0.00
26.10	8.44	4.96	0.00	28.70	8.44	4.96	0.00
26.15	8.44	4.96	0.00	28.75	8.44	4.96	0.00
26.20	8.44	4.96	0.00	28.80	8.44	4.96	0.00
26.25	8.44	4.96	0.00	28.85	8.44	4.96	0.00
26.30	8.44	4.96	0.00	28.90	8.44	4.96	0.00
26.35	8.44	4.96	0.00	28.95	8.44	4.96	0.00
26.40	8.44	4.96	0.00	29.00	8.44	4.96	0.00
26.45	8.44	4.96	0.00	29.05	8.44	4.96	0.00
26.50	8.44	4.96	0.00	29.10	8.44	4.96	0.00
26.55	8.44	4.96	0.00	29.15	8.44	4.96	0.00
26.60	8.44	4.96	0.00	29.20	8.44	4.96	0.00
26.65	8.44	4.96	0.00	29.25	8.44	4.96	0.00
26.70	8.44	4.96	0.00	29.30	8.44	4.96	0.00
26.75	8.44	4.96	0.00	29.35	8.44	4.96	0.00
26.80	8.44	4.96	0.00	29.40	8.44	4.96	0.00
26.85	8.44	4.96	0.00	29.45	8.44	4.96	0.00
26.90	8.44	4.96	0.00	29.50	8.44	4.96	0.00
26.95	8.44	4.96	0.00	29.55	8.44	4.96	0.00
27.00	8.44	4.96	0.00	29.60	8.44	4.96	0.00
27.05	8.44	4.96	0.00	29.65	8.44	4.96	0.00
27.10	8.44	4.96	0.00	29.70	8.44	4.96	0.00
27.15	8.44	4.96	0.00	29.75	8.44	4.96	0.00
27.20	8.44	4.96	0.00	29.80	8.44	4.96	0.00
27.25	8.44	4.96	0.00	29.85	8.44	4.96	0.00
27.30	8.44	4.96	0.00	29.90	8.44	4.96	0.00
27.35	8.44	4.96	0.00	29.95	8.44	4.96	0.00
27.40	8.44	4.96	0.00	30.00	8.44	4.96	0.00
27.45	8.44	4.96	0.00	30.05	8.44	4.96	0.00
27.50	8.44	4.96	0.00	30.10	8.44	4.96	0.00
27.55	8.44	4.96	0.00	30.15	8.44	4.96	0.00
27.60	8.44	4.96	0.00	30.20	8.44	4.96	0.00
27.65	8.44	4.96	0.00	30.25	8.44	4.96	0.00
27.70	8.44	4.96	0.00	30.30	8.44	4.96	0.00
27.75	8.44	4.96	0.00	30.35	8.44	4.96	0.00
27.80	8.44	4.96	0.00	30.40	8.44	4.96	0.00
27.85	8.44	4.96	0.00	30.45	8.44	4.96	0.00
27.90	8.44	4.96	0.00	30.50	8.44	4.96	0.00
27.95	8.44	4.96	0.00	30.55	8.44	4.96	0.00
28.00	8.44	4.96	0.00	30.60	8.44	4.96	0.00
28.05	8.44	4.96	0.00	30.65	8.44	4.96	0.00
28.10	8.44	4.96	0.00	30.70	8.44	4.96	0.00
28.15	8.44	4.96	0.00	30.75	8.44	4.96	0.00
28.20	8.44	4.96	0.00	30.80	8.44	4.96	0.00
28.25	8.44	4.96	0.00	30.85	8.44	4.96	0.00
28.30	8.44	4.96	0.00	30.90	8.44	4.96	0.00
28.35	8.44	4.96	0.00	30.95	8.44	4.96	0.00
28.40	8.44	4.96	0.00	31.00	8.44	4.96	0.00
28.45	8.44	4.96	0.00	31.05	8.44	4.96	0.00
28.50	8.44	4.96	0.00	31.10	8.44	4.96	0.00
28.55	8.44	4.96	0.00	31.15	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.96	0.00	33.80	8.44	4.96	0.00
31.25	8.44	4.96	0.00	33.85	8.44	4.96	0.00
31.30	8.44	4.96	0.00	33.90	8.44	4.96	0.00
31.35	8.44	4.96	0.00	33.95	8.44	4.96	0.00
31.40	8.44	4.96	0.00	34.00	8.44	4.96	0.00
31.45	8.44	4.96	0.00	34.05	8.44	4.96	0.00
31.50	8.44	4.96	0.00	34.10	8.44	4.96	0.00
31.55	8.44	4.96	0.00	34.15	8.44	4.96	0.00
31.60	8.44	4.96	0.00	34.20	8.44	4.96	0.00
31.65	8.44	4.96	0.00	34.25	8.44	4.96	0.00
31.70	8.44	4.96	0.00	34.30	8.44	4.96	0.00
31.75	8.44	4.96	0.00	34.35	8.44	4.96	0.00
31.80	8.44	4.96	0.00	34.40	8.44	4.96	0.00
31.85	8.44	4.96	0.00	34.45	8.44	4.96	0.00
31.90	8.44	4.96	0.00	34.50	8.44	4.96	0.00
31.95	8.44	4.96	0.00	34.55	8.44	4.96	0.00
32.00	8.44	4.96	0.00	34.60	8.44	4.96	0.00
32.05	8.44	4.96	0.00	34.65	8.44	4.96	0.00
32.10	8.44	4.96	0.00	34.70	8.44	4.96	0.00
32.15	8.44	4.96	0.00	34.75	8.44	4.96	0.00
32.20	8.44	4.96	0.00	34.80	8.44	4.96	0.00
32.25	8.44	4.96	0.00	34.85	8.44	4.96	0.00
32.30	8.44	4.96	0.00	34.90	8.44	4.96	0.00
32.35	8.44	4.96	0.00	34.95	8.44	4.96	0.00
32.40	8.44	4.96	0.00	35.00	8.44	4.96	0.00
32.45	8.44	4.96	0.00	35.05	8.44	4.96	0.00
32.50	8.44	4.96	0.00	35.10	8.44	4.96	0.00
32.55	8.44	4.96	0.00	35.15	8.44	4.96	0.00
32.60	8.44	4.96	0.00	35.20	8.44	4.96	0.00
32.65	8.44	4.96	0.00	35.25	8.44	4.96	0.00
32.70	8.44	4.96	0.00	35.30	8.44	4.96	0.00
32.75	8.44	4.96	0.00	35.35	8.44	4.96	0.00
32.80	8.44	4.96	0.00	35.40	8.44	4.96	0.00
32.85	8.44	4.96	0.00	35.45	8.44	4.96	0.00
32.90	8.44	4.96	0.00	35.50	8.44	4.96	0.00
32.95	8.44	4.96	0.00	35.55	8.44	4.96	0.00
33.00	8.44	4.96	0.00	35.60	8.44	4.96	0.00
33.05	8.44	4.96	0.00	35.65	8.44	4.96	0.00
33.10	8.44	4.96	0.00	35.70	8.44	4.96	0.00
33.15	8.44	4.96	0.00	35.75	8.44	4.96	0.00
33.20	8.44	4.96	0.00	35.80	8.44	4.96	0.00
33.25	8.44	4.96	0.00	35.85	8.44	4.96	0.00
33.30	8.44	4.96	0.00	35.90	8.44	4.96	0.00
33.35	8.44	4.96	0.00	35.95	8.44	4.96	0.00
33.40	8.44	4.96	0.00	36.00	8.44	4.96	0.00
33.45	8.44	4.96	0.00	36.05	8.44	4.96	0.00
33.50	8.44	4.96	0.00	36.10	8.44	4.96	0.00
33.55	8.44	4.96	0.00	36.15	8.44	4.96	0.00
33.60	8.44	4.96	0.00	36.20	8.44	4.96	0.00
33.65	8.44	4.96	0.00	36.25	8.44	4.96	0.00
33.70	8.44	4.96	0.00	36.30	8.44	4.96	0.00
33.75	8.44	4.96	0.00	36.35	8.44	4.96	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.96	0.00
36.45	8.44	4.96	0.00
36.50	8.44	4.96	0.00
36.55	8.44	4.96	0.00
36.60	8.44	4.96	0.00
36.65	8.44	4.96	0.00
36.70	8.44	4.96	0.00
36.75	8.44	4.96	0.00
36.80	8.44	4.96	0.00
36.85	8.44	4.96	0.00
36.90	8.44	4.96	0.00
36.95	8.44	4.96	0.00
37.00	8.44	4.96	0.00
37.05	8.44	4.96	0.00
37.10	8.44	4.96	0.00
37.15	8.44	4.96	0.00
37.20	8.44	4.96	0.00
37.25	8.44	4.96	0.00
37.30	8.44	4.96	0.00
37.35	8.44	4.96	0.00
37.40	8.44	4.96	0.00
37.45	8.44	4.96	0.00
37.50	8.44	4.96	0.00
37.55	8.44	4.96	0.00
37.60	8.44	4.96	0.00
37.65	8.44	4.96	0.00
37.70	8.44	4.96	0.00
37.75	8.44	4.96	0.00
37.80	8.44	4.96	0.00
37.85	8.44	4.96	0.00
37.90	8.44	4.96	0.00
37.95	8.44	4.96	0.00
38.00	8.44	4.96	0.00
38.05	8.44	4.96	0.00
38.10	8.44	4.96	0.00
38.15	8.44	4.96	0.00
38.20	8.44	4.96	0.00
38.25	8.44	4.96	0.00
38.30	8.44	4.96	0.00
38.35	8.44	4.96	0.00
38.40	8.44	4.96	0.00
38.45	8.44	4.96	0.00
38.50	8.44	4.96	0.00
38.55	8.44	4.96	0.00
38.60	8.44	4.96	0.00
38.65	8.44	4.96	0.00
38.70	8.44	4.96	0.00
38.75	8.44	4.96	0.00
38.80	8.44	4.96	0.00
38.85	8.44	4.96	0.00
38.90	8.44	4.96	0.00
38.95	8.44	4.96	0.00
39.00	8.44	4.96	0.00
39.05	8.44	4.96	0.00
39.10	8.44	4.96	0.00
39.15	8.44	4.96	0.00
39.20	8.44	4.96	0.00
39.25	8.44	4.96	0.00
39.30	8.44	4.96	0.00
39.35	8.44	4.96	0.00
39.40	8.44	4.96	0.00
39.45	8.44	4.96	0.00
39.50	8.44	4.96	0.00
39.55	8.44	4.96	0.00
39.60	8.44	4.96	0.00
39.65	8.44	4.96	0.00
39.70	8.44	4.96	0.00
39.75	8.44	4.96	0.00
39.80	8.44	4.96	0.00
39.85	8.44	4.96	0.00
39.90	8.44	4.96	0.00
39.95	8.44	4.96	0.00
40.00	8.44	4.96	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

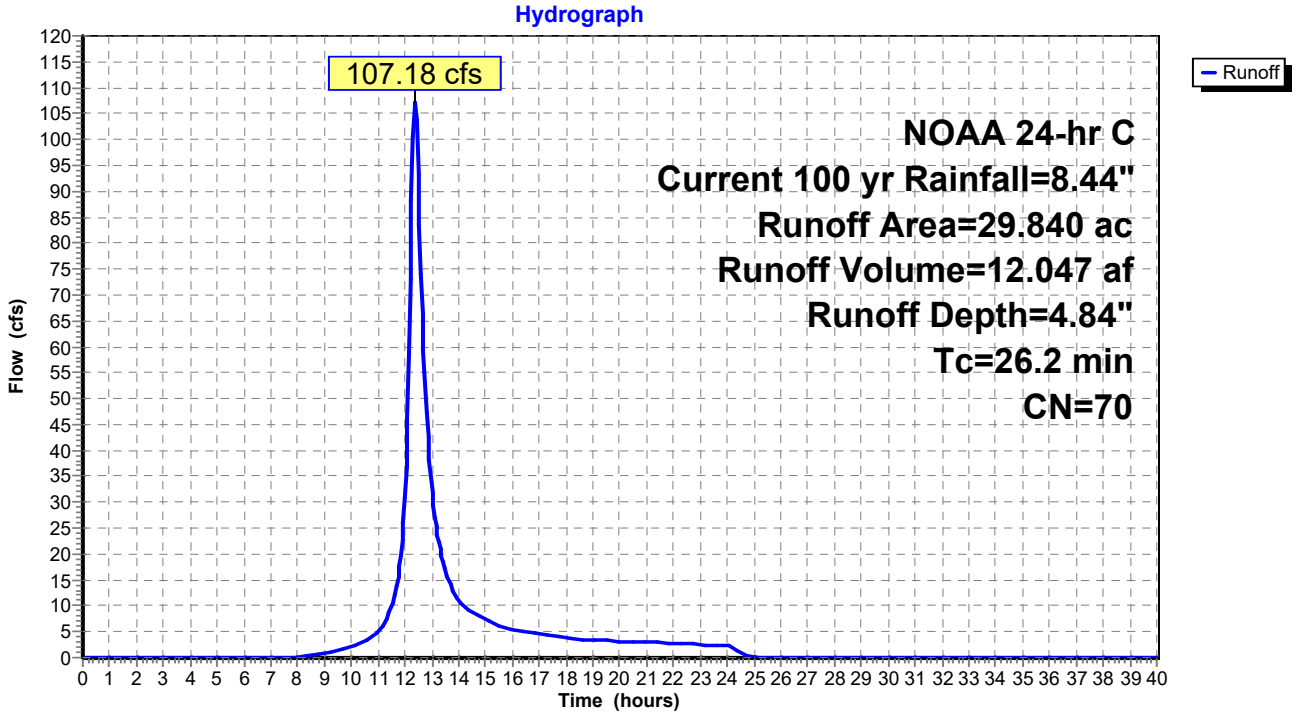
Runoff = 107.18 cfs @ 12.37 hrs, Volume= 12.047 af, Depth= 4.84"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.11
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.13
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.15
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.17
5.40	0.59	0.00	0.00	8.00	1.01	0.01	0.20
5.45	0.60	0.00	0.00	8.05	1.02	0.01	0.23
5.50	0.60	0.00	0.00	8.10	1.03	0.01	0.25
5.55	0.61	0.00	0.00	8.15	1.04	0.01	0.28
5.60	0.62	0.00	0.00	8.20	1.05	0.01	0.31
5.65	0.62	0.00	0.00	8.25	1.06	0.01	0.33
5.70	0.63	0.00	0.00	8.30	1.07	0.01	0.36
5.75	0.64	0.00	0.00	8.35	1.08	0.01	0.39
5.80	0.64	0.00	0.00	8.40	1.10	0.01	0.42
5.85	0.65	0.00	0.00	8.45	1.11	0.01	0.45
5.90	0.66	0.00	0.00	8.50	1.12	0.01	0.48
5.95	0.66	0.00	0.00	8.55	1.13	0.02	0.51
6.00	0.67	0.00	0.00	8.60	1.14	0.02	0.54
6.05	0.68	0.00	0.00	8.65	1.15	0.02	0.58
6.10	0.68	0.00	0.00	8.70	1.16	0.02	0.61
6.15	0.69	0.00	0.00	8.75	1.17	0.02	0.64
6.20	0.70	0.00	0.00	8.80	1.19	0.02	0.67
6.25	0.70	0.00	0.00	8.85	1.20	0.03	0.71
6.30	0.71	0.00	0.00	8.90	1.21	0.03	0.74
6.35	0.72	0.00	0.00	8.95	1.22	0.03	0.78
6.40	0.73	0.00	0.00	9.00	1.23	0.03	0.81
6.45	0.73	0.00	0.00	9.05	1.25	0.03	0.85
6.50	0.74	0.00	0.00	9.10	1.26	0.03	0.88
6.55	0.75	0.00	0.00	9.15	1.27	0.04	0.92
6.60	0.76	0.00	0.00	9.20	1.28	0.04	0.96
6.65	0.77	0.00	0.00	9.25	1.30	0.04	1.01
6.70	0.77	0.00	0.00	9.30	1.31	0.04	1.05
6.75	0.78	0.00	0.00	9.35	1.33	0.05	1.10
6.80	0.79	0.00	0.00	9.40	1.34	0.05	1.16
6.85	0.80	0.00	0.00	9.45	1.35	0.05	1.22
6.90	0.81	0.00	0.00	9.50	1.37	0.05	1.28
6.95	0.81	0.00	0.00	9.55	1.39	0.06	1.34
7.00	0.82	0.00	0.00	9.60	1.40	0.06	1.41
7.05	0.83	0.00	0.00	9.65	1.42	0.06	1.48
7.10	0.84	0.00	0.00	9.70	1.43	0.07	1.56
7.15	0.85	0.00	0.00	9.75	1.45	0.07	1.63
7.20	0.86	0.00	0.00	9.80	1.47	0.08	1.71
7.25	0.87	0.00	0.00	9.85	1.49	0.08	1.79
7.30	0.88	0.00	0.00	9.90	1.50	0.08	1.88
7.35	0.89	0.00	0.00	9.95	1.52	0.09	1.96
7.40	0.89	0.00	0.00	10.00	1.54	0.09	2.05
7.45	0.90	0.00	0.01	10.05	1.56	0.10	2.14
7.50	0.91	0.00	0.01	10.10	1.58	0.10	2.24
7.55	0.92	0.00	0.02	10.15	1.60	0.11	2.33
7.60	0.93	0.00	0.03	10.20	1.62	0.11	2.43
7.65	0.94	0.00	0.05	10.25	1.64	0.12	2.53
7.70	0.95	0.00	0.07	10.30	1.66	0.13	2.64
7.75	0.96	0.00	0.09	10.35	1.68	0.13	2.74

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.14	2.85	13.00	6.41	3.14	31.82
10.45	1.72	0.14	2.96	13.05	6.45	3.16	29.34
10.50	1.74	0.15	3.08	13.10	6.48	3.19	27.22
10.55	1.76	0.16	3.19	13.15	6.51	3.22	25.36
10.60	1.79	0.17	3.31	13.20	6.54	3.24	23.70
10.65	1.81	0.17	3.45	13.25	6.57	3.27	22.20
10.70	1.84	0.18	3.60	13.30	6.60	3.29	20.86
10.75	1.87	0.19	3.77	13.35	6.63	3.31	19.64
10.80	1.90	0.20	3.97	13.40	6.65	3.33	18.54
10.85	1.93	0.21	4.19	13.45	6.68	3.35	17.54
10.90	1.96	0.23	4.45	13.50	6.70	3.37	16.64
10.95	1.99	0.24	4.73	13.55	6.72	3.39	15.83
11.00	2.03	0.25	5.03	13.60	6.74	3.41	15.09
11.05	2.06	0.26	5.35	13.65	6.76	3.42	14.40
11.10	2.10	0.28	5.69	13.70	6.78	3.44	13.75
11.15	2.14	0.30	6.06	13.75	6.80	3.46	13.13
11.20	2.19	0.31	6.47	13.80	6.82	3.47	12.57
11.25	2.23	0.33	6.92	13.85	6.84	3.49	12.06
11.30	2.28	0.35	7.43	13.90	6.86	3.51	11.63
11.35	2.33	0.38	7.99	13.95	6.88	3.52	11.25
11.40	2.38	0.40	8.60	14.00	6.90	3.54	10.93
11.45	2.44	0.43	9.25	14.05	6.92	3.55	10.65
11.50	2.49	0.45	9.95	14.10	6.94	3.57	10.40
11.55	2.58	0.49	10.70	14.15	6.95	3.58	10.18
11.60	2.66	0.54	11.55	14.20	6.97	3.60	9.97
11.65	2.75	0.58	12.58	14.25	6.99	3.61	9.78
11.70	2.84	0.63	13.88	14.30	7.01	3.62	9.60
11.75	2.97	0.70	15.50	14.35	7.02	3.64	9.43
11.80	3.09	0.77	17.46	14.40	7.04	3.65	9.26
11.85	3.26	0.86	19.77	14.45	7.05	3.66	9.10
11.90	3.43	0.97	22.55	14.50	7.07	3.68	8.94
11.95	3.73	1.15	26.09	14.55	7.09	3.69	8.78
12.00	4.02	1.34	30.74	14.60	7.10	3.70	8.62
12.05	4.52	1.68	37.01	14.65	7.11	3.71	8.47
12.10	5.01	2.04	45.91	14.70	7.13	3.73	8.31
12.15	5.18	2.17	58.10	14.75	7.14	3.74	8.16
12.20	5.35	2.30	72.94	14.80	7.16	3.75	8.00
12.25	5.47	2.39	88.21	14.85	7.17	3.76	7.84
12.30	5.60	2.49	100.44	14.90	7.18	3.77	7.69
12.35	5.69	2.56	**106.49**	14.95	7.19	3.78	7.54
12.40	5.78	2.63	106.30	15.00	7.21	3.79	7.38
12.45	5.86	2.70	101.40	15.05	7.22	3.80	7.23
12.50	5.95	2.76	93.20	15.10	7.23	3.81	7.07
12.55	6.00	2.81	83.54	15.15	7.24	3.82	6.92
12.60	6.06	2.85	74.18	15.20	7.25	3.83	6.76
12.65	6.11	2.89	66.21	15.25	7.27	3.84	6.61
12.70	6.16	2.93	59.24	15.30	7.28	3.85	6.48
12.75	6.21	2.97	52.97	15.35	7.29	3.86	6.35
12.80	6.25	3.01	47.38	15.40	7.30	3.87	6.24
12.85	6.30	3.04	42.54	15.45	7.31	3.88	6.14
12.90	6.34	3.08	38.36	15.50	7.32	3.89	6.06
12.95	6.38	3.11	34.81	15.55	7.33	3.90	5.99

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.91	5.92	18.20	7.80	4.29	3.71
15.65	7.36	3.92	5.86	18.25	7.80	4.30	3.67
15.70	7.37	3.92	5.81	18.30	7.81	4.30	3.63
15.75	7.38	3.93	5.76	18.35	7.82	4.31	3.60
15.80	7.39	3.94	5.71	18.40	7.82	4.31	3.57
15.85	7.40	3.95	5.67	18.45	7.83	4.32	3.54
15.90	7.41	3.96	5.62	18.50	7.84	4.33	3.52
15.95	7.42	3.97	5.57	18.55	7.84	4.33	3.50
16.00	7.43	3.98	5.53	18.60	7.85	4.34	3.48
16.05	7.44	3.99	5.49	18.65	7.86	4.34	3.47
16.10	7.45	3.99	5.45	18.70	7.86	4.35	3.45
16.15	7.46	4.00	5.41	18.75	7.87	4.35	3.44
16.20	7.47	4.01	5.37	18.80	7.88	4.36	3.43
16.25	7.48	4.02	5.33	18.85	7.88	4.36	3.41
16.30	7.49	4.03	5.29	18.90	7.89	4.37	3.40
16.35	7.50	4.04	5.25	18.95	7.90	4.38	3.39
16.40	7.51	4.04	5.20	19.00	7.90	4.38	3.38
16.45	7.52	4.05	5.16	19.05	7.91	4.39	3.37
16.50	7.53	4.06	5.12	19.10	7.92	4.39	3.36
16.55	7.54	4.07	5.08	19.15	7.92	4.40	3.35
16.60	7.55	4.08	5.04	19.20	7.93	4.40	3.34
16.65	7.55	4.08	5.00	19.25	7.93	4.41	3.33
16.70	7.56	4.09	4.96	19.30	7.94	4.41	3.32
16.75	7.57	4.10	4.92	19.35	7.95	4.42	3.31
16.80	7.58	4.11	4.88	19.40	7.95	4.42	3.30
16.85	7.59	4.11	4.83	19.45	7.96	4.43	3.29
16.90	7.60	4.12	4.79	19.50	7.97	4.44	3.28
16.95	7.61	4.13	4.75	19.55	7.97	4.44	3.27
17.00	7.62	4.14	4.71	19.60	7.98	4.45	3.26
17.05	7.63	4.14	4.67	19.65	7.98	4.45	3.25
17.10	7.63	4.15	4.63	19.70	7.99	4.46	3.24
17.15	7.64	4.16	4.59	19.75	8.00	4.46	3.23
17.20	7.65	4.17	4.55	19.80	8.00	4.47	3.22
17.25	7.66	4.17	4.50	19.85	8.01	4.47	3.21
17.30	7.67	4.18	4.46	19.90	8.01	4.48	3.20
17.35	7.67	4.19	4.42	19.95	8.02	4.48	3.19
17.40	7.68	4.19	4.38	20.00	8.03	4.49	3.18
17.45	7.69	4.20	4.34	20.05	8.03	4.49	3.17
17.50	7.70	4.21	4.29	20.10	8.04	4.50	3.16
17.55	7.71	4.21	4.25	20.15	8.04	4.50	3.15
17.60	7.71	4.22	4.21	20.20	8.05	4.51	3.14
17.65	7.72	4.23	4.17	20.25	8.06	4.51	3.13
17.70	7.73	4.23	4.13	20.30	8.06	4.52	3.11
17.75	7.74	4.24	4.08	20.35	8.07	4.52	3.10
17.80	7.74	4.24	4.04	20.40	8.07	4.53	3.09
17.85	7.75	4.25	4.00	20.45	8.08	4.53	3.08
17.90	7.76	4.26	3.96	20.50	8.09	4.54	3.07
17.95	7.76	4.26	3.92	20.55	8.09	4.54	3.06
18.00	7.77	4.27	3.88	20.60	8.10	4.55	3.05
18.05	7.78	4.27	3.83	20.65	8.10	4.55	3.04
18.10	7.78	4.28	3.79	20.70	8.11	4.56	3.03
18.15	7.79	4.29	3.75	20.75	8.11	4.56	3.02

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.57	3.01	23.40	8.38	4.80	2.46
20.85	8.13	4.57	3.00	23.45	8.39	4.80	2.45
20.90	8.13	4.58	2.99	23.50	8.39	4.80	2.44
20.95	8.14	4.58	2.98	23.55	8.40	4.81	2.43
21.00	8.14	4.59	2.97	23.60	8.40	4.81	2.42
21.05	8.15	4.59	2.96	23.65	8.41	4.82	2.41
21.10	8.15	4.60	2.95	23.70	8.41	4.82	2.40
21.15	8.16	4.60	2.94	23.75	8.42	4.82	2.39
21.20	8.16	4.61	2.93	23.80	8.42	4.83	2.38
21.25	8.17	4.61	2.91	23.85	8.42	4.83	2.37
21.30	8.18	4.62	2.90	23.90	8.43	4.84	2.36
21.35	8.18	4.62	2.89	23.95	8.43	4.84	2.35
21.40	8.19	4.62	2.89	24.00	**8.44**	**4.84**	2.34
21.45	8.19	4.63	2.88	24.05	8.44	4.84	2.35
21.50	8.20	4.63	2.87	24.10	8.44	4.84	2.34
21.55	8.20	4.64	2.86	24.15	8.44	4.84	2.30
21.60	8.21	4.64	2.85	24.20	8.44	4.84	2.18
21.65	8.21	4.65	2.83	24.25	8.44	4.84	1.97
21.70	8.22	4.65	2.82	24.30	8.44	4.84	1.69
21.75	8.22	4.66	2.81	24.35	8.44	4.84	1.38
21.80	8.23	4.66	2.80	24.40	8.44	4.84	1.09
21.85	8.23	4.67	2.79	24.45	8.44	4.84	0.83
21.90	8.24	4.67	2.78	24.50	8.44	4.84	0.62
21.95	8.24	4.67	2.77	24.55	8.44	4.84	0.47
22.00	8.25	4.68	2.76	24.60	8.44	4.84	0.35
22.05	8.25	4.68	2.75	24.65	8.44	4.84	0.27
22.10	8.26	4.69	2.74	24.70	8.44	4.84	0.20
22.15	8.26	4.69	2.73	24.75	8.44	4.84	0.15
22.20	8.27	4.70	2.72	24.80	8.44	4.84	0.11
22.25	8.27	4.70	2.71	24.85	8.44	4.84	0.08
22.30	8.28	4.71	2.70	24.90	8.44	4.84	0.06
22.35	8.28	4.71	2.69	24.95	8.44	4.84	0.05
22.40	8.29	4.71	2.68	25.00	8.44	4.84	0.04
22.45	8.29	4.72	2.67	25.05	8.44	4.84	0.03
22.50	8.30	4.72	2.66	25.10	8.44	4.84	0.02
22.55	8.30	4.73	2.64	25.15	8.44	4.84	0.01
22.60	8.31	4.73	2.63	25.20	8.44	4.84	0.01
22.65	8.31	4.74	2.62	25.25	8.44	4.84	0.01
22.70	8.32	4.74	2.61	25.30	8.44	4.84	0.00
22.75	8.32	4.74	2.60	25.35	8.44	4.84	0.00
22.80	8.33	4.75	2.59	25.40	8.44	4.84	0.00
22.85	8.33	4.75	2.58	25.45	8.44	4.84	0.00
22.90	8.34	4.76	2.57	25.50	8.44	4.84	0.00
22.95	8.34	4.76	2.56	25.55	8.44	4.84	0.00
23.00	8.35	4.76	2.55	25.60	8.44	4.84	0.00
23.05	8.35	4.77	2.54	25.65	8.44	4.84	0.00
23.10	8.36	4.77	2.53	25.70	8.44	4.84	0.00
23.15	8.36	4.78	2.52	25.75	8.44	4.84	0.00
23.20	8.37	4.78	2.51	25.80	8.44	4.84	0.00
23.25	8.37	4.78	2.50	25.85	8.44	4.84	0.00
23.30	8.38	4.79	2.49	25.90	8.44	4.84	0.00
23.35	8.38	4.79	2.47	25.95	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.84	0.00	28.60	8.44	4.84	0.00
26.05	8.44	4.84	0.00	28.65	8.44	4.84	0.00
26.10	8.44	4.84	0.00	28.70	8.44	4.84	0.00
26.15	8.44	4.84	0.00	28.75	8.44	4.84	0.00
26.20	8.44	4.84	0.00	28.80	8.44	4.84	0.00
26.25	8.44	4.84	0.00	28.85	8.44	4.84	0.00
26.30	8.44	4.84	0.00	28.90	8.44	4.84	0.00
26.35	8.44	4.84	0.00	28.95	8.44	4.84	0.00
26.40	8.44	4.84	0.00	29.00	8.44	4.84	0.00
26.45	8.44	4.84	0.00	29.05	8.44	4.84	0.00
26.50	8.44	4.84	0.00	29.10	8.44	4.84	0.00
26.55	8.44	4.84	0.00	29.15	8.44	4.84	0.00
26.60	8.44	4.84	0.00	29.20	8.44	4.84	0.00
26.65	8.44	4.84	0.00	29.25	8.44	4.84	0.00
26.70	8.44	4.84	0.00	29.30	8.44	4.84	0.00
26.75	8.44	4.84	0.00	29.35	8.44	4.84	0.00
26.80	8.44	4.84	0.00	29.40	8.44	4.84	0.00
26.85	8.44	4.84	0.00	29.45	8.44	4.84	0.00
26.90	8.44	4.84	0.00	29.50	8.44	4.84	0.00
26.95	8.44	4.84	0.00	29.55	8.44	4.84	0.00
27.00	8.44	4.84	0.00	29.60	8.44	4.84	0.00
27.05	8.44	4.84	0.00	29.65	8.44	4.84	0.00
27.10	8.44	4.84	0.00	29.70	8.44	4.84	0.00
27.15	8.44	4.84	0.00	29.75	8.44	4.84	0.00
27.20	8.44	4.84	0.00	29.80	8.44	4.84	0.00
27.25	8.44	4.84	0.00	29.85	8.44	4.84	0.00
27.30	8.44	4.84	0.00	29.90	8.44	4.84	0.00
27.35	8.44	4.84	0.00	29.95	8.44	4.84	0.00
27.40	8.44	4.84	0.00	30.00	8.44	4.84	0.00
27.45	8.44	4.84	0.00	30.05	8.44	4.84	0.00
27.50	8.44	4.84	0.00	30.10	8.44	4.84	0.00
27.55	8.44	4.84	0.00	30.15	8.44	4.84	0.00
27.60	8.44	4.84	0.00	30.20	8.44	4.84	0.00
27.65	8.44	4.84	0.00	30.25	8.44	4.84	0.00
27.70	8.44	4.84	0.00	30.30	8.44	4.84	0.00
27.75	8.44	4.84	0.00	30.35	8.44	4.84	0.00
27.80	8.44	4.84	0.00	30.40	8.44	4.84	0.00
27.85	8.44	4.84	0.00	30.45	8.44	4.84	0.00
27.90	8.44	4.84	0.00	30.50	8.44	4.84	0.00
27.95	8.44	4.84	0.00	30.55	8.44	4.84	0.00
28.00	8.44	4.84	0.00	30.60	8.44	4.84	0.00
28.05	8.44	4.84	0.00	30.65	8.44	4.84	0.00
28.10	8.44	4.84	0.00	30.70	8.44	4.84	0.00
28.15	8.44	4.84	0.00	30.75	8.44	4.84	0.00
28.20	8.44	4.84	0.00	30.80	8.44	4.84	0.00
28.25	8.44	4.84	0.00	30.85	8.44	4.84	0.00
28.30	8.44	4.84	0.00	30.90	8.44	4.84	0.00
28.35	8.44	4.84	0.00	30.95	8.44	4.84	0.00
28.40	8.44	4.84	0.00	31.00	8.44	4.84	0.00
28.45	8.44	4.84	0.00	31.05	8.44	4.84	0.00
28.50	8.44	4.84	0.00	31.10	8.44	4.84	0.00
28.55	8.44	4.84	0.00	31.15	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.84	0.00	33.80	8.44	4.84	0.00
31.25	8.44	4.84	0.00	33.85	8.44	4.84	0.00
31.30	8.44	4.84	0.00	33.90	8.44	4.84	0.00
31.35	8.44	4.84	0.00	33.95	8.44	4.84	0.00
31.40	8.44	4.84	0.00	34.00	8.44	4.84	0.00
31.45	8.44	4.84	0.00	34.05	8.44	4.84	0.00
31.50	8.44	4.84	0.00	34.10	8.44	4.84	0.00
31.55	8.44	4.84	0.00	34.15	8.44	4.84	0.00
31.60	8.44	4.84	0.00	34.20	8.44	4.84	0.00
31.65	8.44	4.84	0.00	34.25	8.44	4.84	0.00
31.70	8.44	4.84	0.00	34.30	8.44	4.84	0.00
31.75	8.44	4.84	0.00	34.35	8.44	4.84	0.00
31.80	8.44	4.84	0.00	34.40	8.44	4.84	0.00
31.85	8.44	4.84	0.00	34.45	8.44	4.84	0.00
31.90	8.44	4.84	0.00	34.50	8.44	4.84	0.00
31.95	8.44	4.84	0.00	34.55	8.44	4.84	0.00
32.00	8.44	4.84	0.00	34.60	8.44	4.84	0.00
32.05	8.44	4.84	0.00	34.65	8.44	4.84	0.00
32.10	8.44	4.84	0.00	34.70	8.44	4.84	0.00
32.15	8.44	4.84	0.00	34.75	8.44	4.84	0.00
32.20	8.44	4.84	0.00	34.80	8.44	4.84	0.00
32.25	8.44	4.84	0.00	34.85	8.44	4.84	0.00
32.30	8.44	4.84	0.00	34.90	8.44	4.84	0.00
32.35	8.44	4.84	0.00	34.95	8.44	4.84	0.00
32.40	8.44	4.84	0.00	35.00	8.44	4.84	0.00
32.45	8.44	4.84	0.00	35.05	8.44	4.84	0.00
32.50	8.44	4.84	0.00	35.10	8.44	4.84	0.00
32.55	8.44	4.84	0.00	35.15	8.44	4.84	0.00
32.60	8.44	4.84	0.00	35.20	8.44	4.84	0.00
32.65	8.44	4.84	0.00	35.25	8.44	4.84	0.00
32.70	8.44	4.84	0.00	35.30	8.44	4.84	0.00
32.75	8.44	4.84	0.00	35.35	8.44	4.84	0.00
32.80	8.44	4.84	0.00	35.40	8.44	4.84	0.00
32.85	8.44	4.84	0.00	35.45	8.44	4.84	0.00
32.90	8.44	4.84	0.00	35.50	8.44	4.84	0.00
32.95	8.44	4.84	0.00	35.55	8.44	4.84	0.00
33.00	8.44	4.84	0.00	35.60	8.44	4.84	0.00
33.05	8.44	4.84	0.00	35.65	8.44	4.84	0.00
33.10	8.44	4.84	0.00	35.70	8.44	4.84	0.00
33.15	8.44	4.84	0.00	35.75	8.44	4.84	0.00
33.20	8.44	4.84	0.00	35.80	8.44	4.84	0.00
33.25	8.44	4.84	0.00	35.85	8.44	4.84	0.00
33.30	8.44	4.84	0.00	35.90	8.44	4.84	0.00
33.35	8.44	4.84	0.00	35.95	8.44	4.84	0.00
33.40	8.44	4.84	0.00	36.00	8.44	4.84	0.00
33.45	8.44	4.84	0.00	36.05	8.44	4.84	0.00
33.50	8.44	4.84	0.00	36.10	8.44	4.84	0.00
33.55	8.44	4.84	0.00	36.15	8.44	4.84	0.00
33.60	8.44	4.84	0.00	36.20	8.44	4.84	0.00
33.65	8.44	4.84	0.00	36.25	8.44	4.84	0.00
33.70	8.44	4.84	0.00	36.30	8.44	4.84	0.00
33.75	8.44	4.84	0.00	36.35	8.44	4.84	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

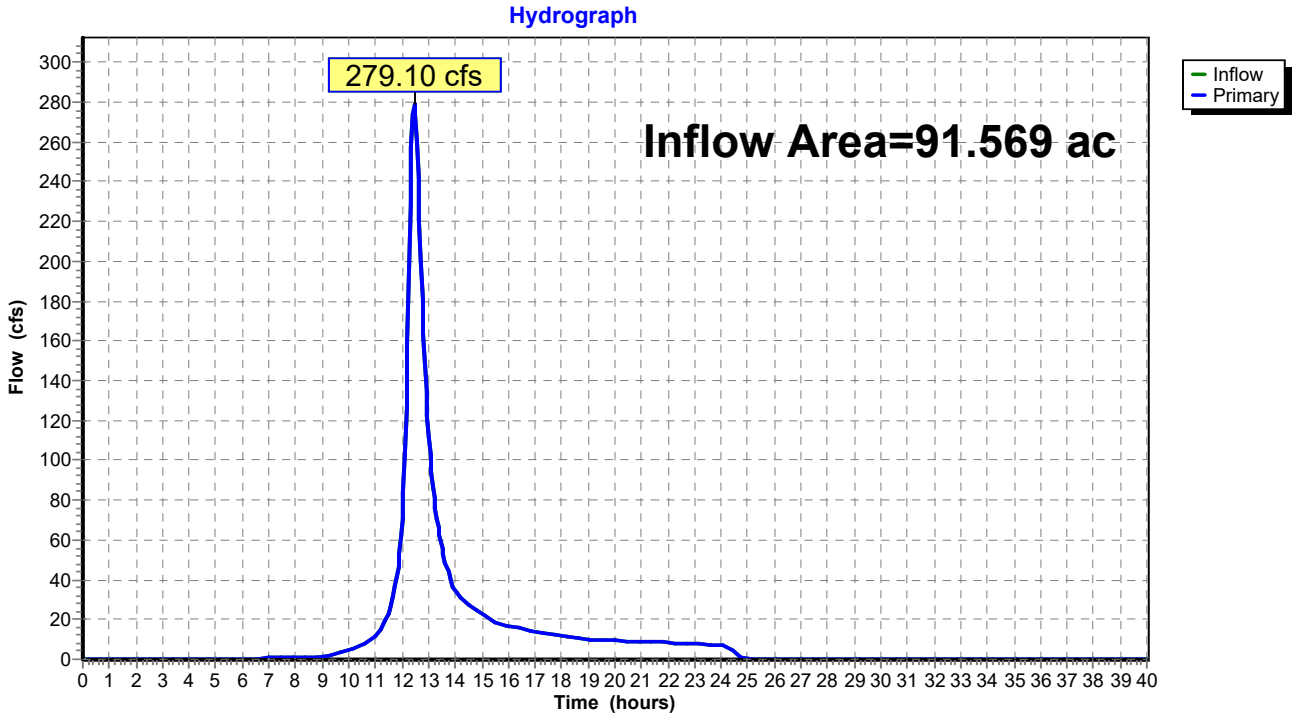
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.84	0.00
36.45	8.44	4.84	0.00
36.50	8.44	4.84	0.00
36.55	8.44	4.84	0.00
36.60	8.44	4.84	0.00
36.65	8.44	4.84	0.00
36.70	8.44	4.84	0.00
36.75	8.44	4.84	0.00
36.80	8.44	4.84	0.00
36.85	8.44	4.84	0.00
36.90	8.44	4.84	0.00
36.95	8.44	4.84	0.00
37.00	8.44	4.84	0.00
37.05	8.44	4.84	0.00
37.10	8.44	4.84	0.00
37.15	8.44	4.84	0.00
37.20	8.44	4.84	0.00
37.25	8.44	4.84	0.00
37.30	8.44	4.84	0.00
37.35	8.44	4.84	0.00
37.40	8.44	4.84	0.00
37.45	8.44	4.84	0.00
37.50	8.44	4.84	0.00
37.55	8.44	4.84	0.00
37.60	8.44	4.84	0.00
37.65	8.44	4.84	0.00
37.70	8.44	4.84	0.00
37.75	8.44	4.84	0.00
37.80	8.44	4.84	0.00
37.85	8.44	4.84	0.00
37.90	8.44	4.84	0.00
37.95	8.44	4.84	0.00
38.00	8.44	4.84	0.00
38.05	8.44	4.84	0.00
38.10	8.44	4.84	0.00
38.15	8.44	4.84	0.00
38.20	8.44	4.84	0.00
38.25	8.44	4.84	0.00
38.30	8.44	4.84	0.00
38.35	8.44	4.84	0.00
38.40	8.44	4.84	0.00
38.45	8.44	4.84	0.00
38.50	8.44	4.84	0.00
38.55	8.44	4.84	0.00
38.60	8.44	4.84	0.00
38.65	8.44	4.84	0.00
38.70	8.44	4.84	0.00
38.75	8.44	4.84	0.00
38.80	8.44	4.84	0.00
38.85	8.44	4.84	0.00
38.90	8.44	4.84	0.00
38.95	8.44	4.84	0.00
39.00	8.44	4.84	0.00
39.05	8.44	4.84	0.00
39.10	8.44	4.84	0.00
39.15	8.44	4.84	0.00
39.20	8.44	4.84	0.00
39.25	8.44	4.84	0.00
39.30	8.44	4.84	0.00
39.35	8.44	4.84	0.00
39.40	8.44	4.84	0.00
39.45	8.44	4.84	0.00
39.50	8.44	4.84	0.00
39.55	8.44	4.84	0.00
39.60	8.44	4.84	0.00
39.65	8.44	4.84	0.00
39.70	8.44	4.84	0.00
39.75	8.44	4.84	0.00
39.80	8.44	4.84	0.00
39.85	8.44	4.84	0.00
39.90	8.44	4.84	0.00
39.95	8.44	4.84	0.00
40.00	8.44	4.84	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 4.57" for Current 100 yr event
Inflow = 279.10 cfs @ 12.45 hrs, Volume= 34.868 af
Primary = 279.10 cfs @ 12.45 hrs, Volume= 34.868 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.05	0.00	0.05
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.08	0.00	0.08
0.45	0.00	0.00	0.00	3.05	0.08	0.00	0.08
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.10	0.00	0.10
0.65	0.00	0.00	0.00	3.25	0.10	0.00	0.10
0.70	0.00	0.00	0.00	3.30	0.11	0.00	0.11
0.75	0.00	0.00	0.00	3.35	0.11	0.00	0.11
0.80	0.00	0.00	0.00	3.40	0.12	0.00	0.12
0.85	0.00	0.00	0.00	3.45	0.12	0.00	0.12
0.90	0.00	0.00	0.00	3.50	0.13	0.00	0.13
0.95	0.00	0.00	0.00	3.55	0.13	0.00	0.13
1.00	0.00	0.00	0.00	3.60	0.14	0.00	0.14
1.05	0.00	0.00	0.00	3.65	0.14	0.00	0.14
1.10	0.00	0.00	0.00	3.70	0.15	0.00	0.15
1.15	0.00	0.00	0.00	3.75	0.15	0.00	0.15
1.20	0.00	0.00	0.00	3.80	0.16	0.00	0.16
1.25	0.00	0.00	0.00	3.85	0.17	0.00	0.17
1.30	0.00	0.00	0.00	3.90	0.17	0.00	0.17
1.35	0.00	0.00	0.00	3.95	0.17	0.00	0.17
1.40	0.00	0.00	0.00	4.00	0.18	0.00	0.18
1.45	0.00	0.00	0.00	4.05	0.18	0.00	0.18
1.50	0.00	0.00	0.00	4.10	0.19	0.00	0.19
1.55	0.00	0.00	0.00	4.15	0.19	0.00	0.19
1.60	0.00	0.00	0.00	4.20	0.20	0.00	0.20
1.65	0.00	0.00	0.00	4.25	0.20	0.00	0.20
1.70	0.00	0.00	0.00	4.30	0.21	0.00	0.21
1.75	0.00	0.00	0.00	4.35	0.21	0.00	0.21
1.80	0.00	0.00	0.00	4.40	0.22	0.00	0.22
1.85	0.00	0.00	0.00	4.45	0.22	0.00	0.22
1.90	0.00	0.00	0.00	4.50	0.23	0.00	0.23
1.95	0.00	0.00	0.00	4.55	0.23	0.00	0.23
2.00	0.00	0.00	0.00	4.60	0.24	0.00	0.24
2.05	0.00	0.00	0.00	4.65	0.24	0.00	0.24
2.10	0.00	0.00	0.00	4.70	0.25	0.00	0.25
2.15	0.00	0.00	0.00	4.75	0.25	0.00	0.25
2.20	0.00	0.00	0.00	4.80	0.26	0.00	0.26
2.25	0.01	0.00	0.01	4.85	0.26	0.00	0.26
2.30	0.01	0.00	0.01	4.90	0.27	0.00	0.27
2.35	0.01	0.00	0.01	4.95	0.27	0.00	0.27
2.40	0.02	0.00	0.02	5.00	0.27	0.00	0.27
2.45	0.02	0.00	0.02	5.05	0.28	0.00	0.28
2.50	0.02	0.00	0.02	5.10	0.28	0.00	0.28
2.55	0.03	0.00	0.03	5.15	0.29	0.00	0.29

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.29	0.00	0.29	7.80	0.62	0.00	0.62
5.25	0.30	0.00	0.30	7.85	0.63	0.00	0.63
5.30	0.30	0.00	0.30	7.90	0.64	0.00	0.64
5.35	0.31	0.00	0.31	7.95	0.65	0.00	0.65
5.40	0.31	0.00	0.31	8.00	0.66	0.00	0.66
5.45	0.31	0.00	0.31	8.05	0.67	0.00	0.67
5.50	0.32	0.00	0.32	8.10	0.68	0.00	0.68
5.55	0.32	0.00	0.32	8.15	0.69	0.00	0.69
5.60	0.33	0.00	0.33	8.20	0.71	0.00	0.71
5.65	0.33	0.00	0.33	8.25	0.72	0.00	0.72
5.70	0.34	0.00	0.34	8.30	0.74	0.00	0.74
5.75	0.34	0.00	0.34	8.35	0.77	0.00	0.77
5.80	0.34	0.00	0.34	8.40	0.80	0.00	0.80
5.85	0.35	0.00	0.35	8.45	0.84	0.00	0.84
5.90	0.35	0.00	0.35	8.50	0.88	0.00	0.88
5.95	0.36	0.00	0.36	8.55	0.94	0.00	0.94
6.00	0.36	0.00	0.36	8.60	0.99	0.00	0.99
6.05	0.36	0.00	0.36	8.65	1.06	0.00	1.06
6.10	0.37	0.00	0.37	8.70	1.13	0.00	1.13
6.15	0.37	0.00	0.37	8.75	1.21	0.00	1.21
6.20	0.38	0.00	0.38	8.80	1.29	0.00	1.29
6.25	0.38	0.00	0.38	8.85	1.37	0.00	1.37
6.30	0.39	0.00	0.39	8.90	1.46	0.00	1.46
6.35	0.39	0.00	0.39	8.95	1.54	0.00	1.54
6.40	0.40	0.00	0.40	9.00	1.63	0.00	1.63
6.45	0.40	0.00	0.40	9.05	1.73	0.00	1.73
6.50	0.41	0.00	0.41	9.10	1.82	0.00	1.82
6.55	0.42	0.00	0.42	9.15	1.92	0.00	1.92
6.60	0.42	0.00	0.42	9.20	2.02	0.00	2.02
6.65	0.43	0.00	0.43	9.25	2.13	0.00	2.13
6.70	0.44	0.00	0.44	9.30	2.24	0.00	2.24
6.75	0.45	0.00	0.45	9.35	2.37	0.00	2.37
6.80	0.45	0.00	0.45	9.40	2.50	0.00	2.50
6.85	0.46	0.00	0.46	9.45	2.64	0.00	2.64
6.90	0.47	0.00	0.47	9.50	2.79	0.00	2.79
6.95	0.48	0.00	0.48	9.55	2.95	0.00	2.95
7.00	0.49	0.00	0.49	9.60	3.12	0.00	3.12
7.05	0.49	0.00	0.49	9.65	3.29	0.00	3.29
7.10	0.50	0.00	0.50	9.70	3.48	0.00	3.48
7.15	0.51	0.00	0.51	9.75	3.67	0.00	3.67
7.20	0.52	0.00	0.52	9.80	3.87	0.00	3.87
7.25	0.53	0.00	0.53	9.85	4.07	0.00	4.07
7.30	0.54	0.00	0.54	9.90	4.29	0.00	4.29
7.35	0.55	0.00	0.55	9.95	4.51	0.00	4.51
7.40	0.55	0.00	0.55	10.00	4.73	0.00	4.73
7.45	0.56	0.00	0.56	10.05	4.97	0.00	4.97
7.50	0.57	0.00	0.57	10.10	5.22	0.00	5.22
7.55	0.58	0.00	0.58	10.15	5.46	0.00	5.46
7.60	0.59	0.00	0.59	10.20	5.72	0.00	5.72
7.65	0.60	0.00	0.60	10.25	5.99	0.00	5.99
7.70	0.61	0.00	0.61	10.30	6.26	0.00	6.26
7.75	0.61	0.00	0.61	10.35	6.54	0.00	6.54

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	6.83	0.00	6.83	13.00	111.89	0.00	111.89
10.45	7.12	0.00	7.12	13.05	102.51	0.00	102.51
10.50	7.42	0.00	7.42	13.10	94.39	0.00	94.39
10.55	7.73	0.00	7.73	13.15	87.38	0.00	87.38
10.60	8.06	0.00	8.06	13.20	81.21	0.00	81.21
10.65	8.39	0.00	8.39	13.25	75.70	0.00	75.70
10.70	8.76	0.00	8.76	13.30	70.79	0.00	70.79
10.75	9.18	0.00	9.18	13.35	66.39	0.00	66.39
10.80	9.64	0.00	9.64	13.40	62.36	0.00	62.36
10.85	10.16	0.00	10.16	13.45	58.75	0.00	58.75
10.90	10.76	0.00	10.76	13.50	55.52	0.00	55.52
10.95	11.41	0.00	11.41	13.55	52.57	0.00	52.57
11.00	12.13	0.00	12.13	13.60	49.85	0.00	49.85
11.05	12.91	0.00	12.91	13.65	47.34	0.00	47.34
11.10	13.76	0.00	13.76	13.70	44.99	0.00	44.99
11.15	14.68	0.00	14.68	13.75	42.75	0.00	42.75
11.20	15.67	0.00	15.67	13.80	40.69	0.00	40.69
11.25	16.77	0.00	16.77	13.85	38.84	0.00	38.84
11.30	17.99	0.00	17.99	13.90	37.19	0.00	37.19
11.35	19.32	0.00	19.32	13.95	35.74	0.00	35.74
11.40	20.79	0.00	20.79	14.00	34.50	0.00	34.50
11.45	22.40	0.00	22.40	14.05	33.41	0.00	33.41
11.50	24.14	0.00	24.14	14.10	32.44	0.00	32.44
11.55	26.01	0.00	26.01	14.15	31.59	0.00	31.59
11.60	28.10	0.00	28.10	14.20	30.84	0.00	30.84
11.65	30.51	0.00	30.51	14.25	30.15	0.00	30.15
11.70	33.40	0.00	33.40	14.30	29.50	0.00	29.50
11.75	36.93	0.00	36.93	14.35	28.92	0.00	28.92
11.80	41.27	0.00	41.27	14.40	28.36	0.00	28.36
11.85	46.46	0.00	46.46	14.45	27.82	0.00	27.82
11.90	52.72	0.00	52.72	14.50	27.30	0.00	27.30
11.95	60.45	0.00	60.45	14.55	26.81	0.00	26.81
12.00	70.35	0.00	70.35	14.60	26.31	0.00	26.31
12.05	83.58	0.00	83.58	14.65	25.82	0.00	25.82
12.10	101.76	0.00	101.76	14.70	25.36	0.00	25.36
12.15	126.59	0.00	126.59	14.75	24.89	0.00	24.89
12.20	158.16	0.00	158.16	14.80	24.42	0.00	24.42
12.25	193.75	0.00	193.75	14.85	23.96	0.00	23.96
12.30	228.74	0.00	228.74	14.90	23.50	0.00	23.50
12.35	257.26	0.00	257.26	14.95	23.04	0.00	23.04
12.40	273.91	0.00	273.91	15.00	22.58	0.00	22.58
12.45	**279.10**	0.00	**279.10**	15.05	22.13	0.00	22.13
12.50	273.83	0.00	273.83	15.10	21.67	0.00	21.67
12.55	260.40	0.00	260.40	15.15	21.21	0.00	21.21
12.60	241.84	0.00	241.84	15.20	20.76	0.00	20.76
12.65	220.79	0.00	220.79	15.25	20.32	0.00	20.32
12.70	199.67	0.00	199.67	15.30	19.88	0.00	19.88
12.75	180.79	0.00	180.79	15.35	19.47	0.00	19.47
12.80	163.85	0.00	163.85	15.40	19.10	0.00	19.10
12.85	148.55	0.00	148.55	15.45	18.76	0.00	18.76
12.90	134.73	0.00	134.73	15.50	18.45	0.00	18.45
12.95	122.51	0.00	122.51	15.55	18.18	0.00	18.18

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	17.95	0.00	17.95	18.20	11.20	0.00	11.20
15.65	17.73	0.00	17.73	18.25	11.08	0.00	11.08
15.70	17.54	0.00	17.54	18.30	10.96	0.00	10.96
15.75	17.37	0.00	17.37	18.35	10.86	0.00	10.86
15.80	17.20	0.00	17.20	18.40	10.75	0.00	10.75
15.85	17.04	0.00	17.04	18.45	10.66	0.00	10.66
15.90	16.90	0.00	16.90	18.50	10.58	0.00	10.58
15.95	16.76	0.00	16.76	18.55	10.51	0.00	10.51
16.00	16.61	0.00	16.61	18.60	10.44	0.00	10.44
16.05	16.48	0.00	16.48	18.65	10.38	0.00	10.38
16.10	16.35	0.00	16.35	18.70	10.34	0.00	10.34
16.15	16.22	0.00	16.22	18.75	10.29	0.00	10.29
16.20	16.09	0.00	16.09	18.80	10.24	0.00	10.24
16.25	15.97	0.00	15.97	18.85	10.21	0.00	10.21
16.30	15.85	0.00	15.85	18.90	10.17	0.00	10.17
16.35	15.73	0.00	15.73	18.95	10.13	0.00	10.13
16.40	15.61	0.00	15.61	19.00	10.09	0.00	10.09
16.45	15.49	0.00	15.49	19.05	10.06	0.00	10.06
16.50	15.37	0.00	15.37	19.10	10.03	0.00	10.03
16.55	15.24	0.00	15.24	19.15	9.99	0.00	9.99
16.60	15.13	0.00	15.13	19.20	9.97	0.00	9.97
16.65	15.00	0.00	15.00	19.25	9.93	0.00	9.93
16.70	14.88	0.00	14.88	19.30	9.90	0.00	9.90
16.75	14.76	0.00	14.76	19.35	9.87	0.00	9.87
16.80	14.64	0.00	14.64	19.40	9.84	0.00	9.84
16.85	14.52	0.00	14.52	19.45	9.81	0.00	9.81
16.90	14.39	0.00	14.39	19.50	9.78	0.00	9.78
16.95	14.28	0.00	14.28	19.55	9.75	0.00	9.75
17.00	14.15	0.00	14.15	19.60	9.72	0.00	9.72
17.05	14.03	0.00	14.03	19.65	9.68	0.00	9.68
17.10	13.91	0.00	13.91	19.70	9.66	0.00	9.66
17.15	13.79	0.00	13.79	19.75	9.63	0.00	9.63
17.20	13.67	0.00	13.67	19.80	9.59	0.00	9.59
17.25	13.54	0.00	13.54	19.85	9.57	0.00	9.57
17.30	13.43	0.00	13.43	19.90	9.54	0.00	9.54
17.35	13.31	0.00	13.31	19.95	9.51	0.00	9.51
17.40	13.18	0.00	13.18	20.00	9.48	0.00	9.48
17.45	13.06	0.00	13.06	20.05	9.46	0.00	9.46
17.50	12.94	0.00	12.94	20.10	9.43	0.00	9.43
17.55	12.81	0.00	12.81	20.15	9.39	0.00	9.39
17.60	12.68	0.00	12.68	20.20	9.37	0.00	9.37
17.65	12.56	0.00	12.56	20.25	9.34	0.00	9.34
17.70	12.44	0.00	12.44	20.30	9.30	0.00	9.30
17.75	12.31	0.00	12.31	20.35	9.27	0.00	9.27
17.80	12.19	0.00	12.19	20.40	9.24	0.00	9.24
17.85	12.07	0.00	12.07	20.45	9.20	0.00	9.20
17.90	11.94	0.00	11.94	20.50	9.17	0.00	9.17
17.95	11.82	0.00	11.82	20.55	9.14	0.00	9.14
18.00	11.70	0.00	11.70	20.60	9.11	0.00	9.11
18.05	11.58	0.00	11.58	20.65	9.08	0.00	9.08
18.10	11.45	0.00	11.45	20.70	9.05	0.00	9.05
18.15	11.33	0.00	11.33	20.75	9.02	0.00	9.02

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	9.00	0.00	9.00	23.40	7.38	0.00	7.38
20.85	8.96	0.00	8.96	23.45	7.34	0.00	7.34
20.90	8.94	0.00	8.94	23.50	7.31	0.00	7.31
20.95	8.91	0.00	8.91	23.55	7.28	0.00	7.28
21.00	8.87	0.00	8.87	23.60	7.25	0.00	7.25
21.05	8.84	0.00	8.84	23.65	7.22	0.00	7.22
21.10	8.81	0.00	8.81	23.70	7.19	0.00	7.19
21.15	8.78	0.00	8.78	23.75	7.16	0.00	7.16
21.20	8.74	0.00	8.74	23.80	7.13	0.00	7.13
21.25	8.71	0.00	8.71	23.85	7.10	0.00	7.10
21.30	8.68	0.00	8.68	23.90	7.06	0.00	7.06
21.35	8.65	0.00	8.65	23.95	7.03	0.00	7.03
21.40	8.62	0.00	8.62	24.00	7.01	0.00	7.01
21.45	8.59	0.00	8.59	24.05	7.00	0.00	7.00
21.50	8.56	0.00	8.56	24.10	6.97	0.00	6.97
21.55	8.53	0.00	8.53	24.15	6.90	0.00	6.90
21.60	8.51	0.00	8.51	24.20	6.72	0.00	6.72
21.65	8.48	0.00	8.48	24.25	6.37	0.00	6.37
21.70	8.44	0.00	8.44	24.30	5.83	0.00	5.83
21.75	8.41	0.00	8.41	24.35	5.17	0.00	5.17
21.80	8.38	0.00	8.38	24.40	4.43	0.00	4.43
21.85	8.34	0.00	8.34	24.45	3.69	0.00	3.69
21.90	8.31	0.00	8.31	24.50	2.99	0.00	2.99
21.95	8.29	0.00	8.29	24.55	2.38	0.00	2.38
22.00	8.26	0.00	8.26	24.60	1.87	0.00	1.87
22.05	8.22	0.00	8.22	24.65	1.47	0.00	1.47
22.10	8.20	0.00	8.20	24.70	1.17	0.00	1.17
22.15	8.17	0.00	8.17	24.75	0.93	0.00	0.93
22.20	8.13	0.00	8.13	24.80	0.73	0.00	0.73
22.25	8.10	0.00	8.10	24.85	0.58	0.00	0.58
22.30	8.07	0.00	8.07	24.90	0.46	0.00	0.46
22.35	8.04	0.00	8.04	24.95	0.36	0.00	0.36
22.40	8.01	0.00	8.01	25.00	0.29	0.00	0.29
22.45	7.98	0.00	7.98	25.05	0.22	0.00	0.22
22.50	7.95	0.00	7.95	25.10	0.18	0.00	0.18
22.55	7.91	0.00	7.91	25.15	0.14	0.00	0.14
22.60	7.88	0.00	7.88	25.20	0.11	0.00	0.11
22.65	7.85	0.00	7.85	25.25	0.08	0.00	0.08
22.70	7.82	0.00	7.82	25.30	0.06	0.00	0.06
22.75	7.79	0.00	7.79	25.35	0.05	0.00	0.05
22.80	7.76	0.00	7.76	25.40	0.04	0.00	0.04
22.85	7.73	0.00	7.73	25.45	0.03	0.00	0.03
22.90	7.69	0.00	7.69	25.50	0.02	0.00	0.02
22.95	7.66	0.00	7.66	25.55	0.01	0.00	0.01
23.00	7.63	0.00	7.63	25.60	0.01	0.00	0.01
23.05	7.60	0.00	7.60	25.65	0.01	0.00	0.01
23.10	7.56	0.00	7.56	25.70	0.00	0.00	0.00
23.15	7.54	0.00	7.54	25.75	0.00	0.00	0.00
23.20	7.51	0.00	7.51	25.80	0.00	0.00	0.00
23.25	7.47	0.00	7.47	25.85	0.00	0.00	0.00
23.30	7.44	0.00	7.44	25.90	0.00	0.00	0.00
23.35	7.41	0.00	7.41	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

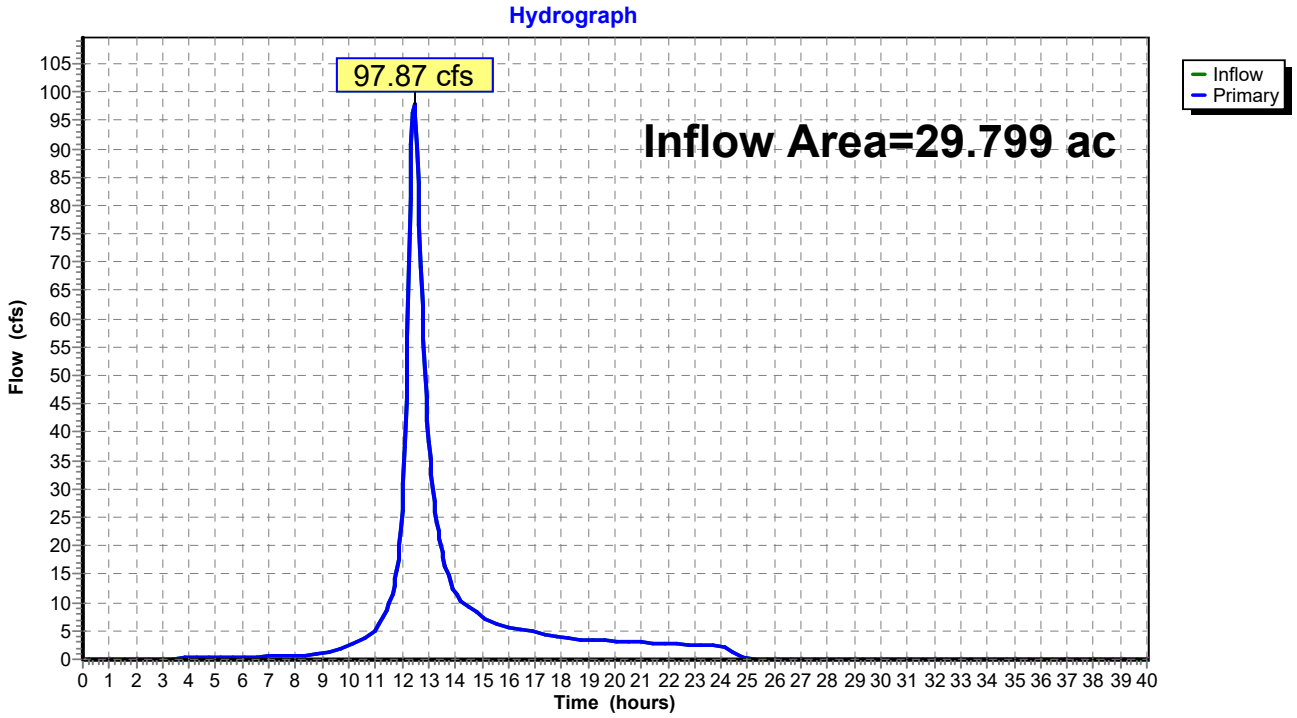
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 4.98" for Current 100 yr event
Inflow = 97.87 cfs @ 12.45 hrs, Volume= 12.369 af
Primary = 97.87 cfs @ 12.45 hrs, Volume= 12.369 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.05	0.00	0.05
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.08	0.00	0.08
0.45	0.00	0.00	0.00	3.05	0.08	0.00	0.08
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.10	0.00	0.10
0.65	0.00	0.00	0.00	3.25	0.10	0.00	0.10
0.70	0.00	0.00	0.00	3.30	0.11	0.00	0.11
0.75	0.00	0.00	0.00	3.35	0.11	0.00	0.11
0.80	0.00	0.00	0.00	3.40	0.12	0.00	0.12
0.85	0.00	0.00	0.00	3.45	0.12	0.00	0.12
0.90	0.00	0.00	0.00	3.50	0.13	0.00	0.13
0.95	0.00	0.00	0.00	3.55	0.13	0.00	0.13
1.00	0.00	0.00	0.00	3.60	0.14	0.00	0.14
1.05	0.00	0.00	0.00	3.65	0.14	0.00	0.14
1.10	0.00	0.00	0.00	3.70	0.15	0.00	0.15
1.15	0.00	0.00	0.00	3.75	0.15	0.00	0.15
1.20	0.00	0.00	0.00	3.80	0.16	0.00	0.16
1.25	0.00	0.00	0.00	3.85	0.17	0.00	0.17
1.30	0.00	0.00	0.00	3.90	0.17	0.00	0.17
1.35	0.00	0.00	0.00	3.95	0.17	0.00	0.17
1.40	0.00	0.00	0.00	4.00	0.18	0.00	0.18
1.45	0.00	0.00	0.00	4.05	0.18	0.00	0.18
1.50	0.00	0.00	0.00	4.10	0.19	0.00	0.19
1.55	0.00	0.00	0.00	4.15	0.19	0.00	0.19
1.60	0.00	0.00	0.00	4.20	0.20	0.00	0.20
1.65	0.00	0.00	0.00	4.25	0.20	0.00	0.20
1.70	0.00	0.00	0.00	4.30	0.21	0.00	0.21
1.75	0.00	0.00	0.00	4.35	0.21	0.00	0.21
1.80	0.00	0.00	0.00	4.40	0.22	0.00	0.22
1.85	0.00	0.00	0.00	4.45	0.22	0.00	0.22
1.90	0.00	0.00	0.00	4.50	0.23	0.00	0.23
1.95	0.00	0.00	0.00	4.55	0.23	0.00	0.23
2.00	0.00	0.00	0.00	4.60	0.24	0.00	0.24
2.05	0.00	0.00	0.00	4.65	0.24	0.00	0.24
2.10	0.00	0.00	0.00	4.70	0.25	0.00	0.25
2.15	0.00	0.00	0.00	4.75	0.25	0.00	0.25
2.20	0.00	0.00	0.00	4.80	0.26	0.00	0.26
2.25	0.01	0.00	0.01	4.85	0.26	0.00	0.26
2.30	0.01	0.00	0.01	4.90	0.27	0.00	0.27
2.35	0.01	0.00	0.01	4.95	0.27	0.00	0.27
2.40	0.02	0.00	0.02	5.00	0.27	0.00	0.27
2.45	0.02	0.00	0.02	5.05	0.28	0.00	0.28
2.50	0.02	0.00	0.02	5.10	0.28	0.00	0.28
2.55	0.03	0.00	0.03	5.15	0.29	0.00	0.29

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.29	0.00	0.29	7.80	0.62	0.00	0.62
5.25	0.30	0.00	0.30	7.85	0.63	0.00	0.63
5.30	0.30	0.00	0.30	7.90	0.64	0.00	0.64
5.35	0.31	0.00	0.31	7.95	0.65	0.00	0.65
5.40	0.31	0.00	0.31	8.00	0.66	0.00	0.66
5.45	0.31	0.00	0.31	8.05	0.67	0.00	0.67
5.50	0.32	0.00	0.32	8.10	0.68	0.00	0.68
5.55	0.32	0.00	0.32	8.15	0.69	0.00	0.69
5.60	0.33	0.00	0.33	8.20	0.71	0.00	0.71
5.65	0.33	0.00	0.33	8.25	0.72	0.00	0.72
5.70	0.34	0.00	0.34	8.30	0.74	0.00	0.74
5.75	0.34	0.00	0.34	8.35	0.76	0.00	0.76
5.80	0.34	0.00	0.34	8.40	0.78	0.00	0.78
5.85	0.35	0.00	0.35	8.45	0.81	0.00	0.81
5.90	0.35	0.00	0.35	8.50	0.83	0.00	0.83
5.95	0.36	0.00	0.36	8.55	0.86	0.00	0.86
6.00	0.36	0.00	0.36	8.60	0.89	0.00	0.89
6.05	0.36	0.00	0.36	8.65	0.92	0.00	0.92
6.10	0.37	0.00	0.37	8.70	0.95	0.00	0.95
6.15	0.37	0.00	0.37	8.75	0.98	0.00	0.98
6.20	0.38	0.00	0.38	8.80	1.01	0.00	1.01
6.25	0.38	0.00	0.38	8.85	1.04	0.00	1.04
6.30	0.39	0.00	0.39	8.90	1.08	0.00	1.08
6.35	0.39	0.00	0.39	8.95	1.11	0.00	1.11
6.40	0.40	0.00	0.40	9.00	1.14	0.00	1.14
6.45	0.40	0.00	0.40	9.05	1.18	0.00	1.18
6.50	0.41	0.00	0.41	9.10	1.21	0.00	1.21
6.55	0.42	0.00	0.42	9.15	1.25	0.00	1.25
6.60	0.42	0.00	0.42	9.20	1.29	0.00	1.29
6.65	0.43	0.00	0.43	9.25	1.33	0.00	1.33
6.70	0.44	0.00	0.44	9.30	1.37	0.00	1.37
6.75	0.45	0.00	0.45	9.35	1.42	0.00	1.42
6.80	0.45	0.00	0.45	9.40	1.48	0.00	1.48
6.85	0.46	0.00	0.46	9.45	1.53	0.00	1.53
6.90	0.47	0.00	0.47	9.50	1.59	0.00	1.59
6.95	0.48	0.00	0.48	9.55	1.66	0.00	1.66
7.00	0.49	0.00	0.49	9.60	1.72	0.00	1.72
7.05	0.49	0.00	0.49	9.65	1.79	0.00	1.79
7.10	0.50	0.00	0.50	9.70	1.87	0.00	1.87
7.15	0.51	0.00	0.51	9.75	1.95	0.00	1.95
7.20	0.52	0.00	0.52	9.80	2.02	0.00	2.02
7.25	0.53	0.00	0.53	9.85	2.11	0.00	2.11
7.30	0.54	0.00	0.54	9.90	2.19	0.00	2.19
7.35	0.55	0.00	0.55	9.95	2.28	0.00	2.28
7.40	0.55	0.00	0.55	10.00	2.36	0.00	2.36
7.45	0.56	0.00	0.56	10.05	2.46	0.00	2.46
7.50	0.57	0.00	0.57	10.10	2.55	0.00	2.55
7.55	0.58	0.00	0.58	10.15	2.64	0.00	2.64
7.60	0.59	0.00	0.59	10.20	2.74	0.00	2.74
7.65	0.60	0.00	0.60	10.25	2.84	0.00	2.84
7.70	0.61	0.00	0.61	10.30	2.95	0.00	2.95
7.75	0.61	0.00	0.61	10.35	3.05	0.00	3.05

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.16	0.00	3.16	13.00	38.37	0.00	38.37
10.45	3.27	0.00	3.27	13.05	35.11	0.00	35.11
10.50	3.38	0.00	3.38	13.10	32.28	0.00	32.28
10.55	3.49	0.00	3.49	13.15	29.85	0.00	29.85
10.60	3.61	0.00	3.61	13.20	27.72	0.00	27.72
10.65	3.73	0.00	3.73	13.25	25.81	0.00	25.81
10.70	3.87	0.00	3.87	13.30	24.11	0.00	24.11
10.75	4.02	0.00	4.02	13.35	22.60	0.00	22.60
10.80	4.20	0.00	4.20	13.40	21.21	0.00	21.21
10.85	4.39	0.00	4.39	13.45	19.96	0.00	19.96
10.90	4.62	0.00	4.62	13.50	18.86	0.00	18.86
10.95	4.87	0.00	4.87	13.55	17.84	0.00	17.84
11.00	5.14	0.00	5.14	13.60	16.91	0.00	16.91
11.05	5.44	0.00	5.44	13.65	16.05	0.00	16.05
11.10	5.76	0.00	5.76	13.70	15.25	0.00	15.25
11.15	6.10	0.00	6.10	13.75	14.48	0.00	14.48
11.20	6.47	0.00	6.47	13.80	13.78	0.00	13.78
11.25	6.88	0.00	6.88	13.85	13.15	0.00	13.15
11.30	7.33	0.00	7.33	13.90	12.58	0.00	12.58
11.35	7.83	0.00	7.83	13.95	12.09	0.00	12.09
11.40	8.37	0.00	8.37	14.00	11.67	0.00	11.67
11.45	8.97	0.00	8.97	14.05	11.30	0.00	11.30
11.50	9.61	0.00	9.61	14.10	10.96	0.00	10.96
11.55	10.29	0.00	10.29	14.15	10.67	0.00	10.67
11.60	11.05	0.00	11.05	14.20	10.42	0.00	10.42
11.65	11.93	0.00	11.93	14.25	10.18	0.00	10.18
11.70	12.97	0.00	12.97	14.30	9.97	0.00	9.97
11.75	14.25	0.00	14.25	14.35	9.77	0.00	9.77
11.80	15.82	0.00	15.82	14.40	9.58	0.00	9.58
11.85	17.69	0.00	17.69	14.45	9.39	0.00	9.39
11.90	19.94	0.00	19.94	14.50	9.22	0.00	9.22
11.95	22.70	0.00	22.70	14.55	9.05	0.00	9.05
12.00	26.22	0.00	26.22	14.60	8.88	0.00	8.88
12.05	30.90	0.00	30.90	14.65	8.71	0.00	8.71
12.10	37.29	0.00	37.29	14.70	8.56	0.00	8.56
12.15	45.97	0.00	45.97	14.75	8.40	0.00	8.40
12.20	56.93	0.00	56.93	14.80	8.24	0.00	8.24
12.25	69.22	0.00	69.22	14.85	8.08	0.00	8.08
12.30	81.21	0.00	81.21	14.90	7.93	0.00	7.93
12.35	90.87	0.00	90.87	14.95	7.77	0.00	7.77
12.40	96.36	0.00	96.36	15.00	7.61	0.00	7.61
12.45	**97.85**	0.00	**97.85**	15.05	7.46	0.00	7.46
12.50	95.72	0.00	95.72	15.10	7.30	0.00	7.30
12.55	90.78	0.00	90.78	15.15	7.15	0.00	7.15
12.60	84.10	0.00	84.10	15.20	6.99	0.00	6.99
12.65	76.60	0.00	76.60	15.25	6.85	0.00	6.85
12.70	69.13	0.00	69.13	15.30	6.70	0.00	6.70
12.75	62.48	0.00	62.48	15.35	6.56	0.00	6.56
12.80	56.52	0.00	56.52	15.40	6.43	0.00	6.43
12.85	51.16	0.00	51.16	15.45	6.32	0.00	6.32
12.90	46.33	0.00	46.33	15.50	6.21	0.00	6.21
12.95	42.07	0.00	42.07	15.55	6.12	0.00	6.12

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.04	0.00	6.04	18.20	3.76	0.00	3.76
15.65	5.97	0.00	5.97	18.25	3.72	0.00	3.72
15.70	5.90	0.00	5.90	18.30	3.68	0.00	3.68
15.75	5.85	0.00	5.85	18.35	3.64	0.00	3.64
15.80	5.79	0.00	5.79	18.40	3.61	0.00	3.61
15.85	5.74	0.00	5.74	18.45	3.58	0.00	3.58
15.90	5.69	0.00	5.69	18.50	3.55	0.00	3.55
15.95	5.64	0.00	5.64	18.55	3.53	0.00	3.53
16.00	5.59	0.00	5.59	18.60	3.50	0.00	3.50
16.05	5.54	0.00	5.54	18.65	3.48	0.00	3.48
16.10	5.50	0.00	5.50	18.70	3.47	0.00	3.47
16.15	5.46	0.00	5.46	18.75	3.45	0.00	3.45
16.20	5.41	0.00	5.41	18.80	3.44	0.00	3.44
16.25	5.37	0.00	5.37	18.85	3.42	0.00	3.42
16.30	5.33	0.00	5.33	18.90	3.41	0.00	3.41
16.35	5.29	0.00	5.29	18.95	3.40	0.00	3.40
16.40	5.25	0.00	5.25	19.00	3.39	0.00	3.39
16.45	5.21	0.00	5.21	19.05	3.38	0.00	3.38
16.50	5.17	0.00	5.17	19.10	3.36	0.00	3.36
16.55	5.13	0.00	5.13	19.15	3.35	0.00	3.35
16.60	5.09	0.00	5.09	19.20	3.34	0.00	3.34
16.65	5.04	0.00	5.04	19.25	3.33	0.00	3.33
16.70	5.00	0.00	5.00	19.30	3.32	0.00	3.32
16.75	4.96	0.00	4.96	19.35	3.31	0.00	3.31
16.80	4.92	0.00	4.92	19.40	3.30	0.00	3.30
16.85	4.88	0.00	4.88	19.45	3.29	0.00	3.29
16.90	4.84	0.00	4.84	19.50	3.28	0.00	3.28
16.95	4.80	0.00	4.80	19.55	3.27	0.00	3.27
17.00	4.76	0.00	4.76	19.60	3.26	0.00	3.26
17.05	4.71	0.00	4.71	19.65	3.25	0.00	3.25
17.10	4.67	0.00	4.67	19.70	3.24	0.00	3.24
17.15	4.63	0.00	4.63	19.75	3.23	0.00	3.23
17.20	4.59	0.00	4.59	19.80	3.22	0.00	3.22
17.25	4.55	0.00	4.55	19.85	3.21	0.00	3.21
17.30	4.51	0.00	4.51	19.90	3.20	0.00	3.20
17.35	4.47	0.00	4.47	19.95	3.19	0.00	3.19
17.40	4.43	0.00	4.43	20.00	3.18	0.00	3.18
17.45	4.39	0.00	4.39	20.05	3.17	0.00	3.17
17.50	4.34	0.00	4.34	20.10	3.16	0.00	3.16
17.55	4.30	0.00	4.30	20.15	3.15	0.00	3.15
17.60	4.26	0.00	4.26	20.20	3.14	0.00	3.14
17.65	4.22	0.00	4.22	20.25	3.13	0.00	3.13
17.70	4.18	0.00	4.18	20.30	3.12	0.00	3.12
17.75	4.13	0.00	4.13	20.35	3.11	0.00	3.11
17.80	4.09	0.00	4.09	20.40	3.10	0.00	3.10
17.85	4.05	0.00	4.05	20.45	3.08	0.00	3.08
17.90	4.01	0.00	4.01	20.50	3.07	0.00	3.07
17.95	3.97	0.00	3.97	20.55	3.06	0.00	3.06
18.00	3.93	0.00	3.93	20.60	3.05	0.00	3.05
18.05	3.89	0.00	3.89	20.65	3.04	0.00	3.04
18.10	3.84	0.00	3.84	20.70	3.03	0.00	3.03
18.15	3.80	0.00	3.80	20.75	3.02	0.00	3.02

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.01	0.00	3.01	23.40	2.47	0.00	2.47
20.85	3.00	0.00	3.00	23.45	2.46	0.00	2.46
20.90	2.99	0.00	2.99	23.50	2.45	0.00	2.45
20.95	2.98	0.00	2.98	23.55	2.44	0.00	2.44
21.00	2.97	0.00	2.97	23.60	2.43	0.00	2.43
21.05	2.96	0.00	2.96	23.65	2.42	0.00	2.42
21.10	2.95	0.00	2.95	23.70	2.41	0.00	2.41
21.15	2.94	0.00	2.94	23.75	2.39	0.00	2.39
21.20	2.93	0.00	2.93	23.80	2.38	0.00	2.38
21.25	2.92	0.00	2.92	23.85	2.37	0.00	2.37
21.30	2.91	0.00	2.91	23.90	2.36	0.00	2.36
21.35	2.90	0.00	2.90	23.95	2.35	0.00	2.35
21.40	2.89	0.00	2.89	24.00	2.35	0.00	2.35
21.45	2.88	0.00	2.88	24.05	2.34	0.00	2.34
21.50	2.87	0.00	2.87	24.10	2.33	0.00	2.33
21.55	2.86	0.00	2.86	24.15	2.31	0.00	2.31
21.60	2.85	0.00	2.85	24.20	2.25	0.00	2.25
21.65	2.84	0.00	2.84	24.25	2.13	0.00	2.13
21.70	2.83	0.00	2.83	24.30	1.95	0.00	1.95
21.75	2.82	0.00	2.82	24.35	1.73	0.00	1.73
21.80	2.81	0.00	2.81	24.40	1.48	0.00	1.48
21.85	2.79	0.00	2.79	24.45	1.23	0.00	1.23
21.90	2.78	0.00	2.78	24.50	1.00	0.00	1.00
21.95	2.77	0.00	2.77	24.55	0.80	0.00	0.80
22.00	2.76	0.00	2.76	24.60	0.62	0.00	0.62
22.05	2.75	0.00	2.75	24.65	0.49	0.00	0.49
22.10	2.74	0.00	2.74	24.70	0.39	0.00	0.39
22.15	2.73	0.00	2.73	24.75	0.31	0.00	0.31
22.20	2.72	0.00	2.72	24.80	0.25	0.00	0.25
22.25	2.71	0.00	2.71	24.85	0.19	0.00	0.19
22.30	2.70	0.00	2.70	24.90	0.15	0.00	0.15
22.35	2.69	0.00	2.69	24.95	0.12	0.00	0.12
22.40	2.68	0.00	2.68	25.00	0.10	0.00	0.10
22.45	2.67	0.00	2.67	25.05	0.08	0.00	0.08
22.50	2.66	0.00	2.66	25.10	0.06	0.00	0.06
22.55	2.65	0.00	2.65	25.15	0.05	0.00	0.05
22.60	2.64	0.00	2.64	25.20	0.04	0.00	0.04
22.65	2.63	0.00	2.63	25.25	0.03	0.00	0.03
22.70	2.62	0.00	2.62	25.30	0.02	0.00	0.02
22.75	2.61	0.00	2.61	25.35	0.02	0.00	0.02
22.80	2.60	0.00	2.60	25.40	0.01	0.00	0.01
22.85	2.59	0.00	2.59	25.45	0.01	0.00	0.01
22.90	2.57	0.00	2.57	25.50	0.01	0.00	0.01
22.95	2.56	0.00	2.56	25.55	0.00	0.00	0.00
23.00	2.55	0.00	2.55	25.60	0.00	0.00	0.00
23.05	2.54	0.00	2.54	25.65	0.00	0.00	0.00
23.10	2.53	0.00	2.53	25.70	0.00	0.00	0.00
23.15	2.52	0.00	2.52	25.75	0.00	0.00	0.00
23.20	2.51	0.00	2.51	25.80	0.00	0.00	0.00
23.25	2.50	0.00	2.50	25.85	0.00	0.00	0.00
23.30	2.49	0.00	2.49	25.90	0.00	0.00	0.00
23.35	2.48	0.00	2.48	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

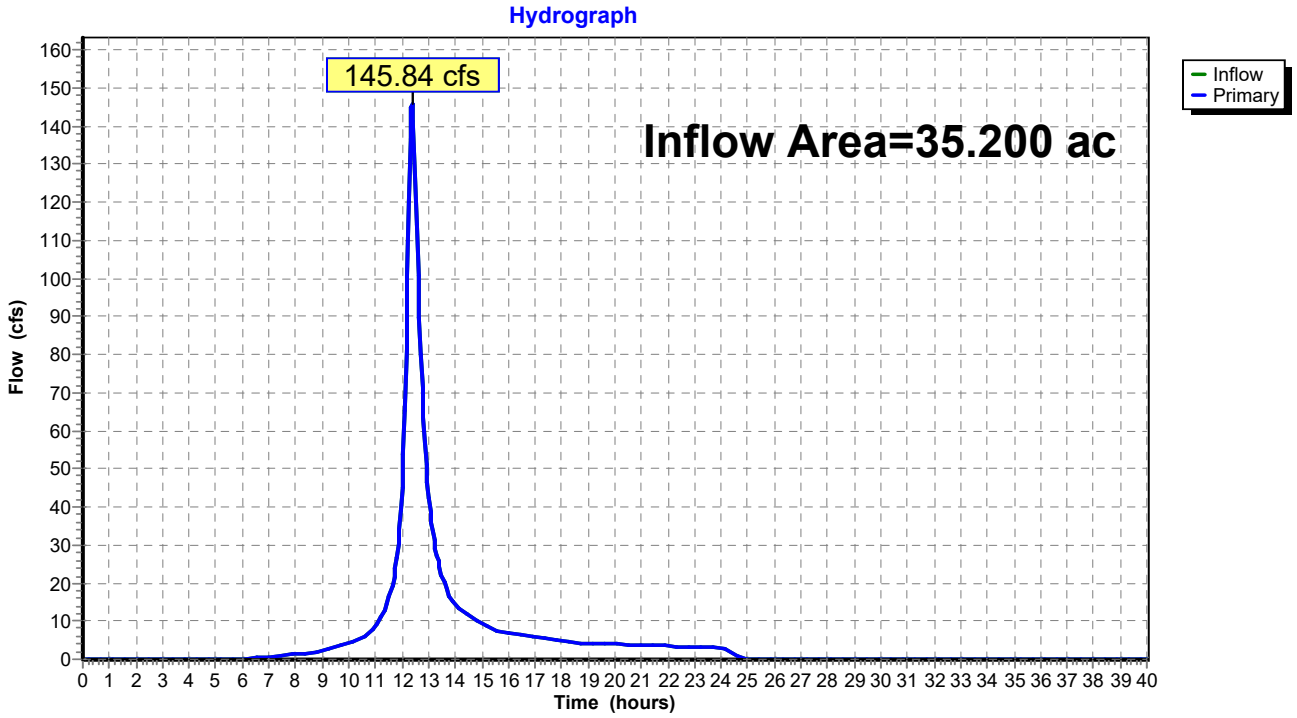
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 5.68" for Current 100 yr event
Inflow = 145.84 cfs @ 12.37 hrs, Volume= 16.660 af
Primary = 145.84 cfs @ 12.37 hrs, Volume= 16.660 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	1.13	0.00	1.13
5.25	0.00	0.00	0.00	7.85	1.17	0.00	1.17
5.30	0.00	0.00	0.00	7.90	1.21	0.00	1.21
5.35	0.00	0.00	0.00	7.95	1.25	0.00	1.25
5.40	0.00	0.00	0.00	8.00	1.29	0.00	1.29
5.45	0.00	0.00	0.00	8.05	1.34	0.00	1.34
5.50	0.00	0.00	0.00	8.10	1.38	0.00	1.38
5.55	0.00	0.00	0.00	8.15	1.42	0.00	1.42
5.60	0.00	0.00	0.00	8.20	1.47	0.00	1.47
5.65	0.00	0.00	0.00	8.25	1.52	0.00	1.52
5.70	0.00	0.00	0.00	8.30	1.56	0.00	1.56
5.75	0.01	0.00	0.01	8.35	1.61	0.00	1.61
5.80	0.02	0.00	0.02	8.40	1.65	0.00	1.65
5.85	0.02	0.00	0.02	8.45	1.70	0.00	1.70
5.90	0.04	0.00	0.04	8.50	1.75	0.00	1.75
5.95	0.05	0.00	0.05	8.55	1.80	0.00	1.80
6.00	0.07	0.00	0.07	8.60	1.85	0.00	1.85
6.05	0.08	0.00	0.08	8.65	1.90	0.00	1.90
6.10	0.10	0.00	0.10	8.70	1.95	0.00	1.95
6.15	0.12	0.00	0.12	8.75	2.00	0.00	2.00
6.20	0.14	0.00	0.14	8.80	2.05	0.00	2.05
6.25	0.16	0.00	0.16	8.85	2.10	0.00	2.10
6.30	0.18	0.00	0.18	8.90	2.15	0.00	2.15
6.35	0.20	0.00	0.20	8.95	2.20	0.00	2.20
6.40	0.23	0.00	0.23	9.00	2.26	0.00	2.26
6.45	0.25	0.00	0.25	9.05	2.31	0.00	2.31
6.50	0.27	0.00	0.27	9.10	2.37	0.00	2.37
6.55	0.30	0.00	0.30	9.15	2.42	0.00	2.42
6.60	0.32	0.00	0.32	9.20	2.49	0.00	2.49
6.65	0.35	0.00	0.35	9.25	2.55	0.00	2.55
6.70	0.38	0.00	0.38	9.30	2.63	0.00	2.63
6.75	0.41	0.00	0.41	9.35	2.72	0.00	2.72
6.80	0.43	0.00	0.43	9.40	2.81	0.00	2.81
6.85	0.46	0.00	0.46	9.45	2.91	0.00	2.91
6.90	0.49	0.00	0.49	9.50	3.01	0.00	3.01
6.95	0.52	0.00	0.52	9.55	3.12	0.00	3.12
7.00	0.55	0.00	0.55	9.60	3.24	0.00	3.24
7.05	0.58	0.00	0.58	9.65	3.36	0.00	3.36
7.10	0.62	0.00	0.62	9.70	3.48	0.00	3.48
7.15	0.65	0.00	0.65	9.75	3.60	0.00	3.60
7.20	0.68	0.00	0.68	9.80	3.73	0.00	3.73
7.25	0.72	0.00	0.72	9.85	3.87	0.00	3.87
7.30	0.75	0.00	0.75	9.90	4.00	0.00	4.00
7.35	0.79	0.00	0.79	9.95	4.14	0.00	4.14
7.40	0.82	0.00	0.82	10.00	4.28	0.00	4.28
7.45	0.86	0.00	0.86	10.05	4.43	0.00	4.43
7.50	0.89	0.00	0.89	10.10	4.57	0.00	4.57
7.55	0.93	0.00	0.93	10.15	4.73	0.00	4.73
7.60	0.97	0.00	0.97	10.20	4.88	0.00	4.88
7.65	1.01	0.00	1.01	10.25	5.03	0.00	5.03
7.70	1.05	0.00	1.05	10.30	5.19	0.00	5.19
7.75	1.09	0.00	1.09	10.35	5.35	0.00	5.35

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.52	0.00	5.52	13.00	42.24	0.00	42.24
10.45	5.68	0.00	5.68	13.05	38.83	0.00	38.83
10.50	5.85	0.00	5.85	13.10	35.93	0.00	35.93
10.55	6.03	0.00	6.03	13.15	33.40	0.00	33.40
10.60	6.21	0.00	6.21	13.20	31.13	0.00	31.13
10.65	6.40	0.00	6.40	13.25	29.10	0.00	29.10
10.70	6.63	0.00	6.63	13.30	27.28	0.00	27.28
10.75	6.89	0.00	6.89	13.35	25.65	0.00	25.65
10.80	7.19	0.00	7.19	13.40	24.18	0.00	24.18
10.85	7.54	0.00	7.54	13.45	22.86	0.00	22.86
10.90	7.93	0.00	7.93	13.50	21.65	0.00	21.65
10.95	8.36	0.00	8.36	13.55	20.54	0.00	20.54
11.00	8.82	0.00	8.82	13.60	19.55	0.00	19.55
11.05	9.32	0.00	9.32	13.65	18.63	0.00	18.63
11.10	9.84	0.00	9.84	13.70	17.77	0.00	17.77
11.15	10.40	0.00	10.40	13.75	16.97	0.00	16.97
11.20	11.02	0.00	11.02	13.80	16.23	0.00	16.23
11.25	11.70	0.00	11.70	13.85	15.57	0.00	15.57
11.30	12.45	0.00	12.45	13.90	14.99	0.00	14.99
11.35	13.28	0.00	13.28	13.95	14.49	0.00	14.49
11.40	14.19	0.00	14.19	14.00	14.06	0.00	14.06
11.45	15.15	0.00	15.15	14.05	13.69	0.00	13.69
11.50	16.17	0.00	16.17	14.10	13.37	0.00	13.37
11.55	17.26	0.00	17.26	14.15	13.08	0.00	13.08
11.60	18.47	0.00	18.47	14.20	12.80	0.00	12.80
11.65	19.94	0.00	19.94	14.25	12.55	0.00	12.55
11.70	21.80	0.00	21.80	14.30	12.31	0.00	12.31
11.75	24.11	0.00	24.11	14.35	12.09	0.00	12.09
11.80	26.88	0.00	26.88	14.40	11.87	0.00	11.87
11.85	30.15	0.00	30.15	14.45	11.65	0.00	11.65
11.90	34.05	0.00	34.05	14.50	11.44	0.00	11.44
11.95	38.93	0.00	38.93	14.55	11.24	0.00	11.24
12.00	45.31	0.00	45.31	14.60	11.03	0.00	11.03
12.05	53.72	0.00	53.72	14.65	10.83	0.00	10.83
12.10	65.54	0.00	65.54	14.70	10.63	0.00	10.63
12.15	81.52	0.00	81.52	14.75	10.43	0.00	10.43
12.20	100.78	0.00	100.78	14.80	10.23	0.00	10.23
12.25	120.71	0.00	120.71	14.85	10.03	0.00	10.03
12.30	136.66	0.00	136.66	14.90	9.83	0.00	9.83
12.35	**144.84**	0.00	**144.84**	14.95	9.63	0.00	9.63
12.40	144.80	0.00	144.80	15.00	9.43	0.00	9.43
12.45	138.18	0.00	138.18	15.05	9.23	0.00	9.23
12.50	127.18	0.00	127.18	15.10	9.03	0.00	9.03
12.55	113.93	0.00	113.93	15.15	8.83	0.00	8.83
12.60	100.93	0.00	100.93	15.20	8.63	0.00	8.63
12.65	89.67	0.00	89.67	15.25	8.44	0.00	8.44
12.70	79.96	0.00	79.96	15.30	8.26	0.00	8.26
12.75	71.30	0.00	71.30	15.35	8.10	0.00	8.10
12.80	63.62	0.00	63.62	15.40	7.96	0.00	7.96
12.85	56.96	0.00	56.96	15.45	7.83	0.00	7.83
12.90	51.23	0.00	51.23	15.50	7.72	0.00	7.72
12.95	46.34	0.00	46.34	15.55	7.62	0.00	7.62

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.54	0.00	7.54	18.20	4.69	0.00	4.69
15.65	7.46	0.00	7.46	18.25	4.64	0.00	4.64
15.70	7.39	0.00	7.39	18.30	4.59	0.00	4.59
15.75	7.33	0.00	7.33	18.35	4.55	0.00	4.55
15.80	7.27	0.00	7.27	18.40	4.51	0.00	4.51
15.85	7.20	0.00	7.20	18.45	4.47	0.00	4.47
15.90	7.14	0.00	7.14	18.50	4.44	0.00	4.44
15.95	7.09	0.00	7.09	18.55	4.42	0.00	4.42
16.00	7.03	0.00	7.03	18.60	4.40	0.00	4.40
16.05	6.98	0.00	6.98	18.65	4.38	0.00	4.38
16.10	6.92	0.00	6.92	18.70	4.36	0.00	4.36
16.15	6.87	0.00	6.87	18.75	4.34	0.00	4.34
16.20	6.81	0.00	6.81	18.80	4.33	0.00	4.33
16.25	6.76	0.00	6.76	18.85	4.31	0.00	4.31
16.30	6.71	0.00	6.71	18.90	4.30	0.00	4.30
16.35	6.66	0.00	6.66	18.95	4.28	0.00	4.28
16.40	6.61	0.00	6.61	19.00	4.27	0.00	4.27
16.45	6.55	0.00	6.55	19.05	4.25	0.00	4.25
16.50	6.50	0.00	6.50	19.10	4.24	0.00	4.24
16.55	6.45	0.00	6.45	19.15	4.23	0.00	4.23
16.60	6.39	0.00	6.39	19.20	4.21	0.00	4.21
16.65	6.34	0.00	6.34	19.25	4.20	0.00	4.20
16.70	6.29	0.00	6.29	19.30	4.19	0.00	4.19
16.75	6.23	0.00	6.23	19.35	4.17	0.00	4.17
16.80	6.18	0.00	6.18	19.40	4.16	0.00	4.16
16.85	6.13	0.00	6.13	19.45	4.15	0.00	4.15
16.90	6.08	0.00	6.08	19.50	4.13	0.00	4.13
16.95	6.02	0.00	6.02	19.55	4.12	0.00	4.12
17.00	5.97	0.00	5.97	19.60	4.11	0.00	4.11
17.05	5.92	0.00	5.92	19.65	4.09	0.00	4.09
17.10	5.86	0.00	5.86	19.70	4.08	0.00	4.08
17.15	5.81	0.00	5.81	19.75	4.07	0.00	4.07
17.20	5.76	0.00	5.76	19.80	4.05	0.00	4.05
17.25	5.71	0.00	5.71	19.85	4.04	0.00	4.04
17.30	5.65	0.00	5.65	19.90	4.03	0.00	4.03
17.35	5.60	0.00	5.60	19.95	4.02	0.00	4.02
17.40	5.55	0.00	5.55	20.00	4.01	0.00	4.01
17.45	5.49	0.00	5.49	20.05	3.99	0.00	3.99
17.50	5.44	0.00	5.44	20.10	3.98	0.00	3.98
17.55	5.38	0.00	5.38	20.15	3.97	0.00	3.97
17.60	5.33	0.00	5.33	20.20	3.95	0.00	3.95
17.65	5.28	0.00	5.28	20.25	3.94	0.00	3.94
17.70	5.22	0.00	5.22	20.30	3.92	0.00	3.92
17.75	5.17	0.00	5.17	20.35	3.91	0.00	3.91
17.80	5.12	0.00	5.12	20.40	3.89	0.00	3.89
17.85	5.06	0.00	5.06	20.45	3.88	0.00	3.88
17.90	5.01	0.00	5.01	20.50	3.87	0.00	3.87
17.95	4.96	0.00	4.96	20.55	3.85	0.00	3.85
18.00	4.90	0.00	4.90	20.60	3.84	0.00	3.84
18.05	4.85	0.00	4.85	20.65	3.83	0.00	3.83
18.10	4.80	0.00	4.80	20.70	3.82	0.00	3.82
18.15	4.74	0.00	4.74	20.75	3.80	0.00	3.80

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.79	0.00	3.79	23.40	3.09	0.00	3.09
20.85	3.78	0.00	3.78	23.45	3.08	0.00	3.08
20.90	3.77	0.00	3.77	23.50	3.06	0.00	3.06
20.95	3.75	0.00	3.75	23.55	3.05	0.00	3.05
21.00	3.74	0.00	3.74	23.60	3.04	0.00	3.04
21.05	3.72	0.00	3.72	23.65	3.02	0.00	3.02
21.10	3.71	0.00	3.71	23.70	3.01	0.00	3.01
21.15	3.69	0.00	3.69	23.75	3.00	0.00	3.00
21.20	3.68	0.00	3.68	23.80	2.98	0.00	2.98
21.25	3.67	0.00	3.67	23.85	2.97	0.00	2.97
21.30	3.65	0.00	3.65	23.90	2.96	0.00	2.96
21.35	3.64	0.00	3.64	23.95	2.95	0.00	2.95
21.40	3.63	0.00	3.63	24.00	2.94	0.00	2.94
21.45	3.62	0.00	3.62	24.05	2.94	0.00	2.94
21.50	3.60	0.00	3.60	24.10	2.94	0.00	2.94
21.55	3.59	0.00	3.59	24.15	2.90	0.00	2.90
21.60	3.58	0.00	3.58	24.20	2.76	0.00	2.76
21.65	3.56	0.00	3.56	24.25	2.50	0.00	2.50
21.70	3.55	0.00	3.55	24.30	2.15	0.00	2.15
21.75	3.53	0.00	3.53	24.35	1.77	0.00	1.77
21.80	3.52	0.00	3.52	24.40	1.40	0.00	1.40
21.85	3.51	0.00	3.51	24.45	1.07	0.00	1.07
21.90	3.50	0.00	3.50	24.50	0.80	0.00	0.80
21.95	3.48	0.00	3.48	24.55	0.60	0.00	0.60
22.00	3.47	0.00	3.47	24.60	0.46	0.00	0.46
22.05	3.46	0.00	3.46	24.65	0.35	0.00	0.35
22.10	3.44	0.00	3.44	24.70	0.26	0.00	0.26
22.15	3.43	0.00	3.43	24.75	0.20	0.00	0.20
22.20	3.42	0.00	3.42	24.80	0.15	0.00	0.15
22.25	3.40	0.00	3.40	24.85	0.11	0.00	0.11
22.30	3.39	0.00	3.39	24.90	0.08	0.00	0.08
22.35	3.38	0.00	3.38	24.95	0.06	0.00	0.06
22.40	3.36	0.00	3.36	25.00	0.05	0.00	0.05
22.45	3.35	0.00	3.35	25.05	0.04	0.00	0.04
22.50	3.34	0.00	3.34	25.10	0.03	0.00	0.03
22.55	3.32	0.00	3.32	25.15	0.02	0.00	0.02
22.60	3.31	0.00	3.31	25.20	0.01	0.00	0.01
22.65	3.29	0.00	3.29	25.25	0.01	0.00	0.01
22.70	3.28	0.00	3.28	25.30	0.01	0.00	0.01
22.75	3.27	0.00	3.27	25.35	0.00	0.00	0.00
22.80	3.26	0.00	3.26	25.40	0.00	0.00	0.00
22.85	3.24	0.00	3.24	25.45	0.00	0.00	0.00
22.90	3.23	0.00	3.23	25.50	0.00	0.00	0.00
22.95	3.21	0.00	3.21	25.55	0.00	0.00	0.00
23.00	3.20	0.00	3.20	25.60	0.00	0.00	0.00
23.05	3.18	0.00	3.18	25.65	0.00	0.00	0.00
23.10	3.17	0.00	3.17	25.70	0.00	0.00	0.00
23.15	3.16	0.00	3.16	25.75	0.00	0.00	0.00
23.20	3.15	0.00	3.15	25.80	0.00	0.00	0.00
23.25	3.13	0.00	3.13	25.85	0.00	0.00	0.00
23.30	3.12	0.00	3.12	25.90	0.00	0.00	0.00
23.35	3.10	0.00	3.10	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

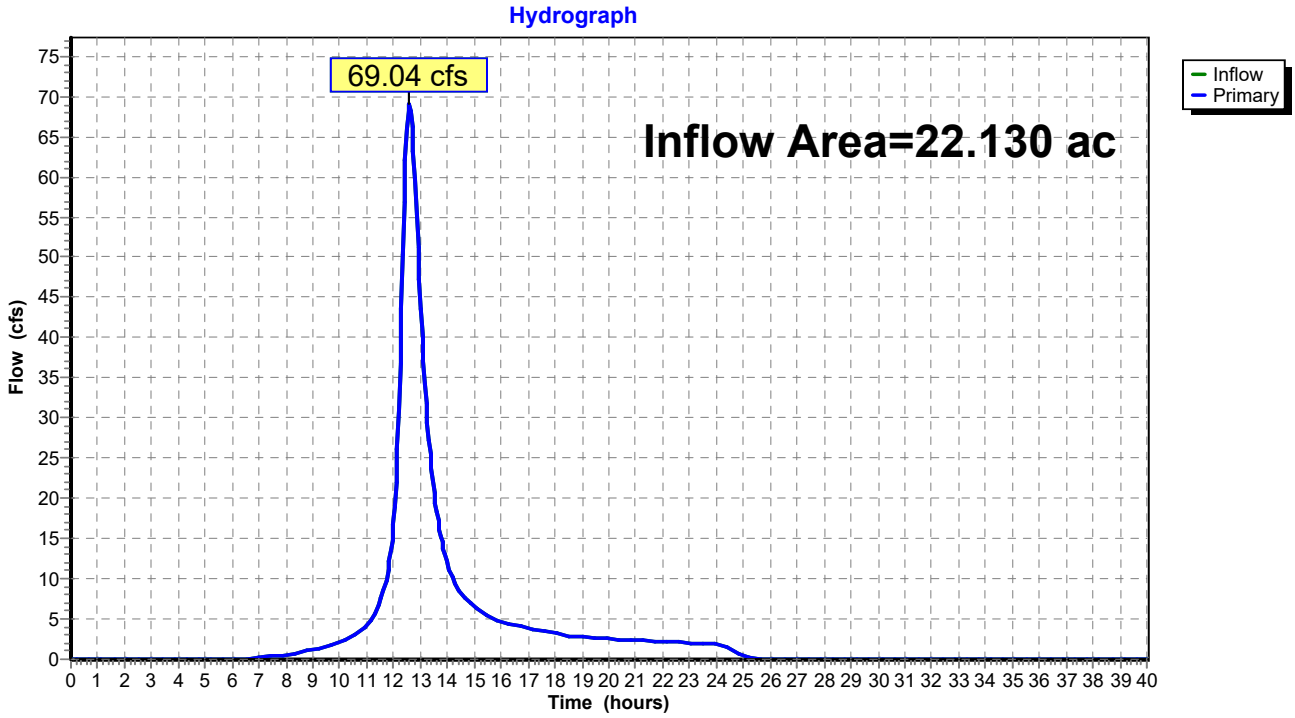
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 5.56" for Current 100 yr event
Inflow = 69.04 cfs @ 12.60 hrs, Volume= 10.253 af
Primary = 69.04 cfs @ 12.60 hrs, Volume= 10.253 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.49	0.00	0.49
5.25	0.00	0.00	0.00	7.85	0.51	0.00	0.51
5.30	0.00	0.00	0.00	7.90	0.53	0.00	0.53
5.35	0.00	0.00	0.00	7.95	0.56	0.00	0.56
5.40	0.00	0.00	0.00	8.00	0.58	0.00	0.58
5.45	0.00	0.00	0.00	8.05	0.60	0.00	0.60
5.50	0.00	0.00	0.00	8.10	0.63	0.00	0.63
5.55	0.00	0.00	0.00	8.15	0.65	0.00	0.65
5.60	0.00	0.00	0.00	8.20	0.68	0.00	0.68
5.65	0.00	0.00	0.00	8.25	0.70	0.00	0.70
5.70	0.00	0.00	0.00	8.30	0.73	0.00	0.73
5.75	0.00	0.00	0.00	8.35	0.76	0.00	0.76
5.80	0.00	0.00	0.00	8.40	0.78	0.00	0.78
5.85	0.00	0.00	0.00	8.45	0.81	0.00	0.81
5.90	0.00	0.00	0.00	8.50	0.84	0.00	0.84
5.95	0.00	0.00	0.00	8.55	0.86	0.00	0.86
6.00	0.00	0.00	0.00	8.60	0.89	0.00	0.89
6.05	0.00	0.00	0.00	8.65	0.92	0.00	0.92
6.10	0.00	0.00	0.00	8.70	0.95	0.00	0.95
6.15	0.01	0.00	0.01	8.75	0.98	0.00	0.98
6.20	0.01	0.00	0.01	8.80	1.01	0.00	1.01
6.25	0.01	0.00	0.01	8.85	1.04	0.00	1.04
6.30	0.02	0.00	0.02	8.90	1.07	0.00	1.07
6.35	0.02	0.00	0.02	8.95	1.10	0.00	1.10
6.40	0.03	0.00	0.03	9.00	1.13	0.00	1.13
6.45	0.04	0.00	0.04	9.05	1.16	0.00	1.16
6.50	0.05	0.00	0.05	9.10	1.19	0.00	1.19
6.55	0.06	0.00	0.06	9.15	1.22	0.00	1.22
6.60	0.07	0.00	0.07	9.20	1.25	0.00	1.25
6.65	0.08	0.00	0.08	9.25	1.29	0.00	1.29
6.70	0.09	0.00	0.09	9.30	1.32	0.00	1.32
6.75	0.11	0.00	0.11	9.35	1.36	0.00	1.36
6.80	0.12	0.00	0.12	9.40	1.40	0.00	1.40
6.85	0.13	0.00	0.13	9.45	1.44	0.00	1.44
6.90	0.15	0.00	0.15	9.50	1.49	0.00	1.49
6.95	0.16	0.00	0.16	9.55	1.54	0.00	1.54
7.00	0.18	0.00	0.18	9.60	1.59	0.00	1.59
7.05	0.20	0.00	0.20	9.65	1.65	0.00	1.65
7.10	0.21	0.00	0.21	9.70	1.70	0.00	1.70
7.15	0.23	0.00	0.23	9.75	1.77	0.00	1.77
7.20	0.25	0.00	0.25	9.80	1.83	0.00	1.83
7.25	0.26	0.00	0.26	9.85	1.90	0.00	1.90
7.30	0.28	0.00	0.28	9.90	1.97	0.00	1.97
7.35	0.30	0.00	0.30	9.95	2.04	0.00	2.04
7.40	0.32	0.00	0.32	10.00	2.11	0.00	2.11
7.45	0.34	0.00	0.34	10.05	2.19	0.00	2.19
7.50	0.36	0.00	0.36	10.10	2.27	0.00	2.27
7.55	0.38	0.00	0.38	10.15	2.35	0.00	2.35
7.60	0.40	0.00	0.40	10.20	2.43	0.00	2.43
7.65	0.42	0.00	0.42	10.25	2.51	0.00	2.51
7.70	0.44	0.00	0.44	10.30	2.60	0.00	2.60
7.75	0.46	0.00	0.46	10.35	2.69	0.00	2.69

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.78	0.00	2.78	13.00	43.48	0.00	43.48
10.45	2.87	0.00	2.87	13.05	40.08	0.00	40.08
10.50	2.96	0.00	2.96	13.10	37.05	0.00	37.05
10.55	3.06	0.00	3.06	13.15	34.24	0.00	34.24
10.60	3.15	0.00	3.15	13.20	31.70	0.00	31.70
10.65	3.26	0.00	3.26	13.25	29.38	0.00	29.38
10.70	3.36	0.00	3.36	13.30	27.30	0.00	27.30
10.75	3.48	0.00	3.48	13.35	25.39	0.00	25.39
10.80	3.59	0.00	3.59	13.40	23.70	0.00	23.70
10.85	3.73	0.00	3.73	13.45	22.14	0.00	22.14
10.90	3.87	0.00	3.87	13.50	20.74	0.00	20.74
10.95	4.04	0.00	4.04	13.55	19.44	0.00	19.44
11.00	4.22	0.00	4.22	13.60	18.28	0.00	18.28
11.05	4.42	0.00	4.42	13.65	17.20	0.00	17.20
11.10	4.64	0.00	4.64	13.70	16.22	0.00	16.22
11.15	4.88	0.00	4.88	13.75	15.32	0.00	15.32
11.20	5.14	0.00	5.14	13.80	14.49	0.00	14.49
11.25	5.43	0.00	5.43	13.85	13.73	0.00	13.73
11.30	5.73	0.00	5.73	13.90	13.03	0.00	13.03
11.35	6.07	0.00	6.07	13.95	12.39	0.00	12.39
11.40	6.44	0.00	6.44	14.00	11.79	0.00	11.79
11.45	6.85	0.00	6.85	14.05	11.26	0.00	11.26
11.50	7.28	0.00	7.28	14.10	10.78	0.00	10.78
11.55	7.76	0.00	7.76	14.15	10.35	0.00	10.35
11.60	8.27	0.00	8.27	14.20	9.95	0.00	9.95
11.65	8.85	0.00	8.85	14.25	9.60	0.00	9.60
11.70	9.50	0.00	9.50	14.30	9.27	0.00	9.27
11.75	10.25	0.00	10.25	14.35	8.98	0.00	8.98
11.80	11.12	0.00	11.12	14.40	8.69	0.00	8.69
11.85	12.16	0.00	12.16	14.45	8.45	0.00	8.45
11.90	13.41	0.00	13.41	14.50	8.21	0.00	8.21
11.95	14.90	0.00	14.90	14.55	8.01	0.00	8.01
12.00	16.74	0.00	16.74	14.60	7.81	0.00	7.81
12.05	19.05	0.00	19.05	14.65	7.64	0.00	7.64
12.10	22.10	0.00	22.10	14.70	7.46	0.00	7.46
12.15	26.09	0.00	26.09	14.75	7.31	0.00	7.31
12.20	31.03	0.00	31.03	14.80	7.15	0.00	7.15
12.25	36.90	0.00	36.90	14.85	7.01	0.00	7.01
12.30	43.46	0.00	43.46	14.90	6.86	0.00	6.86
12.35	50.32	0.00	50.32	14.95	6.73	0.00	6.73
12.40	56.78	0.00	56.78	15.00	6.59	0.00	6.59
12.45	62.13	0.00	62.13	15.05	6.46	0.00	6.46
12.50	66.10	0.00	66.10	15.10	6.32	0.00	6.32
12.55	68.26	0.00	68.26	15.15	6.19	0.00	6.19
12.60	**69.04**	0.00	**69.04**	15.20	6.06	0.00	6.06
12.65	68.14	0.00	68.14	15.25	5.93	0.00	5.93
12.70	66.24	0.00	66.24	15.30	5.80	0.00	5.80
12.75	63.24	0.00	63.24	15.35	5.68	0.00	5.68
12.80	59.61	0.00	59.61	15.40	5.56	0.00	5.56
12.85	55.41	0.00	55.41	15.45	5.45	0.00	5.45
12.90	51.22	0.00	51.22	15.50	5.34	0.00	5.34
12.95	47.18	0.00	47.18	15.55	5.24	0.00	5.24

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.15	0.00	5.15	18.20	3.10	0.00	3.10
15.65	5.07	0.00	5.07	18.25	3.07	0.00	3.07
15.70	4.99	0.00	4.99	18.30	3.03	0.00	3.03
15.75	4.92	0.00	4.92	18.35	3.00	0.00	3.00
15.80	4.85	0.00	4.85	18.40	2.97	0.00	2.97
15.85	4.79	0.00	4.79	18.45	2.94	0.00	2.94
15.90	4.74	0.00	4.74	18.50	2.91	0.00	2.91
15.95	4.68	0.00	4.68	18.55	2.89	0.00	2.89
16.00	4.64	0.00	4.64	18.60	2.86	0.00	2.86
16.05	4.59	0.00	4.59	18.65	2.84	0.00	2.84
16.10	4.55	0.00	4.55	18.70	2.82	0.00	2.82
16.15	4.50	0.00	4.50	18.75	2.80	0.00	2.80
16.20	4.46	0.00	4.46	18.80	2.78	0.00	2.78
16.25	4.42	0.00	4.42	18.85	2.77	0.00	2.77
16.30	4.38	0.00	4.38	18.90	2.75	0.00	2.75
16.35	4.34	0.00	4.34	18.95	2.74	0.00	2.74
16.40	4.31	0.00	4.31	19.00	2.73	0.00	2.73
16.45	4.27	0.00	4.27	19.05	2.71	0.00	2.71
16.50	4.24	0.00	4.24	19.10	2.70	0.00	2.70
16.55	4.20	0.00	4.20	19.15	2.69	0.00	2.69
16.60	4.17	0.00	4.17	19.20	2.68	0.00	2.68
16.65	4.13	0.00	4.13	19.25	2.67	0.00	2.67
16.70	4.10	0.00	4.10	19.30	2.66	0.00	2.66
16.75	4.06	0.00	4.06	19.35	2.65	0.00	2.65
16.80	4.03	0.00	4.03	19.40	2.64	0.00	2.64
16.85	4.00	0.00	4.00	19.45	2.63	0.00	2.63
16.90	3.96	0.00	3.96	19.50	2.63	0.00	2.63
16.95	3.93	0.00	3.93	19.55	2.61	0.00	2.61
17.00	3.90	0.00	3.90	19.60	2.61	0.00	2.61
17.05	3.86	0.00	3.86	19.65	2.60	0.00	2.60
17.10	3.83	0.00	3.83	19.70	2.59	0.00	2.59
17.15	3.80	0.00	3.80	19.75	2.58	0.00	2.58
17.20	3.76	0.00	3.76	19.80	2.57	0.00	2.57
17.25	3.73	0.00	3.73	19.85	2.56	0.00	2.56
17.30	3.70	0.00	3.70	19.90	2.56	0.00	2.56
17.35	3.67	0.00	3.67	19.95	2.55	0.00	2.55
17.40	3.63	0.00	3.63	20.00	2.54	0.00	2.54
17.45	3.60	0.00	3.60	20.05	2.53	0.00	2.53
17.50	3.57	0.00	3.57	20.10	2.52	0.00	2.52
17.55	3.53	0.00	3.53	20.15	2.51	0.00	2.51
17.60	3.50	0.00	3.50	20.20	2.51	0.00	2.51
17.65	3.47	0.00	3.47	20.25	2.50	0.00	2.50
17.70	3.43	0.00	3.43	20.30	2.49	0.00	2.49
17.75	3.40	0.00	3.40	20.35	2.48	0.00	2.48
17.80	3.37	0.00	3.37	20.40	2.48	0.00	2.48
17.85	3.33	0.00	3.33	20.45	2.47	0.00	2.47
17.90	3.30	0.00	3.30	20.50	2.46	0.00	2.46
17.95	3.27	0.00	3.27	20.55	2.45	0.00	2.45
18.00	3.23	0.00	3.23	20.60	2.44	0.00	2.44
18.05	3.20	0.00	3.20	20.65	2.43	0.00	2.43
18.10	3.17	0.00	3.17	20.70	2.42	0.00	2.42
18.15	3.14	0.00	3.14	20.75	2.42	0.00	2.42

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.41	0.00	2.41	23.40	1.97	0.00	1.97
20.85	2.40	0.00	2.40	23.45	1.96	0.00	1.96
20.90	2.39	0.00	2.39	23.50	1.96	0.00	1.96
20.95	2.38	0.00	2.38	23.55	1.95	0.00	1.95
21.00	2.38	0.00	2.38	23.60	1.94	0.00	1.94
21.05	2.37	0.00	2.37	23.65	1.93	0.00	1.93
21.10	2.36	0.00	2.36	23.70	1.92	0.00	1.92
21.15	2.35	0.00	2.35	23.75	1.91	0.00	1.91
21.20	2.34	0.00	2.34	23.80	1.91	0.00	1.91
21.25	2.33	0.00	2.33	23.85	1.90	0.00	1.90
21.30	2.32	0.00	2.32	23.90	1.89	0.00	1.89
21.35	2.32	0.00	2.32	23.95	1.88	0.00	1.88
21.40	2.31	0.00	2.31	24.00	1.88	0.00	1.88
21.45	2.30	0.00	2.30	24.05	1.87	0.00	1.87
21.50	2.29	0.00	2.29	24.10	1.86	0.00	1.86
21.55	2.28	0.00	2.28	24.15	1.85	0.00	1.85
21.60	2.27	0.00	2.27	24.20	1.83	0.00	1.83
21.65	2.27	0.00	2.27	24.25	1.79	0.00	1.79
21.70	2.26	0.00	2.26	24.30	1.74	0.00	1.74
21.75	2.25	0.00	2.25	24.35	1.66	0.00	1.66
21.80	2.24	0.00	2.24	24.40	1.56	0.00	1.56
21.85	2.23	0.00	2.23	24.45	1.43	0.00	1.43
21.90	2.22	0.00	2.22	24.50	1.30	0.00	1.30
21.95	2.22	0.00	2.22	24.55	1.16	0.00	1.16
22.00	2.21	0.00	2.21	24.60	1.02	0.00	1.02
22.05	2.20	0.00	2.20	24.65	0.88	0.00	0.88
22.10	2.19	0.00	2.19	24.70	0.75	0.00	0.75
22.15	2.18	0.00	2.18	24.75	0.64	0.00	0.64
22.20	2.17	0.00	2.17	24.80	0.54	0.00	0.54
22.25	2.17	0.00	2.17	24.85	0.45	0.00	0.45
22.30	2.16	0.00	2.16	24.90	0.38	0.00	0.38
22.35	2.15	0.00	2.15	24.95	0.32	0.00	0.32
22.40	2.14	0.00	2.14	25.00	0.27	0.00	0.27
22.45	2.13	0.00	2.13	25.05	0.23	0.00	0.23
22.50	2.13	0.00	2.13	25.10	0.19	0.00	0.19
22.55	2.12	0.00	2.12	25.15	0.16	0.00	0.16
22.60	2.11	0.00	2.11	25.20	0.14	0.00	0.14
22.65	2.10	0.00	2.10	25.25	0.12	0.00	0.12
22.70	2.09	0.00	2.09	25.30	0.10	0.00	0.10
22.75	2.08	0.00	2.08	25.35	0.08	0.00	0.08
22.80	2.07	0.00	2.07	25.40	0.07	0.00	0.07
22.85	2.07	0.00	2.07	25.45	0.06	0.00	0.06
22.90	2.06	0.00	2.06	25.50	0.05	0.00	0.05
22.95	2.05	0.00	2.05	25.55	0.04	0.00	0.04
23.00	2.04	0.00	2.04	25.60	0.03	0.00	0.03
23.05	2.03	0.00	2.03	25.65	0.03	0.00	0.03
23.10	2.02	0.00	2.02	25.70	0.02	0.00	0.02
23.15	2.02	0.00	2.02	25.75	0.02	0.00	0.02
23.20	2.01	0.00	2.01	25.80	0.02	0.00	0.02
23.25	2.00	0.00	2.00	25.85	0.01	0.00	0.01
23.30	1.99	0.00	1.99	25.90	0.01	0.00	0.01
23.35	1.98	0.00	1.98	25.95	0.01	0.00	0.01

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.01	0.00	0.01	28.60	0.00	0.00	0.00
26.05	0.01	0.00	0.01	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

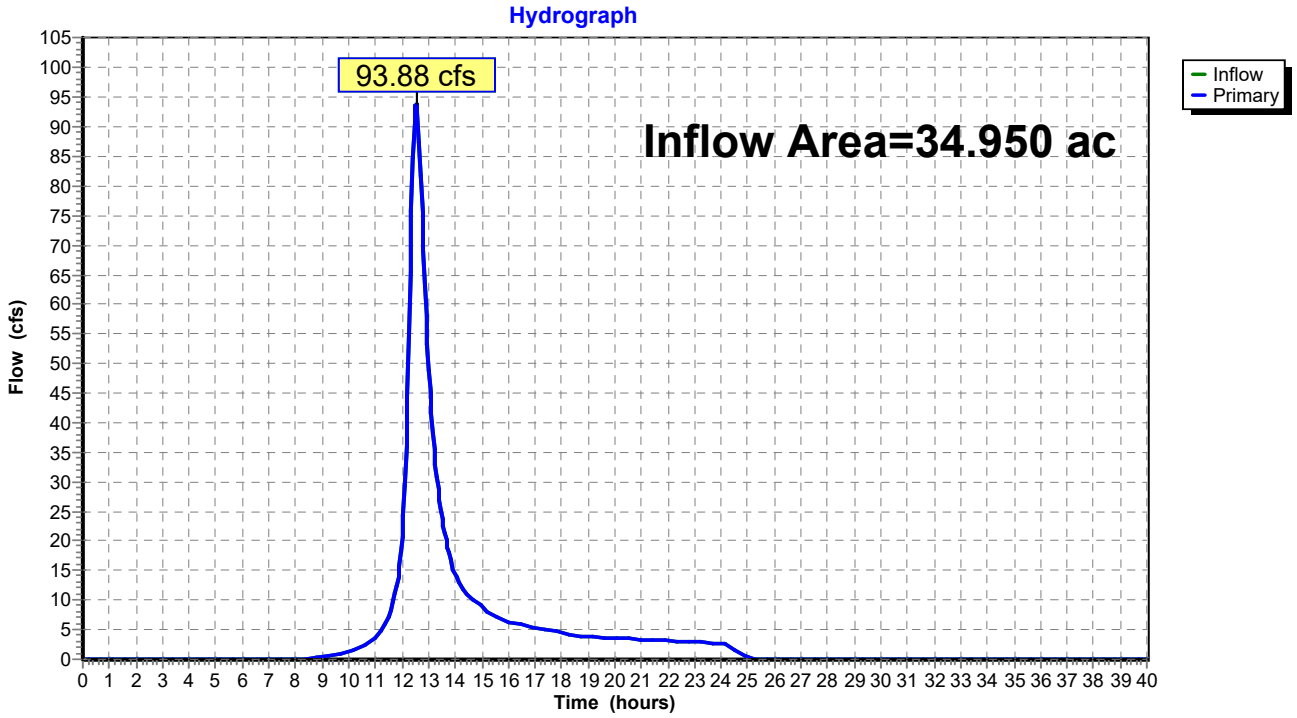
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 4.38" for Current 100 yr event
Inflow = 93.88 cfs @ 12.53 hrs, Volume= 12.749 af
Primary = 93.88 cfs @ 12.53 hrs, Volume= 12.749 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.01	0.00	0.01
5.65	0.00	0.00	0.00	8.25	0.01	0.00	0.01
5.70	0.00	0.00	0.00	8.30	0.02	0.00	0.02
5.75	0.00	0.00	0.00	8.35	0.03	0.00	0.03
5.80	0.00	0.00	0.00	8.40	0.04	0.00	0.04
5.85	0.00	0.00	0.00	8.45	0.05	0.00	0.05
5.90	0.00	0.00	0.00	8.50	0.07	0.00	0.07
5.95	0.00	0.00	0.00	8.55	0.09	0.00	0.09
6.00	0.00	0.00	0.00	8.60	0.11	0.00	0.11
6.05	0.00	0.00	0.00	8.65	0.13	0.00	0.13
6.10	0.00	0.00	0.00	8.70	0.15	0.00	0.15
6.15	0.00	0.00	0.00	8.75	0.18	0.00	0.18
6.20	0.00	0.00	0.00	8.80	0.20	0.00	0.20
6.25	0.00	0.00	0.00	8.85	0.23	0.00	0.23
6.30	0.00	0.00	0.00	8.90	0.26	0.00	0.26
6.35	0.00	0.00	0.00	8.95	0.29	0.00	0.29
6.40	0.00	0.00	0.00	9.00	0.31	0.00	0.31
6.45	0.00	0.00	0.00	9.05	0.34	0.00	0.34
6.50	0.00	0.00	0.00	9.10	0.37	0.00	0.37
6.55	0.00	0.00	0.00	9.15	0.40	0.00	0.40
6.60	0.00	0.00	0.00	9.20	0.44	0.00	0.44
6.65	0.00	0.00	0.00	9.25	0.47	0.00	0.47
6.70	0.00	0.00	0.00	9.30	0.50	0.00	0.50
6.75	0.00	0.00	0.00	9.35	0.54	0.00	0.54
6.80	0.00	0.00	0.00	9.40	0.58	0.00	0.58
6.85	0.00	0.00	0.00	9.45	0.62	0.00	0.62
6.90	0.00	0.00	0.00	9.50	0.66	0.00	0.66
6.95	0.00	0.00	0.00	9.55	0.71	0.00	0.71
7.00	0.00	0.00	0.00	9.60	0.75	0.00	0.75
7.05	0.00	0.00	0.00	9.65	0.81	0.00	0.81
7.10	0.00	0.00	0.00	9.70	0.86	0.00	0.86
7.15	0.00	0.00	0.00	9.75	0.92	0.00	0.92
7.20	0.00	0.00	0.00	9.80	0.98	0.00	0.98
7.25	0.00	0.00	0.00	9.85	1.04	0.00	1.04
7.30	0.00	0.00	0.00	9.90	1.11	0.00	1.11
7.35	0.00	0.00	0.00	9.95	1.18	0.00	1.18
7.40	0.00	0.00	0.00	10.00	1.25	0.00	1.25
7.45	0.00	0.00	0.00	10.05	1.32	0.00	1.32
7.50	0.00	0.00	0.00	10.10	1.40	0.00	1.40
7.55	0.00	0.00	0.00	10.15	1.49	0.00	1.49
7.60	0.00	0.00	0.00	10.20	1.57	0.00	1.57
7.65	0.00	0.00	0.00	10.25	1.66	0.00	1.66
7.70	0.00	0.00	0.00	10.30	1.75	0.00	1.75
7.75	0.00	0.00	0.00	10.35	1.84	0.00	1.84

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.94	0.00	1.94	13.00	48.92	0.00	48.92
10.45	2.04	0.00	2.04	13.05	44.99	0.00	44.99
10.50	2.14	0.00	2.14	13.10	41.48	0.00	41.48
10.55	2.25	0.00	2.25	13.15	38.31	0.00	38.31
10.60	2.36	0.00	2.36	13.20	35.49	0.00	35.49
10.65	2.47	0.00	2.47	13.25	33.01	0.00	33.01
10.70	2.60	0.00	2.60	13.30	30.74	0.00	30.74
10.75	2.73	0.00	2.73	13.35	28.75	0.00	28.75
10.80	2.87	0.00	2.87	13.40	26.92	0.00	26.92
10.85	3.04	0.00	3.04	13.45	25.27	0.00	25.27
10.90	3.21	0.00	3.21	13.50	23.80	0.00	23.80
10.95	3.41	0.00	3.41	13.55	22.43	0.00	22.43
11.00	3.63	0.00	3.63	13.60	21.21	0.00	21.21
11.05	3.87	0.00	3.87	13.65	20.06	0.00	20.06
11.10	4.13	0.00	4.13	13.70	19.01	0.00	19.01
11.15	4.42	0.00	4.42	13.75	18.05	0.00	18.05
11.20	4.74	0.00	4.74	13.80	17.15	0.00	17.15
11.25	5.08	0.00	5.08	13.85	16.33	0.00	16.33
11.30	5.46	0.00	5.46	13.90	15.57	0.00	15.57
11.35	5.88	0.00	5.88	13.95	14.87	0.00	14.87
11.40	6.33	0.00	6.33	14.00	14.25	0.00	14.25
11.45	6.83	0.00	6.83	14.05	13.67	0.00	13.67
11.50	7.38	0.00	7.38	14.10	13.17	0.00	13.17
11.55	7.97	0.00	7.97	14.15	12.71	0.00	12.71
11.60	8.63	0.00	8.63	14.20	12.31	0.00	12.31
11.65	9.38	0.00	9.38	14.25	11.98	0.00	11.98
11.70	10.25	0.00	10.25	14.30	11.66	0.00	11.66
11.75	11.30	0.00	11.30	14.35	11.39	0.00	11.39
11.80	12.54	0.00	12.54	14.40	11.14	0.00	11.14
11.85	14.04	0.00	14.04	14.45	10.90	0.00	10.90
11.90	15.83	0.00	15.83	14.50	10.68	0.00	10.68
11.95	18.00	0.00	18.00	14.55	10.46	0.00	10.46
12.00	20.78	0.00	20.78	14.60	10.26	0.00	10.26
12.05	24.41	0.00	24.41	14.65	10.06	0.00	10.06
12.10	29.40	0.00	29.40	14.70	9.86	0.00	9.86
12.15	36.05	0.00	36.05	14.75	9.68	0.00	9.68
12.20	44.55	0.00	44.55	14.80	9.49	0.00	9.49
12.25	54.59	0.00	54.59	14.85	9.31	0.00	9.31
12.30	65.41	0.00	65.41	14.90	9.13	0.00	9.13
12.35	75.84	0.00	75.84	14.95	8.96	0.00	8.96
12.40	84.62	0.00	84.62	15.00	8.79	0.00	8.79
12.45	90.56	0.00	90.56	15.05	8.61	0.00	8.61
12.50	93.60	0.00	93.60	15.10	8.44	0.00	8.44
12.55	**93.62**	0.00	**93.62**	15.15	8.26	0.00	8.26
12.60	91.49	0.00	91.49	15.20	8.09	0.00	8.09
12.65	87.28	0.00	87.28	15.25	7.92	0.00	7.92
12.70	81.80	0.00	81.80	15.30	7.75	0.00	7.75
12.75	75.65	0.00	75.65	15.35	7.59	0.00	7.59
12.80	69.33	0.00	69.33	15.40	7.44	0.00	7.44
12.85	63.44	0.00	63.44	15.45	7.29	0.00	7.29
12.90	58.10	0.00	58.10	15.50	7.17	0.00	7.17
12.95	53.26	0.00	53.26	15.55	7.04	0.00	7.04

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.94	0.00	6.94	18.20	4.29	0.00	4.29
15.65	6.84	0.00	6.84	18.25	4.25	0.00	4.25
15.70	6.75	0.00	6.75	18.30	4.20	0.00	4.20
15.75	6.67	0.00	6.67	18.35	4.16	0.00	4.16
15.80	6.60	0.00	6.60	18.40	4.12	0.00	4.12
15.85	6.53	0.00	6.53	18.45	4.07	0.00	4.07
15.90	6.47	0.00	6.47	18.50	4.04	0.00	4.04
15.95	6.40	0.00	6.40	18.55	4.01	0.00	4.01
16.00	6.35	0.00	6.35	18.60	3.98	0.00	3.98
16.05	6.29	0.00	6.29	18.65	3.95	0.00	3.95
16.10	6.24	0.00	6.24	18.70	3.93	0.00	3.93
16.15	6.19	0.00	6.19	18.75	3.91	0.00	3.91
16.20	6.13	0.00	6.13	18.80	3.89	0.00	3.89
16.25	6.09	0.00	6.09	18.85	3.87	0.00	3.87
16.30	6.04	0.00	6.04	18.90	3.86	0.00	3.86
16.35	5.99	0.00	5.99	18.95	3.84	0.00	3.84
16.40	5.95	0.00	5.95	19.00	3.82	0.00	3.82
16.45	5.90	0.00	5.90	19.05	3.81	0.00	3.81
16.50	5.85	0.00	5.85	19.10	3.79	0.00	3.79
16.55	5.80	0.00	5.80	19.15	3.78	0.00	3.78
16.60	5.76	0.00	5.76	19.20	3.77	0.00	3.77
16.65	5.71	0.00	5.71	19.25	3.76	0.00	3.76
16.70	5.67	0.00	5.67	19.30	3.74	0.00	3.74
16.75	5.62	0.00	5.62	19.35	3.73	0.00	3.73
16.80	5.57	0.00	5.57	19.40	3.72	0.00	3.72
16.85	5.53	0.00	5.53	19.45	3.71	0.00	3.71
16.90	5.49	0.00	5.49	19.50	3.70	0.00	3.70
16.95	5.44	0.00	5.44	19.55	3.68	0.00	3.68
17.00	5.40	0.00	5.40	19.60	3.67	0.00	3.67
17.05	5.35	0.00	5.35	19.65	3.66	0.00	3.66
17.10	5.30	0.00	5.30	19.70	3.65	0.00	3.65
17.15	5.26	0.00	5.26	19.75	3.64	0.00	3.64
17.20	5.21	0.00	5.21	19.80	3.63	0.00	3.63
17.25	5.17	0.00	5.17	19.85	3.62	0.00	3.62
17.30	5.12	0.00	5.12	19.90	3.61	0.00	3.61
17.35	5.08	0.00	5.08	19.95	3.59	0.00	3.59
17.40	5.03	0.00	5.03	20.00	3.58	0.00	3.58
17.45	4.98	0.00	4.98	20.05	3.57	0.00	3.57
17.50	4.94	0.00	4.94	20.10	3.56	0.00	3.56
17.55	4.89	0.00	4.89	20.15	3.55	0.00	3.55
17.60	4.85	0.00	4.85	20.20	3.54	0.00	3.54
17.65	4.80	0.00	4.80	20.25	3.53	0.00	3.53
17.70	4.75	0.00	4.75	20.30	3.52	0.00	3.52
17.75	4.71	0.00	4.71	20.35	3.51	0.00	3.51
17.80	4.66	0.00	4.66	20.40	3.50	0.00	3.50
17.85	4.61	0.00	4.61	20.45	3.48	0.00	3.48
17.90	4.57	0.00	4.57	20.50	3.47	0.00	3.47
17.95	4.52	0.00	4.52	20.55	3.46	0.00	3.46
18.00	4.48	0.00	4.48	20.60	3.45	0.00	3.45
18.05	4.43	0.00	4.43	20.65	3.44	0.00	3.44
18.10	4.38	0.00	4.38	20.70	3.42	0.00	3.42
18.15	4.34	0.00	4.34	20.75	3.41	0.00	3.41

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.40	0.00	3.40	23.40	2.80	0.00	2.80
20.85	3.39	0.00	3.39	23.45	2.78	0.00	2.78
20.90	3.38	0.00	3.38	23.50	2.77	0.00	2.77
20.95	3.37	0.00	3.37	23.55	2.76	0.00	2.76
21.00	3.36	0.00	3.36	23.60	2.75	0.00	2.75
21.05	3.35	0.00	3.35	23.65	2.74	0.00	2.74
21.10	3.33	0.00	3.33	23.70	2.73	0.00	2.73
21.15	3.32	0.00	3.32	23.75	2.71	0.00	2.71
21.20	3.31	0.00	3.31	23.80	2.70	0.00	2.70
21.25	3.30	0.00	3.30	23.85	2.69	0.00	2.69
21.30	3.29	0.00	3.29	23.90	2.68	0.00	2.68
21.35	3.27	0.00	3.27	23.95	2.67	0.00	2.67
21.40	3.26	0.00	3.26	24.00	2.66	0.00	2.66
21.45	3.25	0.00	3.25	24.05	2.65	0.00	2.65
21.50	3.24	0.00	3.24	24.10	2.64	0.00	2.64
21.55	3.23	0.00	3.23	24.15	2.62	0.00	2.62
21.60	3.22	0.00	3.22	24.20	2.58	0.00	2.58
21.65	3.21	0.00	3.21	24.25	2.50	0.00	2.50
21.70	3.19	0.00	3.19	24.30	2.38	0.00	2.38
21.75	3.18	0.00	3.18	24.35	2.20	0.00	2.20
21.80	3.17	0.00	3.17	24.40	1.99	0.00	1.99
21.85	3.16	0.00	3.16	24.45	1.76	0.00	1.76
21.90	3.15	0.00	3.15	24.50	1.52	0.00	1.52
21.95	3.14	0.00	3.14	24.55	1.29	0.00	1.29
22.00	3.13	0.00	3.13	24.60	1.07	0.00	1.07
22.05	3.11	0.00	3.11	24.65	0.88	0.00	0.88
22.10	3.10	0.00	3.10	24.70	0.72	0.00	0.72
22.15	3.09	0.00	3.09	24.75	0.59	0.00	0.59
22.20	3.08	0.00	3.08	24.80	0.48	0.00	0.48
22.25	3.07	0.00	3.07	24.85	0.40	0.00	0.40
22.30	3.06	0.00	3.06	24.90	0.33	0.00	0.33
22.35	3.04	0.00	3.04	24.95	0.27	0.00	0.27
22.40	3.03	0.00	3.03	25.00	0.22	0.00	0.22
22.45	3.02	0.00	3.02	25.05	0.18	0.00	0.18
22.50	3.01	0.00	3.01	25.10	0.15	0.00	0.15
22.55	3.00	0.00	3.00	25.15	0.12	0.00	0.12
22.60	2.99	0.00	2.99	25.20	0.10	0.00	0.10
22.65	2.98	0.00	2.98	25.25	0.08	0.00	0.08
22.70	2.96	0.00	2.96	25.30	0.07	0.00	0.07
22.75	2.95	0.00	2.95	25.35	0.05	0.00	0.05
22.80	2.94	0.00	2.94	25.40	0.04	0.00	0.04
22.85	2.93	0.00	2.93	25.45	0.03	0.00	0.03
22.90	2.92	0.00	2.92	25.50	0.03	0.00	0.03
22.95	2.90	0.00	2.90	25.55	0.02	0.00	0.02
23.00	2.89	0.00	2.89	25.60	0.02	0.00	0.02
23.05	2.88	0.00	2.88	25.65	0.01	0.00	0.01
23.10	2.87	0.00	2.87	25.70	0.01	0.00	0.01
23.15	2.86	0.00	2.86	25.75	0.01	0.00	0.01
23.20	2.84	0.00	2.84	25.80	0.01	0.00	0.01
23.25	2.83	0.00	2.83	25.85	0.00	0.00	0.00
23.30	2.82	0.00	2.82	25.90	0.00	0.00	0.00
23.35	2.81	0.00	2.81	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

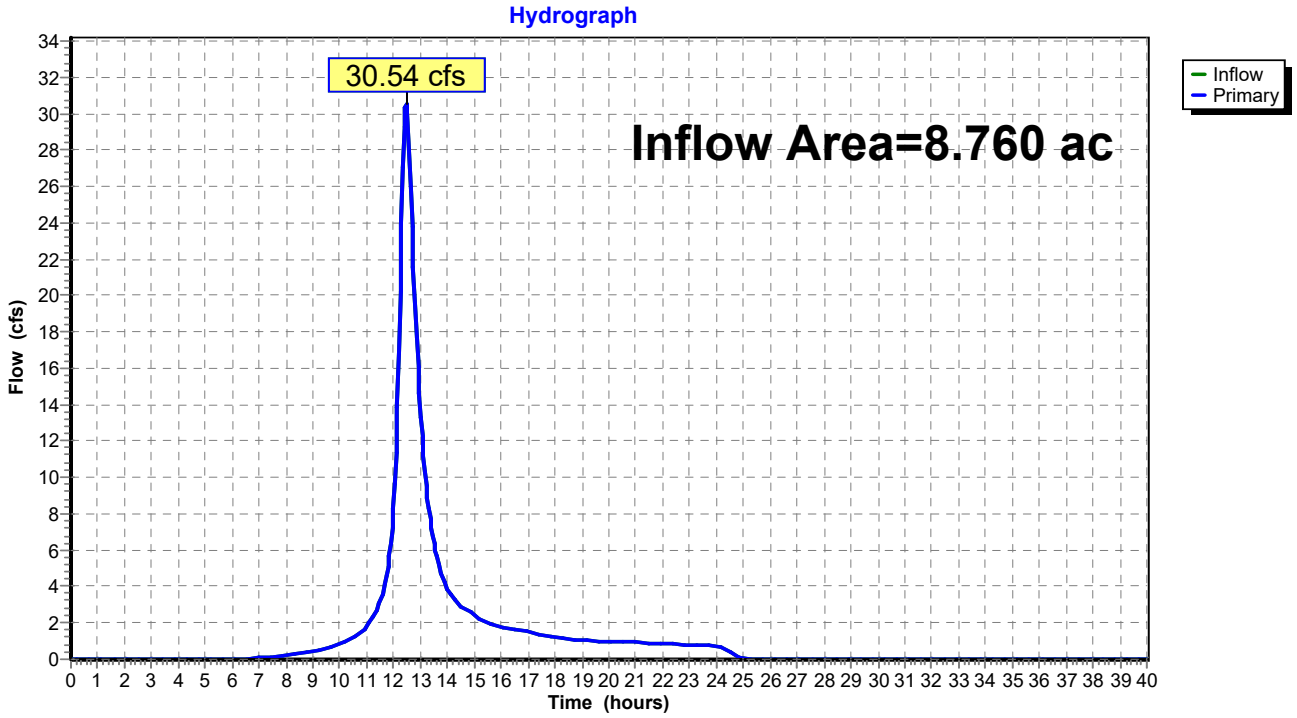
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 5.44" for Current 100 yr event
Inflow = 30.54 cfs @ 12.48 hrs, Volume= 3.971 af
Primary = 30.54 cfs @ 12.48 hrs, Volume= 3.971 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.18	0.00	0.18
5.25	0.00	0.00	0.00	7.85	0.19	0.00	0.19
5.30	0.00	0.00	0.00	7.90	0.20	0.00	0.20
5.35	0.00	0.00	0.00	7.95	0.21	0.00	0.21
5.40	0.00	0.00	0.00	8.00	0.22	0.00	0.22
5.45	0.00	0.00	0.00	8.05	0.23	0.00	0.23
5.50	0.00	0.00	0.00	8.10	0.24	0.00	0.24
5.55	0.00	0.00	0.00	8.15	0.25	0.00	0.25
5.60	0.00	0.00	0.00	8.20	0.26	0.00	0.26
5.65	0.00	0.00	0.00	8.25	0.27	0.00	0.27
5.70	0.00	0.00	0.00	8.30	0.28	0.00	0.28
5.75	0.00	0.00	0.00	8.35	0.29	0.00	0.29
5.80	0.00	0.00	0.00	8.40	0.30	0.00	0.30
5.85	0.00	0.00	0.00	8.45	0.31	0.00	0.31
5.90	0.00	0.00	0.00	8.50	0.32	0.00	0.32
5.95	0.00	0.00	0.00	8.55	0.33	0.00	0.33
6.00	0.00	0.00	0.00	8.60	0.34	0.00	0.34
6.05	0.00	0.00	0.00	8.65	0.35	0.00	0.35
6.10	0.00	0.00	0.00	8.70	0.36	0.00	0.36
6.15	0.00	0.00	0.00	8.75	0.37	0.00	0.37
6.20	0.00	0.00	0.00	8.80	0.38	0.00	0.38
6.25	0.00	0.00	0.00	8.85	0.40	0.00	0.40
6.30	0.00	0.00	0.00	8.90	0.41	0.00	0.41
6.35	0.00	0.00	0.00	8.95	0.42	0.00	0.42
6.40	0.00	0.00	0.00	9.00	0.43	0.00	0.43
6.45	0.01	0.00	0.01	9.05	0.44	0.00	0.44
6.50	0.01	0.00	0.01	9.10	0.46	0.00	0.46
6.55	0.01	0.00	0.01	9.15	0.47	0.00	0.47
6.60	0.02	0.00	0.02	9.20	0.48	0.00	0.48
6.65	0.02	0.00	0.02	9.25	0.50	0.00	0.50
6.70	0.03	0.00	0.03	9.30	0.51	0.00	0.51
6.75	0.03	0.00	0.03	9.35	0.53	0.00	0.53
6.80	0.04	0.00	0.04	9.40	0.55	0.00	0.55
6.85	0.04	0.00	0.04	9.45	0.57	0.00	0.57
6.90	0.05	0.00	0.05	9.50	0.59	0.00	0.59
6.95	0.05	0.00	0.05	9.55	0.61	0.00	0.61
7.00	0.06	0.00	0.06	9.60	0.63	0.00	0.63
7.05	0.06	0.00	0.06	9.65	0.65	0.00	0.65
7.10	0.07	0.00	0.07	9.70	0.68	0.00	0.68
7.15	0.08	0.00	0.08	9.75	0.71	0.00	0.71
7.20	0.08	0.00	0.08	9.80	0.73	0.00	0.73
7.25	0.09	0.00	0.09	9.85	0.76	0.00	0.76
7.30	0.10	0.00	0.10	9.90	0.79	0.00	0.79
7.35	0.11	0.00	0.11	9.95	0.82	0.00	0.82
7.40	0.11	0.00	0.11	10.00	0.85	0.00	0.85
7.45	0.12	0.00	0.12	10.05	0.88	0.00	0.88
7.50	0.13	0.00	0.13	10.10	0.91	0.00	0.91
7.55	0.14	0.00	0.14	10.15	0.95	0.00	0.95
7.60	0.15	0.00	0.15	10.20	0.98	0.00	0.98
7.65	0.15	0.00	0.15	10.25	1.02	0.00	1.02
7.70	0.16	0.00	0.16	10.30	1.05	0.00	1.05
7.75	0.17	0.00	0.17	10.35	1.09	0.00	1.09

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.12	0.00	1.12	13.00	13.34	0.00	13.34
10.45	1.16	0.00	1.16	13.05	12.20	0.00	12.20
10.50	1.20	0.00	1.20	13.10	11.20	0.00	11.20
10.55	1.24	0.00	1.24	13.15	10.31	0.00	10.31
10.60	1.28	0.00	1.28	13.20	9.54	0.00	9.54
10.65	1.32	0.00	1.32	13.25	8.86	0.00	8.86
10.70	1.36	0.00	1.36	13.30	8.24	0.00	8.24
10.75	1.41	0.00	1.41	13.35	7.70	0.00	7.70
10.80	1.47	0.00	1.47	13.40	7.21	0.00	7.21
10.85	1.53	0.00	1.53	13.45	6.76	0.00	6.76
10.90	1.60	0.00	1.60	13.50	6.37	0.00	6.37
10.95	1.68	0.00	1.68	13.55	6.00	0.00	6.00
11.00	1.77	0.00	1.77	13.60	5.67	0.00	5.67
11.05	1.87	0.00	1.87	13.65	5.37	0.00	5.37
11.10	1.97	0.00	1.97	13.70	5.09	0.00	5.09
11.15	2.08	0.00	2.08	13.75	4.83	0.00	4.83
11.20	2.21	0.00	2.21	13.80	4.60	0.00	4.60
11.25	2.34	0.00	2.34	13.85	4.37	0.00	4.37
11.30	2.48	0.00	2.48	13.90	4.16	0.00	4.16
11.35	2.65	0.00	2.65	13.95	3.98	0.00	3.98
11.40	2.82	0.00	2.82	14.00	3.82	0.00	3.82
11.45	3.01	0.00	3.01	14.05	3.68	0.00	3.68
11.50	3.22	0.00	3.22	14.10	3.56	0.00	3.56
11.55	3.43	0.00	3.43	14.15	3.45	0.00	3.45
11.60	3.68	0.00	3.68	14.20	3.36	0.00	3.36
11.65	3.96	0.00	3.96	14.25	3.28	0.00	3.28
11.70	4.28	0.00	4.28	14.30	3.20	0.00	3.20
11.75	4.67	0.00	4.67	14.35	3.13	0.00	3.13
11.80	5.13	0.00	5.13	14.40	3.06	0.00	3.06
11.85	5.69	0.00	5.69	14.45	3.00	0.00	3.00
11.90	6.37	0.00	6.37	14.50	2.94	0.00	2.94
11.95	7.20	0.00	7.20	14.55	2.88	0.00	2.88
12.00	8.24	0.00	8.24	14.60	2.83	0.00	2.83
12.05	9.60	0.00	9.60	14.65	2.78	0.00	2.78
12.10	11.40	0.00	11.40	14.70	2.72	0.00	2.72
12.15	13.84	0.00	13.84	14.75	2.67	0.00	2.67
12.20	16.84	0.00	16.84	14.80	2.62	0.00	2.62
12.25	20.28	0.00	20.28	14.85	2.57	0.00	2.57
12.30	23.87	0.00	23.87	14.90	2.52	0.00	2.52
12.35	27.04	0.00	27.04	14.95	2.47	0.00	2.47
12.40	29.29	0.00	29.29	15.00	2.42	0.00	2.42
12.45	30.37	0.00	30.37	15.05	2.37	0.00	2.37
12.50	**30.45**	0.00	**30.45**	15.10	2.32	0.00	2.32
12.55	29.57	0.00	29.57	15.15	2.27	0.00	2.27
12.60	28.04	0.00	28.04	15.20	2.22	0.00	2.22
12.65	26.04	0.00	26.04	15.25	2.18	0.00	2.18
12.70	23.76	0.00	23.76	15.30	2.13	0.00	2.13
12.75	21.56	0.00	21.56	15.35	2.09	0.00	2.09
12.80	19.55	0.00	19.55	15.40	2.04	0.00	2.04
12.85	17.73	0.00	17.73	15.45	2.01	0.00	2.01
12.90	16.10	0.00	16.10	15.50	1.97	0.00	1.97
12.95	14.64	0.00	14.64	15.55	1.94	0.00	1.94

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.91	0.00	1.91	18.20	1.18	0.00	1.18
15.65	1.89	0.00	1.89	18.25	1.17	0.00	1.17
15.70	1.86	0.00	1.86	18.30	1.15	0.00	1.15
15.75	1.84	0.00	1.84	18.35	1.14	0.00	1.14
15.80	1.82	0.00	1.82	18.40	1.13	0.00	1.13
15.85	1.81	0.00	1.81	18.45	1.12	0.00	1.12
15.90	1.79	0.00	1.79	18.50	1.11	0.00	1.11
15.95	1.77	0.00	1.77	18.55	1.10	0.00	1.10
16.00	1.76	0.00	1.76	18.60	1.09	0.00	1.09
16.05	1.74	0.00	1.74	18.65	1.09	0.00	1.09
16.10	1.73	0.00	1.73	18.70	1.08	0.00	1.08
16.15	1.71	0.00	1.71	18.75	1.08	0.00	1.08
16.20	1.70	0.00	1.70	18.80	1.07	0.00	1.07
16.25	1.69	0.00	1.69	18.85	1.07	0.00	1.07
16.30	1.67	0.00	1.67	18.90	1.06	0.00	1.06
16.35	1.66	0.00	1.66	18.95	1.06	0.00	1.06
16.40	1.65	0.00	1.65	19.00	1.05	0.00	1.05
16.45	1.63	0.00	1.63	19.05	1.05	0.00	1.05
16.50	1.62	0.00	1.62	19.10	1.05	0.00	1.05
16.55	1.61	0.00	1.61	19.15	1.04	0.00	1.04
16.60	1.59	0.00	1.59	19.20	1.04	0.00	1.04
16.65	1.58	0.00	1.58	19.25	1.04	0.00	1.04
16.70	1.57	0.00	1.57	19.30	1.03	0.00	1.03
16.75	1.55	0.00	1.55	19.35	1.03	0.00	1.03
16.80	1.54	0.00	1.54	19.40	1.03	0.00	1.03
16.85	1.53	0.00	1.53	19.45	1.02	0.00	1.02
16.90	1.52	0.00	1.52	19.50	1.02	0.00	1.02
16.95	1.50	0.00	1.50	19.55	1.02	0.00	1.02
17.00	1.49	0.00	1.49	19.60	1.01	0.00	1.01
17.05	1.48	0.00	1.48	19.65	1.01	0.00	1.01
17.10	1.46	0.00	1.46	19.70	1.01	0.00	1.01
17.15	1.45	0.00	1.45	19.75	1.00	0.00	1.00
17.20	1.44	0.00	1.44	19.80	1.00	0.00	1.00
17.25	1.43	0.00	1.43	19.85	1.00	0.00	1.00
17.30	1.41	0.00	1.41	19.90	0.99	0.00	0.99
17.35	1.40	0.00	1.40	19.95	0.99	0.00	0.99
17.40	1.39	0.00	1.39	20.00	0.99	0.00	0.99
17.45	1.37	0.00	1.37	20.05	0.98	0.00	0.98
17.50	1.36	0.00	1.36	20.10	0.98	0.00	0.98
17.55	1.35	0.00	1.35	20.15	0.98	0.00	0.98
17.60	1.33	0.00	1.33	20.20	0.98	0.00	0.98
17.65	1.32	0.00	1.32	20.25	0.97	0.00	0.97
17.70	1.31	0.00	1.31	20.30	0.97	0.00	0.97
17.75	1.30	0.00	1.30	20.35	0.97	0.00	0.97
17.80	1.28	0.00	1.28	20.40	0.96	0.00	0.96
17.85	1.27	0.00	1.27	20.45	0.96	0.00	0.96
17.90	1.26	0.00	1.26	20.50	0.95	0.00	0.95
17.95	1.24	0.00	1.24	20.55	0.95	0.00	0.95
18.00	1.23	0.00	1.23	20.60	0.95	0.00	0.95
18.05	1.22	0.00	1.22	20.65	0.94	0.00	0.94
18.10	1.20	0.00	1.20	20.70	0.94	0.00	0.94
18.15	1.19	0.00	1.19	20.75	0.94	0.00	0.94

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.94	0.00	0.94	23.40	0.77	0.00	0.77
20.85	0.93	0.00	0.93	23.45	0.76	0.00	0.76
20.90	0.93	0.00	0.93	23.50	0.76	0.00	0.76
20.95	0.93	0.00	0.93	23.55	0.76	0.00	0.76
21.00	0.92	0.00	0.92	23.60	0.75	0.00	0.75
21.05	0.92	0.00	0.92	23.65	0.75	0.00	0.75
21.10	0.92	0.00	0.92	23.70	0.75	0.00	0.75
21.15	0.91	0.00	0.91	23.75	0.74	0.00	0.74
21.20	0.91	0.00	0.91	23.80	0.74	0.00	0.74
21.25	0.91	0.00	0.91	23.85	0.74	0.00	0.74
21.30	0.90	0.00	0.90	23.90	0.73	0.00	0.73
21.35	0.90	0.00	0.90	23.95	0.73	0.00	0.73
21.40	0.90	0.00	0.90	24.00	0.73	0.00	0.73
21.45	0.89	0.00	0.89	24.05	0.73	0.00	0.73
21.50	0.89	0.00	0.89	24.10	0.72	0.00	0.72
21.55	0.89	0.00	0.89	24.15	0.72	0.00	0.72
21.60	0.88	0.00	0.88	24.20	0.70	0.00	0.70
21.65	0.88	0.00	0.88	24.25	0.68	0.00	0.68
21.70	0.88	0.00	0.88	24.30	0.63	0.00	0.63
21.75	0.87	0.00	0.87	24.35	0.57	0.00	0.57
21.80	0.87	0.00	0.87	24.40	0.50	0.00	0.50
21.85	0.87	0.00	0.87	24.45	0.43	0.00	0.43
21.90	0.86	0.00	0.86	24.50	0.36	0.00	0.36
21.95	0.86	0.00	0.86	24.55	0.30	0.00	0.30
22.00	0.86	0.00	0.86	24.60	0.24	0.00	0.24
22.05	0.85	0.00	0.85	24.65	0.19	0.00	0.19
22.10	0.85	0.00	0.85	24.70	0.15	0.00	0.15
22.15	0.85	0.00	0.85	24.75	0.12	0.00	0.12
22.20	0.84	0.00	0.84	24.80	0.10	0.00	0.10
22.25	0.84	0.00	0.84	24.85	0.08	0.00	0.08
22.30	0.84	0.00	0.84	24.90	0.07	0.00	0.07
22.35	0.83	0.00	0.83	24.95	0.05	0.00	0.05
22.40	0.83	0.00	0.83	25.00	0.04	0.00	0.04
22.45	0.83	0.00	0.83	25.05	0.03	0.00	0.03
22.50	0.83	0.00	0.83	25.10	0.03	0.00	0.03
22.55	0.82	0.00	0.82	25.15	0.02	0.00	0.02
22.60	0.82	0.00	0.82	25.20	0.02	0.00	0.02
22.65	0.82	0.00	0.82	25.25	0.01	0.00	0.01
22.70	0.81	0.00	0.81	25.30	0.01	0.00	0.01
22.75	0.81	0.00	0.81	25.35	0.01	0.00	0.01
22.80	0.81	0.00	0.81	25.40	0.01	0.00	0.01
22.85	0.80	0.00	0.80	25.45	0.01	0.00	0.01
22.90	0.80	0.00	0.80	25.50	0.00	0.00	0.00
22.95	0.80	0.00	0.80	25.55	0.00	0.00	0.00
23.00	0.79	0.00	0.79	25.60	0.00	0.00	0.00
23.05	0.79	0.00	0.79	25.65	0.00	0.00	0.00
23.10	0.79	0.00	0.79	25.70	0.00	0.00	0.00
23.15	0.78	0.00	0.78	25.75	0.00	0.00	0.00
23.20	0.78	0.00	0.78	25.80	0.00	0.00	0.00
23.25	0.78	0.00	0.78	25.85	0.00	0.00	0.00
23.30	0.77	0.00	0.77	25.90	0.00	0.00	0.00
23.35	0.77	0.00	0.77	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

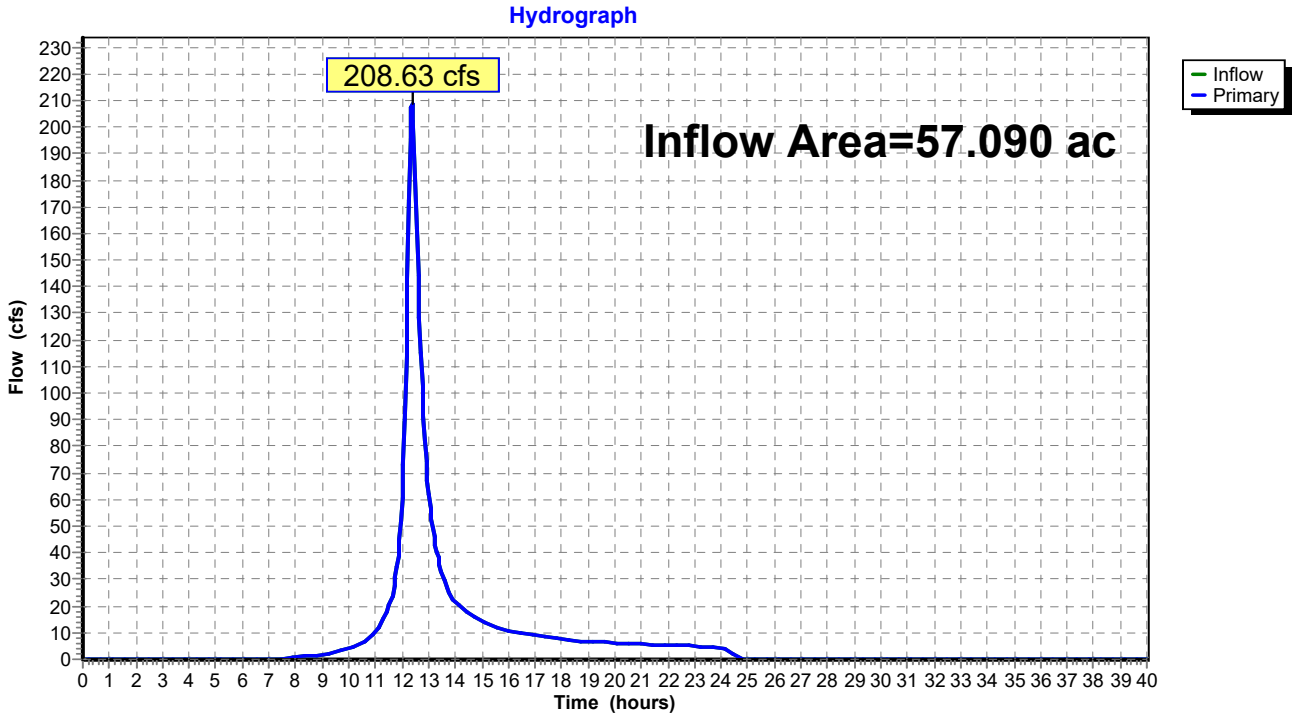
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 4.94" for Current 100 yr event
Inflow = 208.63 cfs @ 12.37 hrs, Volume= 23.524 af
Primary = 208.63 cfs @ 12.37 hrs, Volume= 23.524 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.06	0.00	0.06
0.40	0.00	0.00	0.00	3.00	0.06	0.00	0.06
0.45	0.00	0.00	0.00	3.05	0.06	0.00	0.06
0.50	0.00	0.00	0.00	3.10	0.06	0.00	0.06
0.55	0.00	0.00	0.00	3.15	0.06	0.00	0.06
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.00	0.00	0.00	3.30	0.07	0.00	0.07
0.75	0.00	0.00	0.00	3.35	0.07	0.00	0.07
0.80	0.00	0.00	0.00	3.40	0.07	0.00	0.07
0.85	0.00	0.00	0.00	3.45	0.07	0.00	0.07
0.90	0.01	0.00	0.01	3.50	0.07	0.00	0.07
0.95	0.01	0.00	0.01	3.55	0.07	0.00	0.07
1.00	0.01	0.00	0.01	3.60	0.07	0.00	0.07
1.05	0.01	0.00	0.01	3.65	0.07	0.00	0.07
1.10	0.01	0.00	0.01	3.70	0.07	0.00	0.07
1.15	0.02	0.00	0.02	3.75	0.07	0.00	0.07
1.20	0.02	0.00	0.02	3.80	0.07	0.00	0.07
1.25	0.02	0.00	0.02	3.85	0.07	0.00	0.07
1.30	0.02	0.00	0.02	3.90	0.07	0.00	0.07
1.35	0.02	0.00	0.02	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.03	0.00	0.03	4.05	0.08	0.00	0.08
1.50	0.03	0.00	0.03	4.10	0.08	0.00	0.08
1.55	0.03	0.00	0.03	4.15	0.08	0.00	0.08
1.60	0.03	0.00	0.03	4.20	0.08	0.00	0.08
1.65	0.03	0.00	0.03	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.04	0.00	0.04	4.40	0.08	0.00	0.08
1.85	0.04	0.00	0.04	4.45	0.08	0.00	0.08
1.90	0.04	0.00	0.04	4.50	0.08	0.00	0.08
1.95	0.04	0.00	0.04	4.55	0.08	0.00	0.08
2.00	0.04	0.00	0.04	4.60	0.08	0.00	0.08
2.05	0.04	0.00	0.04	4.65	0.08	0.00	0.08
2.10	0.05	0.00	0.05	4.70	0.08	0.00	0.08
2.15	0.05	0.00	0.05	4.75	0.08	0.00	0.08
2.20	0.05	0.00	0.05	4.80	0.08	0.00	0.08
2.25	0.05	0.00	0.05	4.85	0.08	0.00	0.08
2.30	0.05	0.00	0.05	4.90	0.08	0.00	0.08
2.35	0.05	0.00	0.05	4.95	0.09	0.00	0.09
2.40	0.05	0.00	0.05	5.00	0.09	0.00	0.09
2.45	0.05	0.00	0.05	5.05	0.09	0.00	0.09
2.50	0.05	0.00	0.05	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.43	0.00	0.43
5.25	0.09	0.00	0.09	7.85	0.47	0.00	0.47
5.30	0.09	0.00	0.09	7.90	0.52	0.00	0.52
5.35	0.09	0.00	0.09	7.95	0.57	0.00	0.57
5.40	0.09	0.00	0.09	8.00	0.62	0.00	0.62
5.45	0.09	0.00	0.09	8.05	0.67	0.00	0.67
5.50	0.09	0.00	0.09	8.10	0.72	0.00	0.72
5.55	0.09	0.00	0.09	8.15	0.78	0.00	0.78
5.60	0.09	0.00	0.09	8.20	0.83	0.00	0.83
5.65	0.09	0.00	0.09	8.25	0.89	0.00	0.89
5.70	0.09	0.00	0.09	8.30	0.94	0.00	0.94
5.75	0.09	0.00	0.09	8.35	1.00	0.00	1.00
5.80	0.09	0.00	0.09	8.40	1.06	0.00	1.06
5.85	0.09	0.00	0.09	8.45	1.12	0.00	1.12
5.90	0.09	0.00	0.09	8.50	1.18	0.00	1.18
5.95	0.09	0.00	0.09	8.55	1.24	0.00	1.24
6.00	0.09	0.00	0.09	8.60	1.30	0.00	1.30
6.05	0.10	0.00	0.10	8.65	1.36	0.00	1.36
6.10	0.10	0.00	0.10	8.70	1.43	0.00	1.43
6.15	0.10	0.00	0.10	8.75	1.49	0.00	1.49
6.20	0.10	0.00	0.10	8.80	1.56	0.00	1.56
6.25	0.10	0.00	0.10	8.85	1.62	0.00	1.62
6.30	0.10	0.00	0.10	8.90	1.69	0.00	1.69
6.35	0.10	0.00	0.10	8.95	1.76	0.00	1.76
6.40	0.10	0.00	0.10	9.00	1.83	0.00	1.83
6.45	0.10	0.00	0.10	9.05	1.90	0.00	1.90
6.50	0.10	0.00	0.10	9.10	1.97	0.00	1.97
6.55	0.10	0.00	0.10	9.15	2.04	0.00	2.04
6.60	0.10	0.00	0.10	9.20	2.12	0.00	2.12
6.65	0.11	0.00	0.11	9.25	2.21	0.00	2.21
6.70	0.11	0.00	0.11	9.30	2.30	0.00	2.30
6.75	0.11	0.00	0.11	9.35	2.40	0.00	2.40
6.80	0.11	0.00	0.11	9.40	2.51	0.00	2.51
6.85	0.11	0.00	0.11	9.45	2.63	0.00	2.63
6.90	0.11	0.00	0.11	9.50	2.76	0.00	2.76
6.95	0.11	0.00	0.11	9.55	2.89	0.00	2.89
7.00	0.11	0.00	0.11	9.60	3.02	0.00	3.02
7.05	0.12	0.00	0.12	9.65	3.17	0.00	3.17
7.10	0.12	0.00	0.12	9.70	3.31	0.00	3.31
7.15	0.12	0.00	0.12	9.75	3.46	0.00	3.46
7.20	0.12	0.00	0.12	9.80	3.62	0.00	3.62
7.25	0.13	0.00	0.13	9.85	3.78	0.00	3.78
7.30	0.14	0.00	0.14	9.90	3.95	0.00	3.95
7.35	0.15	0.00	0.15	9.95	4.12	0.00	4.12
7.40	0.16	0.00	0.16	10.00	4.30	0.00	4.30
7.45	0.18	0.00	0.18	10.05	4.48	0.00	4.48
7.50	0.21	0.00	0.21	10.10	4.66	0.00	4.66
7.55	0.24	0.00	0.24	10.15	4.86	0.00	4.86
7.60	0.27	0.00	0.27	10.20	5.05	0.00	5.05
7.65	0.30	0.00	0.30	10.25	5.25	0.00	5.25
7.70	0.34	0.00	0.34	10.30	5.45	0.00	5.45
7.75	0.38	0.00	0.38	10.35	5.66	0.00	5.66

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.88	0.00	5.88	13.00	61.57	0.00	61.57
10.45	6.10	0.00	6.10	13.05	56.77	0.00	56.77
10.50	6.32	0.00	6.32	13.10	52.65	0.00	52.65
10.55	6.55	0.00	6.55	13.15	49.04	0.00	49.04
10.60	6.79	0.00	6.79	13.20	45.82	0.00	45.82
10.65	7.05	0.00	7.05	13.25	42.92	0.00	42.92
10.70	7.34	0.00	7.34	13.30	40.31	0.00	40.31
10.75	7.68	0.00	7.68	13.35	37.96	0.00	37.96
10.80	8.08	0.00	8.08	13.40	35.83	0.00	35.83
10.85	8.53	0.00	8.53	13.45	33.89	0.00	33.89
10.90	9.03	0.00	9.03	13.50	32.14	0.00	32.14
10.95	9.58	0.00	9.58	13.55	30.57	0.00	30.57
11.00	10.18	0.00	10.18	13.60	29.14	0.00	29.14
11.05	10.81	0.00	10.81	13.65	27.81	0.00	27.81
11.10	11.49	0.00	11.49	13.70	26.55	0.00	26.55
11.15	12.22	0.00	12.22	13.75	25.36	0.00	25.36
11.20	13.02	0.00	13.02	13.80	24.27	0.00	24.27
11.25	13.92	0.00	13.92	13.85	23.30	0.00	23.30
11.30	14.92	0.00	14.92	13.90	22.45	0.00	22.45
11.35	16.02	0.00	16.02	13.95	21.72	0.00	21.72
11.40	17.22	0.00	17.22	14.00	21.10	0.00	21.10
11.45	18.51	0.00	18.51	14.05	20.56	0.00	20.56
11.50	19.88	0.00	19.88	14.10	20.08	0.00	20.08
11.55	21.35	0.00	21.35	14.15	19.65	0.00	19.65
11.60	23.01	0.00	23.01	14.20	19.25	0.00	19.25
11.65	25.02	0.00	25.02	14.25	18.89	0.00	18.89
11.70	27.58	0.00	27.58	14.30	18.54	0.00	18.54
11.75	30.76	0.00	30.76	14.35	18.20	0.00	18.20
11.80	34.59	0.00	34.59	14.40	17.88	0.00	17.88
11.85	39.11	0.00	39.11	14.45	17.56	0.00	17.56
11.90	44.56	0.00	44.56	14.50	17.25	0.00	17.25
11.95	51.47	0.00	51.47	14.55	16.94	0.00	16.94
12.00	60.55	0.00	60.55	14.60	16.64	0.00	16.64
12.05	72.75	0.00	72.75	14.65	16.34	0.00	16.34
12.10	90.09	0.00	90.09	14.70	16.04	0.00	16.04
12.15	113.76	0.00	113.76	14.75	15.74	0.00	15.74
12.20	142.58	0.00	142.58	14.80	15.44	0.00	15.44
12.25	172.15	0.00	172.15	14.85	15.14	0.00	15.14
12.30	195.77	0.00	195.77	14.90	14.84	0.00	14.84
12.35	**207.37**	0.00	**207.37**	14.95	14.54	0.00	14.54
12.40	206.83	0.00	206.83	15.00	14.25	0.00	14.25
12.45	197.16	0.00	197.16	15.05	13.95	0.00	13.95
12.50	181.10	0.00	181.10	15.10	13.65	0.00	13.65
12.55	162.23	0.00	162.23	15.15	13.35	0.00	13.35
12.60	143.99	0.00	143.99	15.20	13.05	0.00	13.05
12.65	128.47	0.00	128.47	15.25	12.76	0.00	12.76
12.70	114.88	0.00	114.88	15.30	12.49	0.00	12.49
12.75	102.68	0.00	102.68	15.35	12.25	0.00	12.25
12.80	91.80	0.00	91.80	15.40	12.04	0.00	12.04
12.85	82.40	0.00	82.40	15.45	11.85	0.00	11.85
12.90	74.29	0.00	74.29	15.50	11.69	0.00	11.69
12.95	67.38	0.00	67.38	15.55	11.55	0.00	11.55

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	11.42	0.00	11.42	18.20	7.15	0.00	7.15
15.65	11.31	0.00	11.31	18.25	7.07	0.00	7.07
15.70	11.21	0.00	11.21	18.30	7.00	0.00	7.00
15.75	11.11	0.00	11.11	18.35	6.93	0.00	6.93
15.80	11.02	0.00	11.02	18.40	6.87	0.00	6.87
15.85	10.93	0.00	10.93	18.45	6.82	0.00	6.82
15.90	10.84	0.00	10.84	18.50	6.78	0.00	6.78
15.95	10.75	0.00	10.75	18.55	6.74	0.00	6.74
16.00	10.67	0.00	10.67	18.60	6.71	0.00	6.71
16.05	10.59	0.00	10.59	18.65	6.68	0.00	6.68
16.10	10.51	0.00	10.51	18.70	6.65	0.00	6.65
16.15	10.43	0.00	10.43	18.75	6.63	0.00	6.63
16.20	10.35	0.00	10.35	18.80	6.60	0.00	6.60
16.25	10.27	0.00	10.27	18.85	6.58	0.00	6.58
16.30	10.19	0.00	10.19	18.90	6.56	0.00	6.56
16.35	10.11	0.00	10.11	18.95	6.54	0.00	6.54
16.40	10.04	0.00	10.04	19.00	6.52	0.00	6.52
16.45	9.96	0.00	9.96	19.05	6.50	0.00	6.50
16.50	9.88	0.00	9.88	19.10	6.48	0.00	6.48
16.55	9.80	0.00	9.80	19.15	6.45	0.00	6.45
16.60	9.72	0.00	9.72	19.20	6.44	0.00	6.44
16.65	9.64	0.00	9.64	19.25	6.42	0.00	6.42
16.70	9.56	0.00	9.56	19.30	6.40	0.00	6.40
16.75	9.48	0.00	9.48	19.35	6.38	0.00	6.38
16.80	9.40	0.00	9.40	19.40	6.36	0.00	6.36
16.85	9.32	0.00	9.32	19.45	6.34	0.00	6.34
16.90	9.24	0.00	9.24	19.50	6.32	0.00	6.32
16.95	9.16	0.00	9.16	19.55	6.30	0.00	6.30
17.00	9.08	0.00	9.08	19.60	6.28	0.00	6.28
17.05	9.00	0.00	9.00	19.65	6.26	0.00	6.26
17.10	8.92	0.00	8.92	19.70	6.24	0.00	6.24
17.15	8.84	0.00	8.84	19.75	6.22	0.00	6.22
17.20	8.76	0.00	8.76	19.80	6.20	0.00	6.20
17.25	8.68	0.00	8.68	19.85	6.18	0.00	6.18
17.30	8.60	0.00	8.60	19.90	6.16	0.00	6.16
17.35	8.52	0.00	8.52	19.95	6.14	0.00	6.14
17.40	8.44	0.00	8.44	20.00	6.13	0.00	6.13
17.45	8.36	0.00	8.36	20.05	6.11	0.00	6.11
17.50	8.28	0.00	8.28	20.10	6.09	0.00	6.09
17.55	8.20	0.00	8.20	20.15	6.07	0.00	6.07
17.60	8.11	0.00	8.11	20.20	6.04	0.00	6.04
17.65	8.03	0.00	8.03	20.25	6.02	0.00	6.02
17.70	7.95	0.00	7.95	20.30	6.00	0.00	6.00
17.75	7.87	0.00	7.87	20.35	5.98	0.00	5.98
17.80	7.80	0.00	7.80	20.40	5.96	0.00	5.96
17.85	7.72	0.00	7.72	20.45	5.94	0.00	5.94
17.90	7.64	0.00	7.64	20.50	5.92	0.00	5.92
17.95	7.55	0.00	7.55	20.55	5.90	0.00	5.90
18.00	7.47	0.00	7.47	20.60	5.88	0.00	5.88
18.05	7.39	0.00	7.39	20.65	5.86	0.00	5.86
18.10	7.31	0.00	7.31	20.70	5.84	0.00	5.84
18.15	7.23	0.00	7.23	20.75	5.82	0.00	5.82

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.81	0.00	5.81	23.40	4.74	0.00	4.74
20.85	5.79	0.00	5.79	23.45	4.72	0.00	4.72
20.90	5.77	0.00	5.77	23.50	4.70	0.00	4.70
20.95	5.74	0.00	5.74	23.55	4.68	0.00	4.68
21.00	5.72	0.00	5.72	23.60	4.66	0.00	4.66
21.05	5.70	0.00	5.70	23.65	4.64	0.00	4.64
21.10	5.68	0.00	5.68	23.70	4.62	0.00	4.62
21.15	5.66	0.00	5.66	23.75	4.60	0.00	4.60
21.20	5.64	0.00	5.64	23.80	4.58	0.00	4.58
21.25	5.61	0.00	5.61	23.85	4.56	0.00	4.56
21.30	5.59	0.00	5.59	23.90	4.54	0.00	4.54
21.35	5.58	0.00	5.58	23.95	4.52	0.00	4.52
21.40	5.56	0.00	5.56	24.00	4.51	0.00	4.51
21.45	5.54	0.00	5.54	24.05	4.52	0.00	4.52
21.50	5.52	0.00	5.52	24.10	4.51	0.00	4.51
21.55	5.50	0.00	5.50	24.15	4.43	0.00	4.43
21.60	5.48	0.00	5.48	24.20	4.20	0.00	4.20
21.65	5.46	0.00	5.46	24.25	3.79	0.00	3.79
21.70	5.44	0.00	5.44	24.30	3.25	0.00	3.25
21.75	5.42	0.00	5.42	24.35	2.66	0.00	2.66
21.80	5.40	0.00	5.40	24.40	2.10	0.00	2.10
21.85	5.38	0.00	5.38	24.45	1.59	0.00	1.59
21.90	5.36	0.00	5.36	24.50	1.19	0.00	1.19
21.95	5.34	0.00	5.34	24.55	0.90	0.00	0.90
22.00	5.32	0.00	5.32	24.60	0.68	0.00	0.68
22.05	5.30	0.00	5.30	24.65	0.51	0.00	0.51
22.10	5.28	0.00	5.28	24.70	0.39	0.00	0.39
22.15	5.26	0.00	5.26	24.75	0.29	0.00	0.29
22.20	5.24	0.00	5.24	24.80	0.22	0.00	0.22
22.25	5.21	0.00	5.21	24.85	0.16	0.00	0.16
22.30	5.19	0.00	5.19	24.90	0.12	0.00	0.12
22.35	5.18	0.00	5.18	24.95	0.09	0.00	0.09
22.40	5.16	0.00	5.16	25.00	0.07	0.00	0.07
22.45	5.14	0.00	5.14	25.05	0.05	0.00	0.05
22.50	5.12	0.00	5.12	25.10	0.04	0.00	0.04
22.55	5.09	0.00	5.09	25.15	0.03	0.00	0.03
22.60	5.07	0.00	5.07	25.20	0.02	0.00	0.02
22.65	5.05	0.00	5.05	25.25	0.01	0.00	0.01
22.70	5.03	0.00	5.03	25.30	0.01	0.00	0.01
22.75	5.01	0.00	5.01	25.35	0.00	0.00	0.00
22.80	4.99	0.00	4.99	25.40	0.00	0.00	0.00
22.85	4.97	0.00	4.97	25.45	0.00	0.00	0.00
22.90	4.95	0.00	4.95	25.50	0.00	0.00	0.00
22.95	4.93	0.00	4.93	25.55	0.00	0.00	0.00
23.00	4.91	0.00	4.91	25.60	0.00	0.00	0.00
23.05	4.89	0.00	4.89	25.65	0.00	0.00	0.00
23.10	4.87	0.00	4.87	25.70	0.00	0.00	0.00
23.15	4.85	0.00	4.85	25.75	0.00	0.00	0.00
23.20	4.83	0.00	4.83	25.80	0.00	0.00	0.00
23.25	4.81	0.00	4.81	25.85	0.00	0.00	0.00
23.30	4.79	0.00	4.79	25.90	0.00	0.00	0.00
23.35	4.76	0.00	4.76	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

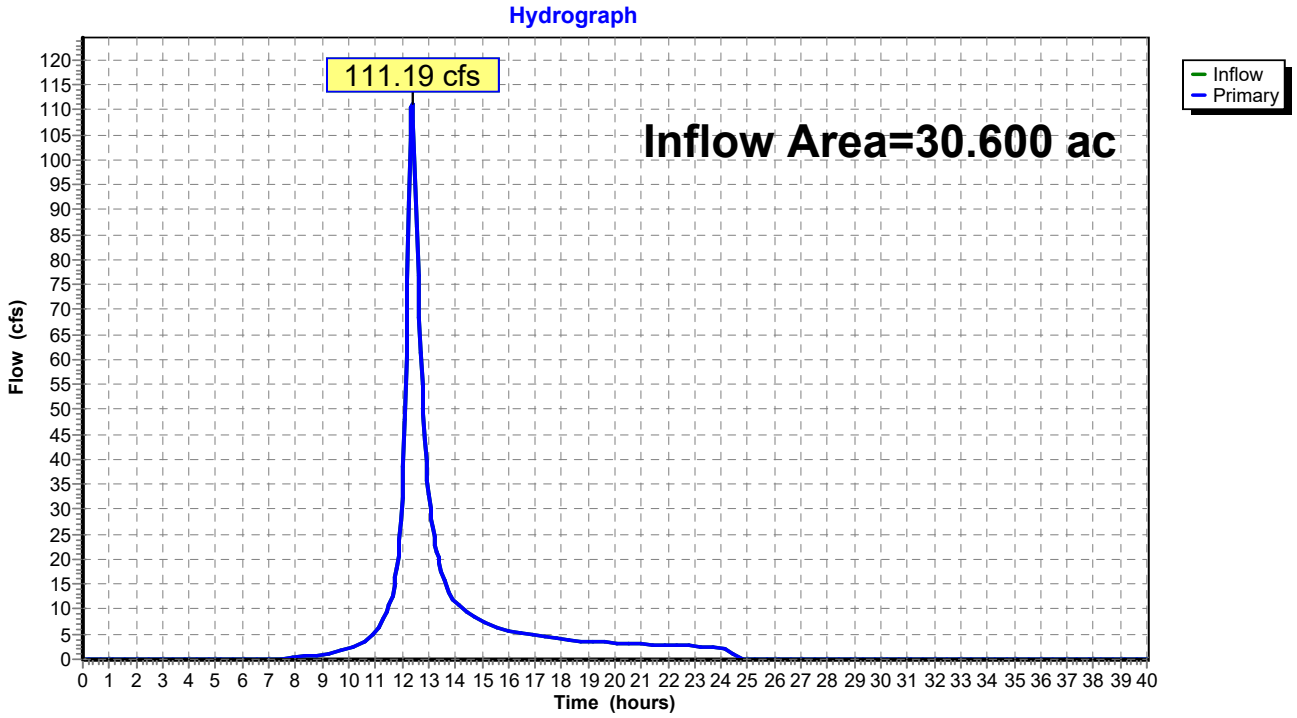
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 4.93" for Current 100 yr event
Inflow = 111.19 cfs @ 12.37 hrs, Volume= 12.566 af
Primary = 111.19 cfs @ 12.37 hrs, Volume= 12.566 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.06	0.00	0.06
0.40	0.00	0.00	0.00	3.00	0.06	0.00	0.06
0.45	0.00	0.00	0.00	3.05	0.06	0.00	0.06
0.50	0.00	0.00	0.00	3.10	0.06	0.00	0.06
0.55	0.00	0.00	0.00	3.15	0.06	0.00	0.06
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.00	0.00	0.00	3.30	0.07	0.00	0.07
0.75	0.00	0.00	0.00	3.35	0.07	0.00	0.07
0.80	0.00	0.00	0.00	3.40	0.07	0.00	0.07
0.85	0.00	0.00	0.00	3.45	0.07	0.00	0.07
0.90	0.01	0.00	0.01	3.50	0.07	0.00	0.07
0.95	0.01	0.00	0.01	3.55	0.07	0.00	0.07
1.00	0.01	0.00	0.01	3.60	0.07	0.00	0.07
1.05	0.01	0.00	0.01	3.65	0.07	0.00	0.07
1.10	0.01	0.00	0.01	3.70	0.07	0.00	0.07
1.15	0.02	0.00	0.02	3.75	0.07	0.00	0.07
1.20	0.02	0.00	0.02	3.80	0.07	0.00	0.07
1.25	0.02	0.00	0.02	3.85	0.07	0.00	0.07
1.30	0.02	0.00	0.02	3.90	0.07	0.00	0.07
1.35	0.02	0.00	0.02	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.03	0.00	0.03	4.05	0.08	0.00	0.08
1.50	0.03	0.00	0.03	4.10	0.08	0.00	0.08
1.55	0.03	0.00	0.03	4.15	0.08	0.00	0.08
1.60	0.03	0.00	0.03	4.20	0.08	0.00	0.08
1.65	0.03	0.00	0.03	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.04	0.00	0.04	4.40	0.08	0.00	0.08
1.85	0.04	0.00	0.04	4.45	0.08	0.00	0.08
1.90	0.04	0.00	0.04	4.50	0.08	0.00	0.08
1.95	0.04	0.00	0.04	4.55	0.08	0.00	0.08
2.00	0.04	0.00	0.04	4.60	0.08	0.00	0.08
2.05	0.04	0.00	0.04	4.65	0.08	0.00	0.08
2.10	0.05	0.00	0.05	4.70	0.08	0.00	0.08
2.15	0.05	0.00	0.05	4.75	0.08	0.00	0.08
2.20	0.05	0.00	0.05	4.80	0.08	0.00	0.08
2.25	0.05	0.00	0.05	4.85	0.08	0.00	0.08
2.30	0.05	0.00	0.05	4.90	0.08	0.00	0.08
2.35	0.05	0.00	0.05	4.95	0.09	0.00	0.09
2.40	0.05	0.00	0.05	5.00	0.09	0.00	0.09
2.45	0.05	0.00	0.05	5.05	0.09	0.00	0.09
2.50	0.05	0.00	0.05	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.24	0.00	0.24
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.29	0.00	0.29
5.35	0.09	0.00	0.09	7.95	0.31	0.00	0.31
5.40	0.09	0.00	0.09	8.00	0.34	0.00	0.34
5.45	0.09	0.00	0.09	8.05	0.37	0.00	0.37
5.50	0.09	0.00	0.09	8.10	0.40	0.00	0.40
5.55	0.09	0.00	0.09	8.15	0.42	0.00	0.42
5.60	0.09	0.00	0.09	8.20	0.45	0.00	0.45
5.65	0.09	0.00	0.09	8.25	0.48	0.00	0.48
5.70	0.09	0.00	0.09	8.30	0.51	0.00	0.51
5.75	0.09	0.00	0.09	8.35	0.54	0.00	0.54
5.80	0.09	0.00	0.09	8.40	0.57	0.00	0.57
5.85	0.09	0.00	0.09	8.45	0.60	0.00	0.60
5.90	0.09	0.00	0.09	8.50	0.64	0.00	0.64
5.95	0.09	0.00	0.09	8.55	0.67	0.00	0.67
6.00	0.09	0.00	0.09	8.60	0.70	0.00	0.70
6.05	0.10	0.00	0.10	8.65	0.73	0.00	0.73
6.10	0.10	0.00	0.10	8.70	0.77	0.00	0.77
6.15	0.10	0.00	0.10	8.75	0.80	0.00	0.80
6.20	0.10	0.00	0.10	8.80	0.84	0.00	0.84
6.25	0.10	0.00	0.10	8.85	0.87	0.00	0.87
6.30	0.10	0.00	0.10	8.90	0.91	0.00	0.91
6.35	0.10	0.00	0.10	8.95	0.94	0.00	0.94
6.40	0.10	0.00	0.10	9.00	0.98	0.00	0.98
6.45	0.10	0.00	0.10	9.05	1.02	0.00	1.02
6.50	0.10	0.00	0.10	9.10	1.05	0.00	1.05
6.55	0.10	0.00	0.10	9.15	1.09	0.00	1.09
6.60	0.10	0.00	0.10	9.20	1.14	0.00	1.14
6.65	0.11	0.00	0.11	9.25	1.18	0.00	1.18
6.70	0.11	0.00	0.11	9.30	1.23	0.00	1.23
6.75	0.11	0.00	0.11	9.35	1.29	0.00	1.29
6.80	0.11	0.00	0.11	9.40	1.34	0.00	1.34
6.85	0.11	0.00	0.11	9.45	1.41	0.00	1.41
6.90	0.11	0.00	0.11	9.50	1.47	0.00	1.47
6.95	0.11	0.00	0.11	9.55	1.54	0.00	1.54
7.00	0.11	0.00	0.11	9.60	1.61	0.00	1.61
7.05	0.12	0.00	0.12	9.65	1.69	0.00	1.69
7.10	0.12	0.00	0.12	9.70	1.77	0.00	1.77
7.15	0.12	0.00	0.12	9.75	1.85	0.00	1.85
7.20	0.12	0.00	0.12	9.80	1.93	0.00	1.93
7.25	0.12	0.00	0.12	9.85	2.02	0.00	2.02
7.30	0.12	0.00	0.12	9.90	2.11	0.00	2.11
7.35	0.12	0.00	0.12	9.95	2.20	0.00	2.20
7.40	0.13	0.00	0.13	10.00	2.29	0.00	2.29
7.45	0.13	0.00	0.13	10.05	2.39	0.00	2.39
7.50	0.14	0.00	0.14	10.10	2.49	0.00	2.49
7.55	0.15	0.00	0.15	10.15	2.59	0.00	2.59
7.60	0.16	0.00	0.16	10.20	2.69	0.00	2.69
7.65	0.18	0.00	0.18	10.25	2.80	0.00	2.80
7.70	0.20	0.00	0.20	10.30	2.90	0.00	2.90
7.75	0.22	0.00	0.22	10.35	3.02	0.00	3.02

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.13	0.00	3.13	13.00	32.86	0.00	32.86
10.45	3.25	0.00	3.25	13.05	30.29	0.00	30.29
10.50	3.36	0.00	3.36	13.10	28.10	0.00	28.10
10.55	3.49	0.00	3.49	13.15	26.18	0.00	26.18
10.60	3.61	0.00	3.61	13.20	24.46	0.00	24.46
10.65	3.75	0.00	3.75	13.25	22.91	0.00	22.91
10.70	3.91	0.00	3.91	13.30	21.52	0.00	21.52
10.75	4.09	0.00	4.09	13.35	20.26	0.00	20.26
10.80	4.30	0.00	4.30	13.40	19.13	0.00	19.13
10.85	4.54	0.00	4.54	13.45	18.10	0.00	18.10
10.90	4.80	0.00	4.80	13.50	17.16	0.00	17.16
10.95	5.10	0.00	5.10	13.55	16.32	0.00	16.32
11.00	5.41	0.00	5.41	13.60	15.56	0.00	15.56
11.05	5.75	0.00	5.75	13.65	14.85	0.00	14.85
11.10	6.11	0.00	6.11	13.70	14.17	0.00	14.17
11.15	6.50	0.00	6.50	13.75	13.54	0.00	13.54
11.20	6.93	0.00	6.93	13.80	12.96	0.00	12.96
11.25	7.40	0.00	7.40	13.85	12.44	0.00	12.44
11.30	7.93	0.00	7.93	13.90	11.99	0.00	11.99
11.35	8.52	0.00	8.52	13.95	11.60	0.00	11.60
11.40	9.16	0.00	9.16	14.00	11.27	0.00	11.27
11.45	9.84	0.00	9.84	14.05	10.98	0.00	10.98
11.50	10.57	0.00	10.57	14.10	10.72	0.00	10.72
11.55	11.35	0.00	11.35	14.15	10.49	0.00	10.49
11.60	12.23	0.00	12.23	14.20	10.28	0.00	10.28
11.65	13.31	0.00	13.31	14.25	10.09	0.00	10.09
11.70	14.67	0.00	14.67	14.30	9.90	0.00	9.90
11.75	16.36	0.00	16.36	14.35	9.72	0.00	9.72
11.80	18.40	0.00	18.40	14.40	9.55	0.00	9.55
11.85	20.80	0.00	20.80	14.45	9.38	0.00	9.38
11.90	23.71	0.00	23.71	14.50	9.21	0.00	9.21
11.95	27.38	0.00	27.38	14.55	9.05	0.00	9.05
12.00	32.21	0.00	32.21	14.60	8.89	0.00	8.89
12.05	38.72	0.00	38.72	14.65	8.73	0.00	8.73
12.10	47.95	0.00	47.95	14.70	8.57	0.00	8.57
12.15	60.57	0.00	60.57	14.75	8.41	0.00	8.41
12.20	75.93	0.00	75.93	14.80	8.25	0.00	8.25
12.25	91.70	0.00	91.70	14.85	8.08	0.00	8.08
12.30	104.31	0.00	104.31	14.90	7.93	0.00	7.93
12.35	**110.51**	0.00	**110.51**	14.95	7.77	0.00	7.77
12.40	110.23	0.00	110.23	15.00	7.61	0.00	7.61
12.45	105.10	0.00	105.10	15.05	7.45	0.00	7.45
12.50	96.55	0.00	96.55	15.10	7.29	0.00	7.29
12.55	86.50	0.00	86.50	15.15	7.13	0.00	7.13
12.60	76.79	0.00	76.79	15.20	6.97	0.00	6.97
12.65	68.51	0.00	68.51	15.25	6.82	0.00	6.82
12.70	61.27	0.00	61.27	15.30	6.67	0.00	6.67
12.75	54.77	0.00	54.77	15.35	6.54	0.00	6.54
12.80	48.97	0.00	48.97	15.40	6.43	0.00	6.43
12.85	43.96	0.00	43.96	15.45	6.33	0.00	6.33
12.90	39.64	0.00	39.64	15.50	6.24	0.00	6.24
12.95	35.95	0.00	35.95	15.55	6.17	0.00	6.17

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.10	0.00	6.10	18.20	3.82	0.00	3.82
15.65	6.04	0.00	6.04	18.25	3.78	0.00	3.78
15.70	5.99	0.00	5.99	18.30	3.74	0.00	3.74
15.75	5.94	0.00	5.94	18.35	3.70	0.00	3.70
15.80	5.89	0.00	5.89	18.40	3.67	0.00	3.67
15.85	5.84	0.00	5.84	18.45	3.65	0.00	3.65
15.90	5.79	0.00	5.79	18.50	3.62	0.00	3.62
15.95	5.74	0.00	5.74	18.55	3.60	0.00	3.60
16.00	5.70	0.00	5.70	18.60	3.59	0.00	3.59
16.05	5.66	0.00	5.66	18.65	3.57	0.00	3.57
16.10	5.61	0.00	5.61	18.70	3.55	0.00	3.55
16.15	5.57	0.00	5.57	18.75	3.54	0.00	3.54
16.20	5.53	0.00	5.53	18.80	3.53	0.00	3.53
16.25	5.49	0.00	5.49	18.85	3.52	0.00	3.52
16.30	5.44	0.00	5.44	18.90	3.51	0.00	3.51
16.35	5.40	0.00	5.40	18.95	3.49	0.00	3.49
16.40	5.36	0.00	5.36	19.00	3.48	0.00	3.48
16.45	5.32	0.00	5.32	19.05	3.47	0.00	3.47
16.50	5.28	0.00	5.28	19.10	3.46	0.00	3.46
16.55	5.23	0.00	5.23	19.15	3.45	0.00	3.45
16.60	5.19	0.00	5.19	19.20	3.44	0.00	3.44
16.65	5.15	0.00	5.15	19.25	3.43	0.00	3.43
16.70	5.10	0.00	5.10	19.30	3.42	0.00	3.42
16.75	5.06	0.00	5.06	19.35	3.41	0.00	3.41
16.80	5.02	0.00	5.02	19.40	3.40	0.00	3.40
16.85	4.98	0.00	4.98	19.45	3.38	0.00	3.38
16.90	4.94	0.00	4.94	19.50	3.37	0.00	3.37
16.95	4.89	0.00	4.89	19.55	3.36	0.00	3.36
17.00	4.85	0.00	4.85	19.60	3.35	0.00	3.35
17.05	4.81	0.00	4.81	19.65	3.34	0.00	3.34
17.10	4.77	0.00	4.77	19.70	3.33	0.00	3.33
17.15	4.72	0.00	4.72	19.75	3.32	0.00	3.32
17.20	4.68	0.00	4.68	19.80	3.31	0.00	3.31
17.25	4.64	0.00	4.64	19.85	3.30	0.00	3.30
17.30	4.60	0.00	4.60	19.90	3.29	0.00	3.29
17.35	4.55	0.00	4.55	19.95	3.28	0.00	3.28
17.40	4.51	0.00	4.51	20.00	3.27	0.00	3.27
17.45	4.47	0.00	4.47	20.05	3.26	0.00	3.26
17.50	4.42	0.00	4.42	20.10	3.25	0.00	3.25
17.55	4.38	0.00	4.38	20.15	3.24	0.00	3.24
17.60	4.34	0.00	4.34	20.20	3.23	0.00	3.23
17.65	4.29	0.00	4.29	20.25	3.22	0.00	3.22
17.70	4.25	0.00	4.25	20.30	3.21	0.00	3.21
17.75	4.21	0.00	4.21	20.35	3.20	0.00	3.20
17.80	4.16	0.00	4.16	20.40	3.18	0.00	3.18
17.85	4.12	0.00	4.12	20.45	3.17	0.00	3.17
17.90	4.08	0.00	4.08	20.50	3.16	0.00	3.16
17.95	4.04	0.00	4.04	20.55	3.15	0.00	3.15
18.00	3.99	0.00	3.99	20.60	3.14	0.00	3.14
18.05	3.95	0.00	3.95	20.65	3.13	0.00	3.13
18.10	3.90	0.00	3.90	20.70	3.12	0.00	3.12
18.15	3.86	0.00	3.86	20.75	3.11	0.00	3.11

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.10	0.00	3.10	23.40	2.53	0.00	2.53
20.85	3.09	0.00	3.09	23.45	2.52	0.00	2.52
20.90	3.08	0.00	3.08	23.50	2.51	0.00	2.51
20.95	3.07	0.00	3.07	23.55	2.50	0.00	2.50
21.00	3.06	0.00	3.06	23.60	2.49	0.00	2.49
21.05	3.05	0.00	3.05	23.65	2.48	0.00	2.48
21.10	3.03	0.00	3.03	23.70	2.47	0.00	2.47
21.15	3.02	0.00	3.02	23.75	2.46	0.00	2.46
21.20	3.01	0.00	3.01	23.80	2.45	0.00	2.45
21.25	3.00	0.00	3.00	23.85	2.44	0.00	2.44
21.30	2.99	0.00	2.99	23.90	2.43	0.00	2.43
21.35	2.98	0.00	2.98	23.95	2.42	0.00	2.42
21.40	2.97	0.00	2.97	24.00	2.41	0.00	2.41
21.45	2.96	0.00	2.96	24.05	2.41	0.00	2.41
21.50	2.95	0.00	2.95	24.10	2.41	0.00	2.41
21.55	2.94	0.00	2.94	24.15	2.37	0.00	2.37
21.60	2.93	0.00	2.93	24.20	2.24	0.00	2.24
21.65	2.92	0.00	2.92	24.25	2.02	0.00	2.02
21.70	2.91	0.00	2.91	24.30	1.74	0.00	1.74
21.75	2.89	0.00	2.89	24.35	1.42	0.00	1.42
21.80	2.88	0.00	2.88	24.40	1.12	0.00	1.12
21.85	2.87	0.00	2.87	24.45	0.85	0.00	0.85
21.90	2.86	0.00	2.86	24.50	0.64	0.00	0.64
21.95	2.85	0.00	2.85	24.55	0.48	0.00	0.48
22.00	2.84	0.00	2.84	24.60	0.36	0.00	0.36
22.05	2.83	0.00	2.83	24.65	0.27	0.00	0.27
22.10	2.82	0.00	2.82	24.70	0.21	0.00	0.21
22.15	2.81	0.00	2.81	24.75	0.15	0.00	0.15
22.20	2.80	0.00	2.80	24.80	0.12	0.00	0.12
22.25	2.79	0.00	2.79	24.85	0.09	0.00	0.09
22.30	2.78	0.00	2.78	24.90	0.07	0.00	0.07
22.35	2.77	0.00	2.77	24.95	0.05	0.00	0.05
22.40	2.76	0.00	2.76	25.00	0.04	0.00	0.04
22.45	2.75	0.00	2.75	25.05	0.03	0.00	0.03
22.50	2.73	0.00	2.73	25.10	0.02	0.00	0.02
22.55	2.72	0.00	2.72	25.15	0.01	0.00	0.01
22.60	2.71	0.00	2.71	25.20	0.01	0.00	0.01
22.65	2.70	0.00	2.70	25.25	0.01	0.00	0.01
22.70	2.69	0.00	2.69	25.30	0.00	0.00	0.00
22.75	2.68	0.00	2.68	25.35	0.00	0.00	0.00
22.80	2.67	0.00	2.67	25.40	0.00	0.00	0.00
22.85	2.66	0.00	2.66	25.45	0.00	0.00	0.00
22.90	2.65	0.00	2.65	25.50	0.00	0.00	0.00
22.95	2.63	0.00	2.63	25.55	0.00	0.00	0.00
23.00	2.62	0.00	2.62	25.60	0.00	0.00	0.00
23.05	2.61	0.00	2.61	25.65	0.00	0.00	0.00
23.10	2.60	0.00	2.60	25.70	0.00	0.00	0.00
23.15	2.59	0.00	2.59	25.75	0.00	0.00	0.00
23.20	2.58	0.00	2.58	25.80	0.00	0.00	0.00
23.25	2.57	0.00	2.57	25.85	0.00	0.00	0.00
23.30	2.56	0.00	2.56	25.90	0.00	0.00	0.00
23.35	2.55	0.00	2.55	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

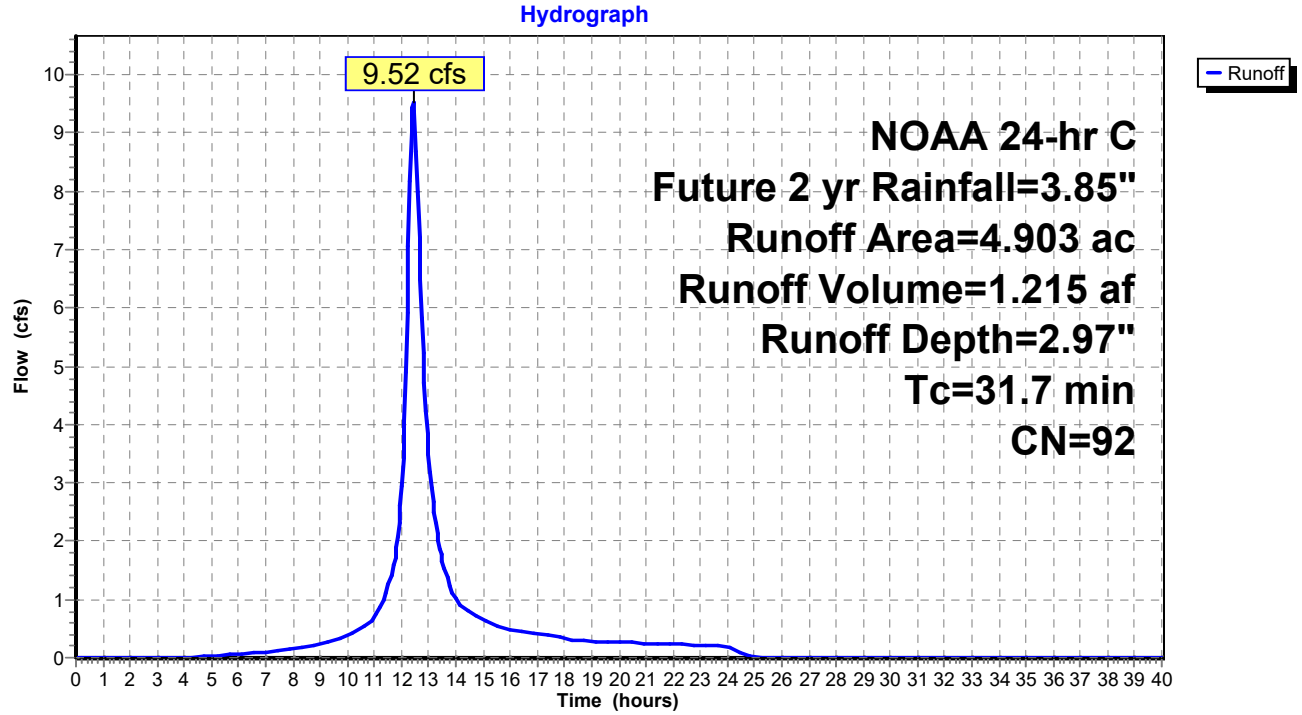
Runoff = 9.52 cfs @ 12.43 hrs, Volume= 1.215 af, Depth= 2.97"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.01
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.01
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.01
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.01
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.01
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.01
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.01
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.02
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.02
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.02
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.02
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.02
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.02
2.40	0.11	0.00	0.00	5.00	0.24	0.01	0.03
2.45	0.11	0.00	0.00	5.05	0.25	0.01	0.03
2.50	0.11	0.00	0.00	5.10	0.25	0.01	0.03
2.55	0.11	0.00	0.00	5.15	0.25	0.01	0.03

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.01	0.03	7.80	0.44	0.06	0.15
5.25	0.26	0.01	0.03	7.85	0.45	0.07	0.16
5.30	0.26	0.01	0.04	7.90	0.45	0.07	0.16
5.35	0.27	0.01	0.04	7.95	0.46	0.07	0.16
5.40	0.27	0.01	0.04	8.00	0.46	0.07	0.17
5.45	0.27	0.01	0.04	8.05	0.47	0.07	0.17
5.50	0.27	0.01	0.04	8.10	0.47	0.08	0.17
5.55	0.28	0.01	0.04	8.15	0.48	0.08	0.18
5.60	0.28	0.01	0.05	8.20	0.48	0.08	0.18
5.65	0.28	0.01	0.05	8.25	0.49	0.08	0.18
5.70	0.29	0.01	0.05	8.30	0.49	0.08	0.19
5.75	0.29	0.01	0.05	8.35	0.49	0.09	0.19
5.80	0.29	0.01	0.05	8.40	0.50	0.09	0.19
5.85	0.30	0.01	0.05	8.45	0.50	0.09	0.20
5.90	0.30	0.02	0.06	8.50	0.51	0.09	0.20
5.95	0.30	0.02	0.06	8.55	0.51	0.10	0.21
6.00	0.31	0.02	0.06	8.60	0.52	0.10	0.21
6.05	0.31	0.02	0.06	8.65	0.53	0.10	0.21
6.10	0.31	0.02	0.06	8.70	0.53	0.10	0.22
6.15	0.31	0.02	0.06	8.75	0.54	0.11	0.22
6.20	0.32	0.02	0.07	8.80	0.54	0.11	0.22
6.25	0.32	0.02	0.07	8.85	0.55	0.11	0.23
6.30	0.32	0.02	0.07	8.90	0.55	0.11	0.23
6.35	0.33	0.02	0.07	8.95	0.56	0.12	0.24
6.40	0.33	0.02	0.07	9.00	0.56	0.12	0.24
6.45	0.33	0.03	0.08	9.05	0.57	0.12	0.24
6.50	0.34	0.03	0.08	9.10	0.57	0.13	0.25
6.55	0.34	0.03	0.08	9.15	0.58	0.13	0.25
6.60	0.35	0.03	0.08	9.20	0.59	0.13	0.26
6.65	0.35	0.03	0.08	9.25	0.59	0.14	0.26
6.70	0.35	0.03	0.09	9.30	0.60	0.14	0.27
6.75	0.36	0.03	0.09	9.35	0.60	0.14	0.27
6.80	0.36	0.03	0.09	9.40	0.61	0.15	0.28
6.85	0.36	0.03	0.09	9.45	0.62	0.15	0.29
6.90	0.37	0.04	0.10	9.50	0.62	0.15	0.30
6.95	0.37	0.04	0.10	9.55	0.63	0.16	0.30
7.00	0.38	0.04	0.10	9.60	0.64	0.16	0.31
7.05	0.38	0.04	0.11	9.65	0.65	0.17	0.32
7.10	0.38	0.04	0.11	9.70	0.65	0.17	0.33
7.15	0.39	0.04	0.11	9.75	0.66	0.18	0.34
7.20	0.39	0.04	0.11	9.80	0.67	0.18	0.35
7.25	0.40	0.05	0.12	9.85	0.68	0.18	0.36
7.30	0.40	0.05	0.12	9.90	0.69	0.19	0.37
7.35	0.40	0.05	0.12	9.95	0.69	0.19	0.38
7.40	0.41	0.05	0.13	10.00	0.70	0.20	0.40
7.45	0.41	0.05	0.13	10.05	0.71	0.20	0.41
7.50	0.42	0.05	0.13	10.10	0.72	0.21	0.42
7.55	0.42	0.05	0.14	10.15	0.73	0.22	0.43
7.60	0.43	0.06	0.14	10.20	0.74	0.22	0.44
7.65	0.43	0.06	0.14	10.25	0.75	0.23	0.45
7.70	0.43	0.06	0.15	10.30	0.76	0.23	0.47
7.75	0.44	0.06	0.15	10.35	0.76	0.24	0.48

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.25	0.49	13.00	2.93	2.09	3.49
10.45	0.78	0.25	0.50	13.05	2.94	2.11	3.18
10.50	0.79	0.26	0.51	13.10	2.96	2.12	2.91
10.55	0.80	0.26	0.53	13.15	2.97	2.13	2.68
10.60	0.82	0.27	0.54	13.20	2.98	2.15	2.48
10.65	0.83	0.28	0.55	13.25	3.00	2.16	2.30
10.70	0.84	0.29	0.57	13.30	3.01	2.17	2.15
10.75	0.85	0.30	0.59	13.35	3.02	2.18	2.00
10.80	0.87	0.31	0.61	13.40	3.03	2.19	1.88
10.85	0.88	0.32	0.63	13.45	3.05	2.20	1.76
10.90	0.89	0.33	0.66	13.50	3.06	2.21	1.66
10.95	0.91	0.34	0.69	13.55	3.07	2.22	1.57
11.00	0.92	0.35	0.72	13.60	3.08	2.23	1.48
11.05	0.94	0.36	0.75	13.65	3.09	2.24	1.41
11.10	0.96	0.37	0.79	13.70	3.09	2.25	1.33
11.15	0.98	0.39	0.83	13.75	3.10	2.26	1.26
11.20	1.00	0.40	0.87	13.80	3.11	2.27	1.20
11.25	1.02	0.42	0.92	13.85	3.12	2.28	1.15
11.30	1.04	0.43	0.97	13.90	3.13	2.29	1.09
11.35	1.06	0.45	1.03	13.95	3.14	2.29	1.05
11.40	1.09	0.47	1.09	14.00	3.15	2.30	1.01
11.45	1.11	0.49	1.15	14.05	3.16	2.31	0.98
11.50	1.14	0.51	1.22	14.10	3.16	2.32	0.95
11.55	1.18	0.54	1.30	14.15	3.17	2.32	0.93
11.60	1.22	0.57	1.38	14.20	3.18	2.33	0.90
11.65	1.26	0.60	1.47	14.25	3.19	2.34	0.88
11.70	1.30	0.63	1.58	14.30	3.20	2.35	0.86
11.75	1.35	0.68	1.72	14.35	3.20	2.35	0.84
11.80	1.41	0.73	1.89	14.40	3.21	2.36	0.83
11.85	1.49	0.79	2.08	14.45	3.22	2.37	0.81
11.90	1.57	0.86	2.32	14.50	3.23	2.37	0.80
11.95	1.70	0.97	2.60	14.55	3.23	2.38	0.78
12.00	1.83	1.09	2.96	14.60	3.24	2.39	0.77
12.05	2.06	1.29	3.42	14.65	3.25	2.39	0.75
12.10	2.28	1.49	4.05	14.70	3.25	2.40	0.74
12.15	2.36	1.57	4.89	14.75	3.26	2.41	0.72
12.20	2.44	1.64	5.92	14.80	3.26	2.41	0.71
12.25	2.50	1.69	7.07	14.85	3.27	2.42	0.70
12.30	2.55	1.74	8.16	14.90	3.28	2.42	0.68
12.35	2.59	1.78	9.01	14.95	3.28	2.43	0.67
12.40	2.63	1.82	9.44	15.00	3.29	2.43	0.65
12.45	2.67	1.85	**9.50**	15.05	3.29	2.44	0.64
12.50	2.71	1.89	9.22	15.10	3.30	2.44	0.63
12.55	2.74	1.91	8.67	15.15	3.30	2.45	0.61
12.60	2.76	1.94	7.98	15.20	3.31	2.45	0.60
12.65	2.79	1.96	7.22	15.25	3.31	2.46	0.59
12.70	2.81	1.98	6.47	15.30	3.32	2.46	0.57
12.75	2.83	2.00	5.82	15.35	3.32	2.47	0.56
12.80	2.85	2.02	5.23	15.40	3.33	2.47	0.55
12.85	2.87	2.04	4.71	15.45	3.34	2.48	0.54
12.90	2.89	2.06	4.25	15.50	3.34	2.48	0.53
12.95	2.91	2.08	3.84	15.55	3.35	2.49	0.52

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	2.49	0.52	18.20	3.56	2.69	0.32
15.65	3.36	2.50	0.51	18.25	3.56	2.69	0.31
15.70	3.36	2.50	0.50	18.30	3.56	2.70	0.31
15.75	3.36	2.51	0.50	18.35	3.57	2.70	0.31
15.80	3.37	2.51	0.49	18.40	3.57	2.70	0.31
15.85	3.37	2.52	0.49	18.45	3.57	2.71	0.30
15.90	3.38	2.52	0.49	18.50	3.58	2.71	0.30
15.95	3.38	2.53	0.48	18.55	3.58	2.71	0.30
16.00	3.39	2.53	0.48	18.60	3.58	2.71	0.30
16.05	3.39	2.53	0.47	18.65	3.58	2.72	0.29
16.10	3.40	2.54	0.47	18.70	3.59	2.72	0.29
16.15	3.40	2.54	0.47	18.75	3.59	2.72	0.29
16.20	3.41	2.55	0.46	18.80	3.59	2.73	0.29
16.25	3.41	2.55	0.46	18.85	3.60	2.73	0.29
16.30	3.42	2.56	0.45	18.90	3.60	2.73	0.29
16.35	3.42	2.56	0.45	18.95	3.60	2.73	0.29
16.40	3.42	2.56	0.45	19.00	3.61	2.74	0.29
16.45	3.43	2.57	0.44	19.05	3.61	2.74	0.28
16.50	3.43	2.57	0.44	19.10	3.61	2.74	0.28
16.55	3.44	2.58	0.44	19.15	3.61	2.75	0.28
16.60	3.44	2.58	0.43	19.20	3.62	2.75	0.28
16.65	3.45	2.59	0.43	19.25	3.62	2.75	0.28
16.70	3.45	2.59	0.43	19.30	3.62	2.75	0.28
16.75	3.45	2.59	0.42	19.35	3.63	2.76	0.28
16.80	3.46	2.60	0.42	19.40	3.63	2.76	0.28
16.85	3.46	2.60	0.41	19.45	3.63	2.76	0.28
16.90	3.47	2.60	0.41	19.50	3.63	2.76	0.28
16.95	3.47	2.61	0.41	19.55	3.64	2.77	0.28
17.00	3.47	2.61	0.40	19.60	3.64	2.77	0.27
17.05	3.48	2.62	0.40	19.65	3.64	2.77	0.27
17.10	3.48	2.62	0.40	19.70	3.65	2.78	0.27
17.15	3.49	2.62	0.39	19.75	3.65	2.78	0.27
17.20	3.49	2.63	0.39	19.80	3.65	2.78	0.27
17.25	3.49	2.63	0.39	19.85	3.65	2.78	0.27
17.30	3.50	2.63	0.38	19.90	3.66	2.79	0.27
17.35	3.50	2.64	0.38	19.95	3.66	2.79	0.27
17.40	3.50	2.64	0.38	20.00	3.66	2.79	0.27
17.45	3.51	2.64	0.37	20.05	3.66	2.79	0.27
17.50	3.51	2.65	0.37	20.10	3.67	2.80	0.27
17.55	3.52	2.65	0.36	20.15	3.67	2.80	0.27
17.60	3.52	2.65	0.36	20.20	3.67	2.80	0.26
17.65	3.52	2.66	0.36	20.25	3.68	2.80	0.26
17.70	3.53	2.66	0.35	20.30	3.68	2.81	0.26
17.75	3.53	2.66	0.35	20.35	3.68	2.81	0.26
17.80	3.53	2.67	0.35	20.40	3.68	2.81	0.26
17.85	3.54	2.67	0.34	20.45	3.69	2.81	0.26
17.90	3.54	2.67	0.34	20.50	3.69	2.82	0.26
17.95	3.54	2.68	0.34	20.55	3.69	2.82	0.26
18.00	3.54	2.68	0.33	20.60	3.69	2.82	0.26
18.05	3.55	2.68	0.33	20.65	3.70	2.82	0.26
18.10	3.55	2.69	0.33	20.70	3.70	2.83	0.25
18.15	3.55	2.69	0.32	20.75	3.70	2.83	0.25

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	2.83	0.25	23.40	3.82	2.95	0.21
20.85	3.71	2.83	0.25	23.45	3.83	2.95	0.21
20.90	3.71	2.84	0.25	23.50	3.83	2.95	0.20
20.95	3.71	2.84	0.25	23.55	3.83	2.95	0.20
21.00	3.71	2.84	0.25	23.60	3.83	2.96	0.20
21.05	3.72	2.84	0.25	23.65	3.84	2.96	0.20
21.10	3.72	2.85	0.25	23.70	3.84	2.96	0.20
21.15	3.72	2.85	0.25	23.75	3.84	2.96	0.20
21.20	3.72	2.85	0.25	23.80	3.84	2.96	0.20
21.25	3.73	2.85	0.25	23.85	3.84	2.97	0.20
21.30	3.73	2.86	0.24	23.90	3.85	2.97	0.20
21.35	3.73	2.86	0.24	23.95	3.85	2.97	0.20
21.40	3.73	2.86	0.24	24.00	**3.85**	**2.97**	0.20
21.45	3.74	2.86	0.24	24.05	3.85	2.97	0.20
21.50	3.74	2.87	0.24	24.10	3.85	2.97	0.19
21.55	3.74	2.87	0.24	24.15	3.85	2.97	0.19
21.60	3.74	2.87	0.24	24.20	3.85	2.97	0.19
21.65	3.75	2.87	0.24	24.25	3.85	2.97	0.18
21.70	3.75	2.88	0.24	24.30	3.85	2.97	0.16
21.75	3.75	2.88	0.24	24.35	3.85	2.97	0.14
21.80	3.75	2.88	0.24	24.40	3.85	2.97	0.12
21.85	3.76	2.88	0.23	24.45	3.85	2.97	0.10
21.90	3.76	2.88	0.23	24.50	3.85	2.97	0.08
21.95	3.76	2.89	0.23	24.55	3.85	2.97	0.07
22.00	3.76	2.89	0.23	24.60	3.85	2.97	0.05
22.05	3.77	2.89	0.23	24.65	3.85	2.97	0.04
22.10	3.77	2.89	0.23	24.70	3.85	2.97	0.03
22.15	3.77	2.90	0.23	24.75	3.85	2.97	0.03
22.20	3.77	2.90	0.23	24.80	3.85	2.97	0.02
22.25	3.77	2.90	0.23	24.85	3.85	2.97	0.02
22.30	3.78	2.90	0.23	24.90	3.85	2.97	0.01
22.35	3.78	2.90	0.23	24.95	3.85	2.97	0.01
22.40	3.78	2.91	0.22	25.00	3.85	2.97	0.01
22.45	3.78	2.91	0.22	25.05	3.85	2.97	0.01
22.50	3.79	2.91	0.22	25.10	3.85	2.97	0.00
22.55	3.79	2.91	0.22	25.15	3.85	2.97	0.00
22.60	3.79	2.92	0.22	25.20	3.85	2.97	0.00
22.65	3.79	2.92	0.22	25.25	3.85	2.97	0.00
22.70	3.79	2.92	0.22	25.30	3.85	2.97	0.00
22.75	3.80	2.92	0.22	25.35	3.85	2.97	0.00
22.80	3.80	2.92	0.22	25.40	3.85	2.97	0.00
22.85	3.80	2.93	0.22	25.45	3.85	2.97	0.00
22.90	3.80	2.93	0.22	25.50	3.85	2.97	0.00
22.95	3.81	2.93	0.21	25.55	3.85	2.97	0.00
23.00	3.81	2.93	0.21	25.60	3.85	2.97	0.00
23.05	3.81	2.93	0.21	25.65	3.85	2.97	0.00
23.10	3.81	2.94	0.21	25.70	3.85	2.97	0.00
23.15	3.81	2.94	0.21	25.75	3.85	2.97	0.00
23.20	3.82	2.94	0.21	25.80	3.85	2.97	0.00
23.25	3.82	2.94	0.21	25.85	3.85	2.97	0.00
23.30	3.82	2.94	0.21	25.90	3.85	2.97	0.00
23.35	3.82	2.95	0.21	25.95	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	2.97	0.00	28.60	3.85	2.97	0.00
26.05	3.85	2.97	0.00	28.65	3.85	2.97	0.00
26.10	3.85	2.97	0.00	28.70	3.85	2.97	0.00
26.15	3.85	2.97	0.00	28.75	3.85	2.97	0.00
26.20	3.85	2.97	0.00	28.80	3.85	2.97	0.00
26.25	3.85	2.97	0.00	28.85	3.85	2.97	0.00
26.30	3.85	2.97	0.00	28.90	3.85	2.97	0.00
26.35	3.85	2.97	0.00	28.95	3.85	2.97	0.00
26.40	3.85	2.97	0.00	29.00	3.85	2.97	0.00
26.45	3.85	2.97	0.00	29.05	3.85	2.97	0.00
26.50	3.85	2.97	0.00	29.10	3.85	2.97	0.00
26.55	3.85	2.97	0.00	29.15	3.85	2.97	0.00
26.60	3.85	2.97	0.00	29.20	3.85	2.97	0.00
26.65	3.85	2.97	0.00	29.25	3.85	2.97	0.00
26.70	3.85	2.97	0.00	29.30	3.85	2.97	0.00
26.75	3.85	2.97	0.00	29.35	3.85	2.97	0.00
26.80	3.85	2.97	0.00	29.40	3.85	2.97	0.00
26.85	3.85	2.97	0.00	29.45	3.85	2.97	0.00
26.90	3.85	2.97	0.00	29.50	3.85	2.97	0.00
26.95	3.85	2.97	0.00	29.55	3.85	2.97	0.00
27.00	3.85	2.97	0.00	29.60	3.85	2.97	0.00
27.05	3.85	2.97	0.00	29.65	3.85	2.97	0.00
27.10	3.85	2.97	0.00	29.70	3.85	2.97	0.00
27.15	3.85	2.97	0.00	29.75	3.85	2.97	0.00
27.20	3.85	2.97	0.00	29.80	3.85	2.97	0.00
27.25	3.85	2.97	0.00	29.85	3.85	2.97	0.00
27.30	3.85	2.97	0.00	29.90	3.85	2.97	0.00
27.35	3.85	2.97	0.00	29.95	3.85	2.97	0.00
27.40	3.85	2.97	0.00	30.00	3.85	2.97	0.00
27.45	3.85	2.97	0.00	30.05	3.85	2.97	0.00
27.50	3.85	2.97	0.00	30.10	3.85	2.97	0.00
27.55	3.85	2.97	0.00	30.15	3.85	2.97	0.00
27.60	3.85	2.97	0.00	30.20	3.85	2.97	0.00
27.65	3.85	2.97	0.00	30.25	3.85	2.97	0.00
27.70	3.85	2.97	0.00	30.30	3.85	2.97	0.00
27.75	3.85	2.97	0.00	30.35	3.85	2.97	0.00
27.80	3.85	2.97	0.00	30.40	3.85	2.97	0.00
27.85	3.85	2.97	0.00	30.45	3.85	2.97	0.00
27.90	3.85	2.97	0.00	30.50	3.85	2.97	0.00
27.95	3.85	2.97	0.00	30.55	3.85	2.97	0.00
28.00	3.85	2.97	0.00	30.60	3.85	2.97	0.00
28.05	3.85	2.97	0.00	30.65	3.85	2.97	0.00
28.10	3.85	2.97	0.00	30.70	3.85	2.97	0.00
28.15	3.85	2.97	0.00	30.75	3.85	2.97	0.00
28.20	3.85	2.97	0.00	30.80	3.85	2.97	0.00
28.25	3.85	2.97	0.00	30.85	3.85	2.97	0.00
28.30	3.85	2.97	0.00	30.90	3.85	2.97	0.00
28.35	3.85	2.97	0.00	30.95	3.85	2.97	0.00
28.40	3.85	2.97	0.00	31.00	3.85	2.97	0.00
28.45	3.85	2.97	0.00	31.05	3.85	2.97	0.00
28.50	3.85	2.97	0.00	31.10	3.85	2.97	0.00
28.55	3.85	2.97	0.00	31.15	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	2.97	0.00	33.80	3.85	2.97	0.00
31.25	3.85	2.97	0.00	33.85	3.85	2.97	0.00
31.30	3.85	2.97	0.00	33.90	3.85	2.97	0.00
31.35	3.85	2.97	0.00	33.95	3.85	2.97	0.00
31.40	3.85	2.97	0.00	34.00	3.85	2.97	0.00
31.45	3.85	2.97	0.00	34.05	3.85	2.97	0.00
31.50	3.85	2.97	0.00	34.10	3.85	2.97	0.00
31.55	3.85	2.97	0.00	34.15	3.85	2.97	0.00
31.60	3.85	2.97	0.00	34.20	3.85	2.97	0.00
31.65	3.85	2.97	0.00	34.25	3.85	2.97	0.00
31.70	3.85	2.97	0.00	34.30	3.85	2.97	0.00
31.75	3.85	2.97	0.00	34.35	3.85	2.97	0.00
31.80	3.85	2.97	0.00	34.40	3.85	2.97	0.00
31.85	3.85	2.97	0.00	34.45	3.85	2.97	0.00
31.90	3.85	2.97	0.00	34.50	3.85	2.97	0.00
31.95	3.85	2.97	0.00	34.55	3.85	2.97	0.00
32.00	3.85	2.97	0.00	34.60	3.85	2.97	0.00
32.05	3.85	2.97	0.00	34.65	3.85	2.97	0.00
32.10	3.85	2.97	0.00	34.70	3.85	2.97	0.00
32.15	3.85	2.97	0.00	34.75	3.85	2.97	0.00
32.20	3.85	2.97	0.00	34.80	3.85	2.97	0.00
32.25	3.85	2.97	0.00	34.85	3.85	2.97	0.00
32.30	3.85	2.97	0.00	34.90	3.85	2.97	0.00
32.35	3.85	2.97	0.00	34.95	3.85	2.97	0.00
32.40	3.85	2.97	0.00	35.00	3.85	2.97	0.00
32.45	3.85	2.97	0.00	35.05	3.85	2.97	0.00
32.50	3.85	2.97	0.00	35.10	3.85	2.97	0.00
32.55	3.85	2.97	0.00	35.15	3.85	2.97	0.00
32.60	3.85	2.97	0.00	35.20	3.85	2.97	0.00
32.65	3.85	2.97	0.00	35.25	3.85	2.97	0.00
32.70	3.85	2.97	0.00	35.30	3.85	2.97	0.00
32.75	3.85	2.97	0.00	35.35	3.85	2.97	0.00
32.80	3.85	2.97	0.00	35.40	3.85	2.97	0.00
32.85	3.85	2.97	0.00	35.45	3.85	2.97	0.00
32.90	3.85	2.97	0.00	35.50	3.85	2.97	0.00
32.95	3.85	2.97	0.00	35.55	3.85	2.97	0.00
33.00	3.85	2.97	0.00	35.60	3.85	2.97	0.00
33.05	3.85	2.97	0.00	35.65	3.85	2.97	0.00
33.10	3.85	2.97	0.00	35.70	3.85	2.97	0.00
33.15	3.85	2.97	0.00	35.75	3.85	2.97	0.00
33.20	3.85	2.97	0.00	35.80	3.85	2.97	0.00
33.25	3.85	2.97	0.00	35.85	3.85	2.97	0.00
33.30	3.85	2.97	0.00	35.90	3.85	2.97	0.00
33.35	3.85	2.97	0.00	35.95	3.85	2.97	0.00
33.40	3.85	2.97	0.00	36.00	3.85	2.97	0.00
33.45	3.85	2.97	0.00	36.05	3.85	2.97	0.00
33.50	3.85	2.97	0.00	36.10	3.85	2.97	0.00
33.55	3.85	2.97	0.00	36.15	3.85	2.97	0.00
33.60	3.85	2.97	0.00	36.20	3.85	2.97	0.00
33.65	3.85	2.97	0.00	36.25	3.85	2.97	0.00
33.70	3.85	2.97	0.00	36.30	3.85	2.97	0.00
33.75	3.85	2.97	0.00	36.35	3.85	2.97	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	2.97	0.00
36.45	3.85	2.97	0.00
36.50	3.85	2.97	0.00
36.55	3.85	2.97	0.00
36.60	3.85	2.97	0.00
36.65	3.85	2.97	0.00
36.70	3.85	2.97	0.00
36.75	3.85	2.97	0.00
36.80	3.85	2.97	0.00
36.85	3.85	2.97	0.00
36.90	3.85	2.97	0.00
36.95	3.85	2.97	0.00
37.00	3.85	2.97	0.00
37.05	3.85	2.97	0.00
37.10	3.85	2.97	0.00
37.15	3.85	2.97	0.00
37.20	3.85	2.97	0.00
37.25	3.85	2.97	0.00
37.30	3.85	2.97	0.00
37.35	3.85	2.97	0.00
37.40	3.85	2.97	0.00
37.45	3.85	2.97	0.00
37.50	3.85	2.97	0.00
37.55	3.85	2.97	0.00
37.60	3.85	2.97	0.00
37.65	3.85	2.97	0.00
37.70	3.85	2.97	0.00
37.75	3.85	2.97	0.00
37.80	3.85	2.97	0.00
37.85	3.85	2.97	0.00
37.90	3.85	2.97	0.00
37.95	3.85	2.97	0.00
38.00	3.85	2.97	0.00
38.05	3.85	2.97	0.00
38.10	3.85	2.97	0.00
38.15	3.85	2.97	0.00
38.20	3.85	2.97	0.00
38.25	3.85	2.97	0.00
38.30	3.85	2.97	0.00
38.35	3.85	2.97	0.00
38.40	3.85	2.97	0.00
38.45	3.85	2.97	0.00
38.50	3.85	2.97	0.00
38.55	3.85	2.97	0.00
38.60	3.85	2.97	0.00
38.65	3.85	2.97	0.00
38.70	3.85	2.97	0.00
38.75	3.85	2.97	0.00
38.80	3.85	2.97	0.00
38.85	3.85	2.97	0.00
38.90	3.85	2.97	0.00
38.95	3.85	2.97	0.00
39.00	3.85	2.97	0.00
39.05	3.85	2.97	0.00
39.10	3.85	2.97	0.00
39.15	3.85	2.97	0.00
39.20	3.85	2.97	0.00
39.25	3.85	2.97	0.00
39.30	3.85	2.97	0.00
39.35	3.85	2.97	0.00
39.40	3.85	2.97	0.00
39.45	3.85	2.97	0.00
39.50	3.85	2.97	0.00
39.55	3.85	2.97	0.00
39.60	3.85	2.97	0.00
39.65	3.85	2.97	0.00
39.70	3.85	2.97	0.00
39.75	3.85	2.97	0.00
39.80	3.85	2.97	0.00
39.85	3.85	2.97	0.00
39.90	3.85	2.97	0.00
39.95	3.85	2.97	0.00
40.00	3.85	2.97	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

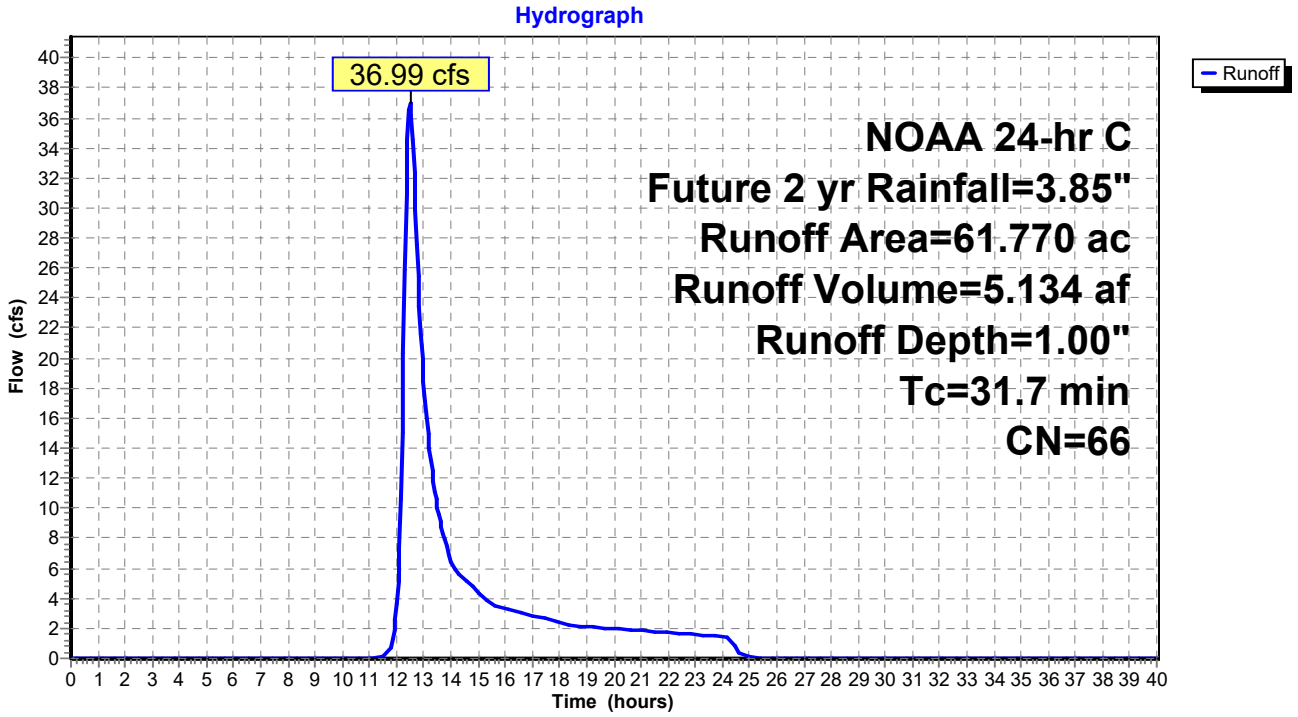
Runoff = 36.99 cfs @ 12.49 hrs, Volume= 5.134 af, Depth= 1.00"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.51	18.44
10.45	0.78	0.00	0.00	13.05	2.94	0.52	17.11
10.50	0.79	0.00	0.00	13.10	2.96	0.52	15.95
10.55	0.80	0.00	0.00	13.15	2.97	0.53	14.93
10.60	0.82	0.00	0.00	13.20	2.98	0.54	14.02
10.65	0.83	0.00	0.00	13.25	3.00	0.54	13.20
10.70	0.84	0.00	0.00	13.30	3.01	0.55	12.45
10.75	0.85	0.00	0.00	13.35	3.02	0.56	11.77
10.80	0.87	0.00	0.00	13.40	3.03	0.56	11.14
10.85	0.88	0.00	0.00	13.45	3.05	0.57	10.56
10.90	0.89	0.00	0.00	13.50	3.06	0.57	10.05
10.95	0.91	0.00	0.00	13.55	3.07	0.58	9.57
11.00	0.92	0.00	0.00	13.60	3.08	0.58	9.12
11.05	0.94	0.00	0.00	13.65	3.09	0.59	8.71
11.10	0.96	0.00	0.00	13.70	3.09	0.59	8.32
11.15	0.98	0.00	0.00	13.75	3.10	0.60	7.94
11.20	1.00	0.00	0.00	13.80	3.11	0.60	7.59
11.25	1.02	0.00	0.00	13.85	3.12	0.60	7.27
11.30	1.04	0.00	0.00	13.90	3.13	0.61	6.98
11.35	1.06	0.00	0.00	13.95	3.14	0.61	6.73
11.40	1.09	0.00	0.00	14.00	3.15	0.62	6.51
11.45	1.11	0.00	0.01	14.05	3.16	0.62	6.32
11.50	1.14	0.00	0.02	14.10	3.16	0.63	6.15
11.55	1.18	0.00	0.05	14.15	3.17	0.63	6.00
11.60	1.22	0.01	0.11	14.20	3.18	0.63	5.87
11.65	1.26	0.01	0.21	14.25	3.19	0.64	5.75
11.70	1.30	0.01	0.36	14.30	3.20	0.64	5.64
11.75	1.35	0.02	0.58	14.35	3.20	0.64	5.53
11.80	1.41	0.03	0.89	14.40	3.21	0.65	5.44
11.85	1.49	0.04	1.30	14.45	3.22	0.65	5.34
11.90	1.57	0.05	1.85	14.50	3.23	0.66	5.25
11.95	1.70	0.08	2.59	14.55	3.23	0.66	5.16
12.00	1.83	0.11	3.62	14.60	3.24	0.66	5.07
12.05	2.06	0.17	5.11	14.65	3.25	0.67	4.99
12.10	2.28	0.25	7.33	14.70	3.25	0.67	4.90
12.15	2.36	0.27	10.59	14.75	3.26	0.67	4.82
12.20	2.44	0.30	15.02	14.80	3.26	0.68	4.74
12.25	2.50	0.32	20.33	14.85	3.27	0.68	4.65
12.30	2.55	0.35	25.91	14.90	3.28	0.68	4.57
12.35	2.59	0.36	30.93	14.95	3.28	0.68	4.48
12.40	2.63	0.38	34.49	15.00	3.29	0.69	4.40
12.45	2.67	0.40	36.49	15.05	3.29	0.69	4.32
12.50	2.71	0.41	**36.98**	15.10	3.30	0.69	4.23
12.55	2.74	0.42	36.21	15.15	3.30	0.70	4.15
12.60	2.76	0.44	34.53	15.20	3.31	0.70	4.06
12.65	2.79	0.45	32.29	15.25	3.31	0.70	3.98
12.70	2.81	0.46	29.84	15.30	3.32	0.70	3.90
12.75	2.83	0.47	27.55	15.35	3.32	0.71	3.82
12.80	2.85	0.48	25.42	15.40	3.33	0.71	3.75
12.85	2.87	0.49	23.43	15.45	3.34	0.71	3.69
12.90	2.89	0.49	21.59	15.50	3.34	0.72	3.63
12.95	2.91	0.50	19.92	15.55	3.35	0.72	3.58

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.72	3.54	18.20	3.56	0.83	2.29
15.65	3.36	0.72	3.50	18.25	3.56	0.83	2.26
15.70	3.36	0.73	3.47	18.30	3.56	0.83	2.24
15.75	3.36	0.73	3.44	18.35	3.57	0.84	2.22
15.80	3.37	0.73	3.41	18.40	3.57	0.84	2.20
15.85	3.37	0.73	3.38	18.45	3.57	0.84	2.18
15.90	3.38	0.74	3.35	18.50	3.58	0.84	2.16
15.95	3.38	0.74	3.33	18.55	3.58	0.84	2.15
16.00	3.39	0.74	3.30	18.60	3.58	0.84	2.14
16.05	3.39	0.74	3.28	18.65	3.58	0.85	2.13
16.10	3.40	0.75	3.25	18.70	3.59	0.85	2.12
16.15	3.40	0.75	3.23	18.75	3.59	0.85	2.11
16.20	3.41	0.75	3.21	18.80	3.59	0.85	2.10
16.25	3.41	0.75	3.18	18.85	3.60	0.85	2.09
16.30	3.42	0.76	3.16	18.90	3.60	0.85	2.09
16.35	3.42	0.76	3.14	18.95	3.60	0.86	2.08
16.40	3.42	0.76	3.12	19.00	3.61	0.86	2.07
16.45	3.43	0.76	3.10	19.05	3.61	0.86	2.07
16.50	3.43	0.76	3.08	19.10	3.61	0.86	2.06
16.55	3.44	0.77	3.05	19.15	3.61	0.86	2.06
16.60	3.44	0.77	3.03	19.20	3.62	0.86	2.05
16.65	3.45	0.77	3.01	19.25	3.62	0.87	2.04
16.70	3.45	0.77	2.98	19.30	3.62	0.87	2.04
16.75	3.45	0.78	2.96	19.35	3.63	0.87	2.03
16.80	3.46	0.78	2.94	19.40	3.63	0.87	2.03
16.85	3.46	0.78	2.92	19.45	3.63	0.87	2.02
16.90	3.47	0.78	2.90	19.50	3.63	0.87	2.02
16.95	3.47	0.78	2.87	19.55	3.64	0.88	2.01
17.00	3.47	0.79	2.85	19.60	3.64	0.88	2.01
17.05	3.48	0.79	2.83	19.65	3.64	0.88	2.00
17.10	3.48	0.79	2.81	19.70	3.65	0.88	2.00
17.15	3.49	0.79	2.78	19.75	3.65	0.88	1.99
17.20	3.49	0.79	2.76	19.80	3.65	0.88	1.98
17.25	3.49	0.80	2.74	19.85	3.65	0.88	1.98
17.30	3.50	0.80	2.71	19.90	3.66	0.89	1.97
17.35	3.50	0.80	2.69	19.95	3.66	0.89	1.97
17.40	3.50	0.80	2.67	20.00	3.66	0.89	1.96
17.45	3.51	0.80	2.64	20.05	3.66	0.89	1.96
17.50	3.51	0.81	2.62	20.10	3.67	0.89	1.95
17.55	3.52	0.81	2.60	20.15	3.67	0.89	1.95
17.60	3.52	0.81	2.57	20.20	3.67	0.90	1.94
17.65	3.52	0.81	2.55	20.25	3.68	0.90	1.94
17.70	3.53	0.81	2.53	20.30	3.68	0.90	1.93
17.75	3.53	0.82	2.50	20.35	3.68	0.90	1.92
17.80	3.53	0.82	2.48	20.40	3.68	0.90	1.92
17.85	3.54	0.82	2.45	20.45	3.69	0.90	1.91
17.90	3.54	0.82	2.43	20.50	3.69	0.90	1.91
17.95	3.54	0.82	2.41	20.55	3.69	0.91	1.90
18.00	3.54	0.82	2.38	20.60	3.69	0.91	1.89
18.05	3.55	0.83	2.36	20.65	3.70	0.91	1.89
18.10	3.55	0.83	2.33	20.70	3.70	0.91	1.88
18.15	3.55	0.83	2.31	20.75	3.70	0.91	1.88

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.91	1.87	23.40	3.82	0.98	1.56
20.85	3.71	0.91	1.87	23.45	3.83	0.98	1.55
20.90	3.71	0.92	1.86	23.50	3.83	0.99	1.55
20.95	3.71	0.92	1.86	23.55	3.83	0.99	1.54
21.00	3.71	0.92	1.85	23.60	3.83	0.99	1.53
21.05	3.72	0.92	1.84	23.65	3.84	0.99	1.53
21.10	3.72	0.92	1.84	23.70	3.84	0.99	1.52
21.15	3.72	0.92	1.83	23.75	3.84	0.99	1.52
21.20	3.72	0.93	1.83	23.80	3.84	0.99	1.51
21.25	3.73	0.93	1.82	23.85	3.84	0.99	1.50
21.30	3.73	0.93	1.81	23.90	3.85	0.99	1.50
21.35	3.73	0.93	1.81	23.95	3.85	1.00	1.49
21.40	3.73	0.93	1.80	24.00	**3.85**	**1.00**	1.49
21.45	3.74	0.93	1.80	24.05	3.85	1.00	1.48
21.50	3.74	0.93	1.79	24.10	3.85	1.00	1.48
21.55	3.74	0.93	1.79	24.15	3.85	1.00	1.46
21.60	3.74	0.94	1.78	24.20	3.85	1.00	1.43
21.65	3.75	0.94	1.77	24.25	3.85	1.00	1.35
21.70	3.75	0.94	1.77	24.30	3.85	1.00	1.24
21.75	3.75	0.94	1.76	24.35	3.85	1.00	1.10
21.80	3.75	0.94	1.76	24.40	3.85	1.00	0.94
21.85	3.76	0.94	1.75	24.45	3.85	1.00	0.78
21.90	3.76	0.94	1.74	24.50	3.85	1.00	0.64
21.95	3.76	0.95	1.74	24.55	3.85	1.00	0.51
22.00	3.76	0.95	1.73	24.60	3.85	1.00	0.40
22.05	3.77	0.95	1.73	24.65	3.85	1.00	0.31
22.10	3.77	0.95	1.72	24.70	3.85	1.00	0.25
22.15	3.77	0.95	1.71	24.75	3.85	1.00	0.20
22.20	3.77	0.95	1.71	24.80	3.85	1.00	0.16
22.25	3.77	0.95	1.70	24.85	3.85	1.00	0.12
22.30	3.78	0.96	1.70	24.90	3.85	1.00	0.10
22.35	3.78	0.96	1.69	24.95	3.85	1.00	0.08
22.40	3.78	0.96	1.68	25.00	3.85	1.00	0.06
22.45	3.78	0.96	1.68	25.05	3.85	1.00	0.05
22.50	3.79	0.96	1.67	25.10	3.85	1.00	0.04
22.55	3.79	0.96	1.67	25.15	3.85	1.00	0.03
22.60	3.79	0.96	1.66	25.20	3.85	1.00	0.02
22.65	3.79	0.96	1.65	25.25	3.85	1.00	0.02
22.70	3.79	0.97	1.65	25.30	3.85	1.00	0.01
22.75	3.80	0.97	1.64	25.35	3.85	1.00	0.01
22.80	3.80	0.97	1.63	25.40	3.85	1.00	0.01
22.85	3.80	0.97	1.63	25.45	3.85	1.00	0.01
22.90	3.80	0.97	1.62	25.50	3.85	1.00	0.00
22.95	3.81	0.97	1.62	25.55	3.85	1.00	0.00
23.00	3.81	0.97	1.61	25.60	3.85	1.00	0.00
23.05	3.81	0.97	1.60	25.65	3.85	1.00	0.00
23.10	3.81	0.98	1.60	25.70	3.85	1.00	0.00
23.15	3.81	0.98	1.59	25.75	3.85	1.00	0.00
23.20	3.82	0.98	1.59	25.80	3.85	1.00	0.00
23.25	3.82	0.98	1.58	25.85	3.85	1.00	0.00
23.30	3.82	0.98	1.57	25.90	3.85	1.00	0.00
23.35	3.82	0.98	1.57	25.95	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.00	0.00	28.60	3.85	1.00	0.00
26.05	3.85	1.00	0.00	28.65	3.85	1.00	0.00
26.10	3.85	1.00	0.00	28.70	3.85	1.00	0.00
26.15	3.85	1.00	0.00	28.75	3.85	1.00	0.00
26.20	3.85	1.00	0.00	28.80	3.85	1.00	0.00
26.25	3.85	1.00	0.00	28.85	3.85	1.00	0.00
26.30	3.85	1.00	0.00	28.90	3.85	1.00	0.00
26.35	3.85	1.00	0.00	28.95	3.85	1.00	0.00
26.40	3.85	1.00	0.00	29.00	3.85	1.00	0.00
26.45	3.85	1.00	0.00	29.05	3.85	1.00	0.00
26.50	3.85	1.00	0.00	29.10	3.85	1.00	0.00
26.55	3.85	1.00	0.00	29.15	3.85	1.00	0.00
26.60	3.85	1.00	0.00	29.20	3.85	1.00	0.00
26.65	3.85	1.00	0.00	29.25	3.85	1.00	0.00
26.70	3.85	1.00	0.00	29.30	3.85	1.00	0.00
26.75	3.85	1.00	0.00	29.35	3.85	1.00	0.00
26.80	3.85	1.00	0.00	29.40	3.85	1.00	0.00
26.85	3.85	1.00	0.00	29.45	3.85	1.00	0.00
26.90	3.85	1.00	0.00	29.50	3.85	1.00	0.00
26.95	3.85	1.00	0.00	29.55	3.85	1.00	0.00
27.00	3.85	1.00	0.00	29.60	3.85	1.00	0.00
27.05	3.85	1.00	0.00	29.65	3.85	1.00	0.00
27.10	3.85	1.00	0.00	29.70	3.85	1.00	0.00
27.15	3.85	1.00	0.00	29.75	3.85	1.00	0.00
27.20	3.85	1.00	0.00	29.80	3.85	1.00	0.00
27.25	3.85	1.00	0.00	29.85	3.85	1.00	0.00
27.30	3.85	1.00	0.00	29.90	3.85	1.00	0.00
27.35	3.85	1.00	0.00	29.95	3.85	1.00	0.00
27.40	3.85	1.00	0.00	30.00	3.85	1.00	0.00
27.45	3.85	1.00	0.00	30.05	3.85	1.00	0.00
27.50	3.85	1.00	0.00	30.10	3.85	1.00	0.00
27.55	3.85	1.00	0.00	30.15	3.85	1.00	0.00
27.60	3.85	1.00	0.00	30.20	3.85	1.00	0.00
27.65	3.85	1.00	0.00	30.25	3.85	1.00	0.00
27.70	3.85	1.00	0.00	30.30	3.85	1.00	0.00
27.75	3.85	1.00	0.00	30.35	3.85	1.00	0.00
27.80	3.85	1.00	0.00	30.40	3.85	1.00	0.00
27.85	3.85	1.00	0.00	30.45	3.85	1.00	0.00
27.90	3.85	1.00	0.00	30.50	3.85	1.00	0.00
27.95	3.85	1.00	0.00	30.55	3.85	1.00	0.00
28.00	3.85	1.00	0.00	30.60	3.85	1.00	0.00
28.05	3.85	1.00	0.00	30.65	3.85	1.00	0.00
28.10	3.85	1.00	0.00	30.70	3.85	1.00	0.00
28.15	3.85	1.00	0.00	30.75	3.85	1.00	0.00
28.20	3.85	1.00	0.00	30.80	3.85	1.00	0.00
28.25	3.85	1.00	0.00	30.85	3.85	1.00	0.00
28.30	3.85	1.00	0.00	30.90	3.85	1.00	0.00
28.35	3.85	1.00	0.00	30.95	3.85	1.00	0.00
28.40	3.85	1.00	0.00	31.00	3.85	1.00	0.00
28.45	3.85	1.00	0.00	31.05	3.85	1.00	0.00
28.50	3.85	1.00	0.00	31.10	3.85	1.00	0.00
28.55	3.85	1.00	0.00	31.15	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.00	0.00	33.80	3.85	1.00	0.00
31.25	3.85	1.00	0.00	33.85	3.85	1.00	0.00
31.30	3.85	1.00	0.00	33.90	3.85	1.00	0.00
31.35	3.85	1.00	0.00	33.95	3.85	1.00	0.00
31.40	3.85	1.00	0.00	34.00	3.85	1.00	0.00
31.45	3.85	1.00	0.00	34.05	3.85	1.00	0.00
31.50	3.85	1.00	0.00	34.10	3.85	1.00	0.00
31.55	3.85	1.00	0.00	34.15	3.85	1.00	0.00
31.60	3.85	1.00	0.00	34.20	3.85	1.00	0.00
31.65	3.85	1.00	0.00	34.25	3.85	1.00	0.00
31.70	3.85	1.00	0.00	34.30	3.85	1.00	0.00
31.75	3.85	1.00	0.00	34.35	3.85	1.00	0.00
31.80	3.85	1.00	0.00	34.40	3.85	1.00	0.00
31.85	3.85	1.00	0.00	34.45	3.85	1.00	0.00
31.90	3.85	1.00	0.00	34.50	3.85	1.00	0.00
31.95	3.85	1.00	0.00	34.55	3.85	1.00	0.00
32.00	3.85	1.00	0.00	34.60	3.85	1.00	0.00
32.05	3.85	1.00	0.00	34.65	3.85	1.00	0.00
32.10	3.85	1.00	0.00	34.70	3.85	1.00	0.00
32.15	3.85	1.00	0.00	34.75	3.85	1.00	0.00
32.20	3.85	1.00	0.00	34.80	3.85	1.00	0.00
32.25	3.85	1.00	0.00	34.85	3.85	1.00	0.00
32.30	3.85	1.00	0.00	34.90	3.85	1.00	0.00
32.35	3.85	1.00	0.00	34.95	3.85	1.00	0.00
32.40	3.85	1.00	0.00	35.00	3.85	1.00	0.00
32.45	3.85	1.00	0.00	35.05	3.85	1.00	0.00
32.50	3.85	1.00	0.00	35.10	3.85	1.00	0.00
32.55	3.85	1.00	0.00	35.15	3.85	1.00	0.00
32.60	3.85	1.00	0.00	35.20	3.85	1.00	0.00
32.65	3.85	1.00	0.00	35.25	3.85	1.00	0.00
32.70	3.85	1.00	0.00	35.30	3.85	1.00	0.00
32.75	3.85	1.00	0.00	35.35	3.85	1.00	0.00
32.80	3.85	1.00	0.00	35.40	3.85	1.00	0.00
32.85	3.85	1.00	0.00	35.45	3.85	1.00	0.00
32.90	3.85	1.00	0.00	35.50	3.85	1.00	0.00
32.95	3.85	1.00	0.00	35.55	3.85	1.00	0.00
33.00	3.85	1.00	0.00	35.60	3.85	1.00	0.00
33.05	3.85	1.00	0.00	35.65	3.85	1.00	0.00
33.10	3.85	1.00	0.00	35.70	3.85	1.00	0.00
33.15	3.85	1.00	0.00	35.75	3.85	1.00	0.00
33.20	3.85	1.00	0.00	35.80	3.85	1.00	0.00
33.25	3.85	1.00	0.00	35.85	3.85	1.00	0.00
33.30	3.85	1.00	0.00	35.90	3.85	1.00	0.00
33.35	3.85	1.00	0.00	35.95	3.85	1.00	0.00
33.40	3.85	1.00	0.00	36.00	3.85	1.00	0.00
33.45	3.85	1.00	0.00	36.05	3.85	1.00	0.00
33.50	3.85	1.00	0.00	36.10	3.85	1.00	0.00
33.55	3.85	1.00	0.00	36.15	3.85	1.00	0.00
33.60	3.85	1.00	0.00	36.20	3.85	1.00	0.00
33.65	3.85	1.00	0.00	36.25	3.85	1.00	0.00
33.70	3.85	1.00	0.00	36.30	3.85	1.00	0.00
33.75	3.85	1.00	0.00	36.35	3.85	1.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.00	0.00
36.45	3.85	1.00	0.00
36.50	3.85	1.00	0.00
36.55	3.85	1.00	0.00
36.60	3.85	1.00	0.00
36.65	3.85	1.00	0.00
36.70	3.85	1.00	0.00
36.75	3.85	1.00	0.00
36.80	3.85	1.00	0.00
36.85	3.85	1.00	0.00
36.90	3.85	1.00	0.00
36.95	3.85	1.00	0.00
37.00	3.85	1.00	0.00
37.05	3.85	1.00	0.00
37.10	3.85	1.00	0.00
37.15	3.85	1.00	0.00
37.20	3.85	1.00	0.00
37.25	3.85	1.00	0.00
37.30	3.85	1.00	0.00
37.35	3.85	1.00	0.00
37.40	3.85	1.00	0.00
37.45	3.85	1.00	0.00
37.50	3.85	1.00	0.00
37.55	3.85	1.00	0.00
37.60	3.85	1.00	0.00
37.65	3.85	1.00	0.00
37.70	3.85	1.00	0.00
37.75	3.85	1.00	0.00
37.80	3.85	1.00	0.00
37.85	3.85	1.00	0.00
37.90	3.85	1.00	0.00
37.95	3.85	1.00	0.00
38.00	3.85	1.00	0.00
38.05	3.85	1.00	0.00
38.10	3.85	1.00	0.00
38.15	3.85	1.00	0.00
38.20	3.85	1.00	0.00
38.25	3.85	1.00	0.00
38.30	3.85	1.00	0.00
38.35	3.85	1.00	0.00
38.40	3.85	1.00	0.00
38.45	3.85	1.00	0.00
38.50	3.85	1.00	0.00
38.55	3.85	1.00	0.00
38.60	3.85	1.00	0.00
38.65	3.85	1.00	0.00
38.70	3.85	1.00	0.00
38.75	3.85	1.00	0.00
38.80	3.85	1.00	0.00
38.85	3.85	1.00	0.00
38.90	3.85	1.00	0.00
38.95	3.85	1.00	0.00
39.00	3.85	1.00	0.00
39.05	3.85	1.00	0.00
39.10	3.85	1.00	0.00
39.15	3.85	1.00	0.00
39.20	3.85	1.00	0.00
39.25	3.85	1.00	0.00
39.30	3.85	1.00	0.00
39.35	3.85	1.00	0.00
39.40	3.85	1.00	0.00
39.45	3.85	1.00	0.00
39.50	3.85	1.00	0.00
39.55	3.85	1.00	0.00
39.60	3.85	1.00	0.00
39.65	3.85	1.00	0.00
39.70	3.85	1.00	0.00
39.75	3.85	1.00	0.00
39.80	3.85	1.00	0.00
39.85	3.85	1.00	0.00
39.90	3.85	1.00	0.00
39.95	3.85	1.00	0.00
40.00	3.85	1.00	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

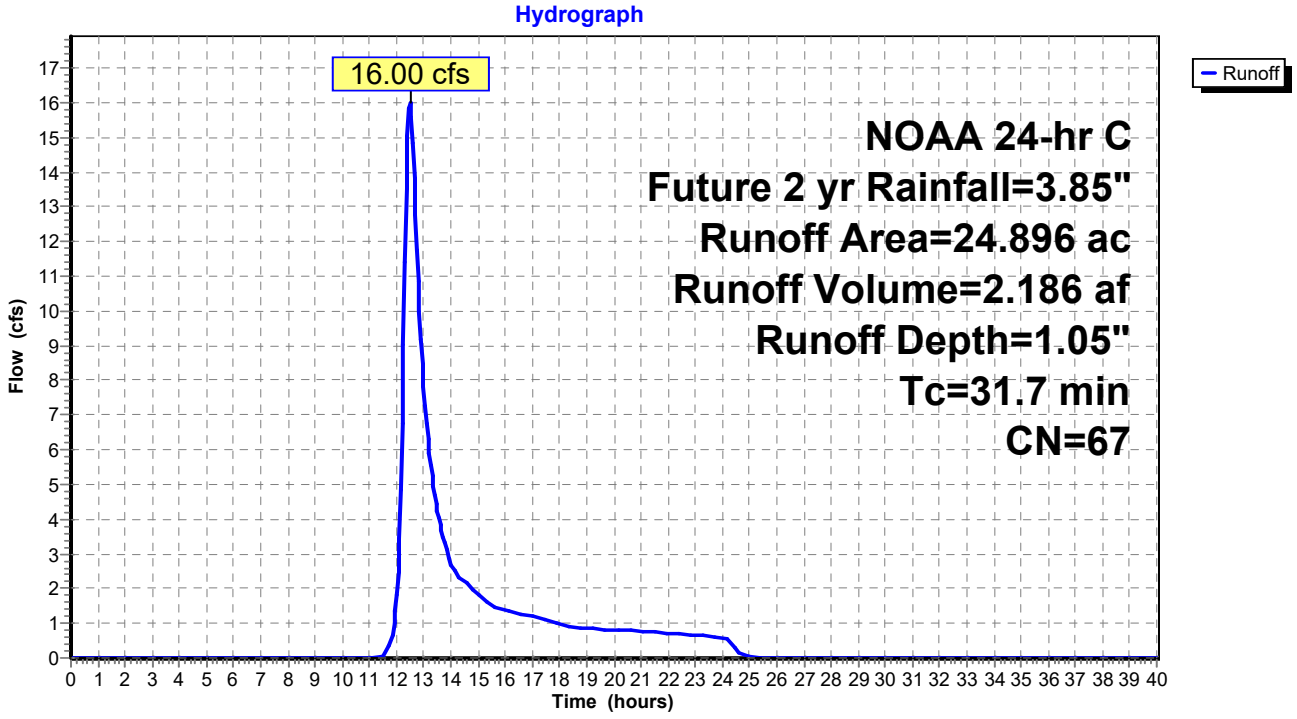
Runoff = 16.00 cfs @ 12.49 hrs, Volume= 2.186 af, Depth= 1.05"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.55	7.82
10.45	0.78	0.00	0.00	13.05	2.94	0.56	7.25
10.50	0.79	0.00	0.00	13.10	2.96	0.56	6.75
10.55	0.80	0.00	0.00	13.15	2.97	0.57	6.31
10.60	0.82	0.00	0.00	13.20	2.98	0.58	5.92
10.65	0.83	0.00	0.00	13.25	3.00	0.58	5.57
10.70	0.84	0.00	0.00	13.30	3.01	0.59	5.25
10.75	0.85	0.00	0.00	13.35	3.02	0.60	4.96
10.80	0.87	0.00	0.00	13.40	3.03	0.60	4.69
10.85	0.88	0.00	0.00	13.45	3.05	0.61	4.45
10.90	0.89	0.00	0.00	13.50	3.06	0.61	4.23
10.95	0.91	0.00	0.00	13.55	3.07	0.62	4.03
11.00	0.92	0.00	0.00	13.60	3.08	0.62	3.84
11.05	0.94	0.00	0.00	13.65	3.09	0.63	3.66
11.10	0.96	0.00	0.00	13.70	3.09	0.63	3.49
11.15	0.98	0.00	0.00	13.75	3.10	0.64	3.33
11.20	1.00	0.00	0.00	13.80	3.11	0.64	3.18
11.25	1.02	0.00	0.00	13.85	3.12	0.65	3.05
11.30	1.04	0.00	0.00	13.90	3.13	0.65	2.93
11.35	1.06	0.00	0.00	13.95	3.14	0.66	2.82
11.40	1.09	0.00	0.01	14.00	3.15	0.66	2.73
11.45	1.11	0.00	0.02	14.05	3.16	0.66	2.65
11.50	1.14	0.00	0.04	14.10	3.16	0.67	2.58
11.55	1.18	0.01	0.07	14.15	3.17	0.67	2.51
11.60	1.22	0.01	0.12	14.20	3.18	0.68	2.46
11.65	1.26	0.01	0.19	14.25	3.19	0.68	2.41
11.70	1.30	0.02	0.27	14.30	3.20	0.68	2.36
11.75	1.35	0.03	0.39	14.35	3.20	0.69	2.32
11.80	1.41	0.03	0.55	14.40	3.21	0.69	2.28
11.85	1.49	0.05	0.75	14.45	3.22	0.70	2.24
11.90	1.57	0.06	1.00	14.50	3.23	0.70	2.20
11.95	1.70	0.09	1.34	14.55	3.23	0.70	2.16
12.00	1.83	0.13	1.80	14.60	3.24	0.71	2.12
12.05	2.06	0.19	2.46	14.65	3.25	0.71	2.09
12.10	2.28	0.27	3.44	14.70	3.25	0.71	2.05
12.15	2.36	0.30	4.86	14.75	3.26	0.72	2.02
12.20	2.44	0.33	6.76	14.80	3.26	0.72	1.98
12.25	2.50	0.35	9.04	14.85	3.27	0.72	1.95
12.30	2.55	0.38	11.42	14.90	3.28	0.73	1.91
12.35	2.59	0.40	13.54	14.95	3.28	0.73	1.88
12.40	2.63	0.41	15.02	15.00	3.29	0.73	1.84
12.45	2.67	0.43	15.83	15.05	3.29	0.74	1.81
12.50	2.71	0.45	**15.99**	15.10	3.30	0.74	1.77
12.55	2.74	0.46	15.60	15.15	3.30	0.74	1.73
12.60	2.76	0.47	14.84	15.20	3.31	0.75	1.70
12.65	2.79	0.48	13.85	15.25	3.31	0.75	1.66
12.70	2.81	0.49	12.77	15.30	3.32	0.75	1.63
12.75	2.83	0.50	11.77	15.35	3.32	0.75	1.60
12.80	2.85	0.51	10.84	15.40	3.33	0.76	1.57
12.85	2.87	0.52	9.98	15.45	3.34	0.76	1.54
12.90	2.89	0.53	9.18	15.50	3.34	0.76	1.52
12.95	2.91	0.54	8.46	15.55	3.35	0.76	1.50

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.77	1.48	18.20	3.56	0.88	0.95
15.65	3.36	0.77	1.46	18.25	3.56	0.88	0.94
15.70	3.36	0.77	1.45	18.30	3.56	0.89	0.93
15.75	3.36	0.78	1.44	18.35	3.57	0.89	0.92
15.80	3.37	0.78	1.42	18.40	3.57	0.89	0.92
15.85	3.37	0.78	1.41	18.45	3.57	0.89	0.91
15.90	3.38	0.78	1.40	18.50	3.58	0.89	0.90
15.95	3.38	0.79	1.39	18.55	3.58	0.89	0.90
16.00	3.39	0.79	1.38	18.60	3.58	0.90	0.89
16.05	3.39	0.79	1.37	18.65	3.58	0.90	0.89
16.10	3.40	0.79	1.36	18.70	3.59	0.90	0.88
16.15	3.40	0.80	1.35	18.75	3.59	0.90	0.88
16.20	3.41	0.80	1.34	18.80	3.59	0.90	0.88
16.25	3.41	0.80	1.33	18.85	3.60	0.90	0.87
16.30	3.42	0.80	1.32	18.90	3.60	0.91	0.87
16.35	3.42	0.81	1.31	18.95	3.60	0.91	0.87
16.40	3.42	0.81	1.30	19.00	3.61	0.91	0.86
16.45	3.43	0.81	1.29	19.05	3.61	0.91	0.86
16.50	3.43	0.81	1.28	19.10	3.61	0.91	0.86
16.55	3.44	0.82	1.27	19.15	3.61	0.91	0.86
16.60	3.44	0.82	1.27	19.20	3.62	0.92	0.85
16.65	3.45	0.82	1.26	19.25	3.62	0.92	0.85
16.70	3.45	0.82	1.25	19.30	3.62	0.92	0.85
16.75	3.45	0.82	1.24	19.35	3.63	0.92	0.85
16.80	3.46	0.83	1.23	19.40	3.63	0.92	0.84
16.85	3.46	0.83	1.22	19.45	3.63	0.92	0.84
16.90	3.47	0.83	1.21	19.50	3.63	0.93	0.84
16.95	3.47	0.83	1.20	19.55	3.64	0.93	0.84
17.00	3.47	0.84	1.19	19.60	3.64	0.93	0.84
17.05	3.48	0.84	1.18	19.65	3.64	0.93	0.83
17.10	3.48	0.84	1.17	19.70	3.65	0.93	0.83
17.15	3.49	0.84	1.16	19.75	3.65	0.93	0.83
17.20	3.49	0.84	1.15	19.80	3.65	0.94	0.83
17.25	3.49	0.85	1.14	19.85	3.65	0.94	0.82
17.30	3.50	0.85	1.13	19.90	3.66	0.94	0.82
17.35	3.50	0.85	1.12	19.95	3.66	0.94	0.82
17.40	3.50	0.85	1.11	20.00	3.66	0.94	0.82
17.45	3.51	0.85	1.10	20.05	3.66	0.94	0.82
17.50	3.51	0.86	1.09	20.10	3.67	0.95	0.81
17.55	3.52	0.86	1.08	20.15	3.67	0.95	0.81
17.60	3.52	0.86	1.07	20.20	3.67	0.95	0.81
17.65	3.52	0.86	1.06	20.25	3.68	0.95	0.81
17.70	3.53	0.86	1.05	20.30	3.68	0.95	0.80
17.75	3.53	0.87	1.04	20.35	3.68	0.95	0.80
17.80	3.53	0.87	1.03	20.40	3.68	0.95	0.80
17.85	3.54	0.87	1.02	20.45	3.69	0.96	0.80
17.90	3.54	0.87	1.01	20.50	3.69	0.96	0.79
17.95	3.54	0.87	1.00	20.55	3.69	0.96	0.79
18.00	3.54	0.88	0.99	20.60	3.69	0.96	0.79
18.05	3.55	0.88	0.98	20.65	3.70	0.96	0.79
18.10	3.55	0.88	0.97	20.70	3.70	0.96	0.78
18.15	3.55	0.88	0.96	20.75	3.70	0.97	0.78

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.97	0.78	23.40	3.82	1.04	0.65
20.85	3.71	0.97	0.78	23.45	3.83	1.04	0.65
20.90	3.71	0.97	0.77	23.50	3.83	1.04	0.64
20.95	3.71	0.97	0.77	23.55	3.83	1.04	0.64
21.00	3.71	0.97	0.77	23.60	3.83	1.04	0.64
21.05	3.72	0.97	0.77	23.65	3.84	1.04	0.64
21.10	3.72	0.98	0.76	23.70	3.84	1.05	0.63
21.15	3.72	0.98	0.76	23.75	3.84	1.05	0.63
21.20	3.72	0.98	0.76	23.80	3.84	1.05	0.63
21.25	3.73	0.98	0.76	23.85	3.84	1.05	0.62
21.30	3.73	0.98	0.75	23.90	3.85	1.05	0.62
21.35	3.73	0.98	0.75	23.95	3.85	1.05	0.62
21.40	3.73	0.98	0.75	24.00	**3.85**	**1.05**	0.62
21.45	3.74	0.99	0.75	24.05	3.85	1.05	0.62
21.50	3.74	0.99	0.75	24.10	3.85	1.05	0.61
21.55	3.74	0.99	0.74	24.15	3.85	1.05	0.61
21.60	3.74	0.99	0.74	24.20	3.85	1.05	0.59
21.65	3.75	0.99	0.74	24.25	3.85	1.05	0.56
21.70	3.75	0.99	0.74	24.30	3.85	1.05	0.51
21.75	3.75	0.99	0.73	24.35	3.85	1.05	0.46
21.80	3.75	1.00	0.73	24.40	3.85	1.05	0.39
21.85	3.76	1.00	0.73	24.45	3.85	1.05	0.33
21.90	3.76	1.00	0.72	24.50	3.85	1.05	0.26
21.95	3.76	1.00	0.72	24.55	3.85	1.05	0.21
22.00	3.76	1.00	0.72	24.60	3.85	1.05	0.16
22.05	3.77	1.00	0.72	24.65	3.85	1.05	0.13
22.10	3.77	1.00	0.72	24.70	3.85	1.05	0.10
22.15	3.77	1.01	0.71	24.75	3.85	1.05	0.08
22.20	3.77	1.01	0.71	24.80	3.85	1.05	0.06
22.25	3.77	1.01	0.71	24.85	3.85	1.05	0.05
22.30	3.78	1.01	0.71	24.90	3.85	1.05	0.04
22.35	3.78	1.01	0.70	24.95	3.85	1.05	0.03
22.40	3.78	1.01	0.70	25.00	3.85	1.05	0.03
22.45	3.78	1.01	0.70	25.05	3.85	1.05	0.02
22.50	3.79	1.02	0.70	25.10	3.85	1.05	0.02
22.55	3.79	1.02	0.69	25.15	3.85	1.05	0.01
22.60	3.79	1.02	0.69	25.20	3.85	1.05	0.01
22.65	3.79	1.02	0.69	25.25	3.85	1.05	0.01
22.70	3.79	1.02	0.68	25.30	3.85	1.05	0.01
22.75	3.80	1.02	0.68	25.35	3.85	1.05	0.00
22.80	3.80	1.02	0.68	25.40	3.85	1.05	0.00
22.85	3.80	1.02	0.68	25.45	3.85	1.05	0.00
22.90	3.80	1.03	0.67	25.50	3.85	1.05	0.00
22.95	3.81	1.03	0.67	25.55	3.85	1.05	0.00
23.00	3.81	1.03	0.67	25.60	3.85	1.05	0.00
23.05	3.81	1.03	0.67	25.65	3.85	1.05	0.00
23.10	3.81	1.03	0.66	25.70	3.85	1.05	0.00
23.15	3.81	1.03	0.66	25.75	3.85	1.05	0.00
23.20	3.82	1.03	0.66	25.80	3.85	1.05	0.00
23.25	3.82	1.03	0.66	25.85	3.85	1.05	0.00
23.30	3.82	1.04	0.65	25.90	3.85	1.05	0.00
23.35	3.82	1.04	0.65	25.95	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.05	0.00	28.60	3.85	1.05	0.00
26.05	3.85	1.05	0.00	28.65	3.85	1.05	0.00
26.10	3.85	1.05	0.00	28.70	3.85	1.05	0.00
26.15	3.85	1.05	0.00	28.75	3.85	1.05	0.00
26.20	3.85	1.05	0.00	28.80	3.85	1.05	0.00
26.25	3.85	1.05	0.00	28.85	3.85	1.05	0.00
26.30	3.85	1.05	0.00	28.90	3.85	1.05	0.00
26.35	3.85	1.05	0.00	28.95	3.85	1.05	0.00
26.40	3.85	1.05	0.00	29.00	3.85	1.05	0.00
26.45	3.85	1.05	0.00	29.05	3.85	1.05	0.00
26.50	3.85	1.05	0.00	29.10	3.85	1.05	0.00
26.55	3.85	1.05	0.00	29.15	3.85	1.05	0.00
26.60	3.85	1.05	0.00	29.20	3.85	1.05	0.00
26.65	3.85	1.05	0.00	29.25	3.85	1.05	0.00
26.70	3.85	1.05	0.00	29.30	3.85	1.05	0.00
26.75	3.85	1.05	0.00	29.35	3.85	1.05	0.00
26.80	3.85	1.05	0.00	29.40	3.85	1.05	0.00
26.85	3.85	1.05	0.00	29.45	3.85	1.05	0.00
26.90	3.85	1.05	0.00	29.50	3.85	1.05	0.00
26.95	3.85	1.05	0.00	29.55	3.85	1.05	0.00
27.00	3.85	1.05	0.00	29.60	3.85	1.05	0.00
27.05	3.85	1.05	0.00	29.65	3.85	1.05	0.00
27.10	3.85	1.05	0.00	29.70	3.85	1.05	0.00
27.15	3.85	1.05	0.00	29.75	3.85	1.05	0.00
27.20	3.85	1.05	0.00	29.80	3.85	1.05	0.00
27.25	3.85	1.05	0.00	29.85	3.85	1.05	0.00
27.30	3.85	1.05	0.00	29.90	3.85	1.05	0.00
27.35	3.85	1.05	0.00	29.95	3.85	1.05	0.00
27.40	3.85	1.05	0.00	30.00	3.85	1.05	0.00
27.45	3.85	1.05	0.00	30.05	3.85	1.05	0.00
27.50	3.85	1.05	0.00	30.10	3.85	1.05	0.00
27.55	3.85	1.05	0.00	30.15	3.85	1.05	0.00
27.60	3.85	1.05	0.00	30.20	3.85	1.05	0.00
27.65	3.85	1.05	0.00	30.25	3.85	1.05	0.00
27.70	3.85	1.05	0.00	30.30	3.85	1.05	0.00
27.75	3.85	1.05	0.00	30.35	3.85	1.05	0.00
27.80	3.85	1.05	0.00	30.40	3.85	1.05	0.00
27.85	3.85	1.05	0.00	30.45	3.85	1.05	0.00
27.90	3.85	1.05	0.00	30.50	3.85	1.05	0.00
27.95	3.85	1.05	0.00	30.55	3.85	1.05	0.00
28.00	3.85	1.05	0.00	30.60	3.85	1.05	0.00
28.05	3.85	1.05	0.00	30.65	3.85	1.05	0.00
28.10	3.85	1.05	0.00	30.70	3.85	1.05	0.00
28.15	3.85	1.05	0.00	30.75	3.85	1.05	0.00
28.20	3.85	1.05	0.00	30.80	3.85	1.05	0.00
28.25	3.85	1.05	0.00	30.85	3.85	1.05	0.00
28.30	3.85	1.05	0.00	30.90	3.85	1.05	0.00
28.35	3.85	1.05	0.00	30.95	3.85	1.05	0.00
28.40	3.85	1.05	0.00	31.00	3.85	1.05	0.00
28.45	3.85	1.05	0.00	31.05	3.85	1.05	0.00
28.50	3.85	1.05	0.00	31.10	3.85	1.05	0.00
28.55	3.85	1.05	0.00	31.15	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.05	0.00	33.80	3.85	1.05	0.00
31.25	3.85	1.05	0.00	33.85	3.85	1.05	0.00
31.30	3.85	1.05	0.00	33.90	3.85	1.05	0.00
31.35	3.85	1.05	0.00	33.95	3.85	1.05	0.00
31.40	3.85	1.05	0.00	34.00	3.85	1.05	0.00
31.45	3.85	1.05	0.00	34.05	3.85	1.05	0.00
31.50	3.85	1.05	0.00	34.10	3.85	1.05	0.00
31.55	3.85	1.05	0.00	34.15	3.85	1.05	0.00
31.60	3.85	1.05	0.00	34.20	3.85	1.05	0.00
31.65	3.85	1.05	0.00	34.25	3.85	1.05	0.00
31.70	3.85	1.05	0.00	34.30	3.85	1.05	0.00
31.75	3.85	1.05	0.00	34.35	3.85	1.05	0.00
31.80	3.85	1.05	0.00	34.40	3.85	1.05	0.00
31.85	3.85	1.05	0.00	34.45	3.85	1.05	0.00
31.90	3.85	1.05	0.00	34.50	3.85	1.05	0.00
31.95	3.85	1.05	0.00	34.55	3.85	1.05	0.00
32.00	3.85	1.05	0.00	34.60	3.85	1.05	0.00
32.05	3.85	1.05	0.00	34.65	3.85	1.05	0.00
32.10	3.85	1.05	0.00	34.70	3.85	1.05	0.00
32.15	3.85	1.05	0.00	34.75	3.85	1.05	0.00
32.20	3.85	1.05	0.00	34.80	3.85	1.05	0.00
32.25	3.85	1.05	0.00	34.85	3.85	1.05	0.00
32.30	3.85	1.05	0.00	34.90	3.85	1.05	0.00
32.35	3.85	1.05	0.00	34.95	3.85	1.05	0.00
32.40	3.85	1.05	0.00	35.00	3.85	1.05	0.00
32.45	3.85	1.05	0.00	35.05	3.85	1.05	0.00
32.50	3.85	1.05	0.00	35.10	3.85	1.05	0.00
32.55	3.85	1.05	0.00	35.15	3.85	1.05	0.00
32.60	3.85	1.05	0.00	35.20	3.85	1.05	0.00
32.65	3.85	1.05	0.00	35.25	3.85	1.05	0.00
32.70	3.85	1.05	0.00	35.30	3.85	1.05	0.00
32.75	3.85	1.05	0.00	35.35	3.85	1.05	0.00
32.80	3.85	1.05	0.00	35.40	3.85	1.05	0.00
32.85	3.85	1.05	0.00	35.45	3.85	1.05	0.00
32.90	3.85	1.05	0.00	35.50	3.85	1.05	0.00
32.95	3.85	1.05	0.00	35.55	3.85	1.05	0.00
33.00	3.85	1.05	0.00	35.60	3.85	1.05	0.00
33.05	3.85	1.05	0.00	35.65	3.85	1.05	0.00
33.10	3.85	1.05	0.00	35.70	3.85	1.05	0.00
33.15	3.85	1.05	0.00	35.75	3.85	1.05	0.00
33.20	3.85	1.05	0.00	35.80	3.85	1.05	0.00
33.25	3.85	1.05	0.00	35.85	3.85	1.05	0.00
33.30	3.85	1.05	0.00	35.90	3.85	1.05	0.00
33.35	3.85	1.05	0.00	35.95	3.85	1.05	0.00
33.40	3.85	1.05	0.00	36.00	3.85	1.05	0.00
33.45	3.85	1.05	0.00	36.05	3.85	1.05	0.00
33.50	3.85	1.05	0.00	36.10	3.85	1.05	0.00
33.55	3.85	1.05	0.00	36.15	3.85	1.05	0.00
33.60	3.85	1.05	0.00	36.20	3.85	1.05	0.00
33.65	3.85	1.05	0.00	36.25	3.85	1.05	0.00
33.70	3.85	1.05	0.00	36.30	3.85	1.05	0.00
33.75	3.85	1.05	0.00	36.35	3.85	1.05	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.05	0.00
36.45	3.85	1.05	0.00
36.50	3.85	1.05	0.00
36.55	3.85	1.05	0.00
36.60	3.85	1.05	0.00
36.65	3.85	1.05	0.00
36.70	3.85	1.05	0.00
36.75	3.85	1.05	0.00
36.80	3.85	1.05	0.00
36.85	3.85	1.05	0.00
36.90	3.85	1.05	0.00
36.95	3.85	1.05	0.00
37.00	3.85	1.05	0.00
37.05	3.85	1.05	0.00
37.10	3.85	1.05	0.00
37.15	3.85	1.05	0.00
37.20	3.85	1.05	0.00
37.25	3.85	1.05	0.00
37.30	3.85	1.05	0.00
37.35	3.85	1.05	0.00
37.40	3.85	1.05	0.00
37.45	3.85	1.05	0.00
37.50	3.85	1.05	0.00
37.55	3.85	1.05	0.00
37.60	3.85	1.05	0.00
37.65	3.85	1.05	0.00
37.70	3.85	1.05	0.00
37.75	3.85	1.05	0.00
37.80	3.85	1.05	0.00
37.85	3.85	1.05	0.00
37.90	3.85	1.05	0.00
37.95	3.85	1.05	0.00
38.00	3.85	1.05	0.00
38.05	3.85	1.05	0.00
38.10	3.85	1.05	0.00
38.15	3.85	1.05	0.00
38.20	3.85	1.05	0.00
38.25	3.85	1.05	0.00
38.30	3.85	1.05	0.00
38.35	3.85	1.05	0.00
38.40	3.85	1.05	0.00
38.45	3.85	1.05	0.00
38.50	3.85	1.05	0.00
38.55	3.85	1.05	0.00
38.60	3.85	1.05	0.00
38.65	3.85	1.05	0.00
38.70	3.85	1.05	0.00
38.75	3.85	1.05	0.00
38.80	3.85	1.05	0.00
38.85	3.85	1.05	0.00
38.90	3.85	1.05	0.00
38.95	3.85	1.05	0.00
39.00	3.85	1.05	0.00
39.05	3.85	1.05	0.00
39.10	3.85	1.05	0.00
39.15	3.85	1.05	0.00
39.20	3.85	1.05	0.00
39.25	3.85	1.05	0.00
39.30	3.85	1.05	0.00
39.35	3.85	1.05	0.00
39.40	3.85	1.05	0.00
39.45	3.85	1.05	0.00
39.50	3.85	1.05	0.00
39.55	3.85	1.05	0.00
39.60	3.85	1.05	0.00
39.65	3.85	1.05	0.00
39.70	3.85	1.05	0.00
39.75	3.85	1.05	0.00
39.80	3.85	1.05	0.00
39.85	3.85	1.05	0.00
39.90	3.85	1.05	0.00
39.95	3.85	1.05	0.00
40.00	3.85	1.05	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

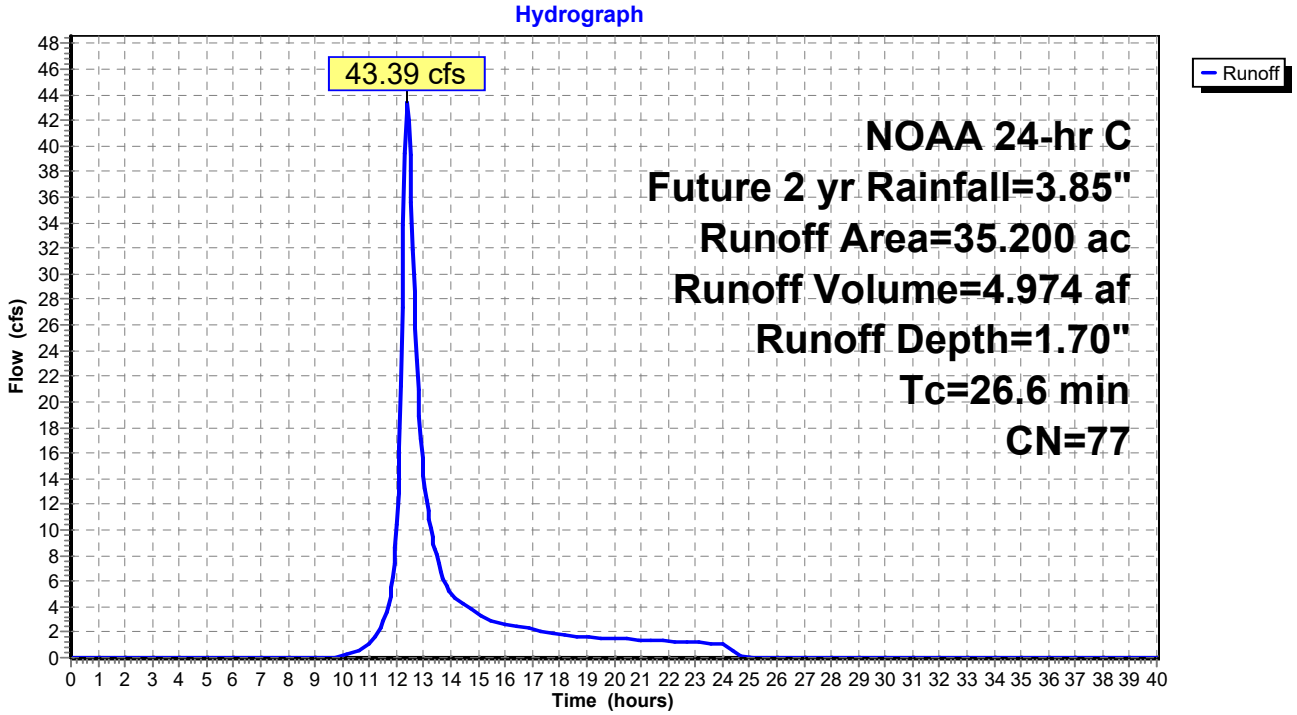
Runoff = 43.39 cfs @ 12.39 hrs, Volume= 4.974 af, Depth= 1.70"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.01
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.01
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.02
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.03
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.05
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.06
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.08
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.10
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.12
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.15
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.18
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.20
7.55	0.42	0.00	0.00	10.15	0.73	0.01	0.23
7.60	0.43	0.00	0.00	10.20	0.74	0.01	0.26
7.65	0.43	0.00	0.00	10.25	0.75	0.01	0.30
7.70	0.43	0.00	0.00	10.30	0.76	0.01	0.33
7.75	0.44	0.00	0.00	10.35	0.76	0.01	0.36

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.01	0.40	13.00	2.93	1.02	14.28
10.45	0.78	0.01	0.44	13.05	2.94	1.03	13.20
10.50	0.79	0.01	0.48	13.10	2.96	1.04	12.29
10.55	0.80	0.01	0.52	13.15	2.97	1.05	11.48
10.60	0.82	0.01	0.56	13.20	2.98	1.06	10.75
10.65	0.83	0.02	0.60	13.25	3.00	1.07	10.09
10.70	0.84	0.02	0.65	13.30	3.01	1.08	9.49
10.75	0.85	0.02	0.71	13.35	3.02	1.09	8.96
10.80	0.87	0.02	0.77	13.40	3.03	1.10	8.47
10.85	0.88	0.02	0.84	13.45	3.05	1.10	8.03
10.90	0.89	0.03	0.92	13.50	3.06	1.11	7.63
10.95	0.91	0.03	1.01	13.55	3.07	1.12	7.26
11.00	0.92	0.03	1.10	13.60	3.08	1.12	6.92
11.05	0.94	0.04	1.20	13.65	3.09	1.13	6.61
11.10	0.96	0.04	1.31	13.70	3.09	1.14	6.31
11.15	0.98	0.04	1.44	13.75	3.10	1.14	6.03
11.20	1.00	0.05	1.57	13.80	3.11	1.15	5.78
11.25	1.02	0.05	1.72	13.85	3.12	1.16	5.55
11.30	1.04	0.06	1.89	13.90	3.13	1.16	5.35
11.35	1.06	0.06	2.08	13.95	3.14	1.17	5.18
11.40	1.09	0.07	2.28	14.00	3.15	1.17	5.03
11.45	1.11	0.08	2.51	14.05	3.16	1.18	4.90
11.50	1.14	0.08	2.76	14.10	3.16	1.19	4.79
11.55	1.18	0.09	3.03	14.15	3.17	1.19	4.69
11.60	1.22	0.11	3.33	14.20	3.18	1.20	4.60
11.65	1.26	0.12	3.70	14.25	3.19	1.20	4.51
11.70	1.30	0.13	4.17	14.30	3.20	1.21	4.43
11.75	1.35	0.15	4.75	14.35	3.20	1.21	4.35
11.80	1.41	0.17	5.45	14.40	3.21	1.22	4.28
11.85	1.49	0.20	6.30	14.45	3.22	1.22	4.20
11.90	1.57	0.24	7.34	14.50	3.23	1.23	4.13
11.95	1.70	0.30	8.67	14.55	3.23	1.23	4.06
12.00	1.83	0.36	10.46	14.60	3.24	1.24	3.99
12.05	2.06	0.48	12.87	14.65	3.25	1.24	3.92
12.10	2.28	0.61	16.37	14.70	3.25	1.25	3.85
12.15	2.36	0.66	21.25	14.75	3.26	1.25	3.78
12.20	2.44	0.70	27.33	14.80	3.26	1.26	3.71
12.25	2.50	0.74	33.84	14.85	3.27	1.26	3.64
12.30	2.55	0.77	39.37	14.90	3.28	1.27	3.57
12.35	2.59	0.80	42.62	14.95	3.28	1.27	3.50
12.40	2.63	0.83	**43.37**	15.00	3.29	1.27	3.43
12.45	2.67	0.85	42.03	15.05	3.29	1.28	3.36
12.50	2.71	0.88	39.22	15.10	3.30	1.28	3.29
12.55	2.74	0.89	35.59	15.15	3.30	1.29	3.22
12.60	2.76	0.91	31.90	15.20	3.31	1.29	3.15
12.65	2.79	0.93	28.65	15.25	3.31	1.29	3.08
12.70	2.81	0.94	25.80	15.30	3.32	1.30	3.01
12.75	2.83	0.96	23.22	15.35	3.32	1.30	2.96
12.80	2.85	0.97	20.90	15.40	3.33	1.31	2.91
12.85	2.87	0.98	18.86	15.45	3.34	1.31	2.86
12.90	2.89	1.00	17.09	15.50	3.34	1.31	2.82
12.95	2.91	1.01	15.56	15.55	3.35	1.32	2.79

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.32	2.76	18.20	3.56	1.47	1.75
15.65	3.36	1.32	2.73	18.25	3.56	1.48	1.73
15.70	3.36	1.33	2.71	18.30	3.56	1.48	1.71
15.75	3.36	1.33	2.69	18.35	3.57	1.48	1.69
15.80	3.37	1.33	2.66	18.40	3.57	1.48	1.68
15.85	3.37	1.34	2.64	18.45	3.57	1.48	1.67
15.90	3.38	1.34	2.62	18.50	3.58	1.49	1.66
15.95	3.38	1.34	2.60	18.55	3.58	1.49	1.65
16.00	3.39	1.35	2.58	18.60	3.58	1.49	1.64
16.05	3.39	1.35	2.56	18.65	3.58	1.49	1.63
16.10	3.40	1.36	2.54	18.70	3.59	1.50	1.63
16.15	3.40	1.36	2.52	18.75	3.59	1.50	1.62
16.20	3.41	1.36	2.51	18.80	3.59	1.50	1.62
16.25	3.41	1.37	2.49	18.85	3.60	1.50	1.61
16.30	3.42	1.37	2.47	18.90	3.60	1.50	1.61
16.35	3.42	1.37	2.45	18.95	3.60	1.51	1.60
16.40	3.42	1.37	2.43	19.00	3.61	1.51	1.60
16.45	3.43	1.38	2.41	19.05	3.61	1.51	1.59
16.50	3.43	1.38	2.40	19.10	3.61	1.51	1.59
16.55	3.44	1.38	2.38	19.15	3.61	1.52	1.58
16.60	3.44	1.39	2.36	19.20	3.62	1.52	1.58
16.65	3.45	1.39	2.34	19.25	3.62	1.52	1.57
16.70	3.45	1.39	2.32	19.30	3.62	1.52	1.57
16.75	3.45	1.40	2.30	19.35	3.63	1.52	1.56
16.80	3.46	1.40	2.28	19.40	3.63	1.53	1.56
16.85	3.46	1.40	2.26	19.45	3.63	1.53	1.55
16.90	3.47	1.41	2.25	19.50	3.63	1.53	1.55
16.95	3.47	1.41	2.23	19.55	3.64	1.53	1.54
17.00	3.47	1.41	2.21	19.60	3.64	1.53	1.54
17.05	3.48	1.41	2.19	19.65	3.64	1.54	1.53
17.10	3.48	1.42	2.17	19.70	3.65	1.54	1.53
17.15	3.49	1.42	2.15	19.75	3.65	1.54	1.52
17.20	3.49	1.42	2.13	19.80	3.65	1.54	1.52
17.25	3.49	1.43	2.11	19.85	3.65	1.55	1.52
17.30	3.50	1.43	2.10	19.90	3.66	1.55	1.51
17.35	3.50	1.43	2.08	19.95	3.66	1.55	1.51
17.40	3.50	1.43	2.06	20.00	3.66	1.55	1.50
17.45	3.51	1.44	2.04	20.05	3.66	1.55	1.50
17.50	3.51	1.44	2.02	20.10	3.67	1.56	1.49
17.55	3.52	1.44	2.00	20.15	3.67	1.56	1.49
17.60	3.52	1.44	1.98	20.20	3.67	1.56	1.48
17.65	3.52	1.45	1.96	20.25	3.68	1.56	1.48
17.70	3.53	1.45	1.94	20.30	3.68	1.56	1.47
17.75	3.53	1.45	1.92	20.35	3.68	1.57	1.47
17.80	3.53	1.45	1.90	20.40	3.68	1.57	1.46
17.85	3.54	1.46	1.88	20.45	3.69	1.57	1.46
17.90	3.54	1.46	1.86	20.50	3.69	1.57	1.45
17.95	3.54	1.46	1.84	20.55	3.69	1.57	1.45
18.00	3.54	1.46	1.82	20.60	3.69	1.58	1.44
18.05	3.55	1.47	1.81	20.65	3.70	1.58	1.44
18.10	3.55	1.47	1.79	20.70	3.70	1.58	1.44
18.15	3.55	1.47	1.77	20.75	3.70	1.58	1.43

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.58	1.43	23.40	3.82	1.68	1.17
20.85	3.71	1.59	1.42	23.45	3.83	1.68	1.17
20.90	3.71	1.59	1.42	23.50	3.83	1.68	1.16
20.95	3.71	1.59	1.41	23.55	3.83	1.68	1.16
21.00	3.71	1.59	1.41	23.60	3.83	1.68	1.15
21.05	3.72	1.59	1.40	23.65	3.84	1.68	1.15
21.10	3.72	1.60	1.40	23.70	3.84	1.69	1.14
21.15	3.72	1.60	1.39	23.75	3.84	1.69	1.14
21.20	3.72	1.60	1.39	23.80	3.84	1.69	1.13
21.25	3.73	1.60	1.38	23.85	3.84	1.69	1.13
21.30	3.73	1.60	1.38	23.90	3.85	1.69	1.12
21.35	3.73	1.60	1.37	23.95	3.85	1.69	1.12
21.40	3.73	1.61	1.37	24.00	**3.85**	**1.70**	1.12
21.45	3.74	1.61	1.36	24.05	3.85	1.70	1.12
21.50	3.74	1.61	1.36	24.10	3.85	1.70	1.12
21.55	3.74	1.61	1.36	24.15	3.85	1.70	1.10
21.60	3.74	1.61	1.35	24.20	3.85	1.70	1.05
21.65	3.75	1.62	1.35	24.25	3.85	1.70	0.95
21.70	3.75	1.62	1.34	24.30	3.85	1.70	0.82
21.75	3.75	1.62	1.34	24.35	3.85	1.70	0.67
21.80	3.75	1.62	1.33	24.40	3.85	1.70	0.53
21.85	3.76	1.62	1.33	24.45	3.85	1.70	0.41
21.90	3.76	1.63	1.32	24.50	3.85	1.70	0.30
21.95	3.76	1.63	1.32	24.55	3.85	1.70	0.23
22.00	3.76	1.63	1.31	24.60	3.85	1.70	0.17
22.05	3.77	1.63	1.31	24.65	3.85	1.70	0.13
22.10	3.77	1.63	1.30	24.70	3.85	1.70	0.10
22.15	3.77	1.63	1.30	24.75	3.85	1.70	0.08
22.20	3.77	1.64	1.29	24.80	3.85	1.70	0.06
22.25	3.77	1.64	1.29	24.85	3.85	1.70	0.04
22.30	3.78	1.64	1.28	24.90	3.85	1.70	0.03
22.35	3.78	1.64	1.28	24.95	3.85	1.70	0.02
22.40	3.78	1.64	1.27	25.00	3.85	1.70	0.02
22.45	3.78	1.64	1.27	25.05	3.85	1.70	0.01
22.50	3.79	1.65	1.26	25.10	3.85	1.70	0.01
22.55	3.79	1.65	1.26	25.15	3.85	1.70	0.01
22.60	3.79	1.65	1.25	25.20	3.85	1.70	0.01
22.65	3.79	1.65	1.25	25.25	3.85	1.70	0.00
22.70	3.79	1.65	1.24	25.30	3.85	1.70	0.00
22.75	3.80	1.65	1.24	25.35	3.85	1.70	0.00
22.80	3.80	1.66	1.23	25.40	3.85	1.70	0.00
22.85	3.80	1.66	1.23	25.45	3.85	1.70	0.00
22.90	3.80	1.66	1.22	25.50	3.85	1.70	0.00
22.95	3.81	1.66	1.22	25.55	3.85	1.70	0.00
23.00	3.81	1.66	1.21	25.60	3.85	1.70	0.00
23.05	3.81	1.66	1.21	25.65	3.85	1.70	0.00
23.10	3.81	1.67	1.20	25.70	3.85	1.70	0.00
23.15	3.81	1.67	1.20	25.75	3.85	1.70	0.00
23.20	3.82	1.67	1.19	25.80	3.85	1.70	0.00
23.25	3.82	1.67	1.19	25.85	3.85	1.70	0.00
23.30	3.82	1.67	1.18	25.90	3.85	1.70	0.00
23.35	3.82	1.67	1.18	25.95	3.85	1.70	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.70	0.00	28.60	3.85	1.70	0.00
26.05	3.85	1.70	0.00	28.65	3.85	1.70	0.00
26.10	3.85	1.70	0.00	28.70	3.85	1.70	0.00
26.15	3.85	1.70	0.00	28.75	3.85	1.70	0.00
26.20	3.85	1.70	0.00	28.80	3.85	1.70	0.00
26.25	3.85	1.70	0.00	28.85	3.85	1.70	0.00
26.30	3.85	1.70	0.00	28.90	3.85	1.70	0.00
26.35	3.85	1.70	0.00	28.95	3.85	1.70	0.00
26.40	3.85	1.70	0.00	29.00	3.85	1.70	0.00
26.45	3.85	1.70	0.00	29.05	3.85	1.70	0.00
26.50	3.85	1.70	0.00	29.10	3.85	1.70	0.00
26.55	3.85	1.70	0.00	29.15	3.85	1.70	0.00
26.60	3.85	1.70	0.00	29.20	3.85	1.70	0.00
26.65	3.85	1.70	0.00	29.25	3.85	1.70	0.00
26.70	3.85	1.70	0.00	29.30	3.85	1.70	0.00
26.75	3.85	1.70	0.00	29.35	3.85	1.70	0.00
26.80	3.85	1.70	0.00	29.40	3.85	1.70	0.00
26.85	3.85	1.70	0.00	29.45	3.85	1.70	0.00
26.90	3.85	1.70	0.00	29.50	3.85	1.70	0.00
26.95	3.85	1.70	0.00	29.55	3.85	1.70	0.00
27.00	3.85	1.70	0.00	29.60	3.85	1.70	0.00
27.05	3.85	1.70	0.00	29.65	3.85	1.70	0.00
27.10	3.85	1.70	0.00	29.70	3.85	1.70	0.00
27.15	3.85	1.70	0.00	29.75	3.85	1.70	0.00
27.20	3.85	1.70	0.00	29.80	3.85	1.70	0.00
27.25	3.85	1.70	0.00	29.85	3.85	1.70	0.00
27.30	3.85	1.70	0.00	29.90	3.85	1.70	0.00
27.35	3.85	1.70	0.00	29.95	3.85	1.70	0.00
27.40	3.85	1.70	0.00	30.00	3.85	1.70	0.00
27.45	3.85	1.70	0.00	30.05	3.85	1.70	0.00
27.50	3.85	1.70	0.00	30.10	3.85	1.70	0.00
27.55	3.85	1.70	0.00	30.15	3.85	1.70	0.00
27.60	3.85	1.70	0.00	30.20	3.85	1.70	0.00
27.65	3.85	1.70	0.00	30.25	3.85	1.70	0.00
27.70	3.85	1.70	0.00	30.30	3.85	1.70	0.00
27.75	3.85	1.70	0.00	30.35	3.85	1.70	0.00
27.80	3.85	1.70	0.00	30.40	3.85	1.70	0.00
27.85	3.85	1.70	0.00	30.45	3.85	1.70	0.00
27.90	3.85	1.70	0.00	30.50	3.85	1.70	0.00
27.95	3.85	1.70	0.00	30.55	3.85	1.70	0.00
28.00	3.85	1.70	0.00	30.60	3.85	1.70	0.00
28.05	3.85	1.70	0.00	30.65	3.85	1.70	0.00
28.10	3.85	1.70	0.00	30.70	3.85	1.70	0.00
28.15	3.85	1.70	0.00	30.75	3.85	1.70	0.00
28.20	3.85	1.70	0.00	30.80	3.85	1.70	0.00
28.25	3.85	1.70	0.00	30.85	3.85	1.70	0.00
28.30	3.85	1.70	0.00	30.90	3.85	1.70	0.00
28.35	3.85	1.70	0.00	30.95	3.85	1.70	0.00
28.40	3.85	1.70	0.00	31.00	3.85	1.70	0.00
28.45	3.85	1.70	0.00	31.05	3.85	1.70	0.00
28.50	3.85	1.70	0.00	31.10	3.85	1.70	0.00
28.55	3.85	1.70	0.00	31.15	3.85	1.70	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.70	0.00	33.80	3.85	1.70	0.00
31.25	3.85	1.70	0.00	33.85	3.85	1.70	0.00
31.30	3.85	1.70	0.00	33.90	3.85	1.70	0.00
31.35	3.85	1.70	0.00	33.95	3.85	1.70	0.00
31.40	3.85	1.70	0.00	34.00	3.85	1.70	0.00
31.45	3.85	1.70	0.00	34.05	3.85	1.70	0.00
31.50	3.85	1.70	0.00	34.10	3.85	1.70	0.00
31.55	3.85	1.70	0.00	34.15	3.85	1.70	0.00
31.60	3.85	1.70	0.00	34.20	3.85	1.70	0.00
31.65	3.85	1.70	0.00	34.25	3.85	1.70	0.00
31.70	3.85	1.70	0.00	34.30	3.85	1.70	0.00
31.75	3.85	1.70	0.00	34.35	3.85	1.70	0.00
31.80	3.85	1.70	0.00	34.40	3.85	1.70	0.00
31.85	3.85	1.70	0.00	34.45	3.85	1.70	0.00
31.90	3.85	1.70	0.00	34.50	3.85	1.70	0.00
31.95	3.85	1.70	0.00	34.55	3.85	1.70	0.00
32.00	3.85	1.70	0.00	34.60	3.85	1.70	0.00
32.05	3.85	1.70	0.00	34.65	3.85	1.70	0.00
32.10	3.85	1.70	0.00	34.70	3.85	1.70	0.00
32.15	3.85	1.70	0.00	34.75	3.85	1.70	0.00
32.20	3.85	1.70	0.00	34.80	3.85	1.70	0.00
32.25	3.85	1.70	0.00	34.85	3.85	1.70	0.00
32.30	3.85	1.70	0.00	34.90	3.85	1.70	0.00
32.35	3.85	1.70	0.00	34.95	3.85	1.70	0.00
32.40	3.85	1.70	0.00	35.00	3.85	1.70	0.00
32.45	3.85	1.70	0.00	35.05	3.85	1.70	0.00
32.50	3.85	1.70	0.00	35.10	3.85	1.70	0.00
32.55	3.85	1.70	0.00	35.15	3.85	1.70	0.00
32.60	3.85	1.70	0.00	35.20	3.85	1.70	0.00
32.65	3.85	1.70	0.00	35.25	3.85	1.70	0.00
32.70	3.85	1.70	0.00	35.30	3.85	1.70	0.00
32.75	3.85	1.70	0.00	35.35	3.85	1.70	0.00
32.80	3.85	1.70	0.00	35.40	3.85	1.70	0.00
32.85	3.85	1.70	0.00	35.45	3.85	1.70	0.00
32.90	3.85	1.70	0.00	35.50	3.85	1.70	0.00
32.95	3.85	1.70	0.00	35.55	3.85	1.70	0.00
33.00	3.85	1.70	0.00	35.60	3.85	1.70	0.00
33.05	3.85	1.70	0.00	35.65	3.85	1.70	0.00
33.10	3.85	1.70	0.00	35.70	3.85	1.70	0.00
33.15	3.85	1.70	0.00	35.75	3.85	1.70	0.00
33.20	3.85	1.70	0.00	35.80	3.85	1.70	0.00
33.25	3.85	1.70	0.00	35.85	3.85	1.70	0.00
33.30	3.85	1.70	0.00	35.90	3.85	1.70	0.00
33.35	3.85	1.70	0.00	35.95	3.85	1.70	0.00
33.40	3.85	1.70	0.00	36.00	3.85	1.70	0.00
33.45	3.85	1.70	0.00	36.05	3.85	1.70	0.00
33.50	3.85	1.70	0.00	36.10	3.85	1.70	0.00
33.55	3.85	1.70	0.00	36.15	3.85	1.70	0.00
33.60	3.85	1.70	0.00	36.20	3.85	1.70	0.00
33.65	3.85	1.70	0.00	36.25	3.85	1.70	0.00
33.70	3.85	1.70	0.00	36.30	3.85	1.70	0.00
33.75	3.85	1.70	0.00	36.35	3.85	1.70	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.70	0.00
36.45	3.85	1.70	0.00
36.50	3.85	1.70	0.00
36.55	3.85	1.70	0.00
36.60	3.85	1.70	0.00
36.65	3.85	1.70	0.00
36.70	3.85	1.70	0.00
36.75	3.85	1.70	0.00
36.80	3.85	1.70	0.00
36.85	3.85	1.70	0.00
36.90	3.85	1.70	0.00
36.95	3.85	1.70	0.00
37.00	3.85	1.70	0.00
37.05	3.85	1.70	0.00
37.10	3.85	1.70	0.00
37.15	3.85	1.70	0.00
37.20	3.85	1.70	0.00
37.25	3.85	1.70	0.00
37.30	3.85	1.70	0.00
37.35	3.85	1.70	0.00
37.40	3.85	1.70	0.00
37.45	3.85	1.70	0.00
37.50	3.85	1.70	0.00
37.55	3.85	1.70	0.00
37.60	3.85	1.70	0.00
37.65	3.85	1.70	0.00
37.70	3.85	1.70	0.00
37.75	3.85	1.70	0.00
37.80	3.85	1.70	0.00
37.85	3.85	1.70	0.00
37.90	3.85	1.70	0.00
37.95	3.85	1.70	0.00
38.00	3.85	1.70	0.00
38.05	3.85	1.70	0.00
38.10	3.85	1.70	0.00
38.15	3.85	1.70	0.00
38.20	3.85	1.70	0.00
38.25	3.85	1.70	0.00
38.30	3.85	1.70	0.00
38.35	3.85	1.70	0.00
38.40	3.85	1.70	0.00
38.45	3.85	1.70	0.00
38.50	3.85	1.70	0.00
38.55	3.85	1.70	0.00
38.60	3.85	1.70	0.00
38.65	3.85	1.70	0.00
38.70	3.85	1.70	0.00
38.75	3.85	1.70	0.00
38.80	3.85	1.70	0.00
38.85	3.85	1.70	0.00
38.90	3.85	1.70	0.00
38.95	3.85	1.70	0.00
39.00	3.85	1.70	0.00
39.05	3.85	1.70	0.00
39.10	3.85	1.70	0.00
39.15	3.85	1.70	0.00
39.20	3.85	1.70	0.00
39.25	3.85	1.70	0.00
39.30	3.85	1.70	0.00
39.35	3.85	1.70	0.00
39.40	3.85	1.70	0.00
39.45	3.85	1.70	0.00
39.50	3.85	1.70	0.00
39.55	3.85	1.70	0.00
39.60	3.85	1.70	0.00
39.65	3.85	1.70	0.00
39.70	3.85	1.70	0.00
39.75	3.85	1.70	0.00
39.80	3.85	1.70	0.00
39.85	3.85	1.70	0.00
39.90	3.85	1.70	0.00
39.95	3.85	1.70	0.00
40.00	3.85	1.70	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

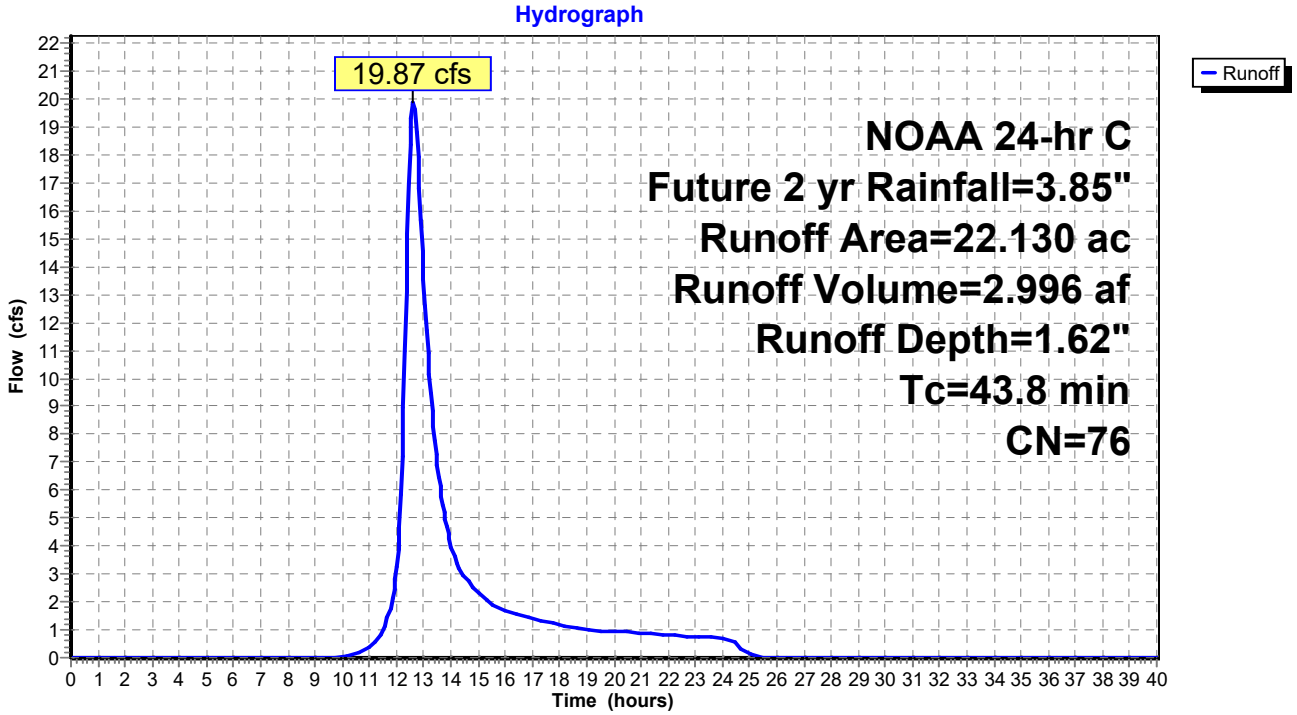
Runoff = 19.87 cfs @ 12.62 hrs, Volume= 2.996 af, Depth= 1.62"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.01
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.01
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.01
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.02
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.03
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.04
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.05
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.06
7.75	0.44	0.00	0.00	10.35	0.76	0.01	0.07

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.01	0.09	13.00	2.93	0.97	13.54
10.45	0.78	0.01	0.10	13.05	2.94	0.98	12.57
10.50	0.79	0.01	0.12	13.10	2.96	0.99	11.70
10.55	0.80	0.01	0.14	13.15	2.97	1.00	10.89
10.60	0.82	0.01	0.15	13.20	2.98	1.00	10.15
10.65	0.83	0.01	0.17	13.25	3.00	1.01	9.47
10.70	0.84	0.01	0.20	13.30	3.01	1.02	8.85
10.75	0.85	0.01	0.22	13.35	3.02	1.03	8.28
10.80	0.87	0.02	0.24	13.40	3.03	1.04	7.77
10.85	0.88	0.02	0.27	13.45	3.05	1.05	7.30
10.90	0.89	0.02	0.30	13.50	3.06	1.05	6.87
10.95	0.91	0.02	0.33	13.55	3.07	1.06	6.48
11.00	0.92	0.02	0.37	13.60	3.08	1.07	6.12
11.05	0.94	0.03	0.40	13.65	3.09	1.07	5.78
11.10	0.96	0.03	0.45	13.70	3.09	1.08	5.47
11.15	0.98	0.03	0.49	13.75	3.10	1.09	5.19
11.20	1.00	0.04	0.54	13.80	3.11	1.09	4.93
11.25	1.02	0.04	0.60	13.85	3.12	1.10	4.69
11.30	1.04	0.05	0.66	13.90	3.13	1.10	4.46
11.35	1.06	0.05	0.73	13.95	3.14	1.11	4.25
11.40	1.09	0.06	0.81	14.00	3.15	1.12	4.06
11.45	1.11	0.06	0.90	14.05	3.16	1.12	3.89
11.50	1.14	0.07	0.99	14.10	3.16	1.13	3.73
11.55	1.18	0.08	1.09	14.15	3.17	1.13	3.59
11.60	1.22	0.09	1.21	14.20	3.18	1.14	3.46
11.65	1.26	0.10	1.34	14.25	3.19	1.14	3.35
11.70	1.30	0.12	1.49	14.30	3.20	1.15	3.24
11.75	1.35	0.13	1.67	14.35	3.20	1.15	3.14
11.80	1.41	0.15	1.87	14.40	3.21	1.16	3.05
11.85	1.49	0.18	2.12	14.45	3.22	1.16	2.97
11.90	1.57	0.21	2.43	14.50	3.23	1.17	2.89
11.95	1.70	0.27	2.80	14.55	3.23	1.17	2.83
12.00	1.83	0.33	3.27	14.60	3.24	1.18	2.76
12.05	2.06	0.44	3.88	14.65	3.25	1.18	2.70
12.10	2.28	0.57	4.70	14.70	3.25	1.19	2.64
12.15	2.36	0.61	5.82	14.75	3.26	1.19	2.59
12.20	2.44	0.66	7.24	14.80	3.26	1.20	2.54
12.25	2.50	0.69	8.97	14.85	3.27	1.20	2.49
12.30	2.55	0.73	10.96	14.90	3.28	1.21	2.44
12.35	2.59	0.75	13.09	14.95	3.28	1.21	2.39
12.40	2.63	0.78	15.17	15.00	3.29	1.21	2.34
12.45	2.67	0.80	16.97	15.05	3.29	1.22	2.30
12.50	2.71	0.83	18.40	15.10	3.30	1.22	2.25
12.55	2.74	0.84	19.31	15.15	3.30	1.22	2.21
12.60	2.76	0.86	**19.81**	15.20	3.31	1.23	2.16
12.65	2.79	0.87	19.81	15.25	3.31	1.23	2.12
12.70	2.81	0.89	19.49	15.30	3.32	1.24	2.07
12.75	2.83	0.90	18.81	15.35	3.32	1.24	2.03
12.80	2.85	0.92	17.92	15.40	3.33	1.24	1.99
12.85	2.87	0.93	16.82	15.45	3.34	1.25	1.95
12.90	2.89	0.94	15.69	15.50	3.34	1.25	1.92
12.95	2.91	0.95	14.57	15.55	3.35	1.25	1.88

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.26	1.85	18.20	3.56	1.41	1.14
15.65	3.36	1.26	1.82	18.25	3.56	1.41	1.12
15.70	3.36	1.26	1.79	18.30	3.56	1.41	1.11
15.75	3.36	1.27	1.77	18.35	3.57	1.41	1.10
15.80	3.37	1.27	1.75	18.40	3.57	1.42	1.09
15.85	3.37	1.28	1.72	18.45	3.57	1.42	1.08
15.90	3.38	1.28	1.71	18.50	3.58	1.42	1.07
15.95	3.38	1.28	1.69	18.55	3.58	1.42	1.06
16.00	3.39	1.29	1.67	18.60	3.58	1.42	1.05
16.05	3.39	1.29	1.65	18.65	3.58	1.43	1.04
16.10	3.40	1.29	1.64	18.70	3.59	1.43	1.04
16.15	3.40	1.30	1.62	18.75	3.59	1.43	1.03
16.20	3.41	1.30	1.61	18.80	3.59	1.43	1.02
16.25	3.41	1.30	1.60	18.85	3.60	1.44	1.02
16.30	3.42	1.30	1.58	18.90	3.60	1.44	1.01
16.35	3.42	1.31	1.57	18.95	3.60	1.44	1.01
16.40	3.42	1.31	1.56	19.00	3.61	1.44	1.00
16.45	3.43	1.31	1.55	19.05	3.61	1.44	1.00
16.50	3.43	1.32	1.53	19.10	3.61	1.45	0.99
16.55	3.44	1.32	1.52	19.15	3.61	1.45	0.99
16.60	3.44	1.32	1.51	19.20	3.62	1.45	0.99
16.65	3.45	1.33	1.50	19.25	3.62	1.45	0.98
16.70	3.45	1.33	1.49	19.30	3.62	1.45	0.98
16.75	3.45	1.33	1.47	19.35	3.63	1.46	0.98
16.80	3.46	1.34	1.46	19.40	3.63	1.46	0.97
16.85	3.46	1.34	1.45	19.45	3.63	1.46	0.97
16.90	3.47	1.34	1.44	19.50	3.63	1.46	0.97
16.95	3.47	1.34	1.43	19.55	3.64	1.47	0.96
17.00	3.47	1.35	1.42	19.60	3.64	1.47	0.96
17.05	3.48	1.35	1.40	19.65	3.64	1.47	0.96
17.10	3.48	1.35	1.39	19.70	3.65	1.47	0.96
17.15	3.49	1.36	1.38	19.75	3.65	1.47	0.95
17.20	3.49	1.36	1.37	19.80	3.65	1.48	0.95
17.25	3.49	1.36	1.36	19.85	3.65	1.48	0.95
17.30	3.50	1.36	1.35	19.90	3.66	1.48	0.94
17.35	3.50	1.37	1.34	19.95	3.66	1.48	0.94
17.40	3.50	1.37	1.32	20.00	3.66	1.48	0.94
17.45	3.51	1.37	1.31	20.05	3.66	1.49	0.94
17.50	3.51	1.37	1.30	20.10	3.67	1.49	0.93
17.55	3.52	1.38	1.29	20.15	3.67	1.49	0.93
17.60	3.52	1.38	1.28	20.20	3.67	1.49	0.93
17.65	3.52	1.38	1.27	20.25	3.68	1.49	0.92
17.70	3.53	1.38	1.25	20.30	3.68	1.50	0.92
17.75	3.53	1.39	1.24	20.35	3.68	1.50	0.92
17.80	3.53	1.39	1.23	20.40	3.68	1.50	0.92
17.85	3.54	1.39	1.22	20.45	3.69	1.50	0.91
17.90	3.54	1.39	1.21	20.50	3.69	1.50	0.91
17.95	3.54	1.40	1.20	20.55	3.69	1.51	0.91
18.00	3.54	1.40	1.18	20.60	3.69	1.51	0.90
18.05	3.55	1.40	1.17	20.65	3.70	1.51	0.90
18.10	3.55	1.40	1.16	20.70	3.70	1.51	0.90
18.15	3.55	1.40	1.15	20.75	3.70	1.51	0.90

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.52	0.89	23.40	3.82	1.61	0.74
20.85	3.71	1.52	0.89	23.45	3.83	1.61	0.73
20.90	3.71	1.52	0.89	23.50	3.83	1.61	0.73
20.95	3.71	1.52	0.88	23.55	3.83	1.61	0.73
21.00	3.71	1.52	0.88	23.60	3.83	1.61	0.73
21.05	3.72	1.52	0.88	23.65	3.84	1.61	0.72
21.10	3.72	1.53	0.88	23.70	3.84	1.61	0.72
21.15	3.72	1.53	0.87	23.75	3.84	1.62	0.72
21.20	3.72	1.53	0.87	23.80	3.84	1.62	0.71
21.25	3.73	1.53	0.87	23.85	3.84	1.62	0.71
21.30	3.73	1.53	0.86	23.90	3.85	1.62	0.71
21.35	3.73	1.54	0.86	23.95	3.85	1.62	0.70
21.40	3.73	1.54	0.86	24.00	**3.85**	**1.62**	0.70
21.45	3.74	1.54	0.85	24.05	3.85	1.62	0.70
21.50	3.74	1.54	0.85	24.10	3.85	1.62	0.70
21.55	3.74	1.54	0.85	24.15	3.85	1.62	0.69
21.60	3.74	1.54	0.85	24.20	3.85	1.62	0.68
21.65	3.75	1.55	0.84	24.25	3.85	1.62	0.67
21.70	3.75	1.55	0.84	24.30	3.85	1.62	0.65
21.75	3.75	1.55	0.84	24.35	3.85	1.62	0.62
21.80	3.75	1.55	0.83	24.40	3.85	1.62	0.58
21.85	3.76	1.55	0.83	24.45	3.85	1.62	0.54
21.90	3.76	1.56	0.83	24.50	3.85	1.62	0.49
21.95	3.76	1.56	0.83	24.55	3.85	1.62	0.43
22.00	3.76	1.56	0.82	24.60	3.85	1.62	0.38
22.05	3.77	1.56	0.82	24.65	3.85	1.62	0.33
22.10	3.77	1.56	0.82	24.70	3.85	1.62	0.28
22.15	3.77	1.56	0.81	24.75	3.85	1.62	0.24
22.20	3.77	1.57	0.81	24.80	3.85	1.62	0.20
22.25	3.77	1.57	0.81	24.85	3.85	1.62	0.17
22.30	3.78	1.57	0.80	24.90	3.85	1.62	0.14
22.35	3.78	1.57	0.80	24.95	3.85	1.62	0.12
22.40	3.78	1.57	0.80	25.00	3.85	1.62	0.10
22.45	3.78	1.57	0.80	25.05	3.85	1.62	0.09
22.50	3.79	1.58	0.79	25.10	3.85	1.62	0.07
22.55	3.79	1.58	0.79	25.15	3.85	1.62	0.06
22.60	3.79	1.58	0.79	25.20	3.85	1.62	0.05
22.65	3.79	1.58	0.78	25.25	3.85	1.62	0.04
22.70	3.79	1.58	0.78	25.30	3.85	1.62	0.04
22.75	3.80	1.58	0.78	25.35	3.85	1.62	0.03
22.80	3.80	1.59	0.77	25.40	3.85	1.62	0.03
22.85	3.80	1.59	0.77	25.45	3.85	1.62	0.02
22.90	3.80	1.59	0.77	25.50	3.85	1.62	0.02
22.95	3.81	1.59	0.77	25.55	3.85	1.62	0.02
23.00	3.81	1.59	0.76	25.60	3.85	1.62	0.01
23.05	3.81	1.59	0.76	25.65	3.85	1.62	0.01
23.10	3.81	1.60	0.76	25.70	3.85	1.62	0.01
23.15	3.81	1.60	0.75	25.75	3.85	1.62	0.01
23.20	3.82	1.60	0.75	25.80	3.85	1.62	0.01
23.25	3.82	1.60	0.75	25.85	3.85	1.62	0.01
23.30	3.82	1.60	0.74	25.90	3.85	1.62	0.00
23.35	3.82	1.60	0.74	25.95	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.62	0.00	28.60	3.85	1.62	0.00
26.05	3.85	1.62	0.00	28.65	3.85	1.62	0.00
26.10	3.85	1.62	0.00	28.70	3.85	1.62	0.00
26.15	3.85	1.62	0.00	28.75	3.85	1.62	0.00
26.20	3.85	1.62	0.00	28.80	3.85	1.62	0.00
26.25	3.85	1.62	0.00	28.85	3.85	1.62	0.00
26.30	3.85	1.62	0.00	28.90	3.85	1.62	0.00
26.35	3.85	1.62	0.00	28.95	3.85	1.62	0.00
26.40	3.85	1.62	0.00	29.00	3.85	1.62	0.00
26.45	3.85	1.62	0.00	29.05	3.85	1.62	0.00
26.50	3.85	1.62	0.00	29.10	3.85	1.62	0.00
26.55	3.85	1.62	0.00	29.15	3.85	1.62	0.00
26.60	3.85	1.62	0.00	29.20	3.85	1.62	0.00
26.65	3.85	1.62	0.00	29.25	3.85	1.62	0.00
26.70	3.85	1.62	0.00	29.30	3.85	1.62	0.00
26.75	3.85	1.62	0.00	29.35	3.85	1.62	0.00
26.80	3.85	1.62	0.00	29.40	3.85	1.62	0.00
26.85	3.85	1.62	0.00	29.45	3.85	1.62	0.00
26.90	3.85	1.62	0.00	29.50	3.85	1.62	0.00
26.95	3.85	1.62	0.00	29.55	3.85	1.62	0.00
27.00	3.85	1.62	0.00	29.60	3.85	1.62	0.00
27.05	3.85	1.62	0.00	29.65	3.85	1.62	0.00
27.10	3.85	1.62	0.00	29.70	3.85	1.62	0.00
27.15	3.85	1.62	0.00	29.75	3.85	1.62	0.00
27.20	3.85	1.62	0.00	29.80	3.85	1.62	0.00
27.25	3.85	1.62	0.00	29.85	3.85	1.62	0.00
27.30	3.85	1.62	0.00	29.90	3.85	1.62	0.00
27.35	3.85	1.62	0.00	29.95	3.85	1.62	0.00
27.40	3.85	1.62	0.00	30.00	3.85	1.62	0.00
27.45	3.85	1.62	0.00	30.05	3.85	1.62	0.00
27.50	3.85	1.62	0.00	30.10	3.85	1.62	0.00
27.55	3.85	1.62	0.00	30.15	3.85	1.62	0.00
27.60	3.85	1.62	0.00	30.20	3.85	1.62	0.00
27.65	3.85	1.62	0.00	30.25	3.85	1.62	0.00
27.70	3.85	1.62	0.00	30.30	3.85	1.62	0.00
27.75	3.85	1.62	0.00	30.35	3.85	1.62	0.00
27.80	3.85	1.62	0.00	30.40	3.85	1.62	0.00
27.85	3.85	1.62	0.00	30.45	3.85	1.62	0.00
27.90	3.85	1.62	0.00	30.50	3.85	1.62	0.00
27.95	3.85	1.62	0.00	30.55	3.85	1.62	0.00
28.00	3.85	1.62	0.00	30.60	3.85	1.62	0.00
28.05	3.85	1.62	0.00	30.65	3.85	1.62	0.00
28.10	3.85	1.62	0.00	30.70	3.85	1.62	0.00
28.15	3.85	1.62	0.00	30.75	3.85	1.62	0.00
28.20	3.85	1.62	0.00	30.80	3.85	1.62	0.00
28.25	3.85	1.62	0.00	30.85	3.85	1.62	0.00
28.30	3.85	1.62	0.00	30.90	3.85	1.62	0.00
28.35	3.85	1.62	0.00	30.95	3.85	1.62	0.00
28.40	3.85	1.62	0.00	31.00	3.85	1.62	0.00
28.45	3.85	1.62	0.00	31.05	3.85	1.62	0.00
28.50	3.85	1.62	0.00	31.10	3.85	1.62	0.00
28.55	3.85	1.62	0.00	31.15	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.62	0.00	33.80	3.85	1.62	0.00
31.25	3.85	1.62	0.00	33.85	3.85	1.62	0.00
31.30	3.85	1.62	0.00	33.90	3.85	1.62	0.00
31.35	3.85	1.62	0.00	33.95	3.85	1.62	0.00
31.40	3.85	1.62	0.00	34.00	3.85	1.62	0.00
31.45	3.85	1.62	0.00	34.05	3.85	1.62	0.00
31.50	3.85	1.62	0.00	34.10	3.85	1.62	0.00
31.55	3.85	1.62	0.00	34.15	3.85	1.62	0.00
31.60	3.85	1.62	0.00	34.20	3.85	1.62	0.00
31.65	3.85	1.62	0.00	34.25	3.85	1.62	0.00
31.70	3.85	1.62	0.00	34.30	3.85	1.62	0.00
31.75	3.85	1.62	0.00	34.35	3.85	1.62	0.00
31.80	3.85	1.62	0.00	34.40	3.85	1.62	0.00
31.85	3.85	1.62	0.00	34.45	3.85	1.62	0.00
31.90	3.85	1.62	0.00	34.50	3.85	1.62	0.00
31.95	3.85	1.62	0.00	34.55	3.85	1.62	0.00
32.00	3.85	1.62	0.00	34.60	3.85	1.62	0.00
32.05	3.85	1.62	0.00	34.65	3.85	1.62	0.00
32.10	3.85	1.62	0.00	34.70	3.85	1.62	0.00
32.15	3.85	1.62	0.00	34.75	3.85	1.62	0.00
32.20	3.85	1.62	0.00	34.80	3.85	1.62	0.00
32.25	3.85	1.62	0.00	34.85	3.85	1.62	0.00
32.30	3.85	1.62	0.00	34.90	3.85	1.62	0.00
32.35	3.85	1.62	0.00	34.95	3.85	1.62	0.00
32.40	3.85	1.62	0.00	35.00	3.85	1.62	0.00
32.45	3.85	1.62	0.00	35.05	3.85	1.62	0.00
32.50	3.85	1.62	0.00	35.10	3.85	1.62	0.00
32.55	3.85	1.62	0.00	35.15	3.85	1.62	0.00
32.60	3.85	1.62	0.00	35.20	3.85	1.62	0.00
32.65	3.85	1.62	0.00	35.25	3.85	1.62	0.00
32.70	3.85	1.62	0.00	35.30	3.85	1.62	0.00
32.75	3.85	1.62	0.00	35.35	3.85	1.62	0.00
32.80	3.85	1.62	0.00	35.40	3.85	1.62	0.00
32.85	3.85	1.62	0.00	35.45	3.85	1.62	0.00
32.90	3.85	1.62	0.00	35.50	3.85	1.62	0.00
32.95	3.85	1.62	0.00	35.55	3.85	1.62	0.00
33.00	3.85	1.62	0.00	35.60	3.85	1.62	0.00
33.05	3.85	1.62	0.00	35.65	3.85	1.62	0.00
33.10	3.85	1.62	0.00	35.70	3.85	1.62	0.00
33.15	3.85	1.62	0.00	35.75	3.85	1.62	0.00
33.20	3.85	1.62	0.00	35.80	3.85	1.62	0.00
33.25	3.85	1.62	0.00	35.85	3.85	1.62	0.00
33.30	3.85	1.62	0.00	35.90	3.85	1.62	0.00
33.35	3.85	1.62	0.00	35.95	3.85	1.62	0.00
33.40	3.85	1.62	0.00	36.00	3.85	1.62	0.00
33.45	3.85	1.62	0.00	36.05	3.85	1.62	0.00
33.50	3.85	1.62	0.00	36.10	3.85	1.62	0.00
33.55	3.85	1.62	0.00	36.15	3.85	1.62	0.00
33.60	3.85	1.62	0.00	36.20	3.85	1.62	0.00
33.65	3.85	1.62	0.00	36.25	3.85	1.62	0.00
33.70	3.85	1.62	0.00	36.30	3.85	1.62	0.00
33.75	3.85	1.62	0.00	36.35	3.85	1.62	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.62	0.00
36.45	3.85	1.62	0.00
36.50	3.85	1.62	0.00
36.55	3.85	1.62	0.00
36.60	3.85	1.62	0.00
36.65	3.85	1.62	0.00
36.70	3.85	1.62	0.00
36.75	3.85	1.62	0.00
36.80	3.85	1.62	0.00
36.85	3.85	1.62	0.00
36.90	3.85	1.62	0.00
36.95	3.85	1.62	0.00
37.00	3.85	1.62	0.00
37.05	3.85	1.62	0.00
37.10	3.85	1.62	0.00
37.15	3.85	1.62	0.00
37.20	3.85	1.62	0.00
37.25	3.85	1.62	0.00
37.30	3.85	1.62	0.00
37.35	3.85	1.62	0.00
37.40	3.85	1.62	0.00
37.45	3.85	1.62	0.00
37.50	3.85	1.62	0.00
37.55	3.85	1.62	0.00
37.60	3.85	1.62	0.00
37.65	3.85	1.62	0.00
37.70	3.85	1.62	0.00
37.75	3.85	1.62	0.00
37.80	3.85	1.62	0.00
37.85	3.85	1.62	0.00
37.90	3.85	1.62	0.00
37.95	3.85	1.62	0.00
38.00	3.85	1.62	0.00
38.05	3.85	1.62	0.00
38.10	3.85	1.62	0.00
38.15	3.85	1.62	0.00
38.20	3.85	1.62	0.00
38.25	3.85	1.62	0.00
38.30	3.85	1.62	0.00
38.35	3.85	1.62	0.00
38.40	3.85	1.62	0.00
38.45	3.85	1.62	0.00
38.50	3.85	1.62	0.00
38.55	3.85	1.62	0.00
38.60	3.85	1.62	0.00
38.65	3.85	1.62	0.00
38.70	3.85	1.62	0.00
38.75	3.85	1.62	0.00
38.80	3.85	1.62	0.00
38.85	3.85	1.62	0.00
38.90	3.85	1.62	0.00
38.95	3.85	1.62	0.00
39.00	3.85	1.62	0.00
39.05	3.85	1.62	0.00
39.10	3.85	1.62	0.00
39.15	3.85	1.62	0.00
39.20	3.85	1.62	0.00
39.25	3.85	1.62	0.00
39.30	3.85	1.62	0.00
39.35	3.85	1.62	0.00
39.40	3.85	1.62	0.00
39.45	3.85	1.62	0.00
39.50	3.85	1.62	0.00
39.55	3.85	1.62	0.00
39.60	3.85	1.62	0.00
39.65	3.85	1.62	0.00
39.70	3.85	1.62	0.00
39.75	3.85	1.62	0.00
39.80	3.85	1.62	0.00
39.85	3.85	1.62	0.00
39.90	3.85	1.62	0.00
39.95	3.85	1.62	0.00
40.00	3.85	1.62	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

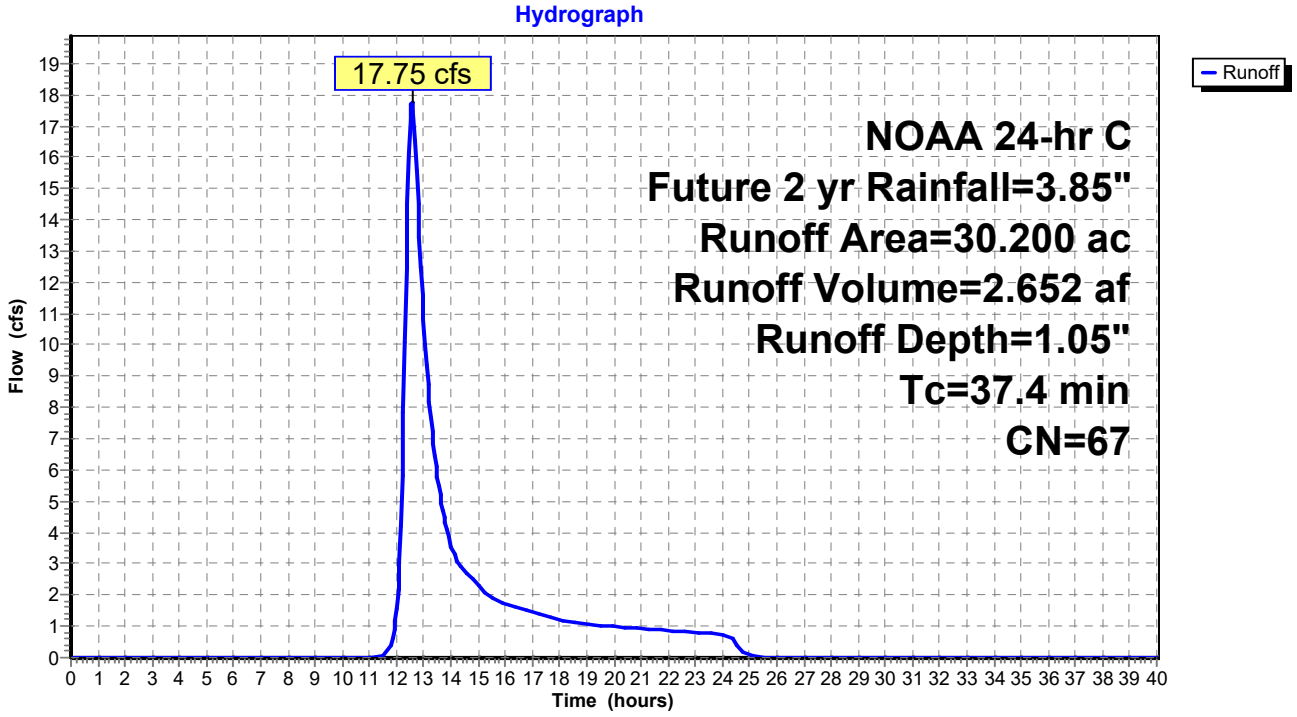
Runoff = 17.75 cfs @ 12.58 hrs, Volume= 2.652 af, Depth= 1.05"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.55	10.80
10.45	0.78	0.00	0.00	13.05	2.94	0.56	10.05
10.50	0.79	0.00	0.00	13.10	2.96	0.56	9.37
10.55	0.80	0.00	0.00	13.15	2.97	0.57	8.74
10.60	0.82	0.00	0.00	13.20	2.98	0.58	8.18
10.65	0.83	0.00	0.00	13.25	3.00	0.58	7.68
10.70	0.84	0.00	0.00	13.30	3.01	0.59	7.22
10.75	0.85	0.00	0.00	13.35	3.02	0.60	6.81
10.80	0.87	0.00	0.00	13.40	3.03	0.60	6.43
10.85	0.88	0.00	0.00	13.45	3.05	0.61	6.08
10.90	0.89	0.00	0.00	13.50	3.06	0.61	5.76
10.95	0.91	0.00	0.00	13.55	3.07	0.62	5.47
11.00	0.92	0.00	0.00	13.60	3.08	0.62	5.20
11.05	0.94	0.00	0.00	13.65	3.09	0.63	4.94
11.10	0.96	0.00	0.00	13.70	3.09	0.63	4.71
11.15	0.98	0.00	0.00	13.75	3.10	0.64	4.49
11.20	1.00	0.00	0.00	13.80	3.11	0.64	4.29
11.25	1.02	0.00	0.00	13.85	3.12	0.65	4.10
11.30	1.04	0.00	0.00	13.90	3.13	0.65	3.92
11.35	1.06	0.00	0.00	13.95	3.14	0.66	3.76
11.40	1.09	0.00	0.01	14.00	3.15	0.66	3.62
11.45	1.11	0.00	0.01	14.05	3.16	0.66	3.48
11.50	1.14	0.00	0.03	14.10	3.16	0.67	3.37
11.55	1.18	0.01	0.06	14.15	3.17	0.67	3.26
11.60	1.22	0.01	0.09	14.20	3.18	0.68	3.16
11.65	1.26	0.01	0.15	14.25	3.19	0.68	3.09
11.70	1.30	0.02	0.22	14.30	3.20	0.68	3.01
11.75	1.35	0.03	0.33	14.35	3.20	0.69	2.95
11.80	1.41	0.03	0.46	14.40	3.21	0.69	2.88
11.85	1.49	0.05	0.64	14.45	3.22	0.70	2.83
11.90	1.57	0.06	0.87	14.50	3.23	0.70	2.77
11.95	1.70	0.09	1.17	14.55	3.23	0.70	2.72
12.00	1.83	0.13	1.59	14.60	3.24	0.71	2.67
12.05	2.06	0.19	2.16	14.65	3.25	0.71	2.62
12.10	2.28	0.27	3.01	14.70	3.25	0.71	2.58
12.15	2.36	0.30	4.20	14.75	3.26	0.72	2.53
12.20	2.44	0.33	5.82	14.80	3.26	0.72	2.49
12.25	2.50	0.35	7.83	14.85	3.27	0.72	2.44
12.30	2.55	0.38	10.11	14.90	3.28	0.73	2.40
12.35	2.59	0.40	12.43	14.95	3.28	0.73	2.35
12.40	2.63	0.41	14.54	15.00	3.29	0.73	2.31
12.45	2.67	0.43	16.15	15.05	3.29	0.74	2.27
12.50	2.71	0.45	17.22	15.10	3.30	0.74	2.23
12.55	2.74	0.46	17.69	15.15	3.30	0.74	2.18
12.60	2.76	0.47	**17.71**	15.20	3.31	0.75	2.14
12.65	2.79	0.48	17.26	15.25	3.31	0.75	2.10
12.70	2.81	0.49	16.51	15.30	3.32	0.75	2.05
12.75	2.83	0.50	15.55	15.35	3.32	0.75	2.01
12.80	2.85	0.51	14.48	15.40	3.33	0.76	1.97
12.85	2.87	0.52	13.46	15.45	3.34	0.76	1.94
12.90	2.89	0.53	12.50	15.50	3.34	0.76	1.90
12.95	2.91	0.54	11.61	15.55	3.35	0.76	1.87

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.77	1.85	18.20	3.56	0.88	1.18
15.65	3.36	0.77	1.82	18.25	3.56	0.88	1.17
15.70	3.36	0.77	1.80	18.30	3.56	0.89	1.15
15.75	3.36	0.78	1.78	18.35	3.57	0.89	1.14
15.80	3.37	0.78	1.76	18.40	3.57	0.89	1.13
15.85	3.37	0.78	1.74	18.45	3.57	0.89	1.12
15.90	3.38	0.78	1.73	18.50	3.58	0.89	1.11
15.95	3.38	0.79	1.71	18.55	3.58	0.89	1.10
16.00	3.39	0.79	1.70	18.60	3.58	0.90	1.10
16.05	3.39	0.79	1.69	18.65	3.58	0.90	1.09
16.10	3.40	0.79	1.67	18.70	3.59	0.90	1.08
16.15	3.40	0.80	1.66	18.75	3.59	0.90	1.08
16.20	3.41	0.80	1.65	18.80	3.59	0.90	1.07
16.25	3.41	0.80	1.64	18.85	3.60	0.90	1.07
16.30	3.42	0.80	1.62	18.90	3.60	0.91	1.06
16.35	3.42	0.81	1.61	18.95	3.60	0.91	1.06
16.40	3.42	0.81	1.60	19.00	3.61	0.91	1.06
16.45	3.43	0.81	1.59	19.05	3.61	0.91	1.05
16.50	3.43	0.81	1.58	19.10	3.61	0.91	1.05
16.55	3.44	0.82	1.57	19.15	3.61	0.91	1.05
16.60	3.44	0.82	1.55	19.20	3.62	0.92	1.04
16.65	3.45	0.82	1.54	19.25	3.62	0.92	1.04
16.70	3.45	0.82	1.53	19.30	3.62	0.92	1.04
16.75	3.45	0.82	1.52	19.35	3.63	0.92	1.03
16.80	3.46	0.83	1.51	19.40	3.63	0.92	1.03
16.85	3.46	0.83	1.50	19.45	3.63	0.92	1.03
16.90	3.47	0.83	1.49	19.50	3.63	0.93	1.02
16.95	3.47	0.83	1.47	19.55	3.64	0.93	1.02
17.00	3.47	0.84	1.46	19.60	3.64	0.93	1.02
17.05	3.48	0.84	1.45	19.65	3.64	0.93	1.02
17.10	3.48	0.84	1.44	19.70	3.65	0.93	1.01
17.15	3.49	0.84	1.43	19.75	3.65	0.93	1.01
17.20	3.49	0.84	1.42	19.80	3.65	0.94	1.01
17.25	3.49	0.85	1.41	19.85	3.65	0.94	1.00
17.30	3.50	0.85	1.39	19.90	3.66	0.94	1.00
17.35	3.50	0.85	1.38	19.95	3.66	0.94	1.00
17.40	3.50	0.85	1.37	20.00	3.66	0.94	1.00
17.45	3.51	0.85	1.36	20.05	3.66	0.94	0.99
17.50	3.51	0.86	1.35	20.10	3.67	0.95	0.99
17.55	3.52	0.86	1.33	20.15	3.67	0.95	0.99
17.60	3.52	0.86	1.32	20.20	3.67	0.95	0.99
17.65	3.52	0.86	1.31	20.25	3.68	0.95	0.98
17.70	3.53	0.86	1.30	20.30	3.68	0.95	0.98
17.75	3.53	0.87	1.29	20.35	3.68	0.95	0.98
17.80	3.53	0.87	1.27	20.40	3.68	0.95	0.97
17.85	3.54	0.87	1.26	20.45	3.69	0.96	0.97
17.90	3.54	0.87	1.25	20.50	3.69	0.96	0.97
17.95	3.54	0.87	1.24	20.55	3.69	0.96	0.96
18.00	3.54	0.88	1.23	20.60	3.69	0.96	0.96
18.05	3.55	0.88	1.21	20.65	3.70	0.96	0.96
18.10	3.55	0.88	1.20	20.70	3.70	0.96	0.96
18.15	3.55	0.88	1.19	20.75	3.70	0.97	0.95

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.97	0.95	23.40	3.82	1.04	0.79
20.85	3.71	0.97	0.95	23.45	3.83	1.04	0.79
20.90	3.71	0.97	0.95	23.50	3.83	1.04	0.79
20.95	3.71	0.97	0.94	23.55	3.83	1.04	0.78
21.00	3.71	0.97	0.94	23.60	3.83	1.04	0.78
21.05	3.72	0.97	0.94	23.65	3.84	1.04	0.78
21.10	3.72	0.98	0.93	23.70	3.84	1.05	0.77
21.15	3.72	0.98	0.93	23.75	3.84	1.05	0.77
21.20	3.72	0.98	0.93	23.80	3.84	1.05	0.77
21.25	3.73	0.98	0.92	23.85	3.84	1.05	0.76
21.30	3.73	0.98	0.92	23.90	3.85	1.05	0.76
21.35	3.73	0.98	0.92	23.95	3.85	1.05	0.76
21.40	3.73	0.98	0.91	24.00	**3.85**	**1.05**	0.75
21.45	3.74	0.99	0.91	24.05	3.85	1.05	0.75
21.50	3.74	0.99	0.91	24.10	3.85	1.05	0.75
21.55	3.74	0.99	0.91	24.15	3.85	1.05	0.74
21.60	3.74	0.99	0.90	24.20	3.85	1.05	0.73
21.65	3.75	0.99	0.90	24.25	3.85	1.05	0.71
21.70	3.75	0.99	0.90	24.30	3.85	1.05	0.68
21.75	3.75	0.99	0.89	24.35	3.85	1.05	0.63
21.80	3.75	1.00	0.89	24.40	3.85	1.05	0.57
21.85	3.76	1.00	0.89	24.45	3.85	1.05	0.50
21.90	3.76	1.00	0.89	24.50	3.85	1.05	0.43
21.95	3.76	1.00	0.88	24.55	3.85	1.05	0.37
22.00	3.76	1.00	0.88	24.60	3.85	1.05	0.31
22.05	3.77	1.00	0.88	24.65	3.85	1.05	0.25
22.10	3.77	1.00	0.87	24.70	3.85	1.05	0.20
22.15	3.77	1.01	0.87	24.75	3.85	1.05	0.17
22.20	3.77	1.01	0.87	24.80	3.85	1.05	0.14
22.25	3.77	1.01	0.86	24.85	3.85	1.05	0.11
22.30	3.78	1.01	0.86	24.90	3.85	1.05	0.09
22.35	3.78	1.01	0.86	24.95	3.85	1.05	0.08
22.40	3.78	1.01	0.86	25.00	3.85	1.05	0.06
22.45	3.78	1.01	0.85	25.05	3.85	1.05	0.05
22.50	3.79	1.02	0.85	25.10	3.85	1.05	0.04
22.55	3.79	1.02	0.85	25.15	3.85	1.05	0.03
22.60	3.79	1.02	0.84	25.20	3.85	1.05	0.03
22.65	3.79	1.02	0.84	25.25	3.85	1.05	0.02
22.70	3.79	1.02	0.84	25.30	3.85	1.05	0.02
22.75	3.80	1.02	0.83	25.35	3.85	1.05	0.02
22.80	3.80	1.02	0.83	25.40	3.85	1.05	0.01
22.85	3.80	1.02	0.83	25.45	3.85	1.05	0.01
22.90	3.80	1.03	0.82	25.50	3.85	1.05	0.01
22.95	3.81	1.03	0.82	25.55	3.85	1.05	0.01
23.00	3.81	1.03	0.82	25.60	3.85	1.05	0.01
23.05	3.81	1.03	0.81	25.65	3.85	1.05	0.00
23.10	3.81	1.03	0.81	25.70	3.85	1.05	0.00
23.15	3.81	1.03	0.81	25.75	3.85	1.05	0.00
23.20	3.82	1.03	0.80	25.80	3.85	1.05	0.00
23.25	3.82	1.03	0.80	25.85	3.85	1.05	0.00
23.30	3.82	1.04	0.80	25.90	3.85	1.05	0.00
23.35	3.82	1.04	0.80	25.95	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.05	0.00	28.60	3.85	1.05	0.00
26.05	3.85	1.05	0.00	28.65	3.85	1.05	0.00
26.10	3.85	1.05	0.00	28.70	3.85	1.05	0.00
26.15	3.85	1.05	0.00	28.75	3.85	1.05	0.00
26.20	3.85	1.05	0.00	28.80	3.85	1.05	0.00
26.25	3.85	1.05	0.00	28.85	3.85	1.05	0.00
26.30	3.85	1.05	0.00	28.90	3.85	1.05	0.00
26.35	3.85	1.05	0.00	28.95	3.85	1.05	0.00
26.40	3.85	1.05	0.00	29.00	3.85	1.05	0.00
26.45	3.85	1.05	0.00	29.05	3.85	1.05	0.00
26.50	3.85	1.05	0.00	29.10	3.85	1.05	0.00
26.55	3.85	1.05	0.00	29.15	3.85	1.05	0.00
26.60	3.85	1.05	0.00	29.20	3.85	1.05	0.00
26.65	3.85	1.05	0.00	29.25	3.85	1.05	0.00
26.70	3.85	1.05	0.00	29.30	3.85	1.05	0.00
26.75	3.85	1.05	0.00	29.35	3.85	1.05	0.00
26.80	3.85	1.05	0.00	29.40	3.85	1.05	0.00
26.85	3.85	1.05	0.00	29.45	3.85	1.05	0.00
26.90	3.85	1.05	0.00	29.50	3.85	1.05	0.00
26.95	3.85	1.05	0.00	29.55	3.85	1.05	0.00
27.00	3.85	1.05	0.00	29.60	3.85	1.05	0.00
27.05	3.85	1.05	0.00	29.65	3.85	1.05	0.00
27.10	3.85	1.05	0.00	29.70	3.85	1.05	0.00
27.15	3.85	1.05	0.00	29.75	3.85	1.05	0.00
27.20	3.85	1.05	0.00	29.80	3.85	1.05	0.00
27.25	3.85	1.05	0.00	29.85	3.85	1.05	0.00
27.30	3.85	1.05	0.00	29.90	3.85	1.05	0.00
27.35	3.85	1.05	0.00	29.95	3.85	1.05	0.00
27.40	3.85	1.05	0.00	30.00	3.85	1.05	0.00
27.45	3.85	1.05	0.00	30.05	3.85	1.05	0.00
27.50	3.85	1.05	0.00	30.10	3.85	1.05	0.00
27.55	3.85	1.05	0.00	30.15	3.85	1.05	0.00
27.60	3.85	1.05	0.00	30.20	3.85	1.05	0.00
27.65	3.85	1.05	0.00	30.25	3.85	1.05	0.00
27.70	3.85	1.05	0.00	30.30	3.85	1.05	0.00
27.75	3.85	1.05	0.00	30.35	3.85	1.05	0.00
27.80	3.85	1.05	0.00	30.40	3.85	1.05	0.00
27.85	3.85	1.05	0.00	30.45	3.85	1.05	0.00
27.90	3.85	1.05	0.00	30.50	3.85	1.05	0.00
27.95	3.85	1.05	0.00	30.55	3.85	1.05	0.00
28.00	3.85	1.05	0.00	30.60	3.85	1.05	0.00
28.05	3.85	1.05	0.00	30.65	3.85	1.05	0.00
28.10	3.85	1.05	0.00	30.70	3.85	1.05	0.00
28.15	3.85	1.05	0.00	30.75	3.85	1.05	0.00
28.20	3.85	1.05	0.00	30.80	3.85	1.05	0.00
28.25	3.85	1.05	0.00	30.85	3.85	1.05	0.00
28.30	3.85	1.05	0.00	30.90	3.85	1.05	0.00
28.35	3.85	1.05	0.00	30.95	3.85	1.05	0.00
28.40	3.85	1.05	0.00	31.00	3.85	1.05	0.00
28.45	3.85	1.05	0.00	31.05	3.85	1.05	0.00
28.50	3.85	1.05	0.00	31.10	3.85	1.05	0.00
28.55	3.85	1.05	0.00	31.15	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.05	0.00	33.80	3.85	1.05	0.00
31.25	3.85	1.05	0.00	33.85	3.85	1.05	0.00
31.30	3.85	1.05	0.00	33.90	3.85	1.05	0.00
31.35	3.85	1.05	0.00	33.95	3.85	1.05	0.00
31.40	3.85	1.05	0.00	34.00	3.85	1.05	0.00
31.45	3.85	1.05	0.00	34.05	3.85	1.05	0.00
31.50	3.85	1.05	0.00	34.10	3.85	1.05	0.00
31.55	3.85	1.05	0.00	34.15	3.85	1.05	0.00
31.60	3.85	1.05	0.00	34.20	3.85	1.05	0.00
31.65	3.85	1.05	0.00	34.25	3.85	1.05	0.00
31.70	3.85	1.05	0.00	34.30	3.85	1.05	0.00
31.75	3.85	1.05	0.00	34.35	3.85	1.05	0.00
31.80	3.85	1.05	0.00	34.40	3.85	1.05	0.00
31.85	3.85	1.05	0.00	34.45	3.85	1.05	0.00
31.90	3.85	1.05	0.00	34.50	3.85	1.05	0.00
31.95	3.85	1.05	0.00	34.55	3.85	1.05	0.00
32.00	3.85	1.05	0.00	34.60	3.85	1.05	0.00
32.05	3.85	1.05	0.00	34.65	3.85	1.05	0.00
32.10	3.85	1.05	0.00	34.70	3.85	1.05	0.00
32.15	3.85	1.05	0.00	34.75	3.85	1.05	0.00
32.20	3.85	1.05	0.00	34.80	3.85	1.05	0.00
32.25	3.85	1.05	0.00	34.85	3.85	1.05	0.00
32.30	3.85	1.05	0.00	34.90	3.85	1.05	0.00
32.35	3.85	1.05	0.00	34.95	3.85	1.05	0.00
32.40	3.85	1.05	0.00	35.00	3.85	1.05	0.00
32.45	3.85	1.05	0.00	35.05	3.85	1.05	0.00
32.50	3.85	1.05	0.00	35.10	3.85	1.05	0.00
32.55	3.85	1.05	0.00	35.15	3.85	1.05	0.00
32.60	3.85	1.05	0.00	35.20	3.85	1.05	0.00
32.65	3.85	1.05	0.00	35.25	3.85	1.05	0.00
32.70	3.85	1.05	0.00	35.30	3.85	1.05	0.00
32.75	3.85	1.05	0.00	35.35	3.85	1.05	0.00
32.80	3.85	1.05	0.00	35.40	3.85	1.05	0.00
32.85	3.85	1.05	0.00	35.45	3.85	1.05	0.00
32.90	3.85	1.05	0.00	35.50	3.85	1.05	0.00
32.95	3.85	1.05	0.00	35.55	3.85	1.05	0.00
33.00	3.85	1.05	0.00	35.60	3.85	1.05	0.00
33.05	3.85	1.05	0.00	35.65	3.85	1.05	0.00
33.10	3.85	1.05	0.00	35.70	3.85	1.05	0.00
33.15	3.85	1.05	0.00	35.75	3.85	1.05	0.00
33.20	3.85	1.05	0.00	35.80	3.85	1.05	0.00
33.25	3.85	1.05	0.00	35.85	3.85	1.05	0.00
33.30	3.85	1.05	0.00	35.90	3.85	1.05	0.00
33.35	3.85	1.05	0.00	35.95	3.85	1.05	0.00
33.40	3.85	1.05	0.00	36.00	3.85	1.05	0.00
33.45	3.85	1.05	0.00	36.05	3.85	1.05	0.00
33.50	3.85	1.05	0.00	36.10	3.85	1.05	0.00
33.55	3.85	1.05	0.00	36.15	3.85	1.05	0.00
33.60	3.85	1.05	0.00	36.20	3.85	1.05	0.00
33.65	3.85	1.05	0.00	36.25	3.85	1.05	0.00
33.70	3.85	1.05	0.00	36.30	3.85	1.05	0.00
33.75	3.85	1.05	0.00	36.35	3.85	1.05	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.05	0.00
36.45	3.85	1.05	0.00
36.50	3.85	1.05	0.00
36.55	3.85	1.05	0.00
36.60	3.85	1.05	0.00
36.65	3.85	1.05	0.00
36.70	3.85	1.05	0.00
36.75	3.85	1.05	0.00
36.80	3.85	1.05	0.00
36.85	3.85	1.05	0.00
36.90	3.85	1.05	0.00
36.95	3.85	1.05	0.00
37.00	3.85	1.05	0.00
37.05	3.85	1.05	0.00
37.10	3.85	1.05	0.00
37.15	3.85	1.05	0.00
37.20	3.85	1.05	0.00
37.25	3.85	1.05	0.00
37.30	3.85	1.05	0.00
37.35	3.85	1.05	0.00
37.40	3.85	1.05	0.00
37.45	3.85	1.05	0.00
37.50	3.85	1.05	0.00
37.55	3.85	1.05	0.00
37.60	3.85	1.05	0.00
37.65	3.85	1.05	0.00
37.70	3.85	1.05	0.00
37.75	3.85	1.05	0.00
37.80	3.85	1.05	0.00
37.85	3.85	1.05	0.00
37.90	3.85	1.05	0.00
37.95	3.85	1.05	0.00
38.00	3.85	1.05	0.00
38.05	3.85	1.05	0.00
38.10	3.85	1.05	0.00
38.15	3.85	1.05	0.00
38.20	3.85	1.05	0.00
38.25	3.85	1.05	0.00
38.30	3.85	1.05	0.00
38.35	3.85	1.05	0.00
38.40	3.85	1.05	0.00
38.45	3.85	1.05	0.00
38.50	3.85	1.05	0.00
38.55	3.85	1.05	0.00
38.60	3.85	1.05	0.00
38.65	3.85	1.05	0.00
38.70	3.85	1.05	0.00
38.75	3.85	1.05	0.00
38.80	3.85	1.05	0.00
38.85	3.85	1.05	0.00
38.90	3.85	1.05	0.00
38.95	3.85	1.05	0.00
39.00	3.85	1.05	0.00
39.05	3.85	1.05	0.00
39.10	3.85	1.05	0.00
39.15	3.85	1.05	0.00
39.20	3.85	1.05	0.00
39.25	3.85	1.05	0.00
39.30	3.85	1.05	0.00
39.35	3.85	1.05	0.00
39.40	3.85	1.05	0.00
39.45	3.85	1.05	0.00
39.50	3.85	1.05	0.00
39.55	3.85	1.05	0.00
39.60	3.85	1.05	0.00
39.65	3.85	1.05	0.00
39.70	3.85	1.05	0.00
39.75	3.85	1.05	0.00
39.80	3.85	1.05	0.00
39.85	3.85	1.05	0.00
39.90	3.85	1.05	0.00
39.95	3.85	1.05	0.00
40.00	3.85	1.05	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

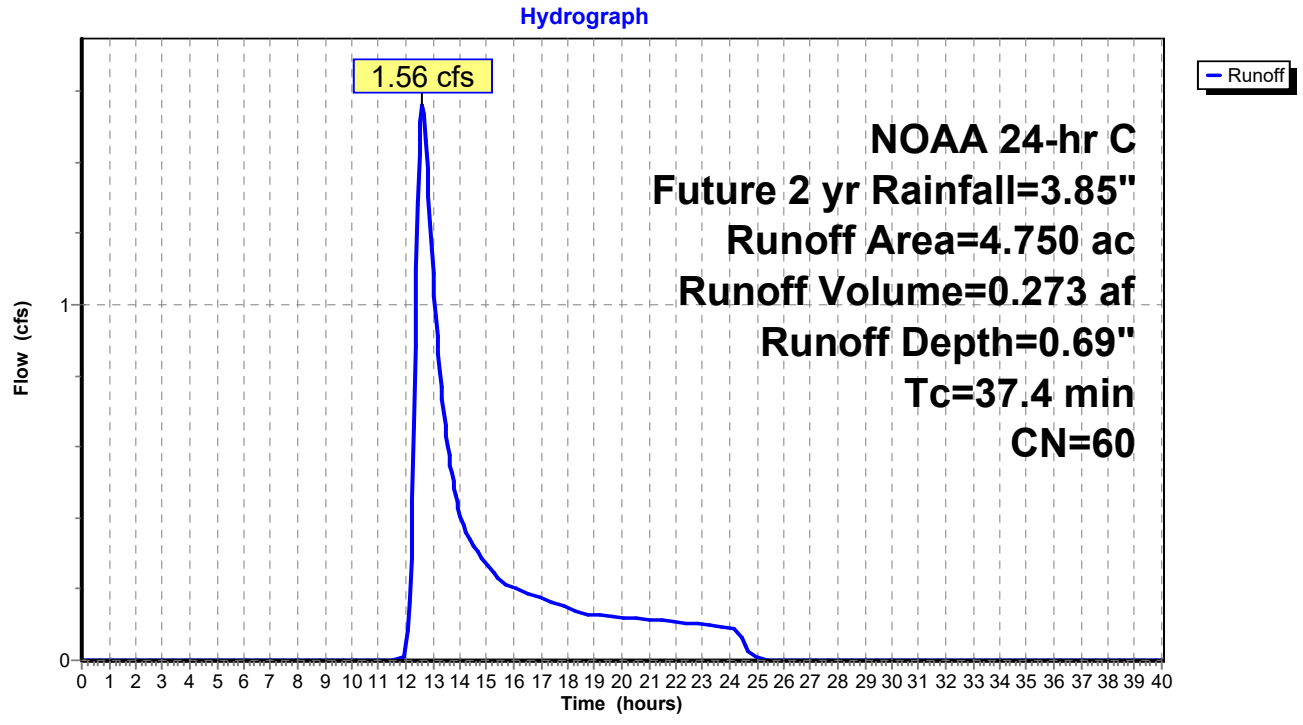
Runoff = 1.56 cfs @ 12.62 hrs, Volume= 0.273 af, Depth= 0.69"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.31	1.09
10.45	0.78	0.00	0.00	13.05	2.94	0.31	1.03
10.50	0.79	0.00	0.00	13.10	2.96	0.32	0.97
10.55	0.80	0.00	0.00	13.15	2.97	0.32	0.91
10.60	0.82	0.00	0.00	13.20	2.98	0.33	0.86
10.65	0.83	0.00	0.00	13.25	3.00	0.33	0.81
10.70	0.84	0.00	0.00	13.30	3.01	0.34	0.77
10.75	0.85	0.00	0.00	13.35	3.02	0.34	0.73
10.80	0.87	0.00	0.00	13.40	3.03	0.35	0.70
10.85	0.88	0.00	0.00	13.45	3.05	0.35	0.66
10.90	0.89	0.00	0.00	13.50	3.06	0.35	0.63
10.95	0.91	0.00	0.00	13.55	3.07	0.36	0.60
11.00	0.92	0.00	0.00	13.60	3.08	0.36	0.58
11.05	0.94	0.00	0.00	13.65	3.09	0.36	0.55
11.10	0.96	0.00	0.00	13.70	3.09	0.37	0.53
11.15	0.98	0.00	0.00	13.75	3.10	0.37	0.50
11.20	1.00	0.00	0.00	13.80	3.11	0.38	0.48
11.25	1.02	0.00	0.00	13.85	3.12	0.38	0.46
11.30	1.04	0.00	0.00	13.90	3.13	0.38	0.44
11.35	1.06	0.00	0.00	13.95	3.14	0.39	0.43
11.40	1.09	0.00	0.00	14.00	3.15	0.39	0.41
11.45	1.11	0.00	0.00	14.05	3.16	0.39	0.40
11.50	1.14	0.00	0.00	14.10	3.16	0.39	0.39
11.55	1.18	0.00	0.00	14.15	3.17	0.40	0.37
11.60	1.22	0.00	0.00	14.20	3.18	0.40	0.36
11.65	1.26	0.00	0.00	14.25	3.19	0.40	0.35
11.70	1.30	0.00	0.00	14.30	3.20	0.41	0.35
11.75	1.35	0.00	0.00	14.35	3.20	0.41	0.34
11.80	1.41	0.00	0.00	14.40	3.21	0.41	0.33
11.85	1.49	0.00	0.00	14.45	3.22	0.42	0.33
11.90	1.57	0.01	0.00	14.50	3.23	0.42	0.32
11.95	1.70	0.02	0.01	14.55	3.23	0.42	0.32
12.00	1.83	0.04	0.02	14.60	3.24	0.42	0.31
12.05	2.06	0.07	0.04	14.65	3.25	0.43	0.31
12.10	2.28	0.12	0.08	14.70	3.25	0.43	0.30
12.15	2.36	0.14	0.16	14.75	3.26	0.43	0.30
12.20	2.44	0.16	0.28	14.80	3.26	0.43	0.29
12.25	2.50	0.17	0.45	14.85	3.27	0.44	0.29
12.30	2.55	0.19	0.66	14.90	3.28	0.44	0.28
12.35	2.59	0.20	0.88	14.95	3.28	0.44	0.28
12.40	2.63	0.21	1.10	15.00	3.29	0.44	0.27
12.45	2.67	0.22	1.28	15.05	3.29	0.45	0.27
12.50	2.71	0.24	1.42	15.10	3.30	0.45	0.26
12.55	2.74	0.24	1.51	15.15	3.30	0.45	0.26
12.60	2.76	0.25	**1.56**	15.20	3.31	0.45	0.25
12.65	2.79	0.26	1.56	15.25	3.31	0.45	0.25
12.70	2.81	0.27	1.52	15.30	3.32	0.46	0.24
12.75	2.83	0.27	1.46	15.35	3.32	0.46	0.24
12.80	2.85	0.28	1.39	15.40	3.33	0.46	0.23
12.85	2.87	0.29	1.31	15.45	3.34	0.46	0.23
12.90	2.89	0.30	1.23	15.50	3.34	0.46	0.22
12.95	2.91	0.30	1.16	15.55	3.35	0.47	0.22

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.47	0.22	18.20	3.56	0.56	0.14
15.65	3.36	0.47	0.22	18.25	3.56	0.56	0.14
15.70	3.36	0.47	0.21	18.30	3.56	0.56	0.14
15.75	3.36	0.47	0.21	18.35	3.57	0.56	0.14
15.80	3.37	0.48	0.21	18.40	3.57	0.56	0.14
15.85	3.37	0.48	0.21	18.45	3.57	0.56	0.14
15.90	3.38	0.48	0.20	18.50	3.58	0.56	0.13
15.95	3.38	0.48	0.20	18.55	3.58	0.57	0.13
16.00	3.39	0.48	0.20	18.60	3.58	0.57	0.13
16.05	3.39	0.49	0.20	18.65	3.58	0.57	0.13
16.10	3.40	0.49	0.20	18.70	3.59	0.57	0.13
16.15	3.40	0.49	0.20	18.75	3.59	0.57	0.13
16.20	3.41	0.49	0.20	18.80	3.59	0.57	0.13
16.25	3.41	0.49	0.19	18.85	3.60	0.57	0.13
16.30	3.42	0.50	0.19	18.90	3.60	0.57	0.13
16.35	3.42	0.50	0.19	18.95	3.60	0.58	0.13
16.40	3.42	0.50	0.19	19.00	3.61	0.58	0.13
16.45	3.43	0.50	0.19	19.05	3.61	0.58	0.13
16.50	3.43	0.50	0.19	19.10	3.61	0.58	0.13
16.55	3.44	0.50	0.19	19.15	3.61	0.58	0.13
16.60	3.44	0.51	0.19	19.20	3.62	0.58	0.13
16.65	3.45	0.51	0.18	19.25	3.62	0.58	0.13
16.70	3.45	0.51	0.18	19.30	3.62	0.59	0.13
16.75	3.45	0.51	0.18	19.35	3.63	0.59	0.13
16.80	3.46	0.51	0.18	19.40	3.63	0.59	0.13
16.85	3.46	0.52	0.18	19.45	3.63	0.59	0.12
16.90	3.47	0.52	0.18	19.50	3.63	0.59	0.12
16.95	3.47	0.52	0.18	19.55	3.64	0.59	0.12
17.00	3.47	0.52	0.18	19.60	3.64	0.59	0.12
17.05	3.48	0.52	0.17	19.65	3.64	0.59	0.12
17.10	3.48	0.52	0.17	19.70	3.65	0.60	0.12
17.15	3.49	0.53	0.17	19.75	3.65	0.60	0.12
17.20	3.49	0.53	0.17	19.80	3.65	0.60	0.12
17.25	3.49	0.53	0.17	19.85	3.65	0.60	0.12
17.30	3.50	0.53	0.17	19.90	3.66	0.60	0.12
17.35	3.50	0.53	0.17	19.95	3.66	0.60	0.12
17.40	3.50	0.53	0.16	20.00	3.66	0.60	0.12
17.45	3.51	0.53	0.16	20.05	3.66	0.60	0.12
17.50	3.51	0.54	0.16	20.10	3.67	0.61	0.12
17.55	3.52	0.54	0.16	20.15	3.67	0.61	0.12
17.60	3.52	0.54	0.16	20.20	3.67	0.61	0.12
17.65	3.52	0.54	0.16	20.25	3.68	0.61	0.12
17.70	3.53	0.54	0.16	20.30	3.68	0.61	0.12
17.75	3.53	0.54	0.15	20.35	3.68	0.61	0.12
17.80	3.53	0.55	0.15	20.40	3.68	0.61	0.12
17.85	3.54	0.55	0.15	20.45	3.69	0.61	0.12
17.90	3.54	0.55	0.15	20.50	3.69	0.61	0.12
17.95	3.54	0.55	0.15	20.55	3.69	0.62	0.12
18.00	3.54	0.55	0.15	20.60	3.69	0.62	0.12
18.05	3.55	0.55	0.15	20.65	3.70	0.62	0.12
18.10	3.55	0.55	0.14	20.70	3.70	0.62	0.12
18.15	3.55	0.55	0.14	20.75	3.70	0.62	0.12

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.62	0.12	23.40	3.82	0.68	0.10
20.85	3.71	0.62	0.12	23.45	3.83	0.68	0.10
20.90	3.71	0.62	0.12	23.50	3.83	0.68	0.10
20.95	3.71	0.63	0.12	23.55	3.83	0.68	0.10
21.00	3.71	0.63	0.11	23.60	3.83	0.68	0.10
21.05	3.72	0.63	0.11	23.65	3.84	0.68	0.10
21.10	3.72	0.63	0.11	23.70	3.84	0.68	0.10
21.15	3.72	0.63	0.11	23.75	3.84	0.68	0.10
21.20	3.72	0.63	0.11	23.80	3.84	0.69	0.09
21.25	3.73	0.63	0.11	23.85	3.84	0.69	0.09
21.30	3.73	0.63	0.11	23.90	3.85	0.69	0.09
21.35	3.73	0.63	0.11	23.95	3.85	0.69	0.09
21.40	3.73	0.64	0.11	24.00	**3.85**	**0.69**	0.09
21.45	3.74	0.64	0.11	24.05	3.85	0.69	0.09
21.50	3.74	0.64	0.11	24.10	3.85	0.69	0.09
21.55	3.74	0.64	0.11	24.15	3.85	0.69	0.09
21.60	3.74	0.64	0.11	24.20	3.85	0.69	0.09
21.65	3.75	0.64	0.11	24.25	3.85	0.69	0.09
21.70	3.75	0.64	0.11	24.30	3.85	0.69	0.08
21.75	3.75	0.64	0.11	24.35	3.85	0.69	0.08
21.80	3.75	0.64	0.11	24.40	3.85	0.69	0.07
21.85	3.76	0.65	0.11	24.45	3.85	0.69	0.06
21.90	3.76	0.65	0.11	24.50	3.85	0.69	0.05
21.95	3.76	0.65	0.11	24.55	3.85	0.69	0.05
22.00	3.76	0.65	0.11	24.60	3.85	0.69	0.04
22.05	3.77	0.65	0.11	24.65	3.85	0.69	0.03
22.10	3.77	0.65	0.11	24.70	3.85	0.69	0.03
22.15	3.77	0.65	0.11	24.75	3.85	0.69	0.02
22.20	3.77	0.65	0.11	24.80	3.85	0.69	0.02
22.25	3.77	0.65	0.11	24.85	3.85	0.69	0.01
22.30	3.78	0.66	0.11	24.90	3.85	0.69	0.01
22.35	3.78	0.66	0.11	24.95	3.85	0.69	0.01
22.40	3.78	0.66	0.11	25.00	3.85	0.69	0.01
22.45	3.78	0.66	0.10	25.05	3.85	0.69	0.01
22.50	3.79	0.66	0.10	25.10	3.85	0.69	0.01
22.55	3.79	0.66	0.10	25.15	3.85	0.69	0.00
22.60	3.79	0.66	0.10	25.20	3.85	0.69	0.00
22.65	3.79	0.66	0.10	25.25	3.85	0.69	0.00
22.70	3.79	0.66	0.10	25.30	3.85	0.69	0.00
22.75	3.80	0.66	0.10	25.35	3.85	0.69	0.00
22.80	3.80	0.67	0.10	25.40	3.85	0.69	0.00
22.85	3.80	0.67	0.10	25.45	3.85	0.69	0.00
22.90	3.80	0.67	0.10	25.50	3.85	0.69	0.00
22.95	3.81	0.67	0.10	25.55	3.85	0.69	0.00
23.00	3.81	0.67	0.10	25.60	3.85	0.69	0.00
23.05	3.81	0.67	0.10	25.65	3.85	0.69	0.00
23.10	3.81	0.67	0.10	25.70	3.85	0.69	0.00
23.15	3.81	0.67	0.10	25.75	3.85	0.69	0.00
23.20	3.82	0.67	0.10	25.80	3.85	0.69	0.00
23.25	3.82	0.67	0.10	25.85	3.85	0.69	0.00
23.30	3.82	0.68	0.10	25.90	3.85	0.69	0.00
23.35	3.82	0.68	0.10	25.95	3.85	0.69	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.69	0.00	28.60	3.85	0.69	0.00
26.05	3.85	0.69	0.00	28.65	3.85	0.69	0.00
26.10	3.85	0.69	0.00	28.70	3.85	0.69	0.00
26.15	3.85	0.69	0.00	28.75	3.85	0.69	0.00
26.20	3.85	0.69	0.00	28.80	3.85	0.69	0.00
26.25	3.85	0.69	0.00	28.85	3.85	0.69	0.00
26.30	3.85	0.69	0.00	28.90	3.85	0.69	0.00
26.35	3.85	0.69	0.00	28.95	3.85	0.69	0.00
26.40	3.85	0.69	0.00	29.00	3.85	0.69	0.00
26.45	3.85	0.69	0.00	29.05	3.85	0.69	0.00
26.50	3.85	0.69	0.00	29.10	3.85	0.69	0.00
26.55	3.85	0.69	0.00	29.15	3.85	0.69	0.00
26.60	3.85	0.69	0.00	29.20	3.85	0.69	0.00
26.65	3.85	0.69	0.00	29.25	3.85	0.69	0.00
26.70	3.85	0.69	0.00	29.30	3.85	0.69	0.00
26.75	3.85	0.69	0.00	29.35	3.85	0.69	0.00
26.80	3.85	0.69	0.00	29.40	3.85	0.69	0.00
26.85	3.85	0.69	0.00	29.45	3.85	0.69	0.00
26.90	3.85	0.69	0.00	29.50	3.85	0.69	0.00
26.95	3.85	0.69	0.00	29.55	3.85	0.69	0.00
27.00	3.85	0.69	0.00	29.60	3.85	0.69	0.00
27.05	3.85	0.69	0.00	29.65	3.85	0.69	0.00
27.10	3.85	0.69	0.00	29.70	3.85	0.69	0.00
27.15	3.85	0.69	0.00	29.75	3.85	0.69	0.00
27.20	3.85	0.69	0.00	29.80	3.85	0.69	0.00
27.25	3.85	0.69	0.00	29.85	3.85	0.69	0.00
27.30	3.85	0.69	0.00	29.90	3.85	0.69	0.00
27.35	3.85	0.69	0.00	29.95	3.85	0.69	0.00
27.40	3.85	0.69	0.00	30.00	3.85	0.69	0.00
27.45	3.85	0.69	0.00	30.05	3.85	0.69	0.00
27.50	3.85	0.69	0.00	30.10	3.85	0.69	0.00
27.55	3.85	0.69	0.00	30.15	3.85	0.69	0.00
27.60	3.85	0.69	0.00	30.20	3.85	0.69	0.00
27.65	3.85	0.69	0.00	30.25	3.85	0.69	0.00
27.70	3.85	0.69	0.00	30.30	3.85	0.69	0.00
27.75	3.85	0.69	0.00	30.35	3.85	0.69	0.00
27.80	3.85	0.69	0.00	30.40	3.85	0.69	0.00
27.85	3.85	0.69	0.00	30.45	3.85	0.69	0.00
27.90	3.85	0.69	0.00	30.50	3.85	0.69	0.00
27.95	3.85	0.69	0.00	30.55	3.85	0.69	0.00
28.00	3.85	0.69	0.00	30.60	3.85	0.69	0.00
28.05	3.85	0.69	0.00	30.65	3.85	0.69	0.00
28.10	3.85	0.69	0.00	30.70	3.85	0.69	0.00
28.15	3.85	0.69	0.00	30.75	3.85	0.69	0.00
28.20	3.85	0.69	0.00	30.80	3.85	0.69	0.00
28.25	3.85	0.69	0.00	30.85	3.85	0.69	0.00
28.30	3.85	0.69	0.00	30.90	3.85	0.69	0.00
28.35	3.85	0.69	0.00	30.95	3.85	0.69	0.00
28.40	3.85	0.69	0.00	31.00	3.85	0.69	0.00
28.45	3.85	0.69	0.00	31.05	3.85	0.69	0.00
28.50	3.85	0.69	0.00	31.10	3.85	0.69	0.00
28.55	3.85	0.69	0.00	31.15	3.85	0.69	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.69	0.00	33.80	3.85	0.69	0.00
31.25	3.85	0.69	0.00	33.85	3.85	0.69	0.00
31.30	3.85	0.69	0.00	33.90	3.85	0.69	0.00
31.35	3.85	0.69	0.00	33.95	3.85	0.69	0.00
31.40	3.85	0.69	0.00	34.00	3.85	0.69	0.00
31.45	3.85	0.69	0.00	34.05	3.85	0.69	0.00
31.50	3.85	0.69	0.00	34.10	3.85	0.69	0.00
31.55	3.85	0.69	0.00	34.15	3.85	0.69	0.00
31.60	3.85	0.69	0.00	34.20	3.85	0.69	0.00
31.65	3.85	0.69	0.00	34.25	3.85	0.69	0.00
31.70	3.85	0.69	0.00	34.30	3.85	0.69	0.00
31.75	3.85	0.69	0.00	34.35	3.85	0.69	0.00
31.80	3.85	0.69	0.00	34.40	3.85	0.69	0.00
31.85	3.85	0.69	0.00	34.45	3.85	0.69	0.00
31.90	3.85	0.69	0.00	34.50	3.85	0.69	0.00
31.95	3.85	0.69	0.00	34.55	3.85	0.69	0.00
32.00	3.85	0.69	0.00	34.60	3.85	0.69	0.00
32.05	3.85	0.69	0.00	34.65	3.85	0.69	0.00
32.10	3.85	0.69	0.00	34.70	3.85	0.69	0.00
32.15	3.85	0.69	0.00	34.75	3.85	0.69	0.00
32.20	3.85	0.69	0.00	34.80	3.85	0.69	0.00
32.25	3.85	0.69	0.00	34.85	3.85	0.69	0.00
32.30	3.85	0.69	0.00	34.90	3.85	0.69	0.00
32.35	3.85	0.69	0.00	34.95	3.85	0.69	0.00
32.40	3.85	0.69	0.00	35.00	3.85	0.69	0.00
32.45	3.85	0.69	0.00	35.05	3.85	0.69	0.00
32.50	3.85	0.69	0.00	35.10	3.85	0.69	0.00
32.55	3.85	0.69	0.00	35.15	3.85	0.69	0.00
32.60	3.85	0.69	0.00	35.20	3.85	0.69	0.00
32.65	3.85	0.69	0.00	35.25	3.85	0.69	0.00
32.70	3.85	0.69	0.00	35.30	3.85	0.69	0.00
32.75	3.85	0.69	0.00	35.35	3.85	0.69	0.00
32.80	3.85	0.69	0.00	35.40	3.85	0.69	0.00
32.85	3.85	0.69	0.00	35.45	3.85	0.69	0.00
32.90	3.85	0.69	0.00	35.50	3.85	0.69	0.00
32.95	3.85	0.69	0.00	35.55	3.85	0.69	0.00
33.00	3.85	0.69	0.00	35.60	3.85	0.69	0.00
33.05	3.85	0.69	0.00	35.65	3.85	0.69	0.00
33.10	3.85	0.69	0.00	35.70	3.85	0.69	0.00
33.15	3.85	0.69	0.00	35.75	3.85	0.69	0.00
33.20	3.85	0.69	0.00	35.80	3.85	0.69	0.00
33.25	3.85	0.69	0.00	35.85	3.85	0.69	0.00
33.30	3.85	0.69	0.00	35.90	3.85	0.69	0.00
33.35	3.85	0.69	0.00	35.95	3.85	0.69	0.00
33.40	3.85	0.69	0.00	36.00	3.85	0.69	0.00
33.45	3.85	0.69	0.00	36.05	3.85	0.69	0.00
33.50	3.85	0.69	0.00	36.10	3.85	0.69	0.00
33.55	3.85	0.69	0.00	36.15	3.85	0.69	0.00
33.60	3.85	0.69	0.00	36.20	3.85	0.69	0.00
33.65	3.85	0.69	0.00	36.25	3.85	0.69	0.00
33.70	3.85	0.69	0.00	36.30	3.85	0.69	0.00
33.75	3.85	0.69	0.00	36.35	3.85	0.69	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.69	0.00
36.45	3.85	0.69	0.00
36.50	3.85	0.69	0.00
36.55	3.85	0.69	0.00
36.60	3.85	0.69	0.00
36.65	3.85	0.69	0.00
36.70	3.85	0.69	0.00
36.75	3.85	0.69	0.00
36.80	3.85	0.69	0.00
36.85	3.85	0.69	0.00
36.90	3.85	0.69	0.00
36.95	3.85	0.69	0.00
37.00	3.85	0.69	0.00
37.05	3.85	0.69	0.00
37.10	3.85	0.69	0.00
37.15	3.85	0.69	0.00
37.20	3.85	0.69	0.00
37.25	3.85	0.69	0.00
37.30	3.85	0.69	0.00
37.35	3.85	0.69	0.00
37.40	3.85	0.69	0.00
37.45	3.85	0.69	0.00
37.50	3.85	0.69	0.00
37.55	3.85	0.69	0.00
37.60	3.85	0.69	0.00
37.65	3.85	0.69	0.00
37.70	3.85	0.69	0.00
37.75	3.85	0.69	0.00
37.80	3.85	0.69	0.00
37.85	3.85	0.69	0.00
37.90	3.85	0.69	0.00
37.95	3.85	0.69	0.00
38.00	3.85	0.69	0.00
38.05	3.85	0.69	0.00
38.10	3.85	0.69	0.00
38.15	3.85	0.69	0.00
38.20	3.85	0.69	0.00
38.25	3.85	0.69	0.00
38.30	3.85	0.69	0.00
38.35	3.85	0.69	0.00
38.40	3.85	0.69	0.00
38.45	3.85	0.69	0.00
38.50	3.85	0.69	0.00
38.55	3.85	0.69	0.00
38.60	3.85	0.69	0.00
38.65	3.85	0.69	0.00
38.70	3.85	0.69	0.00
38.75	3.85	0.69	0.00
38.80	3.85	0.69	0.00
38.85	3.85	0.69	0.00
38.90	3.85	0.69	0.00
38.95	3.85	0.69	0.00
39.00	3.85	0.69	0.00
39.05	3.85	0.69	0.00
39.10	3.85	0.69	0.00
39.15	3.85	0.69	0.00
39.20	3.85	0.69	0.00
39.25	3.85	0.69	0.00
39.30	3.85	0.69	0.00
39.35	3.85	0.69	0.00
39.40	3.85	0.69	0.00
39.45	3.85	0.69	0.00
39.50	3.85	0.69	0.00
39.55	3.85	0.69	0.00
39.60	3.85	0.69	0.00
39.65	3.85	0.69	0.00
39.70	3.85	0.69	0.00
39.75	3.85	0.69	0.00
39.80	3.85	0.69	0.00
39.85	3.85	0.69	0.00
39.90	3.85	0.69	0.00
39.95	3.85	0.69	0.00
40.00	3.85	0.69	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

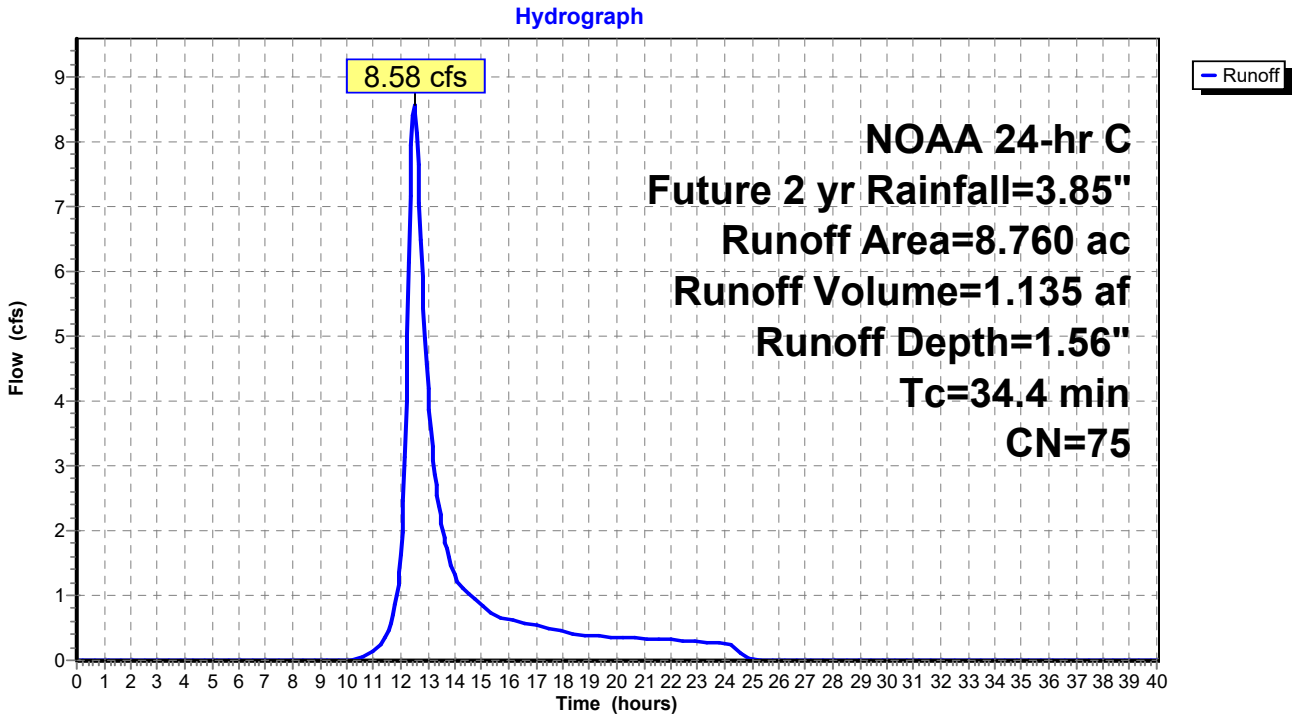
Runoff = 8.58 cfs @ 12.50 hrs, Volume= 1.135 af, Depth= 1.56"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.01
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.01
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.02

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.02	13.00	2.93	0.91	4.19
10.45	0.78	0.00	0.03	13.05	2.94	0.92	3.87
10.50	0.79	0.00	0.03	13.10	2.96	0.93	3.57
10.55	0.80	0.01	0.04	13.15	2.97	0.94	3.31
10.60	0.82	0.01	0.05	13.20	2.98	0.95	3.09
10.65	0.83	0.01	0.06	13.25	3.00	0.96	2.88
10.70	0.84	0.01	0.07	13.30	3.01	0.97	2.70
10.75	0.85	0.01	0.08	13.35	3.02	0.98	2.53
10.80	0.87	0.01	0.09	13.40	3.03	0.98	2.38
10.85	0.88	0.01	0.10	13.45	3.05	0.99	2.25
10.90	0.89	0.01	0.11	13.50	3.06	1.00	2.12
10.95	0.91	0.02	0.12	13.55	3.07	1.00	2.01
11.00	0.92	0.02	0.14	13.60	3.08	1.01	1.91
11.05	0.94	0.02	0.16	13.65	3.09	1.02	1.81
11.10	0.96	0.02	0.18	13.70	3.09	1.02	1.72
11.15	0.98	0.03	0.20	13.75	3.10	1.03	1.64
11.20	1.00	0.03	0.22	13.80	3.11	1.04	1.56
11.25	1.02	0.03	0.25	13.85	3.12	1.04	1.49
11.30	1.04	0.04	0.27	13.90	3.13	1.05	1.42
11.35	1.06	0.04	0.31	13.95	3.14	1.05	1.37
11.40	1.09	0.05	0.34	14.00	3.15	1.06	1.31
11.45	1.11	0.05	0.38	14.05	3.16	1.06	1.27
11.50	1.14	0.06	0.42	14.10	3.16	1.07	1.23
11.55	1.18	0.07	0.47	14.15	3.17	1.08	1.19
11.60	1.22	0.08	0.52	14.20	3.18	1.08	1.16
11.65	1.26	0.09	0.59	14.25	3.19	1.09	1.13
11.70	1.30	0.10	0.66	14.30	3.20	1.09	1.11
11.75	1.35	0.12	0.75	14.35	3.20	1.10	1.09
11.80	1.41	0.14	0.86	14.40	3.21	1.10	1.06
11.85	1.49	0.16	0.99	14.45	3.22	1.11	1.04
11.90	1.57	0.19	1.15	14.50	3.23	1.11	1.02
11.95	1.70	0.24	1.36	14.55	3.23	1.12	1.00
12.00	1.83	0.30	1.62	14.60	3.24	1.12	0.99
12.05	2.06	0.41	1.97	14.65	3.25	1.12	0.97
12.10	2.28	0.53	2.46	14.70	3.25	1.13	0.95
12.15	2.36	0.57	3.14	14.75	3.26	1.13	0.93
12.20	2.44	0.62	4.01	14.80	3.26	1.14	0.92
12.25	2.50	0.65	5.04	14.85	3.27	1.14	0.90
12.30	2.55	0.68	6.15	14.90	3.28	1.15	0.88
12.35	2.59	0.71	7.17	14.95	3.28	1.15	0.87
12.40	2.63	0.73	7.95	15.00	3.29	1.15	0.85
12.45	2.67	0.75	8.41	15.05	3.29	1.16	0.83
12.50	2.71	0.78	**8.58**	15.10	3.30	1.16	0.82
12.55	2.74	0.79	8.45	15.15	3.30	1.16	0.80
12.60	2.76	0.81	8.13	15.20	3.31	1.17	0.78
12.65	2.79	0.82	7.65	15.25	3.31	1.17	0.77
12.70	2.81	0.84	7.06	15.30	3.32	1.18	0.75
12.75	2.83	0.85	6.48	15.35	3.32	1.18	0.74
12.80	2.85	0.87	5.94	15.40	3.33	1.18	0.72
12.85	2.87	0.88	5.43	15.45	3.34	1.19	0.71
12.90	2.89	0.89	4.98	15.50	3.34	1.19	0.70
12.95	2.91	0.90	4.57	15.55	3.35	1.19	0.69

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.20	0.68	18.20	3.56	1.34	0.43
15.65	3.36	1.20	0.67	18.25	3.56	1.34	0.42
15.70	3.36	1.20	0.66	18.30	3.56	1.35	0.42
15.75	3.36	1.21	0.65	18.35	3.57	1.35	0.41
15.80	3.37	1.21	0.65	18.40	3.57	1.35	0.41
15.85	3.37	1.21	0.64	18.45	3.57	1.35	0.40
15.90	3.38	1.22	0.63	18.50	3.58	1.36	0.40
15.95	3.38	1.22	0.63	18.55	3.58	1.36	0.40
16.00	3.39	1.22	0.62	18.60	3.58	1.36	0.40
16.05	3.39	1.23	0.62	18.65	3.58	1.36	0.39
16.10	3.40	1.23	0.61	18.70	3.59	1.36	0.39
16.15	3.40	1.23	0.61	18.75	3.59	1.37	0.39
16.20	3.41	1.24	0.60	18.80	3.59	1.37	0.39
16.25	3.41	1.24	0.60	18.85	3.60	1.37	0.39
16.30	3.42	1.24	0.60	18.90	3.60	1.37	0.38
16.35	3.42	1.25	0.59	18.95	3.60	1.37	0.38
16.40	3.42	1.25	0.59	19.00	3.61	1.38	0.38
16.45	3.43	1.25	0.58	19.05	3.61	1.38	0.38
16.50	3.43	1.25	0.58	19.10	3.61	1.38	0.38
16.55	3.44	1.26	0.57	19.15	3.61	1.38	0.38
16.60	3.44	1.26	0.57	19.20	3.62	1.39	0.38
16.65	3.45	1.26	0.56	19.25	3.62	1.39	0.38
16.70	3.45	1.27	0.56	19.30	3.62	1.39	0.38
16.75	3.45	1.27	0.56	19.35	3.63	1.39	0.37
16.80	3.46	1.27	0.55	19.40	3.63	1.39	0.37
16.85	3.46	1.28	0.55	19.45	3.63	1.40	0.37
16.90	3.47	1.28	0.54	19.50	3.63	1.40	0.37
16.95	3.47	1.28	0.54	19.55	3.64	1.40	0.37
17.00	3.47	1.28	0.53	19.60	3.64	1.40	0.37
17.05	3.48	1.29	0.53	19.65	3.64	1.40	0.37
17.10	3.48	1.29	0.52	19.70	3.65	1.41	0.37
17.15	3.49	1.29	0.52	19.75	3.65	1.41	0.36
17.20	3.49	1.29	0.52	19.80	3.65	1.41	0.36
17.25	3.49	1.30	0.51	19.85	3.65	1.41	0.36
17.30	3.50	1.30	0.51	19.90	3.66	1.41	0.36
17.35	3.50	1.30	0.50	19.95	3.66	1.42	0.36
17.40	3.50	1.30	0.50	20.00	3.66	1.42	0.36
17.45	3.51	1.31	0.49	20.05	3.66	1.42	0.36
17.50	3.51	1.31	0.49	20.10	3.67	1.42	0.36
17.55	3.52	1.31	0.48	20.15	3.67	1.42	0.36
17.60	3.52	1.31	0.48	20.20	3.67	1.43	0.36
17.65	3.52	1.32	0.48	20.25	3.68	1.43	0.35
17.70	3.53	1.32	0.47	20.30	3.68	1.43	0.35
17.75	3.53	1.32	0.47	20.35	3.68	1.43	0.35
17.80	3.53	1.32	0.46	20.40	3.68	1.43	0.35
17.85	3.54	1.33	0.46	20.45	3.69	1.43	0.35
17.90	3.54	1.33	0.45	20.50	3.69	1.44	0.35
17.95	3.54	1.33	0.45	20.55	3.69	1.44	0.35
18.00	3.54	1.33	0.44	20.60	3.69	1.44	0.35
18.05	3.55	1.34	0.44	20.65	3.70	1.44	0.35
18.10	3.55	1.34	0.43	20.70	3.70	1.44	0.34
18.15	3.55	1.34	0.43	20.75	3.70	1.45	0.34

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.45	0.34	23.40	3.82	1.54	0.28
20.85	3.71	1.45	0.34	23.45	3.83	1.54	0.28
20.90	3.71	1.45	0.34	23.50	3.83	1.54	0.28
20.95	3.71	1.45	0.34	23.55	3.83	1.54	0.28
21.00	3.71	1.46	0.34	23.60	3.83	1.54	0.28
21.05	3.72	1.46	0.34	23.65	3.84	1.54	0.28
21.10	3.72	1.46	0.34	23.70	3.84	1.55	0.28
21.15	3.72	1.46	0.33	23.75	3.84	1.55	0.27
21.20	3.72	1.46	0.33	23.80	3.84	1.55	0.27
21.25	3.73	1.46	0.33	23.85	3.84	1.55	0.27
21.30	3.73	1.47	0.33	23.90	3.85	1.55	0.27
21.35	3.73	1.47	0.33	23.95	3.85	1.55	0.27
21.40	3.73	1.47	0.33	24.00	**3.85**	**1.56**	0.27
21.45	3.74	1.47	0.33	24.05	3.85	1.56	0.27
21.50	3.74	1.47	0.33	24.10	3.85	1.56	0.27
21.55	3.74	1.48	0.33	24.15	3.85	1.56	0.27
21.60	3.74	1.48	0.32	24.20	3.85	1.56	0.26
21.65	3.75	1.48	0.32	24.25	3.85	1.56	0.25
21.70	3.75	1.48	0.32	24.30	3.85	1.56	0.23
21.75	3.75	1.48	0.32	24.35	3.85	1.56	0.21
21.80	3.75	1.48	0.32	24.40	3.85	1.56	0.19
21.85	3.76	1.49	0.32	24.45	3.85	1.56	0.16
21.90	3.76	1.49	0.32	24.50	3.85	1.56	0.13
21.95	3.76	1.49	0.32	24.55	3.85	1.56	0.11
22.00	3.76	1.49	0.31	24.60	3.85	1.56	0.09
22.05	3.77	1.49	0.31	24.65	3.85	1.56	0.07
22.10	3.77	1.49	0.31	24.70	3.85	1.56	0.06
22.15	3.77	1.50	0.31	24.75	3.85	1.56	0.05
22.20	3.77	1.50	0.31	24.80	3.85	1.56	0.04
22.25	3.77	1.50	0.31	24.85	3.85	1.56	0.03
22.30	3.78	1.50	0.31	24.90	3.85	1.56	0.02
22.35	3.78	1.50	0.31	24.95	3.85	1.56	0.02
22.40	3.78	1.50	0.31	25.00	3.85	1.56	0.02
22.45	3.78	1.51	0.30	25.05	3.85	1.56	0.01
22.50	3.79	1.51	0.30	25.10	3.85	1.56	0.01
22.55	3.79	1.51	0.30	25.15	3.85	1.56	0.01
22.60	3.79	1.51	0.30	25.20	3.85	1.56	0.01
22.65	3.79	1.51	0.30	25.25	3.85	1.56	0.01
22.70	3.79	1.51	0.30	25.30	3.85	1.56	0.00
22.75	3.80	1.52	0.30	25.35	3.85	1.56	0.00
22.80	3.80	1.52	0.30	25.40	3.85	1.56	0.00
22.85	3.80	1.52	0.30	25.45	3.85	1.56	0.00
22.90	3.80	1.52	0.29	25.50	3.85	1.56	0.00
22.95	3.81	1.52	0.29	25.55	3.85	1.56	0.00
23.00	3.81	1.52	0.29	25.60	3.85	1.56	0.00
23.05	3.81	1.53	0.29	25.65	3.85	1.56	0.00
23.10	3.81	1.53	0.29	25.70	3.85	1.56	0.00
23.15	3.81	1.53	0.29	25.75	3.85	1.56	0.00
23.20	3.82	1.53	0.29	25.80	3.85	1.56	0.00
23.25	3.82	1.53	0.29	25.85	3.85	1.56	0.00
23.30	3.82	1.53	0.28	25.90	3.85	1.56	0.00
23.35	3.82	1.53	0.28	25.95	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.56	0.00	28.60	3.85	1.56	0.00
26.05	3.85	1.56	0.00	28.65	3.85	1.56	0.00
26.10	3.85	1.56	0.00	28.70	3.85	1.56	0.00
26.15	3.85	1.56	0.00	28.75	3.85	1.56	0.00
26.20	3.85	1.56	0.00	28.80	3.85	1.56	0.00
26.25	3.85	1.56	0.00	28.85	3.85	1.56	0.00
26.30	3.85	1.56	0.00	28.90	3.85	1.56	0.00
26.35	3.85	1.56	0.00	28.95	3.85	1.56	0.00
26.40	3.85	1.56	0.00	29.00	3.85	1.56	0.00
26.45	3.85	1.56	0.00	29.05	3.85	1.56	0.00
26.50	3.85	1.56	0.00	29.10	3.85	1.56	0.00
26.55	3.85	1.56	0.00	29.15	3.85	1.56	0.00
26.60	3.85	1.56	0.00	29.20	3.85	1.56	0.00
26.65	3.85	1.56	0.00	29.25	3.85	1.56	0.00
26.70	3.85	1.56	0.00	29.30	3.85	1.56	0.00
26.75	3.85	1.56	0.00	29.35	3.85	1.56	0.00
26.80	3.85	1.56	0.00	29.40	3.85	1.56	0.00
26.85	3.85	1.56	0.00	29.45	3.85	1.56	0.00
26.90	3.85	1.56	0.00	29.50	3.85	1.56	0.00
26.95	3.85	1.56	0.00	29.55	3.85	1.56	0.00
27.00	3.85	1.56	0.00	29.60	3.85	1.56	0.00
27.05	3.85	1.56	0.00	29.65	3.85	1.56	0.00
27.10	3.85	1.56	0.00	29.70	3.85	1.56	0.00
27.15	3.85	1.56	0.00	29.75	3.85	1.56	0.00
27.20	3.85	1.56	0.00	29.80	3.85	1.56	0.00
27.25	3.85	1.56	0.00	29.85	3.85	1.56	0.00
27.30	3.85	1.56	0.00	29.90	3.85	1.56	0.00
27.35	3.85	1.56	0.00	29.95	3.85	1.56	0.00
27.40	3.85	1.56	0.00	30.00	3.85	1.56	0.00
27.45	3.85	1.56	0.00	30.05	3.85	1.56	0.00
27.50	3.85	1.56	0.00	30.10	3.85	1.56	0.00
27.55	3.85	1.56	0.00	30.15	3.85	1.56	0.00
27.60	3.85	1.56	0.00	30.20	3.85	1.56	0.00
27.65	3.85	1.56	0.00	30.25	3.85	1.56	0.00
27.70	3.85	1.56	0.00	30.30	3.85	1.56	0.00
27.75	3.85	1.56	0.00	30.35	3.85	1.56	0.00
27.80	3.85	1.56	0.00	30.40	3.85	1.56	0.00
27.85	3.85	1.56	0.00	30.45	3.85	1.56	0.00
27.90	3.85	1.56	0.00	30.50	3.85	1.56	0.00
27.95	3.85	1.56	0.00	30.55	3.85	1.56	0.00
28.00	3.85	1.56	0.00	30.60	3.85	1.56	0.00
28.05	3.85	1.56	0.00	30.65	3.85	1.56	0.00
28.10	3.85	1.56	0.00	30.70	3.85	1.56	0.00
28.15	3.85	1.56	0.00	30.75	3.85	1.56	0.00
28.20	3.85	1.56	0.00	30.80	3.85	1.56	0.00
28.25	3.85	1.56	0.00	30.85	3.85	1.56	0.00
28.30	3.85	1.56	0.00	30.90	3.85	1.56	0.00
28.35	3.85	1.56	0.00	30.95	3.85	1.56	0.00
28.40	3.85	1.56	0.00	31.00	3.85	1.56	0.00
28.45	3.85	1.56	0.00	31.05	3.85	1.56	0.00
28.50	3.85	1.56	0.00	31.10	3.85	1.56	0.00
28.55	3.85	1.56	0.00	31.15	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.56	0.00	33.80	3.85	1.56	0.00
31.25	3.85	1.56	0.00	33.85	3.85	1.56	0.00
31.30	3.85	1.56	0.00	33.90	3.85	1.56	0.00
31.35	3.85	1.56	0.00	33.95	3.85	1.56	0.00
31.40	3.85	1.56	0.00	34.00	3.85	1.56	0.00
31.45	3.85	1.56	0.00	34.05	3.85	1.56	0.00
31.50	3.85	1.56	0.00	34.10	3.85	1.56	0.00
31.55	3.85	1.56	0.00	34.15	3.85	1.56	0.00
31.60	3.85	1.56	0.00	34.20	3.85	1.56	0.00
31.65	3.85	1.56	0.00	34.25	3.85	1.56	0.00
31.70	3.85	1.56	0.00	34.30	3.85	1.56	0.00
31.75	3.85	1.56	0.00	34.35	3.85	1.56	0.00
31.80	3.85	1.56	0.00	34.40	3.85	1.56	0.00
31.85	3.85	1.56	0.00	34.45	3.85	1.56	0.00
31.90	3.85	1.56	0.00	34.50	3.85	1.56	0.00
31.95	3.85	1.56	0.00	34.55	3.85	1.56	0.00
32.00	3.85	1.56	0.00	34.60	3.85	1.56	0.00
32.05	3.85	1.56	0.00	34.65	3.85	1.56	0.00
32.10	3.85	1.56	0.00	34.70	3.85	1.56	0.00
32.15	3.85	1.56	0.00	34.75	3.85	1.56	0.00
32.20	3.85	1.56	0.00	34.80	3.85	1.56	0.00
32.25	3.85	1.56	0.00	34.85	3.85	1.56	0.00
32.30	3.85	1.56	0.00	34.90	3.85	1.56	0.00
32.35	3.85	1.56	0.00	34.95	3.85	1.56	0.00
32.40	3.85	1.56	0.00	35.00	3.85	1.56	0.00
32.45	3.85	1.56	0.00	35.05	3.85	1.56	0.00
32.50	3.85	1.56	0.00	35.10	3.85	1.56	0.00
32.55	3.85	1.56	0.00	35.15	3.85	1.56	0.00
32.60	3.85	1.56	0.00	35.20	3.85	1.56	0.00
32.65	3.85	1.56	0.00	35.25	3.85	1.56	0.00
32.70	3.85	1.56	0.00	35.30	3.85	1.56	0.00
32.75	3.85	1.56	0.00	35.35	3.85	1.56	0.00
32.80	3.85	1.56	0.00	35.40	3.85	1.56	0.00
32.85	3.85	1.56	0.00	35.45	3.85	1.56	0.00
32.90	3.85	1.56	0.00	35.50	3.85	1.56	0.00
32.95	3.85	1.56	0.00	35.55	3.85	1.56	0.00
33.00	3.85	1.56	0.00	35.60	3.85	1.56	0.00
33.05	3.85	1.56	0.00	35.65	3.85	1.56	0.00
33.10	3.85	1.56	0.00	35.70	3.85	1.56	0.00
33.15	3.85	1.56	0.00	35.75	3.85	1.56	0.00
33.20	3.85	1.56	0.00	35.80	3.85	1.56	0.00
33.25	3.85	1.56	0.00	35.85	3.85	1.56	0.00
33.30	3.85	1.56	0.00	35.90	3.85	1.56	0.00
33.35	3.85	1.56	0.00	35.95	3.85	1.56	0.00
33.40	3.85	1.56	0.00	36.00	3.85	1.56	0.00
33.45	3.85	1.56	0.00	36.05	3.85	1.56	0.00
33.50	3.85	1.56	0.00	36.10	3.85	1.56	0.00
33.55	3.85	1.56	0.00	36.15	3.85	1.56	0.00
33.60	3.85	1.56	0.00	36.20	3.85	1.56	0.00
33.65	3.85	1.56	0.00	36.25	3.85	1.56	0.00
33.70	3.85	1.56	0.00	36.30	3.85	1.56	0.00
33.75	3.85	1.56	0.00	36.35	3.85	1.56	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.56	0.00
36.45	3.85	1.56	0.00
36.50	3.85	1.56	0.00
36.55	3.85	1.56	0.00
36.60	3.85	1.56	0.00
36.65	3.85	1.56	0.00
36.70	3.85	1.56	0.00
36.75	3.85	1.56	0.00
36.80	3.85	1.56	0.00
36.85	3.85	1.56	0.00
36.90	3.85	1.56	0.00
36.95	3.85	1.56	0.00
37.00	3.85	1.56	0.00
37.05	3.85	1.56	0.00
37.10	3.85	1.56	0.00
37.15	3.85	1.56	0.00
37.20	3.85	1.56	0.00
37.25	3.85	1.56	0.00
37.30	3.85	1.56	0.00
37.35	3.85	1.56	0.00
37.40	3.85	1.56	0.00
37.45	3.85	1.56	0.00
37.50	3.85	1.56	0.00
37.55	3.85	1.56	0.00
37.60	3.85	1.56	0.00
37.65	3.85	1.56	0.00
37.70	3.85	1.56	0.00
37.75	3.85	1.56	0.00
37.80	3.85	1.56	0.00
37.85	3.85	1.56	0.00
37.90	3.85	1.56	0.00
37.95	3.85	1.56	0.00
38.00	3.85	1.56	0.00
38.05	3.85	1.56	0.00
38.10	3.85	1.56	0.00
38.15	3.85	1.56	0.00
38.20	3.85	1.56	0.00
38.25	3.85	1.56	0.00
38.30	3.85	1.56	0.00
38.35	3.85	1.56	0.00
38.40	3.85	1.56	0.00
38.45	3.85	1.56	0.00
38.50	3.85	1.56	0.00
38.55	3.85	1.56	0.00
38.60	3.85	1.56	0.00
38.65	3.85	1.56	0.00
38.70	3.85	1.56	0.00
38.75	3.85	1.56	0.00
38.80	3.85	1.56	0.00
38.85	3.85	1.56	0.00
38.90	3.85	1.56	0.00
38.95	3.85	1.56	0.00
39.00	3.85	1.56	0.00
39.05	3.85	1.56	0.00
39.10	3.85	1.56	0.00
39.15	3.85	1.56	0.00
39.20	3.85	1.56	0.00
39.25	3.85	1.56	0.00
39.30	3.85	1.56	0.00
39.35	3.85	1.56	0.00
39.40	3.85	1.56	0.00
39.45	3.85	1.56	0.00
39.50	3.85	1.56	0.00
39.55	3.85	1.56	0.00
39.60	3.85	1.56	0.00
39.65	3.85	1.56	0.00
39.70	3.85	1.56	0.00
39.75	3.85	1.56	0.00
39.80	3.85	1.56	0.00
39.85	3.85	1.56	0.00
39.90	3.85	1.56	0.00
39.95	3.85	1.56	0.00
40.00	3.85	1.56	0.00

Summary for Subcatchment X-6l: XDA-6 (offsite impervious)

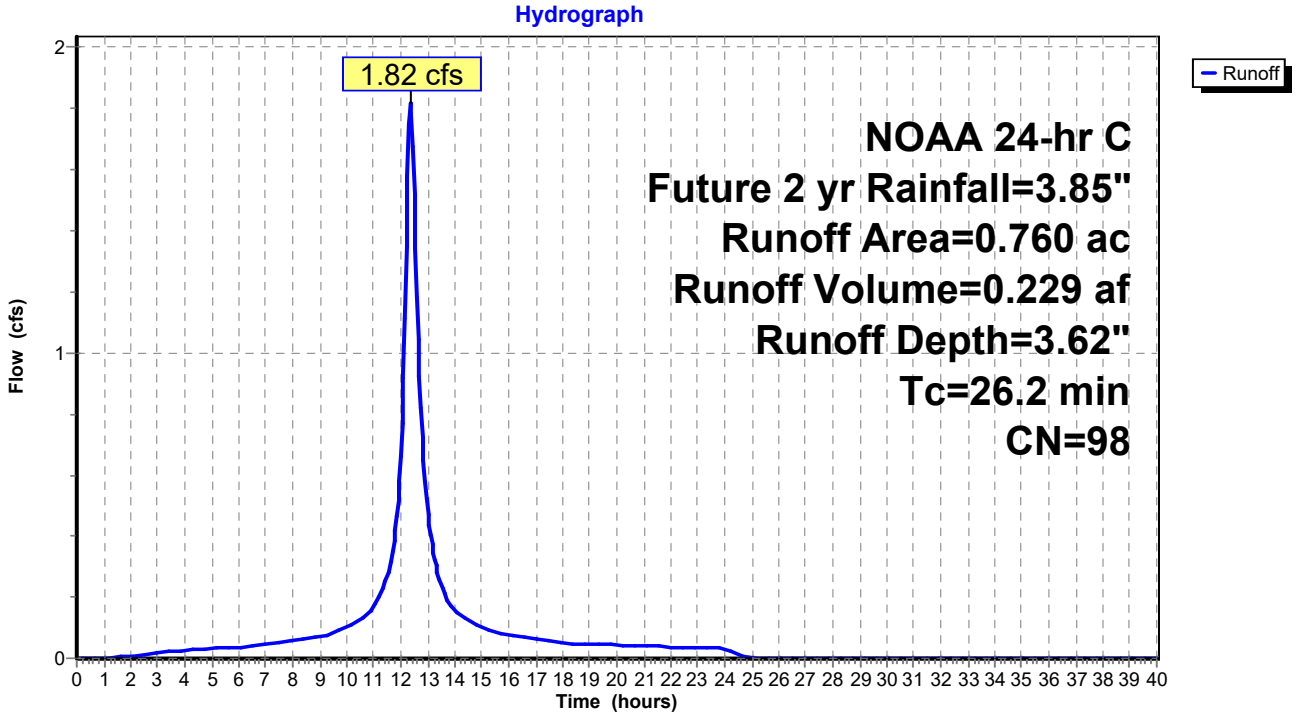
Runoff = 1.82 cfs @ 12.36 hrs, Volume= 0.229 af, Depth= 3.62"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6l: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.00	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.00	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.00	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.06
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.06
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.07
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.07
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.07
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.08
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.08
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.08
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.08
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.09
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.09
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.09
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.09
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.09
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.10
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.10
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.10
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.10
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.10
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.11
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.11
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.11
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.11
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.12
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.12
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.12

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.12	13.00	2.93	2.69	0.47
10.45	0.78	0.58	0.12	13.05	2.94	2.71	0.43
10.50	0.79	0.59	0.13	13.10	2.96	2.73	0.40
10.55	0.80	0.60	0.13	13.15	2.97	2.74	0.37
10.60	0.82	0.61	0.13	13.20	2.98	2.75	0.35
10.65	0.83	0.62	0.13	13.25	3.00	2.77	0.32
10.70	0.84	0.64	0.14	13.30	3.01	2.78	0.30
10.75	0.85	0.65	0.14	13.35	3.02	2.79	0.28
10.80	0.87	0.66	0.15	13.40	3.03	2.80	0.27
10.85	0.88	0.67	0.15	13.45	3.05	2.81	0.25
10.90	0.89	0.69	0.16	13.50	3.06	2.82	0.24
10.95	0.91	0.70	0.16	13.55	3.07	2.83	0.23
11.00	0.92	0.72	0.17	13.60	3.08	2.84	0.21
11.05	0.94	0.73	0.18	13.65	3.09	2.85	0.20
11.10	0.96	0.75	0.19	13.70	3.09	2.86	0.19
11.15	0.98	0.77	0.19	13.75	3.10	2.87	0.19
11.20	1.00	0.79	0.20	13.80	3.11	2.88	0.18
11.25	1.02	0.81	0.21	13.85	3.12	2.89	0.17
11.30	1.04	0.83	0.22	13.90	3.13	2.90	0.16
11.35	1.06	0.85	0.24	13.95	3.14	2.91	0.16
11.40	1.09	0.88	0.25	14.00	3.15	2.92	0.15
11.45	1.11	0.90	0.26	14.05	3.16	2.92	0.15
11.50	1.14	0.92	0.28	14.10	3.16	2.93	0.15
11.55	1.18	0.96	0.29	14.15	3.17	2.94	0.14
11.60	1.22	1.00	0.31	14.20	3.18	2.95	0.14
11.65	1.26	1.04	0.33	14.25	3.19	2.96	0.14
11.70	1.30	1.08	0.35	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.38	14.35	3.20	2.97	0.13
11.80	1.41	1.19	0.42	14.40	3.21	2.98	0.13
11.85	1.49	1.27	0.46	14.45	3.22	2.99	0.13
11.90	1.57	1.34	0.52	14.50	3.23	2.99	0.12
11.95	1.70	1.48	0.58	14.55	3.23	3.00	0.12
12.00	1.83	1.61	0.66	14.60	3.24	3.01	0.12
12.05	2.06	1.83	0.77	14.65	3.25	3.01	0.12
12.10	2.28	2.06	0.92	14.70	3.25	3.02	0.12
12.15	2.36	2.13	1.12	14.75	3.26	3.03	0.11
12.20	2.44	2.21	1.35	14.80	3.26	3.03	0.11
12.25	2.50	2.27	1.58	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.75	14.90	3.28	3.04	0.11
12.35	2.59	2.36	**1.82**	14.95	3.28	3.05	0.10
12.40	2.63	2.40	1.78	15.00	3.29	3.05	0.10
12.45	2.67	2.44	1.67	15.05	3.29	3.06	0.10
12.50	2.71	2.48	1.52	15.10	3.30	3.07	0.10
12.55	2.74	2.51	1.34	15.15	3.30	3.07	0.10
12.60	2.76	2.53	1.18	15.20	3.31	3.08	0.09
12.65	2.79	2.56	1.04	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.92	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.82	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.72	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.65	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.58	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.52	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.03
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.03
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.03
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.03
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.02
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.02
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.01
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.01
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.01
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.01
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

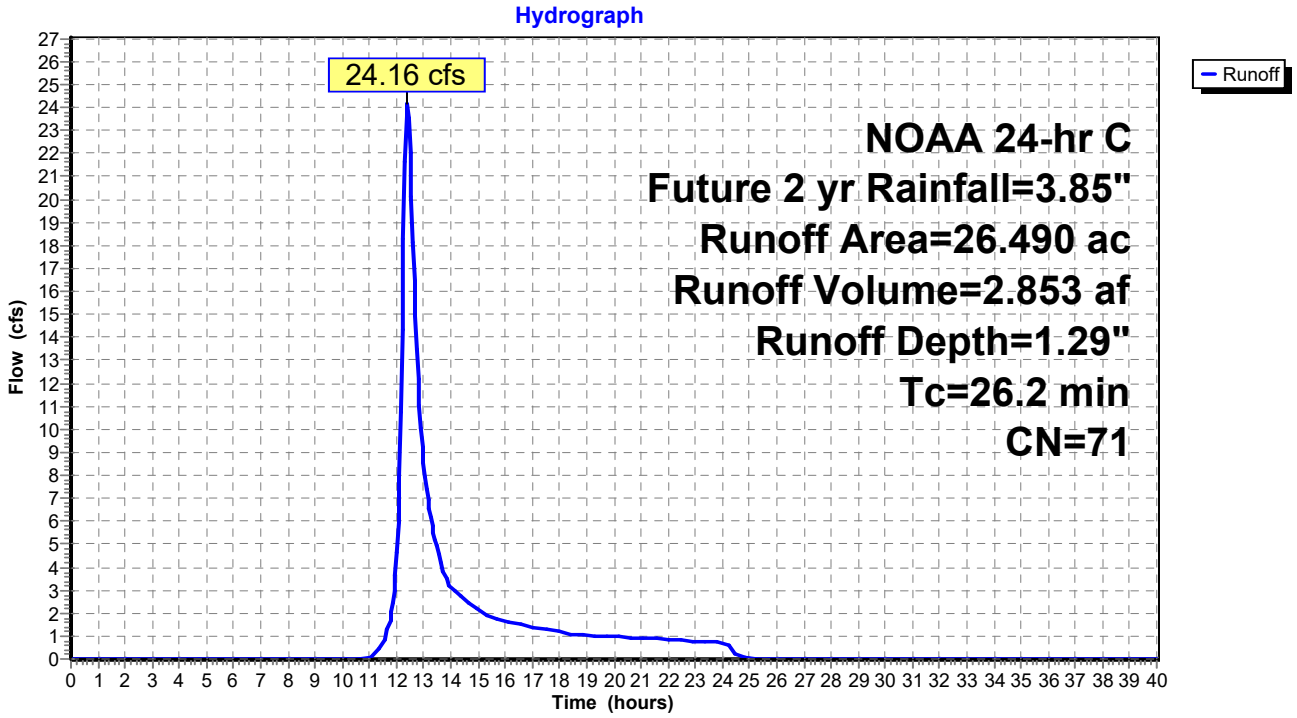
Runoff = 24.16 cfs @ 12.40 hrs, Volume= 2.853 af, Depth= 1.29"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.72	8.52
10.45	0.78	0.00	0.00	13.05	2.94	0.73	7.91
10.50	0.79	0.00	0.00	13.10	2.96	0.74	7.39
10.55	0.80	0.00	0.00	13.15	2.97	0.74	6.93
10.60	0.82	0.00	0.00	13.20	2.98	0.75	6.52
10.65	0.83	0.00	0.00	13.25	3.00	0.76	6.14
10.70	0.84	0.00	0.00	13.30	3.01	0.77	5.79
10.75	0.85	0.00	0.00	13.35	3.02	0.77	5.48
10.80	0.87	0.00	0.00	13.40	3.03	0.78	5.19
10.85	0.88	0.00	0.01	13.45	3.05	0.79	4.93
10.90	0.89	0.00	0.02	13.50	3.06	0.79	4.70
10.95	0.91	0.00	0.03	13.55	3.07	0.80	4.48
11.00	0.92	0.00	0.06	13.60	3.08	0.80	4.28
11.05	0.94	0.00	0.09	13.65	3.09	0.81	4.09
11.10	0.96	0.00	0.12	13.70	3.09	0.82	3.92
11.15	0.98	0.01	0.17	13.75	3.10	0.82	3.75
11.20	1.00	0.01	0.22	13.80	3.11	0.83	3.59
11.25	1.02	0.01	0.28	13.85	3.12	0.83	3.46
11.30	1.04	0.01	0.34	13.90	3.13	0.84	3.34
11.35	1.06	0.01	0.42	13.95	3.14	0.84	3.23
11.40	1.09	0.02	0.51	14.00	3.15	0.85	3.14
11.45	1.11	0.02	0.61	14.05	3.16	0.85	3.07
11.50	1.14	0.02	0.72	14.10	3.16	0.86	3.00
11.55	1.18	0.03	0.85	14.15	3.17	0.86	2.94
11.60	1.22	0.04	0.99	14.20	3.18	0.87	2.89
11.65	1.26	0.04	1.17	14.25	3.19	0.87	2.83
11.70	1.30	0.05	1.40	14.30	3.20	0.88	2.79
11.75	1.35	0.06	1.68	14.35	3.20	0.88	2.74
11.80	1.41	0.08	2.02	14.40	3.21	0.88	2.69
11.85	1.49	0.09	2.45	14.45	3.22	0.89	2.65
11.90	1.57	0.12	2.98	14.50	3.23	0.89	2.60
11.95	1.70	0.16	3.67	14.55	3.23	0.90	2.56
12.00	1.83	0.20	4.62	14.60	3.24	0.90	2.52
12.05	2.06	0.29	5.95	14.65	3.25	0.91	2.47
12.10	2.28	0.39	7.93	14.70	3.25	0.91	2.43
12.15	2.36	0.42	10.76	14.75	3.26	0.91	2.39
12.20	2.44	0.46	14.36	14.80	3.26	0.92	2.34
12.25	2.50	0.49	18.26	14.85	3.27	0.92	2.30
12.30	2.55	0.52	21.61	14.90	3.28	0.92	2.26
12.35	2.59	0.54	23.61	14.95	3.28	0.93	2.21
12.40	2.63	0.56	**24.16**	15.00	3.29	0.93	2.17
12.45	2.67	0.58	23.55	15.05	3.29	0.93	2.13
12.50	2.71	0.60	22.06	15.10	3.30	0.94	2.08
12.55	2.74	0.61	20.13	15.15	3.30	0.94	2.04
12.60	2.76	0.63	18.16	15.20	3.31	0.94	1.99
12.65	2.79	0.64	16.45	15.25	3.31	0.95	1.95
12.70	2.81	0.65	14.92	15.30	3.32	0.95	1.91
12.75	2.83	0.67	13.50	15.35	3.32	0.95	1.88
12.80	2.85	0.68	12.22	15.40	3.33	0.96	1.84
12.85	2.87	0.69	11.08	15.45	3.34	0.96	1.82
12.90	2.89	0.70	10.09	15.50	3.34	0.96	1.79
12.95	2.91	0.71	9.24	15.55	3.35	0.97	1.77

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.97	1.76	18.20	3.56	1.10	1.13
15.65	3.36	0.97	1.74	18.25	3.56	1.10	1.11
15.70	3.36	0.98	1.72	18.30	3.56	1.10	1.10
15.75	3.36	0.98	1.71	18.35	3.57	1.11	1.09
15.80	3.37	0.98	1.70	18.40	3.57	1.11	1.08
15.85	3.37	0.98	1.68	18.45	3.57	1.11	1.08
15.90	3.38	0.99	1.67	18.50	3.58	1.11	1.07
15.95	3.38	0.99	1.66	18.55	3.58	1.11	1.06
16.00	3.39	0.99	1.65	18.60	3.58	1.12	1.06
16.05	3.39	1.00	1.64	18.65	3.58	1.12	1.05
16.10	3.40	1.00	1.62	18.70	3.59	1.12	1.05
16.15	3.40	1.00	1.61	18.75	3.59	1.12	1.05
16.20	3.41	1.01	1.60	18.80	3.59	1.12	1.04
16.25	3.41	1.01	1.59	18.85	3.60	1.13	1.04
16.30	3.42	1.01	1.58	18.90	3.60	1.13	1.04
16.35	3.42	1.01	1.57	18.95	3.60	1.13	1.03
16.40	3.42	1.02	1.56	19.00	3.61	1.13	1.03
16.45	3.43	1.02	1.55	19.05	3.61	1.13	1.03
16.50	3.43	1.02	1.53	19.10	3.61	1.13	1.03
16.55	3.44	1.02	1.52	19.15	3.61	1.14	1.02
16.60	3.44	1.03	1.51	19.20	3.62	1.14	1.02
16.65	3.45	1.03	1.50	19.25	3.62	1.14	1.02
16.70	3.45	1.03	1.49	19.30	3.62	1.14	1.01
16.75	3.45	1.03	1.47	19.35	3.63	1.14	1.01
16.80	3.46	1.04	1.46	19.40	3.63	1.15	1.01
16.85	3.46	1.04	1.45	19.45	3.63	1.15	1.00
16.90	3.47	1.04	1.44	19.50	3.63	1.15	1.00
16.95	3.47	1.05	1.43	19.55	3.64	1.15	1.00
17.00	3.47	1.05	1.42	19.60	3.64	1.15	1.00
17.05	3.48	1.05	1.40	19.65	3.64	1.16	0.99
17.10	3.48	1.05	1.39	19.70	3.65	1.16	0.99
17.15	3.49	1.05	1.38	19.75	3.65	1.16	0.99
17.20	3.49	1.06	1.37	19.80	3.65	1.16	0.98
17.25	3.49	1.06	1.36	19.85	3.65	1.16	0.98
17.30	3.50	1.06	1.35	19.90	3.66	1.16	0.98
17.35	3.50	1.06	1.33	19.95	3.66	1.17	0.98
17.40	3.50	1.07	1.32	20.00	3.66	1.17	0.97
17.45	3.51	1.07	1.31	20.05	3.66	1.17	0.97
17.50	3.51	1.07	1.30	20.10	3.67	1.17	0.97
17.55	3.52	1.07	1.28	20.15	3.67	1.17	0.97
17.60	3.52	1.08	1.27	20.20	3.67	1.17	0.96
17.65	3.52	1.08	1.26	20.25	3.68	1.18	0.96
17.70	3.53	1.08	1.25	20.30	3.68	1.18	0.96
17.75	3.53	1.08	1.24	20.35	3.68	1.18	0.95
17.80	3.53	1.08	1.22	20.40	3.68	1.18	0.95
17.85	3.54	1.09	1.21	20.45	3.69	1.18	0.95
17.90	3.54	1.09	1.20	20.50	3.69	1.19	0.94
17.95	3.54	1.09	1.19	20.55	3.69	1.19	0.94
18.00	3.54	1.09	1.17	20.60	3.69	1.19	0.94
18.05	3.55	1.09	1.16	20.65	3.70	1.19	0.94
18.10	3.55	1.10	1.15	20.70	3.70	1.19	0.93
18.15	3.55	1.10	1.14	20.75	3.70	1.19	0.93

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.20	0.93	23.40	3.82	1.28	0.77
20.85	3.71	1.20	0.92	23.45	3.83	1.28	0.76
20.90	3.71	1.20	0.92	23.50	3.83	1.28	0.76
20.95	3.71	1.20	0.92	23.55	3.83	1.28	0.76
21.00	3.71	1.20	0.92	23.60	3.83	1.28	0.75
21.05	3.72	1.20	0.91	23.65	3.84	1.28	0.75
21.10	3.72	1.21	0.91	23.70	3.84	1.28	0.75
21.15	3.72	1.21	0.91	23.75	3.84	1.29	0.74
21.20	3.72	1.21	0.90	23.80	3.84	1.29	0.74
21.25	3.73	1.21	0.90	23.85	3.84	1.29	0.74
21.30	3.73	1.21	0.90	23.90	3.85	1.29	0.74
21.35	3.73	1.21	0.89	23.95	3.85	1.29	0.73
21.40	3.73	1.22	0.89	24.00	**3.85**	**1.29**	0.73
21.45	3.74	1.22	0.89	24.05	3.85	1.29	0.73
21.50	3.74	1.22	0.89	24.10	3.85	1.29	0.73
21.55	3.74	1.22	0.88	24.15	3.85	1.29	0.72
21.60	3.74	1.22	0.88	24.20	3.85	1.29	0.68
21.65	3.75	1.22	0.88	24.25	3.85	1.29	0.61
21.70	3.75	1.23	0.87	24.30	3.85	1.29	0.53
21.75	3.75	1.23	0.87	24.35	3.85	1.29	0.43
21.80	3.75	1.23	0.87	24.40	3.85	1.29	0.34
21.85	3.76	1.23	0.86	24.45	3.85	1.29	0.26
21.90	3.76	1.23	0.86	24.50	3.85	1.29	0.19
21.95	3.76	1.23	0.86	24.55	3.85	1.29	0.15
22.00	3.76	1.23	0.85	24.60	3.85	1.29	0.11
22.05	3.77	1.24	0.85	24.65	3.85	1.29	0.08
22.10	3.77	1.24	0.85	24.70	3.85	1.29	0.06
22.15	3.77	1.24	0.85	24.75	3.85	1.29	0.05
22.20	3.77	1.24	0.84	24.80	3.85	1.29	0.04
22.25	3.77	1.24	0.84	24.85	3.85	1.29	0.03
22.30	3.78	1.24	0.84	24.90	3.85	1.29	0.02
22.35	3.78	1.25	0.83	24.95	3.85	1.29	0.01
22.40	3.78	1.25	0.83	25.00	3.85	1.29	0.01
22.45	3.78	1.25	0.83	25.05	3.85	1.29	0.01
22.50	3.79	1.25	0.82	25.10	3.85	1.29	0.01
22.55	3.79	1.25	0.82	25.15	3.85	1.29	0.00
22.60	3.79	1.25	0.82	25.20	3.85	1.29	0.00
22.65	3.79	1.25	0.81	25.25	3.85	1.29	0.00
22.70	3.79	1.26	0.81	25.30	3.85	1.29	0.00
22.75	3.80	1.26	0.81	25.35	3.85	1.29	0.00
22.80	3.80	1.26	0.80	25.40	3.85	1.29	0.00
22.85	3.80	1.26	0.80	25.45	3.85	1.29	0.00
22.90	3.80	1.26	0.80	25.50	3.85	1.29	0.00
22.95	3.81	1.26	0.80	25.55	3.85	1.29	0.00
23.00	3.81	1.26	0.79	25.60	3.85	1.29	0.00
23.05	3.81	1.27	0.79	25.65	3.85	1.29	0.00
23.10	3.81	1.27	0.79	25.70	3.85	1.29	0.00
23.15	3.81	1.27	0.78	25.75	3.85	1.29	0.00
23.20	3.82	1.27	0.78	25.80	3.85	1.29	0.00
23.25	3.82	1.27	0.78	25.85	3.85	1.29	0.00
23.30	3.82	1.27	0.77	25.90	3.85	1.29	0.00
23.35	3.82	1.27	0.77	25.95	3.85	1.29	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.29	0.00	28.60	3.85	1.29	0.00
26.05	3.85	1.29	0.00	28.65	3.85	1.29	0.00
26.10	3.85	1.29	0.00	28.70	3.85	1.29	0.00
26.15	3.85	1.29	0.00	28.75	3.85	1.29	0.00
26.20	3.85	1.29	0.00	28.80	3.85	1.29	0.00
26.25	3.85	1.29	0.00	28.85	3.85	1.29	0.00
26.30	3.85	1.29	0.00	28.90	3.85	1.29	0.00
26.35	3.85	1.29	0.00	28.95	3.85	1.29	0.00
26.40	3.85	1.29	0.00	29.00	3.85	1.29	0.00
26.45	3.85	1.29	0.00	29.05	3.85	1.29	0.00
26.50	3.85	1.29	0.00	29.10	3.85	1.29	0.00
26.55	3.85	1.29	0.00	29.15	3.85	1.29	0.00
26.60	3.85	1.29	0.00	29.20	3.85	1.29	0.00
26.65	3.85	1.29	0.00	29.25	3.85	1.29	0.00
26.70	3.85	1.29	0.00	29.30	3.85	1.29	0.00
26.75	3.85	1.29	0.00	29.35	3.85	1.29	0.00
26.80	3.85	1.29	0.00	29.40	3.85	1.29	0.00
26.85	3.85	1.29	0.00	29.45	3.85	1.29	0.00
26.90	3.85	1.29	0.00	29.50	3.85	1.29	0.00
26.95	3.85	1.29	0.00	29.55	3.85	1.29	0.00
27.00	3.85	1.29	0.00	29.60	3.85	1.29	0.00
27.05	3.85	1.29	0.00	29.65	3.85	1.29	0.00
27.10	3.85	1.29	0.00	29.70	3.85	1.29	0.00
27.15	3.85	1.29	0.00	29.75	3.85	1.29	0.00
27.20	3.85	1.29	0.00	29.80	3.85	1.29	0.00
27.25	3.85	1.29	0.00	29.85	3.85	1.29	0.00
27.30	3.85	1.29	0.00	29.90	3.85	1.29	0.00
27.35	3.85	1.29	0.00	29.95	3.85	1.29	0.00
27.40	3.85	1.29	0.00	30.00	3.85	1.29	0.00
27.45	3.85	1.29	0.00	30.05	3.85	1.29	0.00
27.50	3.85	1.29	0.00	30.10	3.85	1.29	0.00
27.55	3.85	1.29	0.00	30.15	3.85	1.29	0.00
27.60	3.85	1.29	0.00	30.20	3.85	1.29	0.00
27.65	3.85	1.29	0.00	30.25	3.85	1.29	0.00
27.70	3.85	1.29	0.00	30.30	3.85	1.29	0.00
27.75	3.85	1.29	0.00	30.35	3.85	1.29	0.00
27.80	3.85	1.29	0.00	30.40	3.85	1.29	0.00
27.85	3.85	1.29	0.00	30.45	3.85	1.29	0.00
27.90	3.85	1.29	0.00	30.50	3.85	1.29	0.00
27.95	3.85	1.29	0.00	30.55	3.85	1.29	0.00
28.00	3.85	1.29	0.00	30.60	3.85	1.29	0.00
28.05	3.85	1.29	0.00	30.65	3.85	1.29	0.00
28.10	3.85	1.29	0.00	30.70	3.85	1.29	0.00
28.15	3.85	1.29	0.00	30.75	3.85	1.29	0.00
28.20	3.85	1.29	0.00	30.80	3.85	1.29	0.00
28.25	3.85	1.29	0.00	30.85	3.85	1.29	0.00
28.30	3.85	1.29	0.00	30.90	3.85	1.29	0.00
28.35	3.85	1.29	0.00	30.95	3.85	1.29	0.00
28.40	3.85	1.29	0.00	31.00	3.85	1.29	0.00
28.45	3.85	1.29	0.00	31.05	3.85	1.29	0.00
28.50	3.85	1.29	0.00	31.10	3.85	1.29	0.00
28.55	3.85	1.29	0.00	31.15	3.85	1.29	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.29	0.00	33.80	3.85	1.29	0.00
31.25	3.85	1.29	0.00	33.85	3.85	1.29	0.00
31.30	3.85	1.29	0.00	33.90	3.85	1.29	0.00
31.35	3.85	1.29	0.00	33.95	3.85	1.29	0.00
31.40	3.85	1.29	0.00	34.00	3.85	1.29	0.00
31.45	3.85	1.29	0.00	34.05	3.85	1.29	0.00
31.50	3.85	1.29	0.00	34.10	3.85	1.29	0.00
31.55	3.85	1.29	0.00	34.15	3.85	1.29	0.00
31.60	3.85	1.29	0.00	34.20	3.85	1.29	0.00
31.65	3.85	1.29	0.00	34.25	3.85	1.29	0.00
31.70	3.85	1.29	0.00	34.30	3.85	1.29	0.00
31.75	3.85	1.29	0.00	34.35	3.85	1.29	0.00
31.80	3.85	1.29	0.00	34.40	3.85	1.29	0.00
31.85	3.85	1.29	0.00	34.45	3.85	1.29	0.00
31.90	3.85	1.29	0.00	34.50	3.85	1.29	0.00
31.95	3.85	1.29	0.00	34.55	3.85	1.29	0.00
32.00	3.85	1.29	0.00	34.60	3.85	1.29	0.00
32.05	3.85	1.29	0.00	34.65	3.85	1.29	0.00
32.10	3.85	1.29	0.00	34.70	3.85	1.29	0.00
32.15	3.85	1.29	0.00	34.75	3.85	1.29	0.00
32.20	3.85	1.29	0.00	34.80	3.85	1.29	0.00
32.25	3.85	1.29	0.00	34.85	3.85	1.29	0.00
32.30	3.85	1.29	0.00	34.90	3.85	1.29	0.00
32.35	3.85	1.29	0.00	34.95	3.85	1.29	0.00
32.40	3.85	1.29	0.00	35.00	3.85	1.29	0.00
32.45	3.85	1.29	0.00	35.05	3.85	1.29	0.00
32.50	3.85	1.29	0.00	35.10	3.85	1.29	0.00
32.55	3.85	1.29	0.00	35.15	3.85	1.29	0.00
32.60	3.85	1.29	0.00	35.20	3.85	1.29	0.00
32.65	3.85	1.29	0.00	35.25	3.85	1.29	0.00
32.70	3.85	1.29	0.00	35.30	3.85	1.29	0.00
32.75	3.85	1.29	0.00	35.35	3.85	1.29	0.00
32.80	3.85	1.29	0.00	35.40	3.85	1.29	0.00
32.85	3.85	1.29	0.00	35.45	3.85	1.29	0.00
32.90	3.85	1.29	0.00	35.50	3.85	1.29	0.00
32.95	3.85	1.29	0.00	35.55	3.85	1.29	0.00
33.00	3.85	1.29	0.00	35.60	3.85	1.29	0.00
33.05	3.85	1.29	0.00	35.65	3.85	1.29	0.00
33.10	3.85	1.29	0.00	35.70	3.85	1.29	0.00
33.15	3.85	1.29	0.00	35.75	3.85	1.29	0.00
33.20	3.85	1.29	0.00	35.80	3.85	1.29	0.00
33.25	3.85	1.29	0.00	35.85	3.85	1.29	0.00
33.30	3.85	1.29	0.00	35.90	3.85	1.29	0.00
33.35	3.85	1.29	0.00	35.95	3.85	1.29	0.00
33.40	3.85	1.29	0.00	36.00	3.85	1.29	0.00
33.45	3.85	1.29	0.00	36.05	3.85	1.29	0.00
33.50	3.85	1.29	0.00	36.10	3.85	1.29	0.00
33.55	3.85	1.29	0.00	36.15	3.85	1.29	0.00
33.60	3.85	1.29	0.00	36.20	3.85	1.29	0.00
33.65	3.85	1.29	0.00	36.25	3.85	1.29	0.00
33.70	3.85	1.29	0.00	36.30	3.85	1.29	0.00
33.75	3.85	1.29	0.00	36.35	3.85	1.29	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.29	0.00
36.45	3.85	1.29	0.00
36.50	3.85	1.29	0.00
36.55	3.85	1.29	0.00
36.60	3.85	1.29	0.00
36.65	3.85	1.29	0.00
36.70	3.85	1.29	0.00
36.75	3.85	1.29	0.00
36.80	3.85	1.29	0.00
36.85	3.85	1.29	0.00
36.90	3.85	1.29	0.00
36.95	3.85	1.29	0.00
37.00	3.85	1.29	0.00
37.05	3.85	1.29	0.00
37.10	3.85	1.29	0.00
37.15	3.85	1.29	0.00
37.20	3.85	1.29	0.00
37.25	3.85	1.29	0.00
37.30	3.85	1.29	0.00
37.35	3.85	1.29	0.00
37.40	3.85	1.29	0.00
37.45	3.85	1.29	0.00
37.50	3.85	1.29	0.00
37.55	3.85	1.29	0.00
37.60	3.85	1.29	0.00
37.65	3.85	1.29	0.00
37.70	3.85	1.29	0.00
37.75	3.85	1.29	0.00
37.80	3.85	1.29	0.00
37.85	3.85	1.29	0.00
37.90	3.85	1.29	0.00
37.95	3.85	1.29	0.00
38.00	3.85	1.29	0.00
38.05	3.85	1.29	0.00
38.10	3.85	1.29	0.00
38.15	3.85	1.29	0.00
38.20	3.85	1.29	0.00
38.25	3.85	1.29	0.00
38.30	3.85	1.29	0.00
38.35	3.85	1.29	0.00
38.40	3.85	1.29	0.00
38.45	3.85	1.29	0.00
38.50	3.85	1.29	0.00
38.55	3.85	1.29	0.00
38.60	3.85	1.29	0.00
38.65	3.85	1.29	0.00
38.70	3.85	1.29	0.00
38.75	3.85	1.29	0.00
38.80	3.85	1.29	0.00
38.85	3.85	1.29	0.00
38.90	3.85	1.29	0.00
38.95	3.85	1.29	0.00
39.00	3.85	1.29	0.00
39.05	3.85	1.29	0.00
39.10	3.85	1.29	0.00
39.15	3.85	1.29	0.00
39.20	3.85	1.29	0.00
39.25	3.85	1.29	0.00
39.30	3.85	1.29	0.00
39.35	3.85	1.29	0.00
39.40	3.85	1.29	0.00
39.45	3.85	1.29	0.00
39.50	3.85	1.29	0.00
39.55	3.85	1.29	0.00
39.60	3.85	1.29	0.00
39.65	3.85	1.29	0.00
39.70	3.85	1.29	0.00
39.75	3.85	1.29	0.00
39.80	3.85	1.29	0.00
39.85	3.85	1.29	0.00
39.90	3.85	1.29	0.00
39.95	3.85	1.29	0.00
40.00	3.85	1.29	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

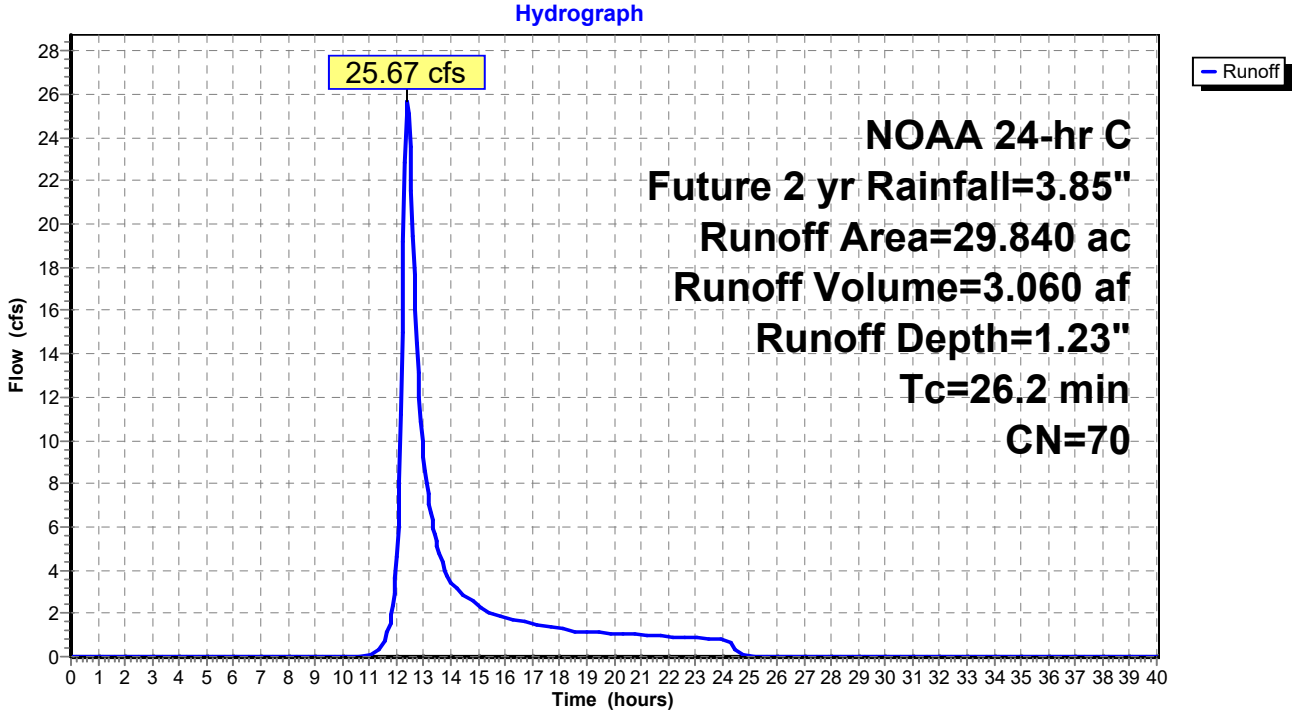
Runoff = 25.67 cfs @ 12.40 hrs, Volume= 3.060 af, Depth= 1.23"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.67	9.21
10.45	0.78	0.00	0.00	13.05	2.94	0.68	8.56
10.50	0.79	0.00	0.00	13.10	2.96	0.69	8.01
10.55	0.80	0.00	0.00	13.15	2.97	0.70	7.51
10.60	0.82	0.00	0.00	13.20	2.98	0.71	7.06
10.65	0.83	0.00	0.00	13.25	3.00	0.71	6.66
10.70	0.84	0.00	0.00	13.30	3.01	0.72	6.29
10.75	0.85	0.00	0.00	13.35	3.02	0.73	5.95
10.80	0.87	0.00	0.00	13.40	3.03	0.73	5.64
10.85	0.88	0.00	0.00	13.45	3.05	0.74	5.36
10.90	0.89	0.00	0.00	13.50	3.06	0.75	5.10
10.95	0.91	0.00	0.00	13.55	3.07	0.75	4.87
11.00	0.92	0.00	0.01	13.60	3.08	0.76	4.65
11.05	0.94	0.00	0.02	13.65	3.09	0.76	4.45
11.10	0.96	0.00	0.04	13.70	3.09	0.77	4.26
11.15	0.98	0.00	0.07	13.75	3.10	0.77	4.08
11.20	1.00	0.00	0.11	13.80	3.11	0.78	3.91
11.25	1.02	0.01	0.16	13.85	3.12	0.78	3.76
11.30	1.04	0.01	0.22	13.90	3.13	0.79	3.63
11.35	1.06	0.01	0.30	13.95	3.14	0.79	3.52
11.40	1.09	0.01	0.38	14.00	3.15	0.80	3.42
11.45	1.11	0.01	0.48	14.05	3.16	0.80	3.34
11.50	1.14	0.02	0.59	14.10	3.16	0.81	3.27
11.55	1.18	0.02	0.72	14.15	3.17	0.81	3.20
11.60	1.22	0.03	0.87	14.20	3.18	0.82	3.14
11.65	1.26	0.03	1.05	14.25	3.19	0.82	3.09
11.70	1.30	0.04	1.28	14.30	3.20	0.83	3.03
11.75	1.35	0.05	1.57	14.35	3.20	0.83	2.98
11.80	1.41	0.06	1.92	14.40	3.21	0.83	2.93
11.85	1.49	0.08	2.36	14.45	3.22	0.84	2.89
11.90	1.57	0.10	2.91	14.50	3.23	0.84	2.84
11.95	1.70	0.14	3.63	14.55	3.23	0.85	2.79
12.00	1.83	0.18	4.63	14.60	3.24	0.85	2.74
12.05	2.06	0.26	6.03	14.65	3.25	0.85	2.70
12.10	2.28	0.36	8.13	14.70	3.25	0.86	2.65
12.15	2.36	0.39	11.14	14.75	3.26	0.86	2.60
12.20	2.44	0.43	15.00	14.80	3.26	0.87	2.56
12.25	2.50	0.45	19.18	14.85	3.27	0.87	2.51
12.30	2.55	0.48	22.82	14.90	3.28	0.87	2.46
12.35	2.59	0.50	25.02	14.95	3.28	0.88	2.41
12.40	2.63	0.52	**25.67**	15.00	3.29	0.88	2.37
12.45	2.67	0.54	25.08	15.05	3.29	0.88	2.32
12.50	2.71	0.56	23.55	15.10	3.30	0.89	2.27
12.55	2.74	0.57	21.52	15.15	3.30	0.89	2.22
12.60	2.76	0.59	19.45	15.20	3.31	0.89	2.18
12.65	2.79	0.60	17.65	15.25	3.31	0.90	2.13
12.70	2.81	0.61	16.03	15.30	3.32	0.90	2.09
12.75	2.83	0.62	14.53	15.35	3.32	0.90	2.05
12.80	2.85	0.63	13.16	15.40	3.33	0.90	2.01
12.85	2.87	0.64	11.95	15.45	3.34	0.91	1.98
12.90	2.89	0.65	10.89	15.50	3.34	0.91	1.96
12.95	2.91	0.66	9.98	15.55	3.35	0.91	1.94

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.92	1.92	18.20	3.56	1.04	1.23
15.65	3.36	0.92	1.90	18.25	3.56	1.05	1.22
15.70	3.36	0.92	1.88	18.30	3.56	1.05	1.21
15.75	3.36	0.93	1.87	18.35	3.57	1.05	1.20
15.80	3.37	0.93	1.85	18.40	3.57	1.05	1.19
15.85	3.37	0.93	1.84	18.45	3.57	1.05	1.18
15.90	3.38	0.93	1.83	18.50	3.58	1.06	1.17
15.95	3.38	0.94	1.81	18.55	3.58	1.06	1.16
16.00	3.39	0.94	1.80	18.60	3.58	1.06	1.16
16.05	3.39	0.94	1.79	18.65	3.58	1.06	1.15
16.10	3.40	0.95	1.77	18.70	3.59	1.06	1.15
16.15	3.40	0.95	1.76	18.75	3.59	1.06	1.15
16.20	3.41	0.95	1.75	18.80	3.59	1.07	1.14
16.25	3.41	0.95	1.74	18.85	3.60	1.07	1.14
16.30	3.42	0.96	1.72	18.90	3.60	1.07	1.14
16.35	3.42	0.96	1.71	18.95	3.60	1.07	1.13
16.40	3.42	0.96	1.70	19.00	3.61	1.07	1.13
16.45	3.43	0.96	1.69	19.05	3.61	1.08	1.13
16.50	3.43	0.97	1.68	19.10	3.61	1.08	1.12
16.55	3.44	0.97	1.66	19.15	3.61	1.08	1.12
16.60	3.44	0.97	1.65	19.20	3.62	1.08	1.12
16.65	3.45	0.98	1.64	19.25	3.62	1.08	1.11
16.70	3.45	0.98	1.62	19.30	3.62	1.08	1.11
16.75	3.45	0.98	1.61	19.35	3.63	1.09	1.11
16.80	3.46	0.98	1.60	19.40	3.63	1.09	1.10
16.85	3.46	0.99	1.59	19.45	3.63	1.09	1.10
16.90	3.47	0.99	1.57	19.50	3.63	1.09	1.10
16.95	3.47	0.99	1.56	19.55	3.64	1.09	1.09
17.00	3.47	0.99	1.55	19.60	3.64	1.10	1.09
17.05	3.48	0.99	1.54	19.65	3.64	1.10	1.09
17.10	3.48	1.00	1.52	19.70	3.65	1.10	1.09
17.15	3.49	1.00	1.51	19.75	3.65	1.10	1.08
17.20	3.49	1.00	1.50	19.80	3.65	1.10	1.08
17.25	3.49	1.00	1.48	19.85	3.65	1.10	1.08
17.30	3.50	1.01	1.47	19.90	3.66	1.11	1.07
17.35	3.50	1.01	1.46	19.95	3.66	1.11	1.07
17.40	3.50	1.01	1.44	20.00	3.66	1.11	1.07
17.45	3.51	1.01	1.43	20.05	3.66	1.11	1.06
17.50	3.51	1.02	1.42	20.10	3.67	1.11	1.06
17.55	3.52	1.02	1.40	20.15	3.67	1.11	1.06
17.60	3.52	1.02	1.39	20.20	3.67	1.12	1.05
17.65	3.52	1.02	1.38	20.25	3.68	1.12	1.05
17.70	3.53	1.02	1.36	20.30	3.68	1.12	1.05
17.75	3.53	1.03	1.35	20.35	3.68	1.12	1.04
17.80	3.53	1.03	1.34	20.40	3.68	1.12	1.04
17.85	3.54	1.03	1.33	20.45	3.69	1.12	1.04
17.90	3.54	1.03	1.31	20.50	3.69	1.13	1.03
17.95	3.54	1.03	1.30	20.55	3.69	1.13	1.03
18.00	3.54	1.04	1.29	20.60	3.69	1.13	1.03
18.05	3.55	1.04	1.27	20.65	3.70	1.13	1.02
18.10	3.55	1.04	1.26	20.70	3.70	1.13	1.02
18.15	3.55	1.04	1.24	20.75	3.70	1.13	1.02

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.14	1.02	23.40	3.82	1.21	0.84
20.85	3.71	1.14	1.01	23.45	3.83	1.22	0.84
20.90	3.71	1.14	1.01	23.50	3.83	1.22	0.83
20.95	3.71	1.14	1.01	23.55	3.83	1.22	0.83
21.00	3.71	1.14	1.00	23.60	3.83	1.22	0.83
21.05	3.72	1.14	1.00	23.65	3.84	1.22	0.82
21.10	3.72	1.15	1.00	23.70	3.84	1.22	0.82
21.15	3.72	1.15	0.99	23.75	3.84	1.22	0.82
21.20	3.72	1.15	0.99	23.80	3.84	1.22	0.81
21.25	3.73	1.15	0.99	23.85	3.84	1.23	0.81
21.30	3.73	1.15	0.98	23.90	3.85	1.23	0.81
21.35	3.73	1.15	0.98	23.95	3.85	1.23	0.80
21.40	3.73	1.16	0.98	24.00	**3.85**	**1.23**	0.80
21.45	3.74	1.16	0.97	24.05	3.85	1.23	0.80
21.50	3.74	1.16	0.97	24.10	3.85	1.23	0.80
21.55	3.74	1.16	0.97	24.15	3.85	1.23	0.79
21.60	3.74	1.16	0.96	24.20	3.85	1.23	0.75
21.65	3.75	1.16	0.96	24.25	3.85	1.23	0.67
21.70	3.75	1.16	0.96	24.30	3.85	1.23	0.58
21.75	3.75	1.17	0.95	24.35	3.85	1.23	0.47
21.80	3.75	1.17	0.95	24.40	3.85	1.23	0.37
21.85	3.76	1.17	0.95	24.45	3.85	1.23	0.28
21.90	3.76	1.17	0.94	24.50	3.85	1.23	0.21
21.95	3.76	1.17	0.94	24.55	3.85	1.23	0.16
22.00	3.76	1.17	0.94	24.60	3.85	1.23	0.12
22.05	3.77	1.18	0.93	24.65	3.85	1.23	0.09
22.10	3.77	1.18	0.93	24.70	3.85	1.23	0.07
22.15	3.77	1.18	0.93	24.75	3.85	1.23	0.05
22.20	3.77	1.18	0.92	24.80	3.85	1.23	0.04
22.25	3.77	1.18	0.92	24.85	3.85	1.23	0.03
22.30	3.78	1.18	0.92	24.90	3.85	1.23	0.02
22.35	3.78	1.18	0.91	24.95	3.85	1.23	0.02
22.40	3.78	1.19	0.91	25.00	3.85	1.23	0.01
22.45	3.78	1.19	0.91	25.05	3.85	1.23	0.01
22.50	3.79	1.19	0.90	25.10	3.85	1.23	0.01
22.55	3.79	1.19	0.90	25.15	3.85	1.23	0.00
22.60	3.79	1.19	0.90	25.20	3.85	1.23	0.00
22.65	3.79	1.19	0.89	25.25	3.85	1.23	0.00
22.70	3.79	1.19	0.89	25.30	3.85	1.23	0.00
22.75	3.80	1.20	0.89	25.35	3.85	1.23	0.00
22.80	3.80	1.20	0.88	25.40	3.85	1.23	0.00
22.85	3.80	1.20	0.88	25.45	3.85	1.23	0.00
22.90	3.80	1.20	0.88	25.50	3.85	1.23	0.00
22.95	3.81	1.20	0.87	25.55	3.85	1.23	0.00
23.00	3.81	1.20	0.87	25.60	3.85	1.23	0.00
23.05	3.81	1.20	0.86	25.65	3.85	1.23	0.00
23.10	3.81	1.21	0.86	25.70	3.85	1.23	0.00
23.15	3.81	1.21	0.86	25.75	3.85	1.23	0.00
23.20	3.82	1.21	0.86	25.80	3.85	1.23	0.00
23.25	3.82	1.21	0.85	25.85	3.85	1.23	0.00
23.30	3.82	1.21	0.85	25.90	3.85	1.23	0.00
23.35	3.82	1.21	0.84	25.95	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.23	0.00	28.60	3.85	1.23	0.00
26.05	3.85	1.23	0.00	28.65	3.85	1.23	0.00
26.10	3.85	1.23	0.00	28.70	3.85	1.23	0.00
26.15	3.85	1.23	0.00	28.75	3.85	1.23	0.00
26.20	3.85	1.23	0.00	28.80	3.85	1.23	0.00
26.25	3.85	1.23	0.00	28.85	3.85	1.23	0.00
26.30	3.85	1.23	0.00	28.90	3.85	1.23	0.00
26.35	3.85	1.23	0.00	28.95	3.85	1.23	0.00
26.40	3.85	1.23	0.00	29.00	3.85	1.23	0.00
26.45	3.85	1.23	0.00	29.05	3.85	1.23	0.00
26.50	3.85	1.23	0.00	29.10	3.85	1.23	0.00
26.55	3.85	1.23	0.00	29.15	3.85	1.23	0.00
26.60	3.85	1.23	0.00	29.20	3.85	1.23	0.00
26.65	3.85	1.23	0.00	29.25	3.85	1.23	0.00
26.70	3.85	1.23	0.00	29.30	3.85	1.23	0.00
26.75	3.85	1.23	0.00	29.35	3.85	1.23	0.00
26.80	3.85	1.23	0.00	29.40	3.85	1.23	0.00
26.85	3.85	1.23	0.00	29.45	3.85	1.23	0.00
26.90	3.85	1.23	0.00	29.50	3.85	1.23	0.00
26.95	3.85	1.23	0.00	29.55	3.85	1.23	0.00
27.00	3.85	1.23	0.00	29.60	3.85	1.23	0.00
27.05	3.85	1.23	0.00	29.65	3.85	1.23	0.00
27.10	3.85	1.23	0.00	29.70	3.85	1.23	0.00
27.15	3.85	1.23	0.00	29.75	3.85	1.23	0.00
27.20	3.85	1.23	0.00	29.80	3.85	1.23	0.00
27.25	3.85	1.23	0.00	29.85	3.85	1.23	0.00
27.30	3.85	1.23	0.00	29.90	3.85	1.23	0.00
27.35	3.85	1.23	0.00	29.95	3.85	1.23	0.00
27.40	3.85	1.23	0.00	30.00	3.85	1.23	0.00
27.45	3.85	1.23	0.00	30.05	3.85	1.23	0.00
27.50	3.85	1.23	0.00	30.10	3.85	1.23	0.00
27.55	3.85	1.23	0.00	30.15	3.85	1.23	0.00
27.60	3.85	1.23	0.00	30.20	3.85	1.23	0.00
27.65	3.85	1.23	0.00	30.25	3.85	1.23	0.00
27.70	3.85	1.23	0.00	30.30	3.85	1.23	0.00
27.75	3.85	1.23	0.00	30.35	3.85	1.23	0.00
27.80	3.85	1.23	0.00	30.40	3.85	1.23	0.00
27.85	3.85	1.23	0.00	30.45	3.85	1.23	0.00
27.90	3.85	1.23	0.00	30.50	3.85	1.23	0.00
27.95	3.85	1.23	0.00	30.55	3.85	1.23	0.00
28.00	3.85	1.23	0.00	30.60	3.85	1.23	0.00
28.05	3.85	1.23	0.00	30.65	3.85	1.23	0.00
28.10	3.85	1.23	0.00	30.70	3.85	1.23	0.00
28.15	3.85	1.23	0.00	30.75	3.85	1.23	0.00
28.20	3.85	1.23	0.00	30.80	3.85	1.23	0.00
28.25	3.85	1.23	0.00	30.85	3.85	1.23	0.00
28.30	3.85	1.23	0.00	30.90	3.85	1.23	0.00
28.35	3.85	1.23	0.00	30.95	3.85	1.23	0.00
28.40	3.85	1.23	0.00	31.00	3.85	1.23	0.00
28.45	3.85	1.23	0.00	31.05	3.85	1.23	0.00
28.50	3.85	1.23	0.00	31.10	3.85	1.23	0.00
28.55	3.85	1.23	0.00	31.15	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.23	0.00	33.80	3.85	1.23	0.00
31.25	3.85	1.23	0.00	33.85	3.85	1.23	0.00
31.30	3.85	1.23	0.00	33.90	3.85	1.23	0.00
31.35	3.85	1.23	0.00	33.95	3.85	1.23	0.00
31.40	3.85	1.23	0.00	34.00	3.85	1.23	0.00
31.45	3.85	1.23	0.00	34.05	3.85	1.23	0.00
31.50	3.85	1.23	0.00	34.10	3.85	1.23	0.00
31.55	3.85	1.23	0.00	34.15	3.85	1.23	0.00
31.60	3.85	1.23	0.00	34.20	3.85	1.23	0.00
31.65	3.85	1.23	0.00	34.25	3.85	1.23	0.00
31.70	3.85	1.23	0.00	34.30	3.85	1.23	0.00
31.75	3.85	1.23	0.00	34.35	3.85	1.23	0.00
31.80	3.85	1.23	0.00	34.40	3.85	1.23	0.00
31.85	3.85	1.23	0.00	34.45	3.85	1.23	0.00
31.90	3.85	1.23	0.00	34.50	3.85	1.23	0.00
31.95	3.85	1.23	0.00	34.55	3.85	1.23	0.00
32.00	3.85	1.23	0.00	34.60	3.85	1.23	0.00
32.05	3.85	1.23	0.00	34.65	3.85	1.23	0.00
32.10	3.85	1.23	0.00	34.70	3.85	1.23	0.00
32.15	3.85	1.23	0.00	34.75	3.85	1.23	0.00
32.20	3.85	1.23	0.00	34.80	3.85	1.23	0.00
32.25	3.85	1.23	0.00	34.85	3.85	1.23	0.00
32.30	3.85	1.23	0.00	34.90	3.85	1.23	0.00
32.35	3.85	1.23	0.00	34.95	3.85	1.23	0.00
32.40	3.85	1.23	0.00	35.00	3.85	1.23	0.00
32.45	3.85	1.23	0.00	35.05	3.85	1.23	0.00
32.50	3.85	1.23	0.00	35.10	3.85	1.23	0.00
32.55	3.85	1.23	0.00	35.15	3.85	1.23	0.00
32.60	3.85	1.23	0.00	35.20	3.85	1.23	0.00
32.65	3.85	1.23	0.00	35.25	3.85	1.23	0.00
32.70	3.85	1.23	0.00	35.30	3.85	1.23	0.00
32.75	3.85	1.23	0.00	35.35	3.85	1.23	0.00
32.80	3.85	1.23	0.00	35.40	3.85	1.23	0.00
32.85	3.85	1.23	0.00	35.45	3.85	1.23	0.00
32.90	3.85	1.23	0.00	35.50	3.85	1.23	0.00
32.95	3.85	1.23	0.00	35.55	3.85	1.23	0.00
33.00	3.85	1.23	0.00	35.60	3.85	1.23	0.00
33.05	3.85	1.23	0.00	35.65	3.85	1.23	0.00
33.10	3.85	1.23	0.00	35.70	3.85	1.23	0.00
33.15	3.85	1.23	0.00	35.75	3.85	1.23	0.00
33.20	3.85	1.23	0.00	35.80	3.85	1.23	0.00
33.25	3.85	1.23	0.00	35.85	3.85	1.23	0.00
33.30	3.85	1.23	0.00	35.90	3.85	1.23	0.00
33.35	3.85	1.23	0.00	35.95	3.85	1.23	0.00
33.40	3.85	1.23	0.00	36.00	3.85	1.23	0.00
33.45	3.85	1.23	0.00	36.05	3.85	1.23	0.00
33.50	3.85	1.23	0.00	36.10	3.85	1.23	0.00
33.55	3.85	1.23	0.00	36.15	3.85	1.23	0.00
33.60	3.85	1.23	0.00	36.20	3.85	1.23	0.00
33.65	3.85	1.23	0.00	36.25	3.85	1.23	0.00
33.70	3.85	1.23	0.00	36.30	3.85	1.23	0.00
33.75	3.85	1.23	0.00	36.35	3.85	1.23	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

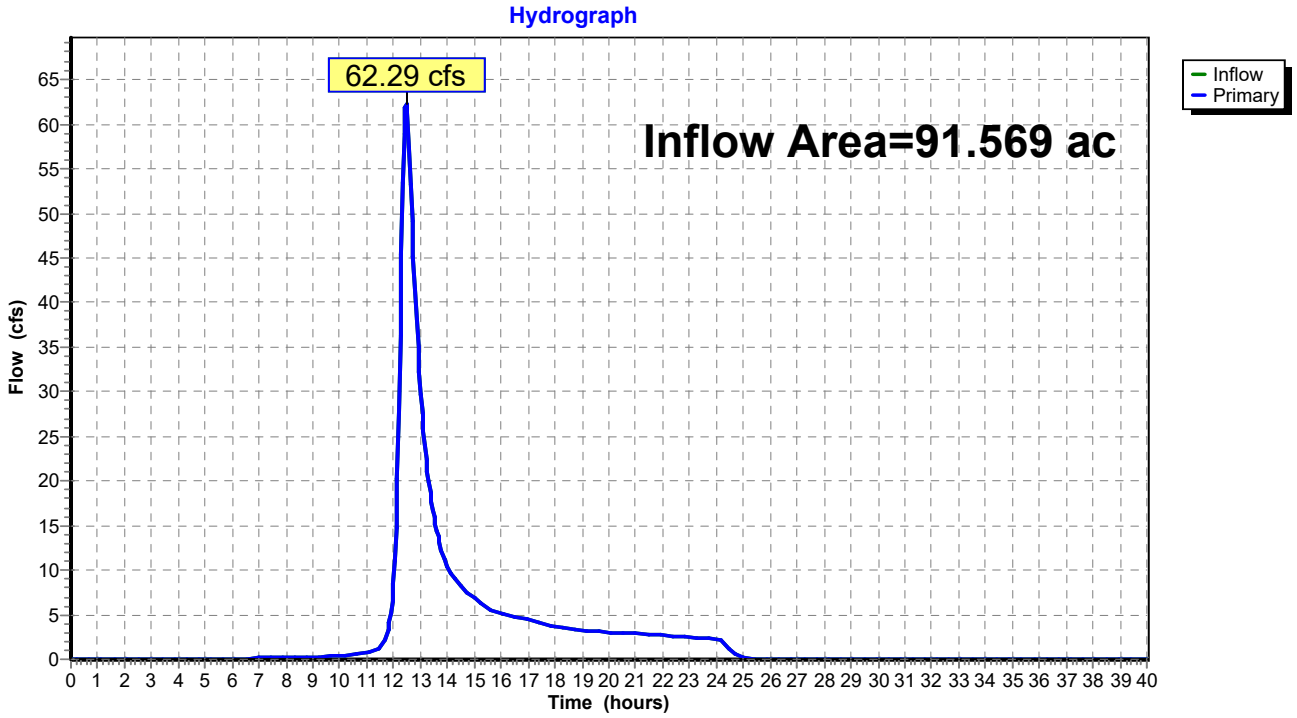
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.23	0.00
36.45	3.85	1.23	0.00
36.50	3.85	1.23	0.00
36.55	3.85	1.23	0.00
36.60	3.85	1.23	0.00
36.65	3.85	1.23	0.00
36.70	3.85	1.23	0.00
36.75	3.85	1.23	0.00
36.80	3.85	1.23	0.00
36.85	3.85	1.23	0.00
36.90	3.85	1.23	0.00
36.95	3.85	1.23	0.00
37.00	3.85	1.23	0.00
37.05	3.85	1.23	0.00
37.10	3.85	1.23	0.00
37.15	3.85	1.23	0.00
37.20	3.85	1.23	0.00
37.25	3.85	1.23	0.00
37.30	3.85	1.23	0.00
37.35	3.85	1.23	0.00
37.40	3.85	1.23	0.00
37.45	3.85	1.23	0.00
37.50	3.85	1.23	0.00
37.55	3.85	1.23	0.00
37.60	3.85	1.23	0.00
37.65	3.85	1.23	0.00
37.70	3.85	1.23	0.00
37.75	3.85	1.23	0.00
37.80	3.85	1.23	0.00
37.85	3.85	1.23	0.00
37.90	3.85	1.23	0.00
37.95	3.85	1.23	0.00
38.00	3.85	1.23	0.00
38.05	3.85	1.23	0.00
38.10	3.85	1.23	0.00
38.15	3.85	1.23	0.00
38.20	3.85	1.23	0.00
38.25	3.85	1.23	0.00
38.30	3.85	1.23	0.00
38.35	3.85	1.23	0.00
38.40	3.85	1.23	0.00
38.45	3.85	1.23	0.00
38.50	3.85	1.23	0.00
38.55	3.85	1.23	0.00
38.60	3.85	1.23	0.00
38.65	3.85	1.23	0.00
38.70	3.85	1.23	0.00
38.75	3.85	1.23	0.00
38.80	3.85	1.23	0.00
38.85	3.85	1.23	0.00
38.90	3.85	1.23	0.00
38.95	3.85	1.23	0.00
39.00	3.85	1.23	0.00
39.05	3.85	1.23	0.00
39.10	3.85	1.23	0.00
39.15	3.85	1.23	0.00
39.20	3.85	1.23	0.00
39.25	3.85	1.23	0.00
39.30	3.85	1.23	0.00
39.35	3.85	1.23	0.00
39.40	3.85	1.23	0.00
39.45	3.85	1.23	0.00
39.50	3.85	1.23	0.00
39.55	3.85	1.23	0.00
39.60	3.85	1.23	0.00
39.65	3.85	1.23	0.00
39.70	3.85	1.23	0.00
39.75	3.85	1.23	0.00
39.80	3.85	1.23	0.00
39.85	3.85	1.23	0.00
39.90	3.85	1.23	0.00
39.95	3.85	1.23	0.00
40.00	3.85	1.23	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 1.12" for Future 2 yr event
Inflow = 62.29 cfs @ 12.48 hrs, Volume= 8.535 af
Primary = 62.29 cfs @ 12.48 hrs, Volume= 8.535 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.01	0.00	0.01
1.80	0.00	0.00	0.00	4.40	0.01	0.00	0.01
1.85	0.00	0.00	0.00	4.45	0.01	0.00	0.01
1.90	0.00	0.00	0.00	4.50	0.01	0.00	0.01
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.02	0.00	0.02
2.15	0.00	0.00	0.00	4.75	0.02	0.00	0.02
2.20	0.00	0.00	0.00	4.80	0.02	0.00	0.02
2.25	0.00	0.00	0.00	4.85	0.02	0.00	0.02
2.30	0.00	0.00	0.00	4.90	0.02	0.00	0.02
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.03	0.00	0.03
2.45	0.00	0.00	0.00	5.05	0.03	0.00	0.03
2.50	0.00	0.00	0.00	5.10	0.03	0.00	0.03
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.15	0.00	0.15
5.25	0.03	0.00	0.03	7.85	0.16	0.00	0.16
5.30	0.04	0.00	0.04	7.90	0.16	0.00	0.16
5.35	0.04	0.00	0.04	7.95	0.16	0.00	0.16
5.40	0.04	0.00	0.04	8.00	0.17	0.00	0.17
5.45	0.04	0.00	0.04	8.05	0.17	0.00	0.17
5.50	0.04	0.00	0.04	8.10	0.17	0.00	0.17
5.55	0.04	0.00	0.04	8.15	0.18	0.00	0.18
5.60	0.05	0.00	0.05	8.20	0.18	0.00	0.18
5.65	0.05	0.00	0.05	8.25	0.18	0.00	0.18
5.70	0.05	0.00	0.05	8.30	0.19	0.00	0.19
5.75	0.05	0.00	0.05	8.35	0.19	0.00	0.19
5.80	0.05	0.00	0.05	8.40	0.19	0.00	0.19
5.85	0.05	0.00	0.05	8.45	0.20	0.00	0.20
5.90	0.06	0.00	0.06	8.50	0.20	0.00	0.20
5.95	0.06	0.00	0.06	8.55	0.21	0.00	0.21
6.00	0.06	0.00	0.06	8.60	0.21	0.00	0.21
6.05	0.06	0.00	0.06	8.65	0.21	0.00	0.21
6.10	0.06	0.00	0.06	8.70	0.22	0.00	0.22
6.15	0.06	0.00	0.06	8.75	0.22	0.00	0.22
6.20	0.07	0.00	0.07	8.80	0.22	0.00	0.22
6.25	0.07	0.00	0.07	8.85	0.23	0.00	0.23
6.30	0.07	0.00	0.07	8.90	0.23	0.00	0.23
6.35	0.07	0.00	0.07	8.95	0.24	0.00	0.24
6.40	0.07	0.00	0.07	9.00	0.24	0.00	0.24
6.45	0.08	0.00	0.08	9.05	0.24	0.00	0.24
6.50	0.08	0.00	0.08	9.10	0.25	0.00	0.25
6.55	0.08	0.00	0.08	9.15	0.25	0.00	0.25
6.60	0.08	0.00	0.08	9.20	0.26	0.00	0.26
6.65	0.08	0.00	0.08	9.25	0.26	0.00	0.26
6.70	0.09	0.00	0.09	9.30	0.27	0.00	0.27
6.75	0.09	0.00	0.09	9.35	0.27	0.00	0.27
6.80	0.09	0.00	0.09	9.40	0.28	0.00	0.28
6.85	0.09	0.00	0.09	9.45	0.29	0.00	0.29
6.90	0.10	0.00	0.10	9.50	0.30	0.00	0.30
6.95	0.10	0.00	0.10	9.55	0.30	0.00	0.30
7.00	0.10	0.00	0.10	9.60	0.31	0.00	0.31
7.05	0.11	0.00	0.11	9.65	0.32	0.00	0.32
7.10	0.11	0.00	0.11	9.70	0.33	0.00	0.33
7.15	0.11	0.00	0.11	9.75	0.34	0.00	0.34
7.20	0.11	0.00	0.11	9.80	0.35	0.00	0.35
7.25	0.12	0.00	0.12	9.85	0.36	0.00	0.36
7.30	0.12	0.00	0.12	9.90	0.37	0.00	0.37
7.35	0.12	0.00	0.12	9.95	0.38	0.00	0.38
7.40	0.13	0.00	0.13	10.00	0.40	0.00	0.40
7.45	0.13	0.00	0.13	10.05	0.41	0.00	0.41
7.50	0.13	0.00	0.13	10.10	0.42	0.00	0.42
7.55	0.14	0.00	0.14	10.15	0.43	0.00	0.43
7.60	0.14	0.00	0.14	10.20	0.44	0.00	0.44
7.65	0.14	0.00	0.14	10.25	0.45	0.00	0.45
7.70	0.15	0.00	0.15	10.30	0.47	0.00	0.47
7.75	0.15	0.00	0.15	10.35	0.48	0.00	0.48

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.49	0.00	0.49	13.00	29.75	0.00	29.75
10.45	0.50	0.00	0.50	13.05	27.54	0.00	27.54
10.50	0.51	0.00	0.51	13.10	25.61	0.00	25.61
10.55	0.53	0.00	0.53	13.15	23.93	0.00	23.93
10.60	0.54	0.00	0.54	13.20	22.43	0.00	22.43
10.65	0.55	0.00	0.55	13.25	21.07	0.00	21.07
10.70	0.57	0.00	0.57	13.30	19.85	0.00	19.85
10.75	0.59	0.00	0.59	13.35	18.74	0.00	18.74
10.80	0.61	0.00	0.61	13.40	17.71	0.00	17.71
10.85	0.63	0.00	0.63	13.45	16.78	0.00	16.78
10.90	0.66	0.00	0.66	13.50	15.94	0.00	15.94
10.95	0.69	0.00	0.69	13.55	15.16	0.00	15.16
11.00	0.72	0.00	0.72	13.60	14.44	0.00	14.44
11.05	0.75	0.00	0.75	13.65	13.78	0.00	13.78
11.10	0.79	0.00	0.79	13.70	13.14	0.00	13.14
11.15	0.83	0.00	0.83	13.75	12.54	0.00	12.54
11.20	0.87	0.00	0.87	13.80	11.97	0.00	11.97
11.25	0.92	0.00	0.92	13.85	11.46	0.00	11.46
11.30	0.97	0.00	0.97	13.90	11.00	0.00	11.00
11.35	1.03	0.00	1.03	13.95	10.60	0.00	10.60
11.40	1.10	0.00	1.10	14.00	10.25	0.00	10.25
11.45	1.18	0.00	1.18	14.05	9.95	0.00	9.95
11.50	1.29	0.00	1.29	14.10	9.67	0.00	9.67
11.55	1.42	0.00	1.42	14.15	9.44	0.00	9.44
11.60	1.61	0.00	1.61	14.20	9.23	0.00	9.23
11.65	1.87	0.00	1.87	14.25	9.04	0.00	9.04
11.70	2.22	0.00	2.22	14.30	8.86	0.00	8.86
11.75	2.69	0.00	2.69	14.35	8.70	0.00	8.70
11.80	3.32	0.00	3.32	14.40	8.54	0.00	8.54
11.85	4.12	0.00	4.12	14.45	8.39	0.00	8.39
11.90	5.17	0.00	5.17	14.50	8.24	0.00	8.24
11.95	6.53	0.00	6.53	14.55	8.11	0.00	8.11
12.00	8.38	0.00	8.38	14.60	7.97	0.00	7.97
12.05	10.99	0.00	10.99	14.65	7.83	0.00	7.83
12.10	14.81	0.00	14.81	14.70	7.69	0.00	7.69
12.15	20.34	0.00	20.34	14.75	7.56	0.00	7.56
12.20	27.71	0.00	27.71	14.80	7.43	0.00	7.43
12.25	36.43	0.00	36.43	14.85	7.29	0.00	7.29
12.30	45.49	0.00	45.49	14.90	7.16	0.00	7.16
12.35	53.48	0.00	53.48	14.95	7.03	0.00	7.03
12.40	58.96	0.00	58.96	15.00	6.90	0.00	6.90
12.45	61.82	0.00	61.82	15.05	6.76	0.00	6.76
12.50	**62.19**	0.00	**62.19**	15.10	6.63	0.00	6.63
12.55	60.48	0.00	60.48	15.15	6.49	0.00	6.49
12.60	57.35	0.00	57.35	15.20	6.36	0.00	6.36
12.65	53.36	0.00	53.36	15.25	6.23	0.00	6.23
12.70	49.08	0.00	49.08	15.30	6.10	0.00	6.10
12.75	45.14	0.00	45.14	15.35	5.98	0.00	5.98
12.80	41.50	0.00	41.50	15.40	5.87	0.00	5.87
12.85	38.13	0.00	38.13	15.45	5.77	0.00	5.77
12.90	35.02	0.00	35.02	15.50	5.68	0.00	5.68
12.95	32.21	0.00	32.21	15.55	5.61	0.00	5.61

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.54	0.00	5.54	18.20	3.56	0.00	3.56
15.65	5.47	0.00	5.47	18.25	3.52	0.00	3.52
15.70	5.42	0.00	5.42	18.30	3.48	0.00	3.48
15.75	5.37	0.00	5.37	18.35	3.45	0.00	3.45
15.80	5.32	0.00	5.32	18.40	3.42	0.00	3.42
15.85	5.28	0.00	5.28	18.45	3.39	0.00	3.39
15.90	5.24	0.00	5.24	18.50	3.37	0.00	3.37
15.95	5.20	0.00	5.20	18.55	3.34	0.00	3.34
16.00	5.15	0.00	5.15	18.60	3.32	0.00	3.32
16.05	5.12	0.00	5.12	18.65	3.31	0.00	3.31
16.10	5.08	0.00	5.08	18.70	3.29	0.00	3.29
16.15	5.04	0.00	5.04	18.75	3.28	0.00	3.28
16.20	5.01	0.00	5.01	18.80	3.27	0.00	3.27
16.25	4.97	0.00	4.97	18.85	3.26	0.00	3.26
16.30	4.94	0.00	4.94	18.90	3.24	0.00	3.24
16.35	4.90	0.00	4.90	18.95	3.23	0.00	3.23
16.40	4.87	0.00	4.87	19.00	3.22	0.00	3.22
16.45	4.84	0.00	4.84	19.05	3.21	0.00	3.21
16.50	4.80	0.00	4.80	19.10	3.20	0.00	3.20
16.55	4.76	0.00	4.76	19.15	3.19	0.00	3.19
16.60	4.73	0.00	4.73	19.20	3.19	0.00	3.19
16.65	4.69	0.00	4.69	19.25	3.18	0.00	3.18
16.70	4.66	0.00	4.66	19.30	3.17	0.00	3.17
16.75	4.62	0.00	4.62	19.35	3.16	0.00	3.16
16.80	4.59	0.00	4.59	19.40	3.15	0.00	3.15
16.85	4.55	0.00	4.55	19.45	3.14	0.00	3.14
16.90	4.52	0.00	4.52	19.50	3.13	0.00	3.13
16.95	4.48	0.00	4.48	19.55	3.13	0.00	3.13
17.00	4.44	0.00	4.44	19.60	3.12	0.00	3.12
17.05	4.41	0.00	4.41	19.65	3.11	0.00	3.11
17.10	4.37	0.00	4.37	19.70	3.10	0.00	3.10
17.15	4.34	0.00	4.34	19.75	3.09	0.00	3.09
17.20	4.30	0.00	4.30	19.80	3.08	0.00	3.08
17.25	4.26	0.00	4.26	19.85	3.07	0.00	3.07
17.30	4.23	0.00	4.23	19.90	3.07	0.00	3.07
17.35	4.19	0.00	4.19	19.95	3.06	0.00	3.06
17.40	4.16	0.00	4.16	20.00	3.05	0.00	3.05
17.45	4.12	0.00	4.12	20.05	3.04	0.00	3.04
17.50	4.08	0.00	4.08	20.10	3.03	0.00	3.03
17.55	4.04	0.00	4.04	20.15	3.02	0.00	3.02
17.60	4.01	0.00	4.01	20.20	3.01	0.00	3.01
17.65	3.97	0.00	3.97	20.25	3.01	0.00	3.01
17.70	3.93	0.00	3.93	20.30	3.00	0.00	3.00
17.75	3.89	0.00	3.89	20.35	2.99	0.00	2.99
17.80	3.86	0.00	3.86	20.40	2.98	0.00	2.98
17.85	3.82	0.00	3.82	20.45	2.97	0.00	2.97
17.90	3.78	0.00	3.78	20.50	2.96	0.00	2.96
17.95	3.75	0.00	3.75	20.55	2.95	0.00	2.95
18.00	3.71	0.00	3.71	20.60	2.94	0.00	2.94
18.05	3.67	0.00	3.67	20.65	2.93	0.00	2.93
18.10	3.63	0.00	3.63	20.70	2.92	0.00	2.92
18.15	3.60	0.00	3.60	20.75	2.91	0.00	2.91

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.91	0.00	2.91	23.40	2.41	0.00	2.41
20.85	2.90	0.00	2.90	23.45	2.40	0.00	2.40
20.90	2.89	0.00	2.89	23.50	2.39	0.00	2.39
20.95	2.88	0.00	2.88	23.55	2.38	0.00	2.38
21.00	2.87	0.00	2.87	23.60	2.37	0.00	2.37
21.05	2.86	0.00	2.86	23.65	2.37	0.00	2.37
21.10	2.85	0.00	2.85	23.70	2.36	0.00	2.36
21.15	2.84	0.00	2.84	23.75	2.35	0.00	2.35
21.20	2.83	0.00	2.83	23.80	2.34	0.00	2.34
21.25	2.82	0.00	2.82	23.85	2.33	0.00	2.33
21.30	2.81	0.00	2.81	23.90	2.32	0.00	2.32
21.35	2.80	0.00	2.80	23.95	2.31	0.00	2.31
21.40	2.79	0.00	2.79	24.00	2.30	0.00	2.30
21.45	2.79	0.00	2.79	24.05	2.30	0.00	2.30
21.50	2.78	0.00	2.78	24.10	2.29	0.00	2.29
21.55	2.77	0.00	2.77	24.15	2.26	0.00	2.26
21.60	2.76	0.00	2.76	24.20	2.21	0.00	2.21
21.65	2.75	0.00	2.75	24.25	2.09	0.00	2.09
21.70	2.74	0.00	2.74	24.30	1.92	0.00	1.92
21.75	2.73	0.00	2.73	24.35	1.70	0.00	1.70
21.80	2.72	0.00	2.72	24.40	1.45	0.00	1.45
21.85	2.71	0.00	2.71	24.45	1.21	0.00	1.21
21.90	2.70	0.00	2.70	24.50	0.98	0.00	0.98
21.95	2.69	0.00	2.69	24.55	0.78	0.00	0.78
22.00	2.68	0.00	2.68	24.60	0.61	0.00	0.61
22.05	2.67	0.00	2.67	24.65	0.48	0.00	0.48
22.10	2.67	0.00	2.67	24.70	0.38	0.00	0.38
22.15	2.66	0.00	2.66	24.75	0.30	0.00	0.30
22.20	2.65	0.00	2.65	24.80	0.24	0.00	0.24
22.25	2.64	0.00	2.64	24.85	0.19	0.00	0.19
22.30	2.63	0.00	2.63	24.90	0.15	0.00	0.15
22.35	2.62	0.00	2.62	24.95	0.12	0.00	0.12
22.40	2.61	0.00	2.61	25.00	0.09	0.00	0.09
22.45	2.60	0.00	2.60	25.05	0.07	0.00	0.07
22.50	2.59	0.00	2.59	25.10	0.06	0.00	0.06
22.55	2.58	0.00	2.58	25.15	0.05	0.00	0.05
22.60	2.57	0.00	2.57	25.20	0.04	0.00	0.04
22.65	2.56	0.00	2.56	25.25	0.03	0.00	0.03
22.70	2.55	0.00	2.55	25.30	0.02	0.00	0.02
22.75	2.54	0.00	2.54	25.35	0.02	0.00	0.02
22.80	2.53	0.00	2.53	25.40	0.01	0.00	0.01
22.85	2.52	0.00	2.52	25.45	0.01	0.00	0.01
22.90	2.51	0.00	2.51	25.50	0.01	0.00	0.01
22.95	2.50	0.00	2.50	25.55	0.00	0.00	0.00
23.00	2.49	0.00	2.49	25.60	0.00	0.00	0.00
23.05	2.48	0.00	2.48	25.65	0.00	0.00	0.00
23.10	2.47	0.00	2.47	25.70	0.00	0.00	0.00
23.15	2.46	0.00	2.46	25.75	0.00	0.00	0.00
23.20	2.45	0.00	2.45	25.80	0.00	0.00	0.00
23.25	2.44	0.00	2.44	25.85	0.00	0.00	0.00
23.30	2.43	0.00	2.43	25.90	0.00	0.00	0.00
23.35	2.43	0.00	2.43	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

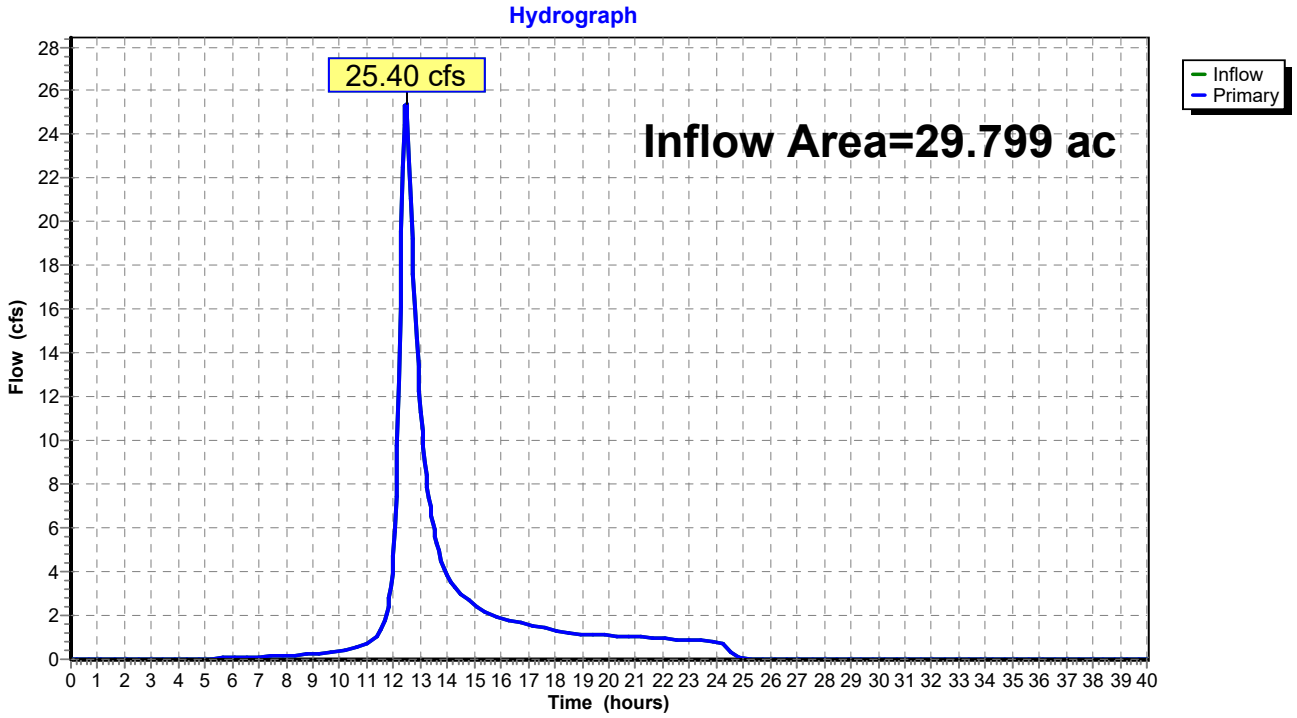
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.37" for Future 2 yr event
Inflow = 25.40 cfs @ 12.47 hrs, Volume= 3.401 af
Primary = 25.40 cfs @ 12.47 hrs, Volume= 3.401 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.01	0.00	0.01
1.80	0.00	0.00	0.00	4.40	0.01	0.00	0.01
1.85	0.00	0.00	0.00	4.45	0.01	0.00	0.01
1.90	0.00	0.00	0.00	4.50	0.01	0.00	0.01
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.02	0.00	0.02
2.15	0.00	0.00	0.00	4.75	0.02	0.00	0.02
2.20	0.00	0.00	0.00	4.80	0.02	0.00	0.02
2.25	0.00	0.00	0.00	4.85	0.02	0.00	0.02
2.30	0.00	0.00	0.00	4.90	0.02	0.00	0.02
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.03	0.00	0.03
2.45	0.00	0.00	0.00	5.05	0.03	0.00	0.03
2.50	0.00	0.00	0.00	5.10	0.03	0.00	0.03
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.15	0.00	0.15
5.25	0.03	0.00	0.03	7.85	0.16	0.00	0.16
5.30	0.04	0.00	0.04	7.90	0.16	0.00	0.16
5.35	0.04	0.00	0.04	7.95	0.16	0.00	0.16
5.40	0.04	0.00	0.04	8.00	0.17	0.00	0.17
5.45	0.04	0.00	0.04	8.05	0.17	0.00	0.17
5.50	0.04	0.00	0.04	8.10	0.17	0.00	0.17
5.55	0.04	0.00	0.04	8.15	0.18	0.00	0.18
5.60	0.05	0.00	0.05	8.20	0.18	0.00	0.18
5.65	0.05	0.00	0.05	8.25	0.18	0.00	0.18
5.70	0.05	0.00	0.05	8.30	0.19	0.00	0.19
5.75	0.05	0.00	0.05	8.35	0.19	0.00	0.19
5.80	0.05	0.00	0.05	8.40	0.19	0.00	0.19
5.85	0.05	0.00	0.05	8.45	0.20	0.00	0.20
5.90	0.06	0.00	0.06	8.50	0.20	0.00	0.20
5.95	0.06	0.00	0.06	8.55	0.21	0.00	0.21
6.00	0.06	0.00	0.06	8.60	0.21	0.00	0.21
6.05	0.06	0.00	0.06	8.65	0.21	0.00	0.21
6.10	0.06	0.00	0.06	8.70	0.22	0.00	0.22
6.15	0.06	0.00	0.06	8.75	0.22	0.00	0.22
6.20	0.07	0.00	0.07	8.80	0.22	0.00	0.22
6.25	0.07	0.00	0.07	8.85	0.23	0.00	0.23
6.30	0.07	0.00	0.07	8.90	0.23	0.00	0.23
6.35	0.07	0.00	0.07	8.95	0.24	0.00	0.24
6.40	0.07	0.00	0.07	9.00	0.24	0.00	0.24
6.45	0.08	0.00	0.08	9.05	0.24	0.00	0.24
6.50	0.08	0.00	0.08	9.10	0.25	0.00	0.25
6.55	0.08	0.00	0.08	9.15	0.25	0.00	0.25
6.60	0.08	0.00	0.08	9.20	0.26	0.00	0.26
6.65	0.08	0.00	0.08	9.25	0.26	0.00	0.26
6.70	0.09	0.00	0.09	9.30	0.27	0.00	0.27
6.75	0.09	0.00	0.09	9.35	0.27	0.00	0.27
6.80	0.09	0.00	0.09	9.40	0.28	0.00	0.28
6.85	0.09	0.00	0.09	9.45	0.29	0.00	0.29
6.90	0.10	0.00	0.10	9.50	0.30	0.00	0.30
6.95	0.10	0.00	0.10	9.55	0.30	0.00	0.30
7.00	0.10	0.00	0.10	9.60	0.31	0.00	0.31
7.05	0.11	0.00	0.11	9.65	0.32	0.00	0.32
7.10	0.11	0.00	0.11	9.70	0.33	0.00	0.33
7.15	0.11	0.00	0.11	9.75	0.34	0.00	0.34
7.20	0.11	0.00	0.11	9.80	0.35	0.00	0.35
7.25	0.12	0.00	0.12	9.85	0.36	0.00	0.36
7.30	0.12	0.00	0.12	9.90	0.37	0.00	0.37
7.35	0.12	0.00	0.12	9.95	0.38	0.00	0.38
7.40	0.13	0.00	0.13	10.00	0.40	0.00	0.40
7.45	0.13	0.00	0.13	10.05	0.41	0.00	0.41
7.50	0.13	0.00	0.13	10.10	0.42	0.00	0.42
7.55	0.14	0.00	0.14	10.15	0.43	0.00	0.43
7.60	0.14	0.00	0.14	10.20	0.44	0.00	0.44
7.65	0.14	0.00	0.14	10.25	0.45	0.00	0.45
7.70	0.15	0.00	0.15	10.30	0.47	0.00	0.47
7.75	0.15	0.00	0.15	10.35	0.48	0.00	0.48

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.49	0.00	0.49	13.00	11.31	0.00	11.31
10.45	0.50	0.00	0.50	13.05	10.43	0.00	10.43
10.50	0.51	0.00	0.51	13.10	9.66	0.00	9.66
10.55	0.53	0.00	0.53	13.15	9.00	0.00	9.00
10.60	0.54	0.00	0.54	13.20	8.41	0.00	8.41
10.65	0.55	0.00	0.55	13.25	7.87	0.00	7.87
10.70	0.57	0.00	0.57	13.30	7.40	0.00	7.40
10.75	0.59	0.00	0.59	13.35	6.97	0.00	6.97
10.80	0.61	0.00	0.61	13.40	6.57	0.00	6.57
10.85	0.63	0.00	0.63	13.45	6.21	0.00	6.21
10.90	0.66	0.00	0.66	13.50	5.89	0.00	5.89
10.95	0.69	0.00	0.69	13.55	5.59	0.00	5.59
11.00	0.72	0.00	0.72	13.60	5.32	0.00	5.32
11.05	0.75	0.00	0.75	13.65	5.07	0.00	5.07
11.10	0.79	0.00	0.79	13.70	4.83	0.00	4.83
11.15	0.83	0.00	0.83	13.75	4.60	0.00	4.60
11.20	0.87	0.00	0.87	13.80	4.39	0.00	4.39
11.25	0.92	0.00	0.92	13.85	4.19	0.00	4.19
11.30	0.97	0.00	0.97	13.90	4.02	0.00	4.02
11.35	1.03	0.00	1.03	13.95	3.87	0.00	3.87
11.40	1.10	0.00	1.10	14.00	3.74	0.00	3.74
11.45	1.17	0.00	1.17	14.05	3.63	0.00	3.63
11.50	1.26	0.00	1.26	14.10	3.53	0.00	3.53
11.55	1.37	0.00	1.37	14.15	3.44	0.00	3.44
11.60	1.50	0.00	1.50	14.20	3.36	0.00	3.36
11.65	1.66	0.00	1.66	14.25	3.29	0.00	3.29
11.70	1.86	0.00	1.86	14.30	3.22	0.00	3.22
11.75	2.11	0.00	2.11	14.35	3.16	0.00	3.16
11.80	2.43	0.00	2.43	14.40	3.10	0.00	3.10
11.85	2.83	0.00	2.83	14.45	3.05	0.00	3.05
11.90	3.32	0.00	3.32	14.50	2.99	0.00	2.99
11.95	3.94	0.00	3.94	14.55	2.94	0.00	2.94
12.00	4.76	0.00	4.76	14.60	2.89	0.00	2.89
12.05	5.89	0.00	5.89	14.65	2.84	0.00	2.84
12.10	7.49	0.00	7.49	14.70	2.79	0.00	2.79
12.15	9.74	0.00	9.74	14.75	2.74	0.00	2.74
12.20	12.69	0.00	12.69	14.80	2.69	0.00	2.69
12.25	16.10	0.00	16.10	14.85	2.64	0.00	2.64
12.30	19.58	0.00	19.58	14.90	2.59	0.00	2.59
12.35	22.54	0.00	22.54	14.95	2.54	0.00	2.54
12.40	24.46	0.00	24.46	15.00	2.49	0.00	2.49
12.45	**25.33**	0.00	**25.33**	15.05	2.45	0.00	2.45
12.50	25.20	0.00	25.20	15.10	2.40	0.00	2.40
12.55	24.28	0.00	24.28	15.15	2.35	0.00	2.35
12.60	22.82	0.00	22.82	15.20	2.30	0.00	2.30
12.65	21.06	0.00	21.06	15.25	2.25	0.00	2.25
12.70	19.24	0.00	19.24	15.30	2.20	0.00	2.20
12.75	17.59	0.00	17.59	15.35	2.16	0.00	2.16
12.80	16.08	0.00	16.08	15.40	2.12	0.00	2.12
12.85	14.69	0.00	14.69	15.45	2.08	0.00	2.08
12.90	13.43	0.00	13.43	15.50	2.05	0.00	2.05
12.95	12.30	0.00	12.30	15.55	2.02	0.00	2.02

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.00	0.00	2.00	18.20	1.27	0.00	1.27
15.65	1.97	0.00	1.97	18.25	1.26	0.00	1.26
15.70	1.95	0.00	1.95	18.30	1.24	0.00	1.24
15.75	1.94	0.00	1.94	18.35	1.23	0.00	1.23
15.80	1.92	0.00	1.92	18.40	1.22	0.00	1.22
15.85	1.90	0.00	1.90	18.45	1.21	0.00	1.21
15.90	1.89	0.00	1.89	18.50	1.20	0.00	1.20
15.95	1.87	0.00	1.87	18.55	1.19	0.00	1.19
16.00	1.86	0.00	1.86	18.60	1.19	0.00	1.19
16.05	1.84	0.00	1.84	18.65	1.18	0.00	1.18
16.10	1.83	0.00	1.83	18.70	1.18	0.00	1.18
16.15	1.81	0.00	1.81	18.75	1.17	0.00	1.17
16.20	1.80	0.00	1.80	18.80	1.17	0.00	1.17
16.25	1.79	0.00	1.79	18.85	1.16	0.00	1.16
16.30	1.78	0.00	1.78	18.90	1.16	0.00	1.16
16.35	1.76	0.00	1.76	18.95	1.15	0.00	1.15
16.40	1.75	0.00	1.75	19.00	1.15	0.00	1.15
16.45	1.74	0.00	1.74	19.05	1.15	0.00	1.15
16.50	1.72	0.00	1.72	19.10	1.14	0.00	1.14
16.55	1.71	0.00	1.71	19.15	1.14	0.00	1.14
16.60	1.70	0.00	1.70	19.20	1.14	0.00	1.14
16.65	1.68	0.00	1.68	19.25	1.13	0.00	1.13
16.70	1.67	0.00	1.67	19.30	1.13	0.00	1.13
16.75	1.66	0.00	1.66	19.35	1.13	0.00	1.13
16.80	1.65	0.00	1.65	19.40	1.12	0.00	1.12
16.85	1.63	0.00	1.63	19.45	1.12	0.00	1.12
16.90	1.62	0.00	1.62	19.50	1.12	0.00	1.12
16.95	1.61	0.00	1.61	19.55	1.11	0.00	1.11
17.00	1.59	0.00	1.59	19.60	1.11	0.00	1.11
17.05	1.58	0.00	1.58	19.65	1.11	0.00	1.11
17.10	1.57	0.00	1.57	19.70	1.10	0.00	1.10
17.15	1.55	0.00	1.55	19.75	1.10	0.00	1.10
17.20	1.54	0.00	1.54	19.80	1.10	0.00	1.10
17.25	1.53	0.00	1.53	19.85	1.09	0.00	1.09
17.30	1.52	0.00	1.52	19.90	1.09	0.00	1.09
17.35	1.50	0.00	1.50	19.95	1.09	0.00	1.09
17.40	1.49	0.00	1.49	20.00	1.08	0.00	1.08
17.45	1.47	0.00	1.47	20.05	1.08	0.00	1.08
17.50	1.46	0.00	1.46	20.10	1.08	0.00	1.08
17.55	1.45	0.00	1.45	20.15	1.08	0.00	1.08
17.60	1.43	0.00	1.43	20.20	1.07	0.00	1.07
17.65	1.42	0.00	1.42	20.25	1.07	0.00	1.07
17.70	1.41	0.00	1.41	20.30	1.07	0.00	1.07
17.75	1.39	0.00	1.39	20.35	1.06	0.00	1.06
17.80	1.38	0.00	1.38	20.40	1.06	0.00	1.06
17.85	1.37	0.00	1.37	20.45	1.06	0.00	1.06
17.90	1.35	0.00	1.35	20.50	1.05	0.00	1.05
17.95	1.34	0.00	1.34	20.55	1.05	0.00	1.05
18.00	1.33	0.00	1.33	20.60	1.05	0.00	1.05
18.05	1.31	0.00	1.31	20.65	1.04	0.00	1.04
18.10	1.30	0.00	1.30	20.70	1.04	0.00	1.04
18.15	1.28	0.00	1.28	20.75	1.04	0.00	1.04

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.03	0.00	1.03	23.40	0.85	0.00	0.85
20.85	1.03	0.00	1.03	23.45	0.85	0.00	0.85
20.90	1.03	0.00	1.03	23.50	0.85	0.00	0.85
20.95	1.02	0.00	1.02	23.55	0.84	0.00	0.84
21.00	1.02	0.00	1.02	23.60	0.84	0.00	0.84
21.05	1.02	0.00	1.02	23.65	0.84	0.00	0.84
21.10	1.01	0.00	1.01	23.70	0.83	0.00	0.83
21.15	1.01	0.00	1.01	23.75	0.83	0.00	0.83
21.20	1.01	0.00	1.01	23.80	0.83	0.00	0.83
21.25	1.00	0.00	1.00	23.85	0.82	0.00	0.82
21.30	1.00	0.00	1.00	23.90	0.82	0.00	0.82
21.35	0.99	0.00	0.99	23.95	0.82	0.00	0.82
21.40	0.99	0.00	0.99	24.00	0.81	0.00	0.81
21.45	0.99	0.00	0.99	24.05	0.81	0.00	0.81
21.50	0.99	0.00	0.99	24.10	0.81	0.00	0.81
21.55	0.98	0.00	0.98	24.15	0.80	0.00	0.80
21.60	0.98	0.00	0.98	24.20	0.78	0.00	0.78
21.65	0.98	0.00	0.98	24.25	0.74	0.00	0.74
21.70	0.97	0.00	0.97	24.30	0.68	0.00	0.68
21.75	0.97	0.00	0.97	24.35	0.60	0.00	0.60
21.80	0.97	0.00	0.97	24.40	0.51	0.00	0.51
21.85	0.96	0.00	0.96	24.45	0.43	0.00	0.43
21.90	0.96	0.00	0.96	24.50	0.35	0.00	0.35
21.95	0.96	0.00	0.96	24.55	0.28	0.00	0.28
22.00	0.95	0.00	0.95	24.60	0.22	0.00	0.22
22.05	0.95	0.00	0.95	24.65	0.17	0.00	0.17
22.10	0.95	0.00	0.95	24.70	0.14	0.00	0.14
22.15	0.94	0.00	0.94	24.75	0.11	0.00	0.11
22.20	0.94	0.00	0.94	24.80	0.09	0.00	0.09
22.25	0.93	0.00	0.93	24.85	0.07	0.00	0.07
22.30	0.93	0.00	0.93	24.90	0.05	0.00	0.05
22.35	0.93	0.00	0.93	24.95	0.04	0.00	0.04
22.40	0.92	0.00	0.92	25.00	0.03	0.00	0.03
22.45	0.92	0.00	0.92	25.05	0.03	0.00	0.03
22.50	0.92	0.00	0.92	25.10	0.02	0.00	0.02
22.55	0.91	0.00	0.91	25.15	0.02	0.00	0.02
22.60	0.91	0.00	0.91	25.20	0.01	0.00	0.01
22.65	0.91	0.00	0.91	25.25	0.01	0.00	0.01
22.70	0.90	0.00	0.90	25.30	0.01	0.00	0.01
22.75	0.90	0.00	0.90	25.35	0.01	0.00	0.01
22.80	0.90	0.00	0.90	25.40	0.00	0.00	0.00
22.85	0.89	0.00	0.89	25.45	0.00	0.00	0.00
22.90	0.89	0.00	0.89	25.50	0.00	0.00	0.00
22.95	0.89	0.00	0.89	25.55	0.00	0.00	0.00
23.00	0.88	0.00	0.88	25.60	0.00	0.00	0.00
23.05	0.88	0.00	0.88	25.65	0.00	0.00	0.00
23.10	0.88	0.00	0.88	25.70	0.00	0.00	0.00
23.15	0.87	0.00	0.87	25.75	0.00	0.00	0.00
23.20	0.87	0.00	0.87	25.80	0.00	0.00	0.00
23.25	0.87	0.00	0.87	25.85	0.00	0.00	0.00
23.30	0.86	0.00	0.86	25.90	0.00	0.00	0.00
23.35	0.86	0.00	0.86	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

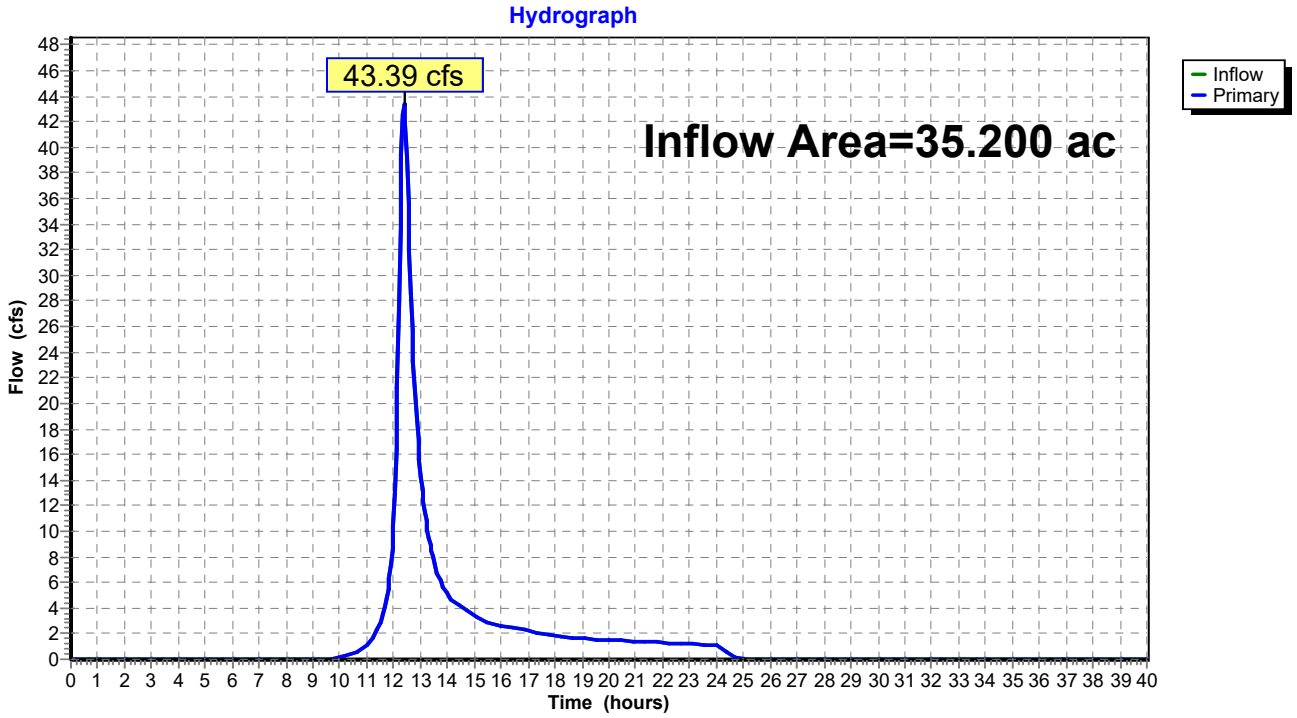
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 1.70" for Future 2 yr event
Inflow = 43.39 cfs @ 12.39 hrs, Volume= 4.974 af
Primary = 43.39 cfs @ 12.39 hrs, Volume= 4.974 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.01	0.00	0.01
7.00	0.00	0.00	0.00	9.60	0.01	0.00	0.01
7.05	0.00	0.00	0.00	9.65	0.02	0.00	0.02
7.10	0.00	0.00	0.00	9.70	0.03	0.00	0.03
7.15	0.00	0.00	0.00	9.75	0.05	0.00	0.05
7.20	0.00	0.00	0.00	9.80	0.06	0.00	0.06
7.25	0.00	0.00	0.00	9.85	0.08	0.00	0.08
7.30	0.00	0.00	0.00	9.90	0.10	0.00	0.10
7.35	0.00	0.00	0.00	9.95	0.12	0.00	0.12
7.40	0.00	0.00	0.00	10.00	0.15	0.00	0.15
7.45	0.00	0.00	0.00	10.05	0.18	0.00	0.18
7.50	0.00	0.00	0.00	10.10	0.20	0.00	0.20
7.55	0.00	0.00	0.00	10.15	0.23	0.00	0.23
7.60	0.00	0.00	0.00	10.20	0.26	0.00	0.26
7.65	0.00	0.00	0.00	10.25	0.30	0.00	0.30
7.70	0.00	0.00	0.00	10.30	0.33	0.00	0.33
7.75	0.00	0.00	0.00	10.35	0.36	0.00	0.36

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.40	0.00	0.40	13.00	14.28	0.00	14.28
10.45	0.44	0.00	0.44	13.05	13.20	0.00	13.20
10.50	0.48	0.00	0.48	13.10	12.29	0.00	12.29
10.55	0.52	0.00	0.52	13.15	11.48	0.00	11.48
10.60	0.56	0.00	0.56	13.20	10.75	0.00	10.75
10.65	0.60	0.00	0.60	13.25	10.09	0.00	10.09
10.70	0.65	0.00	0.65	13.30	9.49	0.00	9.49
10.75	0.71	0.00	0.71	13.35	8.96	0.00	8.96
10.80	0.77	0.00	0.77	13.40	8.47	0.00	8.47
10.85	0.84	0.00	0.84	13.45	8.03	0.00	8.03
10.90	0.92	0.00	0.92	13.50	7.63	0.00	7.63
10.95	1.01	0.00	1.01	13.55	7.26	0.00	7.26
11.00	1.10	0.00	1.10	13.60	6.92	0.00	6.92
11.05	1.20	0.00	1.20	13.65	6.61	0.00	6.61
11.10	1.31	0.00	1.31	13.70	6.31	0.00	6.31
11.15	1.44	0.00	1.44	13.75	6.03	0.00	6.03
11.20	1.57	0.00	1.57	13.80	5.78	0.00	5.78
11.25	1.72	0.00	1.72	13.85	5.55	0.00	5.55
11.30	1.89	0.00	1.89	13.90	5.35	0.00	5.35
11.35	2.08	0.00	2.08	13.95	5.18	0.00	5.18
11.40	2.28	0.00	2.28	14.00	5.03	0.00	5.03
11.45	2.51	0.00	2.51	14.05	4.90	0.00	4.90
11.50	2.76	0.00	2.76	14.10	4.79	0.00	4.79
11.55	3.03	0.00	3.03	14.15	4.69	0.00	4.69
11.60	3.33	0.00	3.33	14.20	4.60	0.00	4.60
11.65	3.70	0.00	3.70	14.25	4.51	0.00	4.51
11.70	4.17	0.00	4.17	14.30	4.43	0.00	4.43
11.75	4.75	0.00	4.75	14.35	4.35	0.00	4.35
11.80	5.45	0.00	5.45	14.40	4.28	0.00	4.28
11.85	6.30	0.00	6.30	14.45	4.20	0.00	4.20
11.90	7.34	0.00	7.34	14.50	4.13	0.00	4.13
11.95	8.67	0.00	8.67	14.55	4.06	0.00	4.06
12.00	10.46	0.00	10.46	14.60	3.99	0.00	3.99
12.05	12.87	0.00	12.87	14.65	3.92	0.00	3.92
12.10	16.37	0.00	16.37	14.70	3.85	0.00	3.85
12.15	21.25	0.00	21.25	14.75	3.78	0.00	3.78
12.20	27.33	0.00	27.33	14.80	3.71	0.00	3.71
12.25	33.84	0.00	33.84	14.85	3.64	0.00	3.64
12.30	39.37	0.00	39.37	14.90	3.57	0.00	3.57
12.35	42.62	0.00	42.62	14.95	3.50	0.00	3.50
12.40	**43.37**	0.00	**43.37**	15.00	3.43	0.00	3.43
12.45	42.03	0.00	42.03	15.05	3.36	0.00	3.36
12.50	39.22	0.00	39.22	15.10	3.29	0.00	3.29
12.55	35.59	0.00	35.59	15.15	3.22	0.00	3.22
12.60	31.90	0.00	31.90	15.20	3.15	0.00	3.15
12.65	28.65	0.00	28.65	15.25	3.08	0.00	3.08
12.70	25.80	0.00	25.80	15.30	3.01	0.00	3.01
12.75	23.22	0.00	23.22	15.35	2.96	0.00	2.96
12.80	20.90	0.00	20.90	15.40	2.91	0.00	2.91
12.85	18.86	0.00	18.86	15.45	2.86	0.00	2.86
12.90	17.09	0.00	17.09	15.50	2.82	0.00	2.82
12.95	15.56	0.00	15.56	15.55	2.79	0.00	2.79

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.76	0.00	2.76	18.20	1.75	0.00	1.75
15.65	2.73	0.00	2.73	18.25	1.73	0.00	1.73
15.70	2.71	0.00	2.71	18.30	1.71	0.00	1.71
15.75	2.69	0.00	2.69	18.35	1.69	0.00	1.69
15.80	2.66	0.00	2.66	18.40	1.68	0.00	1.68
15.85	2.64	0.00	2.64	18.45	1.67	0.00	1.67
15.90	2.62	0.00	2.62	18.50	1.66	0.00	1.66
15.95	2.60	0.00	2.60	18.55	1.65	0.00	1.65
16.00	2.58	0.00	2.58	18.60	1.64	0.00	1.64
16.05	2.56	0.00	2.56	18.65	1.63	0.00	1.63
16.10	2.54	0.00	2.54	18.70	1.63	0.00	1.63
16.15	2.52	0.00	2.52	18.75	1.62	0.00	1.62
16.20	2.51	0.00	2.51	18.80	1.62	0.00	1.62
16.25	2.49	0.00	2.49	18.85	1.61	0.00	1.61
16.30	2.47	0.00	2.47	18.90	1.61	0.00	1.61
16.35	2.45	0.00	2.45	18.95	1.60	0.00	1.60
16.40	2.43	0.00	2.43	19.00	1.60	0.00	1.60
16.45	2.41	0.00	2.41	19.05	1.59	0.00	1.59
16.50	2.40	0.00	2.40	19.10	1.59	0.00	1.59
16.55	2.38	0.00	2.38	19.15	1.58	0.00	1.58
16.60	2.36	0.00	2.36	19.20	1.58	0.00	1.58
16.65	2.34	0.00	2.34	19.25	1.57	0.00	1.57
16.70	2.32	0.00	2.32	19.30	1.57	0.00	1.57
16.75	2.30	0.00	2.30	19.35	1.56	0.00	1.56
16.80	2.28	0.00	2.28	19.40	1.56	0.00	1.56
16.85	2.26	0.00	2.26	19.45	1.55	0.00	1.55
16.90	2.25	0.00	2.25	19.50	1.55	0.00	1.55
16.95	2.23	0.00	2.23	19.55	1.54	0.00	1.54
17.00	2.21	0.00	2.21	19.60	1.54	0.00	1.54
17.05	2.19	0.00	2.19	19.65	1.53	0.00	1.53
17.10	2.17	0.00	2.17	19.70	1.53	0.00	1.53
17.15	2.15	0.00	2.15	19.75	1.52	0.00	1.52
17.20	2.13	0.00	2.13	19.80	1.52	0.00	1.52
17.25	2.11	0.00	2.11	19.85	1.52	0.00	1.52
17.30	2.10	0.00	2.10	19.90	1.51	0.00	1.51
17.35	2.08	0.00	2.08	19.95	1.51	0.00	1.51
17.40	2.06	0.00	2.06	20.00	1.50	0.00	1.50
17.45	2.04	0.00	2.04	20.05	1.50	0.00	1.50
17.50	2.02	0.00	2.02	20.10	1.49	0.00	1.49
17.55	2.00	0.00	2.00	20.15	1.49	0.00	1.49
17.60	1.98	0.00	1.98	20.20	1.48	0.00	1.48
17.65	1.96	0.00	1.96	20.25	1.48	0.00	1.48
17.70	1.94	0.00	1.94	20.30	1.47	0.00	1.47
17.75	1.92	0.00	1.92	20.35	1.47	0.00	1.47
17.80	1.90	0.00	1.90	20.40	1.46	0.00	1.46
17.85	1.88	0.00	1.88	20.45	1.46	0.00	1.46
17.90	1.86	0.00	1.86	20.50	1.45	0.00	1.45
17.95	1.84	0.00	1.84	20.55	1.45	0.00	1.45
18.00	1.82	0.00	1.82	20.60	1.44	0.00	1.44
18.05	1.81	0.00	1.81	20.65	1.44	0.00	1.44
18.10	1.79	0.00	1.79	20.70	1.44	0.00	1.44
18.15	1.77	0.00	1.77	20.75	1.43	0.00	1.43

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.43	0.00	1.43	23.40	1.17	0.00	1.17
20.85	1.42	0.00	1.42	23.45	1.17	0.00	1.17
20.90	1.42	0.00	1.42	23.50	1.16	0.00	1.16
20.95	1.41	0.00	1.41	23.55	1.16	0.00	1.16
21.00	1.41	0.00	1.41	23.60	1.15	0.00	1.15
21.05	1.40	0.00	1.40	23.65	1.15	0.00	1.15
21.10	1.40	0.00	1.40	23.70	1.14	0.00	1.14
21.15	1.39	0.00	1.39	23.75	1.14	0.00	1.14
21.20	1.39	0.00	1.39	23.80	1.13	0.00	1.13
21.25	1.38	0.00	1.38	23.85	1.13	0.00	1.13
21.30	1.38	0.00	1.38	23.90	1.12	0.00	1.12
21.35	1.37	0.00	1.37	23.95	1.12	0.00	1.12
21.40	1.37	0.00	1.37	24.00	1.12	0.00	1.12
21.45	1.36	0.00	1.36	24.05	1.12	0.00	1.12
21.50	1.36	0.00	1.36	24.10	1.12	0.00	1.12
21.55	1.36	0.00	1.36	24.15	1.10	0.00	1.10
21.60	1.35	0.00	1.35	24.20	1.05	0.00	1.05
21.65	1.35	0.00	1.35	24.25	0.95	0.00	0.95
21.70	1.34	0.00	1.34	24.30	0.82	0.00	0.82
21.75	1.34	0.00	1.34	24.35	0.67	0.00	0.67
21.80	1.33	0.00	1.33	24.40	0.53	0.00	0.53
21.85	1.33	0.00	1.33	24.45	0.41	0.00	0.41
21.90	1.32	0.00	1.32	24.50	0.30	0.00	0.30
21.95	1.32	0.00	1.32	24.55	0.23	0.00	0.23
22.00	1.31	0.00	1.31	24.60	0.17	0.00	0.17
22.05	1.31	0.00	1.31	24.65	0.13	0.00	0.13
22.10	1.30	0.00	1.30	24.70	0.10	0.00	0.10
22.15	1.30	0.00	1.30	24.75	0.08	0.00	0.08
22.20	1.29	0.00	1.29	24.80	0.06	0.00	0.06
22.25	1.29	0.00	1.29	24.85	0.04	0.00	0.04
22.30	1.28	0.00	1.28	24.90	0.03	0.00	0.03
22.35	1.28	0.00	1.28	24.95	0.02	0.00	0.02
22.40	1.27	0.00	1.27	25.00	0.02	0.00	0.02
22.45	1.27	0.00	1.27	25.05	0.01	0.00	0.01
22.50	1.26	0.00	1.26	25.10	0.01	0.00	0.01
22.55	1.26	0.00	1.26	25.15	0.01	0.00	0.01
22.60	1.25	0.00	1.25	25.20	0.01	0.00	0.01
22.65	1.25	0.00	1.25	25.25	0.00	0.00	0.00
22.70	1.24	0.00	1.24	25.30	0.00	0.00	0.00
22.75	1.24	0.00	1.24	25.35	0.00	0.00	0.00
22.80	1.23	0.00	1.23	25.40	0.00	0.00	0.00
22.85	1.23	0.00	1.23	25.45	0.00	0.00	0.00
22.90	1.22	0.00	1.22	25.50	0.00	0.00	0.00
22.95	1.22	0.00	1.22	25.55	0.00	0.00	0.00
23.00	1.21	0.00	1.21	25.60	0.00	0.00	0.00
23.05	1.21	0.00	1.21	25.65	0.00	0.00	0.00
23.10	1.20	0.00	1.20	25.70	0.00	0.00	0.00
23.15	1.20	0.00	1.20	25.75	0.00	0.00	0.00
23.20	1.19	0.00	1.19	25.80	0.00	0.00	0.00
23.25	1.19	0.00	1.19	25.85	0.00	0.00	0.00
23.30	1.18	0.00	1.18	25.90	0.00	0.00	0.00
23.35	1.18	0.00	1.18	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

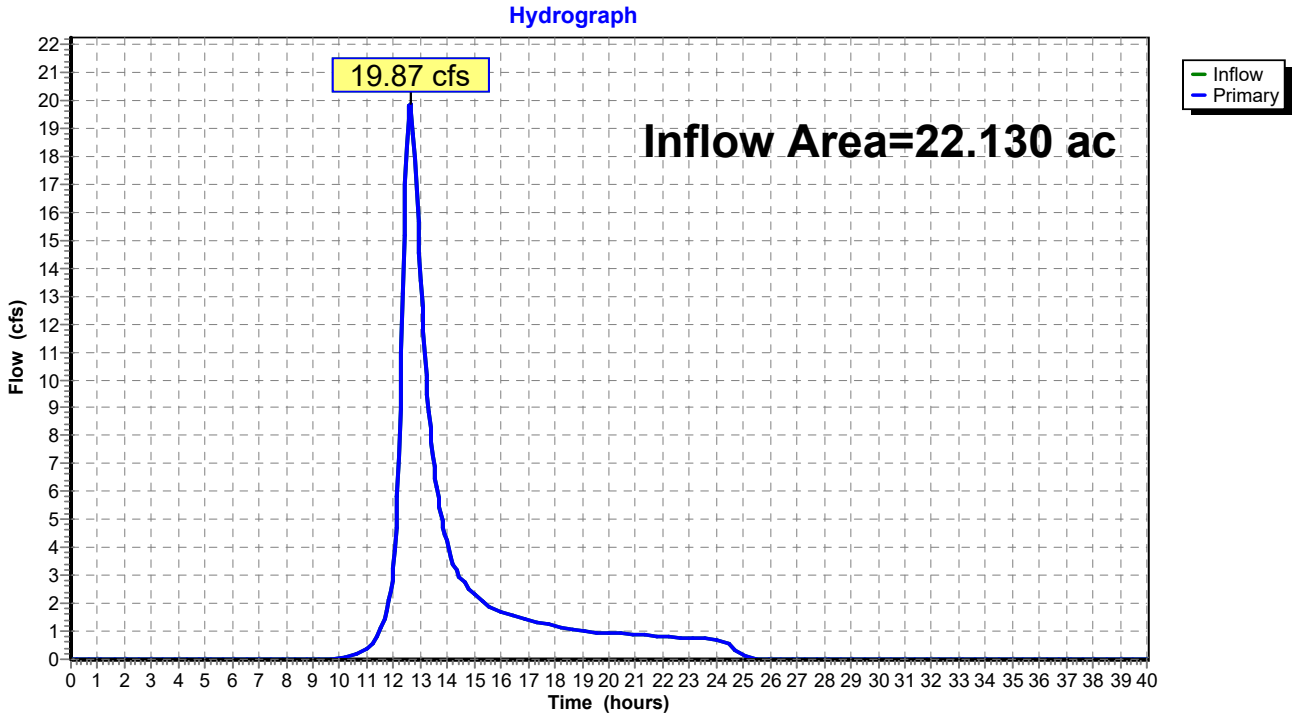
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 1.62" for Future 2 yr event
Inflow = 19.87 cfs @ 12.62 hrs, Volume= 2.996 af
Primary = 19.87 cfs @ 12.62 hrs, Volume= 2.996 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.01	0.00	0.01
7.40	0.00	0.00	0.00	10.00	0.01	0.00	0.01
7.45	0.00	0.00	0.00	10.05	0.01	0.00	0.01
7.50	0.00	0.00	0.00	10.10	0.02	0.00	0.02
7.55	0.00	0.00	0.00	10.15	0.03	0.00	0.03
7.60	0.00	0.00	0.00	10.20	0.04	0.00	0.04
7.65	0.00	0.00	0.00	10.25	0.05	0.00	0.05
7.70	0.00	0.00	0.00	10.30	0.06	0.00	0.06
7.75	0.00	0.00	0.00	10.35	0.07	0.00	0.07

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.09	0.00	0.09	13.00	13.54	0.00	13.54
10.45	0.10	0.00	0.10	13.05	12.57	0.00	12.57
10.50	0.12	0.00	0.12	13.10	11.70	0.00	11.70
10.55	0.14	0.00	0.14	13.15	10.89	0.00	10.89
10.60	0.15	0.00	0.15	13.20	10.15	0.00	10.15
10.65	0.17	0.00	0.17	13.25	9.47	0.00	9.47
10.70	0.20	0.00	0.20	13.30	8.85	0.00	8.85
10.75	0.22	0.00	0.22	13.35	8.28	0.00	8.28
10.80	0.24	0.00	0.24	13.40	7.77	0.00	7.77
10.85	0.27	0.00	0.27	13.45	7.30	0.00	7.30
10.90	0.30	0.00	0.30	13.50	6.87	0.00	6.87
10.95	0.33	0.00	0.33	13.55	6.48	0.00	6.48
11.00	0.37	0.00	0.37	13.60	6.12	0.00	6.12
11.05	0.40	0.00	0.40	13.65	5.78	0.00	5.78
11.10	0.45	0.00	0.45	13.70	5.47	0.00	5.47
11.15	0.49	0.00	0.49	13.75	5.19	0.00	5.19
11.20	0.54	0.00	0.54	13.80	4.93	0.00	4.93
11.25	0.60	0.00	0.60	13.85	4.69	0.00	4.69
11.30	0.66	0.00	0.66	13.90	4.46	0.00	4.46
11.35	0.73	0.00	0.73	13.95	4.25	0.00	4.25
11.40	0.81	0.00	0.81	14.00	4.06	0.00	4.06
11.45	0.90	0.00	0.90	14.05	3.89	0.00	3.89
11.50	0.99	0.00	0.99	14.10	3.73	0.00	3.73
11.55	1.09	0.00	1.09	14.15	3.59	0.00	3.59
11.60	1.21	0.00	1.21	14.20	3.46	0.00	3.46
11.65	1.34	0.00	1.34	14.25	3.35	0.00	3.35
11.70	1.49	0.00	1.49	14.30	3.24	0.00	3.24
11.75	1.67	0.00	1.67	14.35	3.14	0.00	3.14
11.80	1.87	0.00	1.87	14.40	3.05	0.00	3.05
11.85	2.12	0.00	2.12	14.45	2.97	0.00	2.97
11.90	2.43	0.00	2.43	14.50	2.89	0.00	2.89
11.95	2.80	0.00	2.80	14.55	2.83	0.00	2.83
12.00	3.27	0.00	3.27	14.60	2.76	0.00	2.76
12.05	3.88	0.00	3.88	14.65	2.70	0.00	2.70
12.10	4.70	0.00	4.70	14.70	2.64	0.00	2.64
12.15	5.82	0.00	5.82	14.75	2.59	0.00	2.59
12.20	7.24	0.00	7.24	14.80	2.54	0.00	2.54
12.25	8.97	0.00	8.97	14.85	2.49	0.00	2.49
12.30	10.96	0.00	10.96	14.90	2.44	0.00	2.44
12.35	13.09	0.00	13.09	14.95	2.39	0.00	2.39
12.40	15.17	0.00	15.17	15.00	2.34	0.00	2.34
12.45	16.97	0.00	16.97	15.05	2.30	0.00	2.30
12.50	18.40	0.00	18.40	15.10	2.25	0.00	2.25
12.55	19.31	0.00	19.31	15.15	2.21	0.00	2.21
12.60	**19.81**	0.00	**19.81**	15.20	2.16	0.00	2.16
12.65	19.81	0.00	19.81	15.25	2.12	0.00	2.12
12.70	19.49	0.00	19.49	15.30	2.07	0.00	2.07
12.75	18.81	0.00	18.81	15.35	2.03	0.00	2.03
12.80	17.92	0.00	17.92	15.40	1.99	0.00	1.99
12.85	16.82	0.00	16.82	15.45	1.95	0.00	1.95
12.90	15.69	0.00	15.69	15.50	1.92	0.00	1.92
12.95	14.57	0.00	14.57	15.55	1.88	0.00	1.88

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.85	0.00	1.85	18.20	1.14	0.00	1.14
15.65	1.82	0.00	1.82	18.25	1.12	0.00	1.12
15.70	1.79	0.00	1.79	18.30	1.11	0.00	1.11
15.75	1.77	0.00	1.77	18.35	1.10	0.00	1.10
15.80	1.75	0.00	1.75	18.40	1.09	0.00	1.09
15.85	1.72	0.00	1.72	18.45	1.08	0.00	1.08
15.90	1.71	0.00	1.71	18.50	1.07	0.00	1.07
15.95	1.69	0.00	1.69	18.55	1.06	0.00	1.06
16.00	1.67	0.00	1.67	18.60	1.05	0.00	1.05
16.05	1.65	0.00	1.65	18.65	1.04	0.00	1.04
16.10	1.64	0.00	1.64	18.70	1.04	0.00	1.04
16.15	1.62	0.00	1.62	18.75	1.03	0.00	1.03
16.20	1.61	0.00	1.61	18.80	1.02	0.00	1.02
16.25	1.60	0.00	1.60	18.85	1.02	0.00	1.02
16.30	1.58	0.00	1.58	18.90	1.01	0.00	1.01
16.35	1.57	0.00	1.57	18.95	1.01	0.00	1.01
16.40	1.56	0.00	1.56	19.00	1.00	0.00	1.00
16.45	1.55	0.00	1.55	19.05	1.00	0.00	1.00
16.50	1.53	0.00	1.53	19.10	0.99	0.00	0.99
16.55	1.52	0.00	1.52	19.15	0.99	0.00	0.99
16.60	1.51	0.00	1.51	19.20	0.99	0.00	0.99
16.65	1.50	0.00	1.50	19.25	0.98	0.00	0.98
16.70	1.49	0.00	1.49	19.30	0.98	0.00	0.98
16.75	1.47	0.00	1.47	19.35	0.98	0.00	0.98
16.80	1.46	0.00	1.46	19.40	0.97	0.00	0.97
16.85	1.45	0.00	1.45	19.45	0.97	0.00	0.97
16.90	1.44	0.00	1.44	19.50	0.97	0.00	0.97
16.95	1.43	0.00	1.43	19.55	0.96	0.00	0.96
17.00	1.42	0.00	1.42	19.60	0.96	0.00	0.96
17.05	1.40	0.00	1.40	19.65	0.96	0.00	0.96
17.10	1.39	0.00	1.39	19.70	0.96	0.00	0.96
17.15	1.38	0.00	1.38	19.75	0.95	0.00	0.95
17.20	1.37	0.00	1.37	19.80	0.95	0.00	0.95
17.25	1.36	0.00	1.36	19.85	0.95	0.00	0.95
17.30	1.35	0.00	1.35	19.90	0.94	0.00	0.94
17.35	1.34	0.00	1.34	19.95	0.94	0.00	0.94
17.40	1.32	0.00	1.32	20.00	0.94	0.00	0.94
17.45	1.31	0.00	1.31	20.05	0.94	0.00	0.94
17.50	1.30	0.00	1.30	20.10	0.93	0.00	0.93
17.55	1.29	0.00	1.29	20.15	0.93	0.00	0.93
17.60	1.28	0.00	1.28	20.20	0.93	0.00	0.93
17.65	1.27	0.00	1.27	20.25	0.92	0.00	0.92
17.70	1.25	0.00	1.25	20.30	0.92	0.00	0.92
17.75	1.24	0.00	1.24	20.35	0.92	0.00	0.92
17.80	1.23	0.00	1.23	20.40	0.92	0.00	0.92
17.85	1.22	0.00	1.22	20.45	0.91	0.00	0.91
17.90	1.21	0.00	1.21	20.50	0.91	0.00	0.91
17.95	1.20	0.00	1.20	20.55	0.91	0.00	0.91
18.00	1.18	0.00	1.18	20.60	0.90	0.00	0.90
18.05	1.17	0.00	1.17	20.65	0.90	0.00	0.90
18.10	1.16	0.00	1.16	20.70	0.90	0.00	0.90
18.15	1.15	0.00	1.15	20.75	0.90	0.00	0.90

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.89	0.00	0.89	23.40	0.74	0.00	0.74
20.85	0.89	0.00	0.89	23.45	0.73	0.00	0.73
20.90	0.89	0.00	0.89	23.50	0.73	0.00	0.73
20.95	0.88	0.00	0.88	23.55	0.73	0.00	0.73
21.00	0.88	0.00	0.88	23.60	0.73	0.00	0.73
21.05	0.88	0.00	0.88	23.65	0.72	0.00	0.72
21.10	0.88	0.00	0.88	23.70	0.72	0.00	0.72
21.15	0.87	0.00	0.87	23.75	0.72	0.00	0.72
21.20	0.87	0.00	0.87	23.80	0.71	0.00	0.71
21.25	0.87	0.00	0.87	23.85	0.71	0.00	0.71
21.30	0.86	0.00	0.86	23.90	0.71	0.00	0.71
21.35	0.86	0.00	0.86	23.95	0.70	0.00	0.70
21.40	0.86	0.00	0.86	24.00	0.70	0.00	0.70
21.45	0.85	0.00	0.85	24.05	0.70	0.00	0.70
21.50	0.85	0.00	0.85	24.10	0.70	0.00	0.70
21.55	0.85	0.00	0.85	24.15	0.69	0.00	0.69
21.60	0.85	0.00	0.85	24.20	0.68	0.00	0.68
21.65	0.84	0.00	0.84	24.25	0.67	0.00	0.67
21.70	0.84	0.00	0.84	24.30	0.65	0.00	0.65
21.75	0.84	0.00	0.84	24.35	0.62	0.00	0.62
21.80	0.83	0.00	0.83	24.40	0.58	0.00	0.58
21.85	0.83	0.00	0.83	24.45	0.54	0.00	0.54
21.90	0.83	0.00	0.83	24.50	0.49	0.00	0.49
21.95	0.83	0.00	0.83	24.55	0.43	0.00	0.43
22.00	0.82	0.00	0.82	24.60	0.38	0.00	0.38
22.05	0.82	0.00	0.82	24.65	0.33	0.00	0.33
22.10	0.82	0.00	0.82	24.70	0.28	0.00	0.28
22.15	0.81	0.00	0.81	24.75	0.24	0.00	0.24
22.20	0.81	0.00	0.81	24.80	0.20	0.00	0.20
22.25	0.81	0.00	0.81	24.85	0.17	0.00	0.17
22.30	0.80	0.00	0.80	24.90	0.14	0.00	0.14
22.35	0.80	0.00	0.80	24.95	0.12	0.00	0.12
22.40	0.80	0.00	0.80	25.00	0.10	0.00	0.10
22.45	0.80	0.00	0.80	25.05	0.09	0.00	0.09
22.50	0.79	0.00	0.79	25.10	0.07	0.00	0.07
22.55	0.79	0.00	0.79	25.15	0.06	0.00	0.06
22.60	0.79	0.00	0.79	25.20	0.05	0.00	0.05
22.65	0.78	0.00	0.78	25.25	0.04	0.00	0.04
22.70	0.78	0.00	0.78	25.30	0.04	0.00	0.04
22.75	0.78	0.00	0.78	25.35	0.03	0.00	0.03
22.80	0.77	0.00	0.77	25.40	0.03	0.00	0.03
22.85	0.77	0.00	0.77	25.45	0.02	0.00	0.02
22.90	0.77	0.00	0.77	25.50	0.02	0.00	0.02
22.95	0.77	0.00	0.77	25.55	0.02	0.00	0.02
23.00	0.76	0.00	0.76	25.60	0.01	0.00	0.01
23.05	0.76	0.00	0.76	25.65	0.01	0.00	0.01
23.10	0.76	0.00	0.76	25.70	0.01	0.00	0.01
23.15	0.75	0.00	0.75	25.75	0.01	0.00	0.01
23.20	0.75	0.00	0.75	25.80	0.01	0.00	0.01
23.25	0.75	0.00	0.75	25.85	0.01	0.00	0.01
23.30	0.74	0.00	0.74	25.90	0.00	0.00	0.00
23.35	0.74	0.00	0.74	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

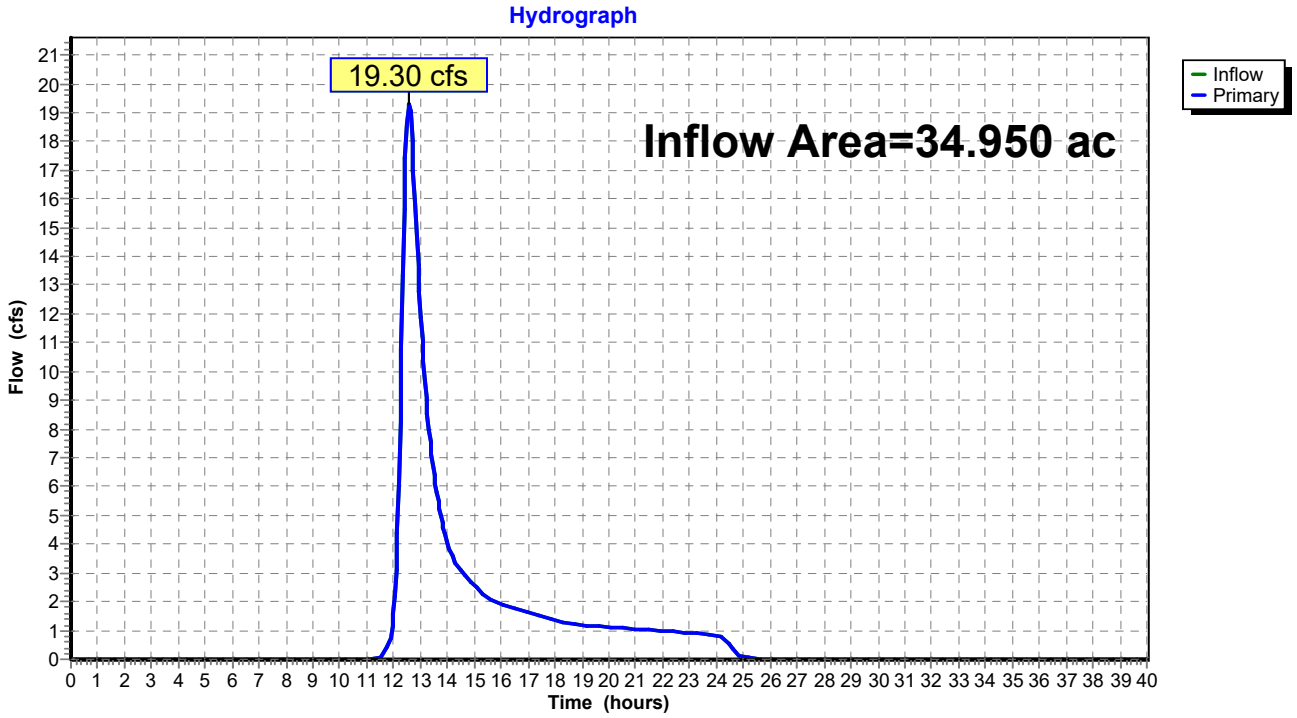
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 1.00" for Future 2 yr event
Inflow = 19.30 cfs @ 12.58 hrs, Volume= 2.925 af
Primary = 19.30 cfs @ 12.58 hrs, Volume= 2.925 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	11.89	0.00	11.89
10.45	0.00	0.00	0.00	13.05	11.07	0.00	11.07
10.50	0.00	0.00	0.00	13.10	10.34	0.00	10.34
10.55	0.00	0.00	0.00	13.15	9.66	0.00	9.66
10.60	0.00	0.00	0.00	13.20	9.05	0.00	9.05
10.65	0.00	0.00	0.00	13.25	8.50	0.00	8.50
10.70	0.00	0.00	0.00	13.30	7.99	0.00	7.99
10.75	0.00	0.00	0.00	13.35	7.54	0.00	7.54
10.80	0.00	0.00	0.00	13.40	7.12	0.00	7.12
10.85	0.00	0.00	0.00	13.45	6.74	0.00	6.74
10.90	0.00	0.00	0.00	13.50	6.39	0.00	6.39
10.95	0.00	0.00	0.00	13.55	6.07	0.00	6.07
11.00	0.00	0.00	0.00	13.60	5.77	0.00	5.77
11.05	0.00	0.00	0.00	13.65	5.49	0.00	5.49
11.10	0.00	0.00	0.00	13.70	5.23	0.00	5.23
11.15	0.00	0.00	0.00	13.75	5.00	0.00	5.00
11.20	0.00	0.00	0.00	13.80	4.77	0.00	4.77
11.25	0.00	0.00	0.00	13.85	4.56	0.00	4.56
11.30	0.00	0.00	0.00	13.90	4.37	0.00	4.37
11.35	0.00	0.00	0.00	13.95	4.19	0.00	4.19
11.40	0.01	0.00	0.01	14.00	4.03	0.00	4.03
11.45	0.01	0.00	0.01	14.05	3.88	0.00	3.88
11.50	0.03	0.00	0.03	14.10	3.75	0.00	3.75
11.55	0.06	0.00	0.06	14.15	3.63	0.00	3.63
11.60	0.09	0.00	0.09	14.20	3.53	0.00	3.53
11.65	0.15	0.00	0.15	14.25	3.44	0.00	3.44
11.70	0.22	0.00	0.22	14.30	3.36	0.00	3.36
11.75	0.33	0.00	0.33	14.35	3.29	0.00	3.29
11.80	0.46	0.00	0.46	14.40	3.22	0.00	3.22
11.85	0.64	0.00	0.64	14.45	3.15	0.00	3.15
11.90	0.87	0.00	0.87	14.50	3.10	0.00	3.10
11.95	1.18	0.00	1.18	14.55	3.04	0.00	3.04
12.00	1.60	0.00	1.60	14.60	2.98	0.00	2.98
12.05	2.20	0.00	2.20	14.65	2.93	0.00	2.93
12.10	3.09	0.00	3.09	14.70	2.88	0.00	2.88
12.15	4.37	0.00	4.37	14.75	2.83	0.00	2.83
12.20	6.11	0.00	6.11	14.80	2.78	0.00	2.78
12.25	8.29	0.00	8.29	14.85	2.73	0.00	2.73
12.30	10.77	0.00	10.77	14.90	2.68	0.00	2.68
12.35	13.31	0.00	13.31	14.95	2.63	0.00	2.63
12.40	15.64	0.00	15.64	15.00	2.58	0.00	2.58
12.45	17.43	0.00	17.43	15.05	2.53	0.00	2.53
12.50	18.64	0.00	18.64	15.10	2.49	0.00	2.49
12.55	19.20	0.00	19.20	15.15	2.44	0.00	2.44
12.60	**19.26**	0.00	**19.26**	15.20	2.39	0.00	2.39
12.65	18.82	0.00	18.82	15.25	2.34	0.00	2.34
12.70	18.03	0.00	18.03	15.30	2.29	0.00	2.29
12.75	17.01	0.00	17.01	15.35	2.25	0.00	2.25
12.80	15.87	0.00	15.87	15.40	2.21	0.00	2.21
12.85	14.76	0.00	14.76	15.45	2.16	0.00	2.16
12.90	13.73	0.00	13.73	15.50	2.13	0.00	2.13
12.95	12.77	0.00	12.77	15.55	2.09	0.00	2.09

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.06	0.00	2.06	18.20	1.32	0.00	1.32
15.65	2.04	0.00	2.04	18.25	1.31	0.00	1.31
15.70	2.01	0.00	2.01	18.30	1.29	0.00	1.29
15.75	1.99	0.00	1.99	18.35	1.28	0.00	1.28
15.80	1.97	0.00	1.97	18.40	1.27	0.00	1.27
15.85	1.95	0.00	1.95	18.45	1.26	0.00	1.26
15.90	1.93	0.00	1.93	18.50	1.25	0.00	1.25
15.95	1.92	0.00	1.92	18.55	1.24	0.00	1.24
16.00	1.90	0.00	1.90	18.60	1.23	0.00	1.23
16.05	1.89	0.00	1.89	18.65	1.22	0.00	1.22
16.10	1.87	0.00	1.87	18.70	1.21	0.00	1.21
16.15	1.86	0.00	1.86	18.75	1.21	0.00	1.21
16.20	1.84	0.00	1.84	18.80	1.20	0.00	1.20
16.25	1.83	0.00	1.83	18.85	1.20	0.00	1.20
16.30	1.82	0.00	1.82	18.90	1.19	0.00	1.19
16.35	1.80	0.00	1.80	18.95	1.19	0.00	1.19
16.40	1.79	0.00	1.79	19.00	1.18	0.00	1.18
16.45	1.78	0.00	1.78	19.05	1.18	0.00	1.18
16.50	1.77	0.00	1.77	19.10	1.18	0.00	1.18
16.55	1.75	0.00	1.75	19.15	1.17	0.00	1.17
16.60	1.74	0.00	1.74	19.20	1.17	0.00	1.17
16.65	1.73	0.00	1.73	19.25	1.17	0.00	1.17
16.70	1.71	0.00	1.71	19.30	1.16	0.00	1.16
16.75	1.70	0.00	1.70	19.35	1.16	0.00	1.16
16.80	1.69	0.00	1.69	19.40	1.16	0.00	1.16
16.85	1.68	0.00	1.68	19.45	1.15	0.00	1.15
16.90	1.66	0.00	1.66	19.50	1.15	0.00	1.15
16.95	1.65	0.00	1.65	19.55	1.15	0.00	1.15
17.00	1.64	0.00	1.64	19.60	1.14	0.00	1.14
17.05	1.62	0.00	1.62	19.65	1.14	0.00	1.14
17.10	1.61	0.00	1.61	19.70	1.14	0.00	1.14
17.15	1.60	0.00	1.60	19.75	1.13	0.00	1.13
17.20	1.59	0.00	1.59	19.80	1.13	0.00	1.13
17.25	1.57	0.00	1.57	19.85	1.13	0.00	1.13
17.30	1.56	0.00	1.56	19.90	1.12	0.00	1.12
17.35	1.55	0.00	1.55	19.95	1.12	0.00	1.12
17.40	1.54	0.00	1.54	20.00	1.12	0.00	1.12
17.45	1.52	0.00	1.52	20.05	1.11	0.00	1.11
17.50	1.51	0.00	1.51	20.10	1.11	0.00	1.11
17.55	1.49	0.00	1.49	20.15	1.11	0.00	1.11
17.60	1.48	0.00	1.48	20.20	1.11	0.00	1.11
17.65	1.47	0.00	1.47	20.25	1.10	0.00	1.10
17.70	1.45	0.00	1.45	20.30	1.10	0.00	1.10
17.75	1.44	0.00	1.44	20.35	1.10	0.00	1.10
17.80	1.43	0.00	1.43	20.40	1.09	0.00	1.09
17.85	1.41	0.00	1.41	20.45	1.09	0.00	1.09
17.90	1.40	0.00	1.40	20.50	1.09	0.00	1.09
17.95	1.39	0.00	1.39	20.55	1.08	0.00	1.08
18.00	1.37	0.00	1.37	20.60	1.08	0.00	1.08
18.05	1.36	0.00	1.36	20.65	1.08	0.00	1.08
18.10	1.35	0.00	1.35	20.70	1.07	0.00	1.07
18.15	1.33	0.00	1.33	20.75	1.07	0.00	1.07

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.07	0.00	1.07	23.40	0.89	0.00	0.89
20.85	1.06	0.00	1.06	23.45	0.89	0.00	0.89
20.90	1.06	0.00	1.06	23.50	0.88	0.00	0.88
20.95	1.06	0.00	1.06	23.55	0.88	0.00	0.88
21.00	1.05	0.00	1.05	23.60	0.88	0.00	0.88
21.05	1.05	0.00	1.05	23.65	0.87	0.00	0.87
21.10	1.05	0.00	1.05	23.70	0.87	0.00	0.87
21.15	1.04	0.00	1.04	23.75	0.86	0.00	0.86
21.20	1.04	0.00	1.04	23.80	0.86	0.00	0.86
21.25	1.04	0.00	1.04	23.85	0.86	0.00	0.86
21.30	1.03	0.00	1.03	23.90	0.85	0.00	0.85
21.35	1.03	0.00	1.03	23.95	0.85	0.00	0.85
21.40	1.03	0.00	1.03	24.00	0.85	0.00	0.85
21.45	1.02	0.00	1.02	24.05	0.85	0.00	0.85
21.50	1.02	0.00	1.02	24.10	0.84	0.00	0.84
21.55	1.02	0.00	1.02	24.15	0.84	0.00	0.84
21.60	1.01	0.00	1.01	24.20	0.82	0.00	0.82
21.65	1.01	0.00	1.01	24.25	0.80	0.00	0.80
21.70	1.01	0.00	1.01	24.30	0.76	0.00	0.76
21.75	1.00	0.00	1.00	24.35	0.70	0.00	0.70
21.80	1.00	0.00	1.00	24.40	0.64	0.00	0.64
21.85	1.00	0.00	1.00	24.45	0.56	0.00	0.56
21.90	0.99	0.00	0.99	24.50	0.49	0.00	0.49
21.95	0.99	0.00	0.99	24.55	0.41	0.00	0.41
22.00	0.99	0.00	0.99	24.60	0.34	0.00	0.34
22.05	0.98	0.00	0.98	24.65	0.28	0.00	0.28
22.10	0.98	0.00	0.98	24.70	0.23	0.00	0.23
22.15	0.98	0.00	0.98	24.75	0.19	0.00	0.19
22.20	0.97	0.00	0.97	24.80	0.15	0.00	0.15
22.25	0.97	0.00	0.97	24.85	0.13	0.00	0.13
22.30	0.97	0.00	0.97	24.90	0.10	0.00	0.10
22.35	0.96	0.00	0.96	24.95	0.09	0.00	0.09
22.40	0.96	0.00	0.96	25.00	0.07	0.00	0.07
22.45	0.96	0.00	0.96	25.05	0.06	0.00	0.06
22.50	0.95	0.00	0.95	25.10	0.05	0.00	0.05
22.55	0.95	0.00	0.95	25.15	0.04	0.00	0.04
22.60	0.95	0.00	0.95	25.20	0.03	0.00	0.03
22.65	0.94	0.00	0.94	25.25	0.03	0.00	0.03
22.70	0.94	0.00	0.94	25.30	0.02	0.00	0.02
22.75	0.94	0.00	0.94	25.35	0.02	0.00	0.02
22.80	0.93	0.00	0.93	25.40	0.01	0.00	0.01
22.85	0.93	0.00	0.93	25.45	0.01	0.00	0.01
22.90	0.93	0.00	0.93	25.50	0.01	0.00	0.01
22.95	0.92	0.00	0.92	25.55	0.01	0.00	0.01
23.00	0.92	0.00	0.92	25.60	0.01	0.00	0.01
23.05	0.91	0.00	0.91	25.65	0.00	0.00	0.00
23.10	0.91	0.00	0.91	25.70	0.00	0.00	0.00
23.15	0.91	0.00	0.91	25.75	0.00	0.00	0.00
23.20	0.90	0.00	0.90	25.80	0.00	0.00	0.00
23.25	0.90	0.00	0.90	25.85	0.00	0.00	0.00
23.30	0.90	0.00	0.90	25.90	0.00	0.00	0.00
23.35	0.89	0.00	0.89	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

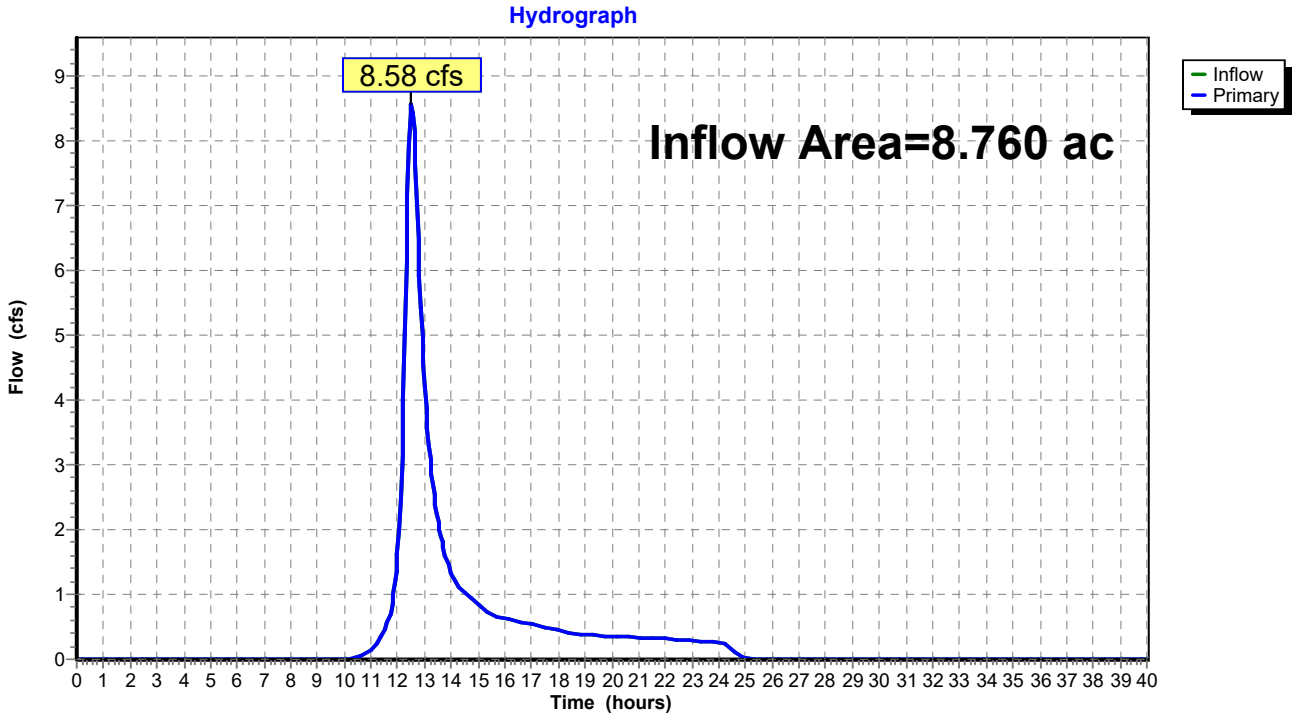
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 1.56" for Future 2 yr event
Inflow = 8.58 cfs @ 12.50 hrs, Volume= 1.135 af
Primary = 8.58 cfs @ 12.50 hrs, Volume= 1.135 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.01	0.00	0.01
7.65	0.00	0.00	0.00	10.25	0.01	0.00	0.01
7.70	0.00	0.00	0.00	10.30	0.01	0.00	0.01
7.75	0.00	0.00	0.00	10.35	0.02	0.00	0.02

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.02	0.00	0.02	13.00	4.19	0.00	4.19
10.45	0.03	0.00	0.03	13.05	3.87	0.00	3.87
10.50	0.03	0.00	0.03	13.10	3.57	0.00	3.57
10.55	0.04	0.00	0.04	13.15	3.31	0.00	3.31
10.60	0.05	0.00	0.05	13.20	3.09	0.00	3.09
10.65	0.06	0.00	0.06	13.25	2.88	0.00	2.88
10.70	0.07	0.00	0.07	13.30	2.70	0.00	2.70
10.75	0.08	0.00	0.08	13.35	2.53	0.00	2.53
10.80	0.09	0.00	0.09	13.40	2.38	0.00	2.38
10.85	0.10	0.00	0.10	13.45	2.25	0.00	2.25
10.90	0.11	0.00	0.11	13.50	2.12	0.00	2.12
10.95	0.12	0.00	0.12	13.55	2.01	0.00	2.01
11.00	0.14	0.00	0.14	13.60	1.91	0.00	1.91
11.05	0.16	0.00	0.16	13.65	1.81	0.00	1.81
11.10	0.18	0.00	0.18	13.70	1.72	0.00	1.72
11.15	0.20	0.00	0.20	13.75	1.64	0.00	1.64
11.20	0.22	0.00	0.22	13.80	1.56	0.00	1.56
11.25	0.25	0.00	0.25	13.85	1.49	0.00	1.49
11.30	0.27	0.00	0.27	13.90	1.42	0.00	1.42
11.35	0.31	0.00	0.31	13.95	1.37	0.00	1.37
11.40	0.34	0.00	0.34	14.00	1.31	0.00	1.31
11.45	0.38	0.00	0.38	14.05	1.27	0.00	1.27
11.50	0.42	0.00	0.42	14.10	1.23	0.00	1.23
11.55	0.47	0.00	0.47	14.15	1.19	0.00	1.19
11.60	0.52	0.00	0.52	14.20	1.16	0.00	1.16
11.65	0.59	0.00	0.59	14.25	1.13	0.00	1.13
11.70	0.66	0.00	0.66	14.30	1.11	0.00	1.11
11.75	0.75	0.00	0.75	14.35	1.09	0.00	1.09
11.80	0.86	0.00	0.86	14.40	1.06	0.00	1.06
11.85	0.99	0.00	0.99	14.45	1.04	0.00	1.04
11.90	1.15	0.00	1.15	14.50	1.02	0.00	1.02
11.95	1.36	0.00	1.36	14.55	1.00	0.00	1.00
12.00	1.62	0.00	1.62	14.60	0.99	0.00	0.99
12.05	1.97	0.00	1.97	14.65	0.97	0.00	0.97
12.10	2.46	0.00	2.46	14.70	0.95	0.00	0.95
12.15	3.14	0.00	3.14	14.75	0.93	0.00	0.93
12.20	4.01	0.00	4.01	14.80	0.92	0.00	0.92
12.25	5.04	0.00	5.04	14.85	0.90	0.00	0.90
12.30	6.15	0.00	6.15	14.90	0.88	0.00	0.88
12.35	7.17	0.00	7.17	14.95	0.87	0.00	0.87
12.40	7.95	0.00	7.95	15.00	0.85	0.00	0.85
12.45	8.41	0.00	8.41	15.05	0.83	0.00	0.83
12.50	**8.58**	0.00	**8.58**	15.10	0.82	0.00	0.82
12.55	8.45	0.00	8.45	15.15	0.80	0.00	0.80
12.60	8.13	0.00	8.13	15.20	0.78	0.00	0.78
12.65	7.65	0.00	7.65	15.25	0.77	0.00	0.77
12.70	7.06	0.00	7.06	15.30	0.75	0.00	0.75
12.75	6.48	0.00	6.48	15.35	0.74	0.00	0.74
12.80	5.94	0.00	5.94	15.40	0.72	0.00	0.72
12.85	5.43	0.00	5.43	15.45	0.71	0.00	0.71
12.90	4.98	0.00	4.98	15.50	0.70	0.00	0.70
12.95	4.57	0.00	4.57	15.55	0.69	0.00	0.69

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.68	0.00	0.68	18.20	0.43	0.00	0.43
15.65	0.67	0.00	0.67	18.25	0.42	0.00	0.42
15.70	0.66	0.00	0.66	18.30	0.42	0.00	0.42
15.75	0.65	0.00	0.65	18.35	0.41	0.00	0.41
15.80	0.65	0.00	0.65	18.40	0.41	0.00	0.41
15.85	0.64	0.00	0.64	18.45	0.40	0.00	0.40
15.90	0.63	0.00	0.63	18.50	0.40	0.00	0.40
15.95	0.63	0.00	0.63	18.55	0.40	0.00	0.40
16.00	0.62	0.00	0.62	18.60	0.40	0.00	0.40
16.05	0.62	0.00	0.62	18.65	0.39	0.00	0.39
16.10	0.61	0.00	0.61	18.70	0.39	0.00	0.39
16.15	0.61	0.00	0.61	18.75	0.39	0.00	0.39
16.20	0.60	0.00	0.60	18.80	0.39	0.00	0.39
16.25	0.60	0.00	0.60	18.85	0.39	0.00	0.39
16.30	0.60	0.00	0.60	18.90	0.38	0.00	0.38
16.35	0.59	0.00	0.59	18.95	0.38	0.00	0.38
16.40	0.59	0.00	0.59	19.00	0.38	0.00	0.38
16.45	0.58	0.00	0.58	19.05	0.38	0.00	0.38
16.50	0.58	0.00	0.58	19.10	0.38	0.00	0.38
16.55	0.57	0.00	0.57	19.15	0.38	0.00	0.38
16.60	0.57	0.00	0.57	19.20	0.38	0.00	0.38
16.65	0.56	0.00	0.56	19.25	0.38	0.00	0.38
16.70	0.56	0.00	0.56	19.30	0.38	0.00	0.38
16.75	0.56	0.00	0.56	19.35	0.37	0.00	0.37
16.80	0.55	0.00	0.55	19.40	0.37	0.00	0.37
16.85	0.55	0.00	0.55	19.45	0.37	0.00	0.37
16.90	0.54	0.00	0.54	19.50	0.37	0.00	0.37
16.95	0.54	0.00	0.54	19.55	0.37	0.00	0.37
17.00	0.53	0.00	0.53	19.60	0.37	0.00	0.37
17.05	0.53	0.00	0.53	19.65	0.37	0.00	0.37
17.10	0.52	0.00	0.52	19.70	0.37	0.00	0.37
17.15	0.52	0.00	0.52	19.75	0.36	0.00	0.36
17.20	0.52	0.00	0.52	19.80	0.36	0.00	0.36
17.25	0.51	0.00	0.51	19.85	0.36	0.00	0.36
17.30	0.51	0.00	0.51	19.90	0.36	0.00	0.36
17.35	0.50	0.00	0.50	19.95	0.36	0.00	0.36
17.40	0.50	0.00	0.50	20.00	0.36	0.00	0.36
17.45	0.49	0.00	0.49	20.05	0.36	0.00	0.36
17.50	0.49	0.00	0.49	20.10	0.36	0.00	0.36
17.55	0.48	0.00	0.48	20.15	0.36	0.00	0.36
17.60	0.48	0.00	0.48	20.20	0.36	0.00	0.36
17.65	0.48	0.00	0.48	20.25	0.35	0.00	0.35
17.70	0.47	0.00	0.47	20.30	0.35	0.00	0.35
17.75	0.47	0.00	0.47	20.35	0.35	0.00	0.35
17.80	0.46	0.00	0.46	20.40	0.35	0.00	0.35
17.85	0.46	0.00	0.46	20.45	0.35	0.00	0.35
17.90	0.45	0.00	0.45	20.50	0.35	0.00	0.35
17.95	0.45	0.00	0.45	20.55	0.35	0.00	0.35
18.00	0.44	0.00	0.44	20.60	0.35	0.00	0.35
18.05	0.44	0.00	0.44	20.65	0.35	0.00	0.35
18.10	0.43	0.00	0.43	20.70	0.34	0.00	0.34
18.15	0.43	0.00	0.43	20.75	0.34	0.00	0.34

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.34	0.00	0.34	23.40	0.28	0.00	0.28
20.85	0.34	0.00	0.34	23.45	0.28	0.00	0.28
20.90	0.34	0.00	0.34	23.50	0.28	0.00	0.28
20.95	0.34	0.00	0.34	23.55	0.28	0.00	0.28
21.00	0.34	0.00	0.34	23.60	0.28	0.00	0.28
21.05	0.34	0.00	0.34	23.65	0.28	0.00	0.28
21.10	0.34	0.00	0.34	23.70	0.28	0.00	0.28
21.15	0.33	0.00	0.33	23.75	0.27	0.00	0.27
21.20	0.33	0.00	0.33	23.80	0.27	0.00	0.27
21.25	0.33	0.00	0.33	23.85	0.27	0.00	0.27
21.30	0.33	0.00	0.33	23.90	0.27	0.00	0.27
21.35	0.33	0.00	0.33	23.95	0.27	0.00	0.27
21.40	0.33	0.00	0.33	24.00	0.27	0.00	0.27
21.45	0.33	0.00	0.33	24.05	0.27	0.00	0.27
21.50	0.33	0.00	0.33	24.10	0.27	0.00	0.27
21.55	0.33	0.00	0.33	24.15	0.27	0.00	0.27
21.60	0.32	0.00	0.32	24.20	0.26	0.00	0.26
21.65	0.32	0.00	0.32	24.25	0.25	0.00	0.25
21.70	0.32	0.00	0.32	24.30	0.23	0.00	0.23
21.75	0.32	0.00	0.32	24.35	0.21	0.00	0.21
21.80	0.32	0.00	0.32	24.40	0.19	0.00	0.19
21.85	0.32	0.00	0.32	24.45	0.16	0.00	0.16
21.90	0.32	0.00	0.32	24.50	0.13	0.00	0.13
21.95	0.32	0.00	0.32	24.55	0.11	0.00	0.11
22.00	0.31	0.00	0.31	24.60	0.09	0.00	0.09
22.05	0.31	0.00	0.31	24.65	0.07	0.00	0.07
22.10	0.31	0.00	0.31	24.70	0.06	0.00	0.06
22.15	0.31	0.00	0.31	24.75	0.05	0.00	0.05
22.20	0.31	0.00	0.31	24.80	0.04	0.00	0.04
22.25	0.31	0.00	0.31	24.85	0.03	0.00	0.03
22.30	0.31	0.00	0.31	24.90	0.02	0.00	0.02
22.35	0.31	0.00	0.31	24.95	0.02	0.00	0.02
22.40	0.31	0.00	0.31	25.00	0.02	0.00	0.02
22.45	0.30	0.00	0.30	25.05	0.01	0.00	0.01
22.50	0.30	0.00	0.30	25.10	0.01	0.00	0.01
22.55	0.30	0.00	0.30	25.15	0.01	0.00	0.01
22.60	0.30	0.00	0.30	25.20	0.01	0.00	0.01
22.65	0.30	0.00	0.30	25.25	0.01	0.00	0.01
22.70	0.30	0.00	0.30	25.30	0.00	0.00	0.00
22.75	0.30	0.00	0.30	25.35	0.00	0.00	0.00
22.80	0.30	0.00	0.30	25.40	0.00	0.00	0.00
22.85	0.30	0.00	0.30	25.45	0.00	0.00	0.00
22.90	0.29	0.00	0.29	25.50	0.00	0.00	0.00
22.95	0.29	0.00	0.29	25.55	0.00	0.00	0.00
23.00	0.29	0.00	0.29	25.60	0.00	0.00	0.00
23.05	0.29	0.00	0.29	25.65	0.00	0.00	0.00
23.10	0.29	0.00	0.29	25.70	0.00	0.00	0.00
23.15	0.29	0.00	0.29	25.75	0.00	0.00	0.00
23.20	0.29	0.00	0.29	25.80	0.00	0.00	0.00
23.25	0.29	0.00	0.29	25.85	0.00	0.00	0.00
23.30	0.28	0.00	0.28	25.90	0.00	0.00	0.00
23.35	0.28	0.00	0.28	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

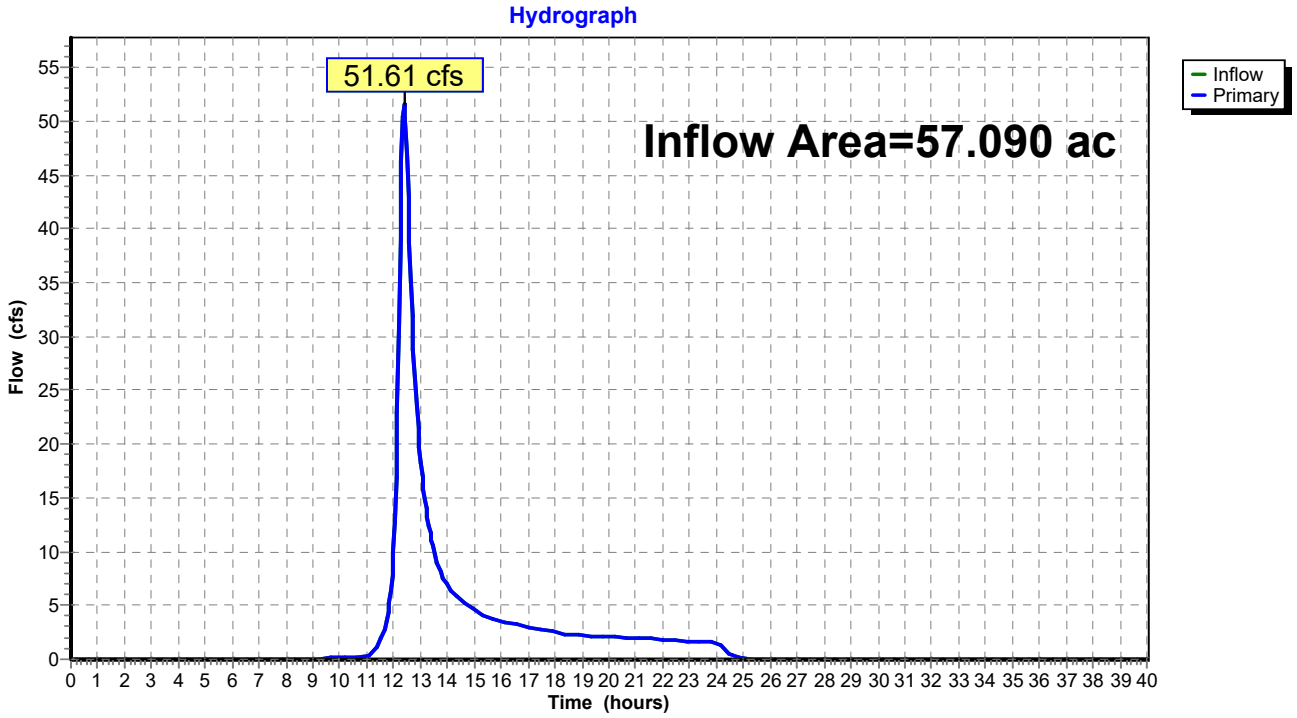
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 1.29" for Future 2 yr event
Inflow = 51.61 cfs @ 12.40 hrs, Volume= 6.142 af
Primary = 51.61 cfs @ 12.40 hrs, Volume= 6.142 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.03	0.00	0.03
1.60	0.00	0.00	0.00	4.20	0.03	0.00	0.03
1.65	0.00	0.00	0.00	4.25	0.03	0.00	0.03
1.70	0.00	0.00	0.00	4.30	0.03	0.00	0.03
1.75	0.00	0.00	0.00	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.03	0.00	0.03	8.05	0.06	0.00	0.06
5.50	0.03	0.00	0.03	8.10	0.06	0.00	0.06
5.55	0.03	0.00	0.03	8.15	0.06	0.00	0.06
5.60	0.03	0.00	0.03	8.20	0.06	0.00	0.06
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.04	0.00	0.04	8.30	0.06	0.00	0.06
5.75	0.04	0.00	0.04	8.35	0.06	0.00	0.06
5.80	0.04	0.00	0.04	8.40	0.06	0.00	0.06
5.85	0.04	0.00	0.04	8.45	0.06	0.00	0.06
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.07	0.00	0.07
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.08	0.00	0.08
6.70	0.04	0.00	0.04	9.30	0.08	0.00	0.08
6.75	0.04	0.00	0.04	9.35	0.08	0.00	0.08
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.05	0.00	0.05	9.50	0.08	0.00	0.08
6.95	0.05	0.00	0.05	9.55	0.09	0.00	0.09
7.00	0.05	0.00	0.05	9.60	0.09	0.00	0.09
7.05	0.05	0.00	0.05	9.65	0.09	0.00	0.09
7.10	0.05	0.00	0.05	9.70	0.09	0.00	0.09
7.15	0.05	0.00	0.05	9.75	0.09	0.00	0.09
7.20	0.05	0.00	0.05	9.80	0.10	0.00	0.10
7.25	0.05	0.00	0.05	9.85	0.10	0.00	0.10
7.30	0.05	0.00	0.05	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.11	0.00	0.11
7.50	0.05	0.00	0.05	10.10	0.11	0.00	0.11
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.12	0.00	0.12
7.70	0.05	0.00	0.05	10.30	0.12	0.00	0.12
7.75	0.06	0.00	0.06	10.35	0.12	0.00	0.12

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.12	0.00	0.12	13.00	18.20	0.00	18.20
10.45	0.12	0.00	0.12	13.05	16.91	0.00	16.91
10.50	0.13	0.00	0.13	13.10	15.80	0.00	15.80
10.55	0.13	0.00	0.13	13.15	14.82	0.00	14.82
10.60	0.13	0.00	0.13	13.20	13.93	0.00	13.93
10.65	0.13	0.00	0.13	13.25	13.12	0.00	13.12
10.70	0.14	0.00	0.14	13.30	12.38	0.00	12.38
10.75	0.14	0.00	0.14	13.35	11.71	0.00	11.71
10.80	0.15	0.00	0.15	13.40	11.10	0.00	11.10
10.85	0.16	0.00	0.16	13.45	10.54	0.00	10.54
10.90	0.18	0.00	0.18	13.50	10.04	0.00	10.04
10.95	0.20	0.00	0.20	13.55	9.57	0.00	9.57
11.00	0.24	0.00	0.24	13.60	9.15	0.00	9.15
11.05	0.29	0.00	0.29	13.65	8.75	0.00	8.75
11.10	0.35	0.00	0.35	13.70	8.37	0.00	8.37
11.15	0.43	0.00	0.43	13.75	8.01	0.00	8.01
11.20	0.53	0.00	0.53	13.80	7.68	0.00	7.68
11.25	0.65	0.00	0.65	13.85	7.39	0.00	7.39
11.30	0.79	0.00	0.79	13.90	7.13	0.00	7.13
11.35	0.96	0.00	0.96	13.95	6.91	0.00	6.91
11.40	1.14	0.00	1.14	14.00	6.72	0.00	6.72
11.45	1.36	0.00	1.36	14.05	6.56	0.00	6.56
11.50	1.59	0.00	1.59	14.10	6.42	0.00	6.42
11.55	1.86	0.00	1.86	14.15	6.29	0.00	6.29
11.60	2.17	0.00	2.17	14.20	6.17	0.00	6.17
11.65	2.55	0.00	2.55	14.25	6.06	0.00	6.06
11.70	3.03	0.00	3.03	14.30	5.96	0.00	5.96
11.75	3.63	0.00	3.63	14.35	5.85	0.00	5.85
11.80	4.36	0.00	4.36	14.40	5.76	0.00	5.76
11.85	5.27	0.00	5.27	14.45	5.66	0.00	5.66
11.90	6.40	0.00	6.40	14.50	5.57	0.00	5.57
11.95	7.88	0.00	7.88	14.55	5.47	0.00	5.47
12.00	9.91	0.00	9.91	14.60	5.38	0.00	5.38
12.05	12.75	0.00	12.75	14.65	5.29	0.00	5.29
12.10	16.97	0.00	16.97	14.70	5.20	0.00	5.20
12.15	23.01	0.00	23.01	14.75	5.10	0.00	5.10
12.20	30.71	0.00	30.71	14.80	5.01	0.00	5.01
12.25	39.02	0.00	39.02	14.85	4.92	0.00	4.92
12.30	46.18	0.00	46.18	14.90	4.83	0.00	4.83
12.35	50.45	0.00	50.45	14.95	4.73	0.00	4.73
12.40	**51.61**	0.00	**51.61**	15.00	4.64	0.00	4.64
12.45	50.30	0.00	50.30	15.05	4.55	0.00	4.55
12.50	47.13	0.00	47.13	15.10	4.45	0.00	4.45
12.55	42.99	0.00	42.99	15.15	4.36	0.00	4.36
12.60	38.79	0.00	38.79	15.20	4.26	0.00	4.26
12.65	35.14	0.00	35.14	15.25	4.17	0.00	4.17
12.70	31.87	0.00	31.87	15.30	4.09	0.00	4.09
12.75	28.85	0.00	28.85	15.35	4.01	0.00	4.01
12.80	26.10	0.00	26.10	15.40	3.94	0.00	3.94
12.85	23.68	0.00	23.68	15.45	3.89	0.00	3.89
12.90	21.56	0.00	21.56	15.50	3.84	0.00	3.84
12.95	19.74	0.00	19.74	15.55	3.79	0.00	3.79

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.75	0.00	3.75	18.20	2.41	0.00	2.41
15.65	3.72	0.00	3.72	18.25	2.38	0.00	2.38
15.70	3.69	0.00	3.69	18.30	2.36	0.00	2.36
15.75	3.66	0.00	3.66	18.35	2.34	0.00	2.34
15.80	3.63	0.00	3.63	18.40	2.32	0.00	2.32
15.85	3.60	0.00	3.60	18.45	2.30	0.00	2.30
15.90	3.57	0.00	3.57	18.50	2.29	0.00	2.29
15.95	3.55	0.00	3.55	18.55	2.28	0.00	2.28
16.00	3.52	0.00	3.52	18.60	2.27	0.00	2.27
16.05	3.50	0.00	3.50	18.65	2.26	0.00	2.26
16.10	3.47	0.00	3.47	18.70	2.25	0.00	2.25
16.15	3.45	0.00	3.45	18.75	2.24	0.00	2.24
16.20	3.42	0.00	3.42	18.80	2.23	0.00	2.23
16.25	3.40	0.00	3.40	18.85	2.23	0.00	2.23
16.30	3.38	0.00	3.38	18.90	2.22	0.00	2.22
16.35	3.35	0.00	3.35	18.95	2.21	0.00	2.21
16.40	3.33	0.00	3.33	19.00	2.21	0.00	2.21
16.45	3.30	0.00	3.30	19.05	2.20	0.00	2.20
16.50	3.28	0.00	3.28	19.10	2.19	0.00	2.19
16.55	3.25	0.00	3.25	19.15	2.19	0.00	2.19
16.60	3.23	0.00	3.23	19.20	2.18	0.00	2.18
16.65	3.20	0.00	3.20	19.25	2.17	0.00	2.17
16.70	3.18	0.00	3.18	19.30	2.17	0.00	2.17
16.75	3.15	0.00	3.15	19.35	2.16	0.00	2.16
16.80	3.13	0.00	3.13	19.40	2.16	0.00	2.16
16.85	3.10	0.00	3.10	19.45	2.15	0.00	2.15
16.90	3.08	0.00	3.08	19.50	2.14	0.00	2.14
16.95	3.05	0.00	3.05	19.55	2.14	0.00	2.14
17.00	3.03	0.00	3.03	19.60	2.13	0.00	2.13
17.05	3.00	0.00	3.00	19.65	2.13	0.00	2.13
17.10	2.98	0.00	2.98	19.70	2.12	0.00	2.12
17.15	2.95	0.00	2.95	19.75	2.11	0.00	2.11
17.20	2.93	0.00	2.93	19.80	2.11	0.00	2.11
17.25	2.90	0.00	2.90	19.85	2.10	0.00	2.10
17.30	2.88	0.00	2.88	19.90	2.10	0.00	2.10
17.35	2.85	0.00	2.85	19.95	2.09	0.00	2.09
17.40	2.83	0.00	2.83	20.00	2.09	0.00	2.09
17.45	2.80	0.00	2.80	20.05	2.08	0.00	2.08
17.50	2.77	0.00	2.77	20.10	2.07	0.00	2.07
17.55	2.75	0.00	2.75	20.15	2.07	0.00	2.07
17.60	2.72	0.00	2.72	20.20	2.06	0.00	2.06
17.65	2.69	0.00	2.69	20.25	2.05	0.00	2.05
17.70	2.67	0.00	2.67	20.30	2.05	0.00	2.05
17.75	2.64	0.00	2.64	20.35	2.04	0.00	2.04
17.80	2.62	0.00	2.62	20.40	2.03	0.00	2.03
17.85	2.59	0.00	2.59	20.45	2.03	0.00	2.03
17.90	2.57	0.00	2.57	20.50	2.02	0.00	2.02
17.95	2.54	0.00	2.54	20.55	2.01	0.00	2.01
18.00	2.51	0.00	2.51	20.60	2.01	0.00	2.01
18.05	2.49	0.00	2.49	20.65	2.00	0.00	2.00
18.10	2.46	0.00	2.46	20.70	2.00	0.00	2.00
18.15	2.43	0.00	2.43	20.75	1.99	0.00	1.99

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.98	0.00	1.98	23.40	1.64	0.00	1.64
20.85	1.98	0.00	1.98	23.45	1.63	0.00	1.63
20.90	1.97	0.00	1.97	23.50	1.63	0.00	1.63
20.95	1.97	0.00	1.97	23.55	1.62	0.00	1.62
21.00	1.96	0.00	1.96	23.60	1.61	0.00	1.61
21.05	1.95	0.00	1.95	23.65	1.61	0.00	1.61
21.10	1.94	0.00	1.94	23.70	1.60	0.00	1.60
21.15	1.94	0.00	1.94	23.75	1.59	0.00	1.59
21.20	1.93	0.00	1.93	23.80	1.59	0.00	1.59
21.25	1.92	0.00	1.92	23.85	1.58	0.00	1.58
21.30	1.92	0.00	1.92	23.90	1.57	0.00	1.57
21.35	1.91	0.00	1.91	23.95	1.57	0.00	1.57
21.40	1.91	0.00	1.91	24.00	1.56	0.00	1.56
21.45	1.90	0.00	1.90	24.05	1.57	0.00	1.57
21.50	1.89	0.00	1.89	24.10	1.56	0.00	1.56
21.55	1.89	0.00	1.89	24.15	1.54	0.00	1.54
21.60	1.88	0.00	1.88	24.20	1.46	0.00	1.46
21.65	1.87	0.00	1.87	24.25	1.31	0.00	1.31
21.70	1.87	0.00	1.87	24.30	1.13	0.00	1.13
21.75	1.86	0.00	1.86	24.35	0.92	0.00	0.92
21.80	1.85	0.00	1.85	24.40	0.73	0.00	0.73
21.85	1.85	0.00	1.85	24.45	0.55	0.00	0.55
21.90	1.84	0.00	1.84	24.50	0.41	0.00	0.41
21.95	1.83	0.00	1.83	24.55	0.31	0.00	0.31
22.00	1.83	0.00	1.83	24.60	0.24	0.00	0.24
22.05	1.82	0.00	1.82	24.65	0.18	0.00	0.18
22.10	1.82	0.00	1.82	24.70	0.13	0.00	0.13
22.15	1.81	0.00	1.81	24.75	0.10	0.00	0.10
22.20	1.80	0.00	1.80	24.80	0.08	0.00	0.08
22.25	1.79	0.00	1.79	24.85	0.06	0.00	0.06
22.30	1.79	0.00	1.79	24.90	0.04	0.00	0.04
22.35	1.78	0.00	1.78	24.95	0.03	0.00	0.03
22.40	1.78	0.00	1.78	25.00	0.02	0.00	0.02
22.45	1.77	0.00	1.77	25.05	0.02	0.00	0.02
22.50	1.76	0.00	1.76	25.10	0.01	0.00	0.01
22.55	1.76	0.00	1.76	25.15	0.01	0.00	0.01
22.60	1.75	0.00	1.75	25.20	0.01	0.00	0.01
22.65	1.74	0.00	1.74	25.25	0.00	0.00	0.00
22.70	1.73	0.00	1.73	25.30	0.00	0.00	0.00
22.75	1.73	0.00	1.73	25.35	0.00	0.00	0.00
22.80	1.72	0.00	1.72	25.40	0.00	0.00	0.00
22.85	1.72	0.00	1.72	25.45	0.00	0.00	0.00
22.90	1.71	0.00	1.71	25.50	0.00	0.00	0.00
22.95	1.70	0.00	1.70	25.55	0.00	0.00	0.00
23.00	1.69	0.00	1.69	25.60	0.00	0.00	0.00
23.05	1.69	0.00	1.69	25.65	0.00	0.00	0.00
23.10	1.68	0.00	1.68	25.70	0.00	0.00	0.00
23.15	1.67	0.00	1.67	25.75	0.00	0.00	0.00
23.20	1.67	0.00	1.67	25.80	0.00	0.00	0.00
23.25	1.66	0.00	1.66	25.85	0.00	0.00	0.00
23.30	1.65	0.00	1.65	25.90	0.00	0.00	0.00
23.35	1.65	0.00	1.65	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

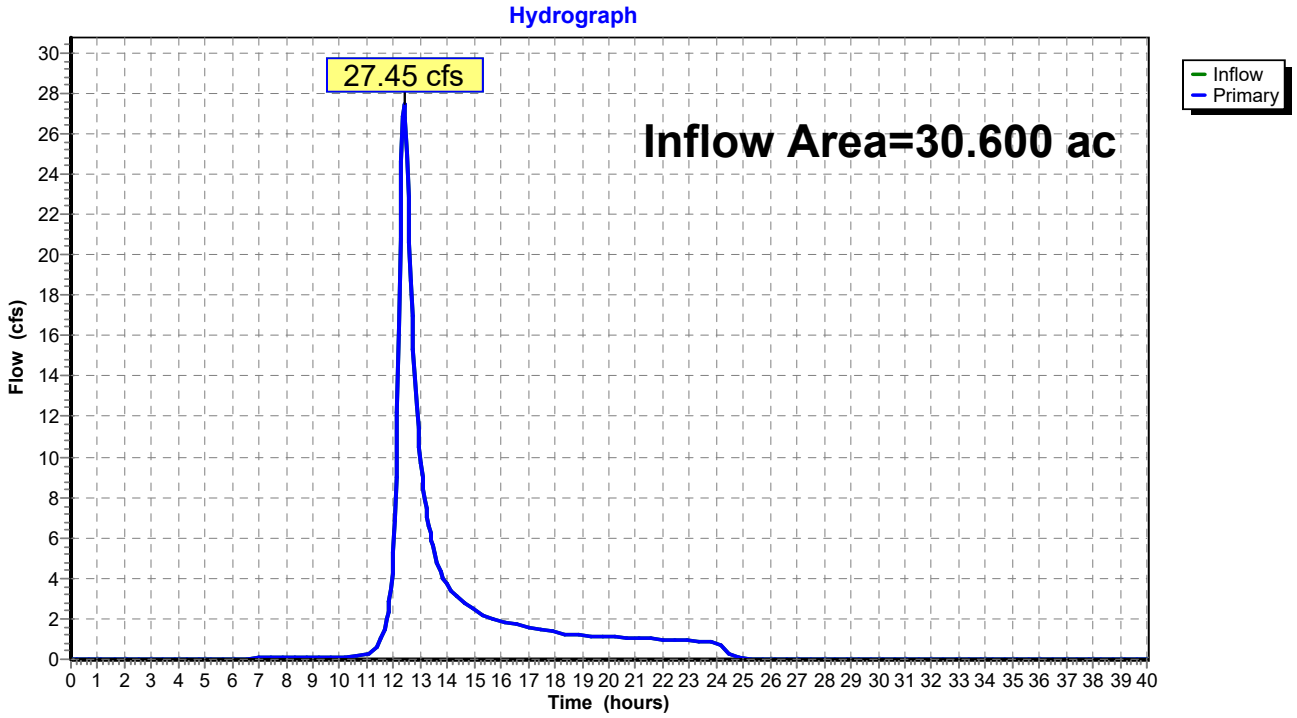
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 1.29" for Future 2 yr event
Inflow = 27.45 cfs @ 12.40 hrs, Volume= 3.289 af
Primary = 27.45 cfs @ 12.40 hrs, Volume= 3.289 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.03	0.00	0.03
1.60	0.00	0.00	0.00	4.20	0.03	0.00	0.03
1.65	0.00	0.00	0.00	4.25	0.03	0.00	0.03
1.70	0.00	0.00	0.00	4.30	0.03	0.00	0.03
1.75	0.00	0.00	0.00	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.03	0.00	0.03	8.05	0.06	0.00	0.06
5.50	0.03	0.00	0.03	8.10	0.06	0.00	0.06
5.55	0.03	0.00	0.03	8.15	0.06	0.00	0.06
5.60	0.03	0.00	0.03	8.20	0.06	0.00	0.06
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.04	0.00	0.04	8.30	0.06	0.00	0.06
5.75	0.04	0.00	0.04	8.35	0.06	0.00	0.06
5.80	0.04	0.00	0.04	8.40	0.06	0.00	0.06
5.85	0.04	0.00	0.04	8.45	0.06	0.00	0.06
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.07	0.00	0.07
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.08	0.00	0.08
6.70	0.04	0.00	0.04	9.30	0.08	0.00	0.08
6.75	0.04	0.00	0.04	9.35	0.08	0.00	0.08
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.05	0.00	0.05	9.50	0.08	0.00	0.08
6.95	0.05	0.00	0.05	9.55	0.09	0.00	0.09
7.00	0.05	0.00	0.05	9.60	0.09	0.00	0.09
7.05	0.05	0.00	0.05	9.65	0.09	0.00	0.09
7.10	0.05	0.00	0.05	9.70	0.09	0.00	0.09
7.15	0.05	0.00	0.05	9.75	0.09	0.00	0.09
7.20	0.05	0.00	0.05	9.80	0.10	0.00	0.10
7.25	0.05	0.00	0.05	9.85	0.10	0.00	0.10
7.30	0.05	0.00	0.05	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.11	0.00	0.11
7.50	0.05	0.00	0.05	10.10	0.11	0.00	0.11
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.12	0.00	0.12
7.70	0.05	0.00	0.05	10.30	0.12	0.00	0.12
7.75	0.06	0.00	0.06	10.35	0.12	0.00	0.12

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.12	0.00	0.12	13.00	9.68	0.00	9.68
10.45	0.12	0.00	0.12	13.05	9.00	0.00	9.00
10.50	0.13	0.00	0.13	13.10	8.41	0.00	8.41
10.55	0.13	0.00	0.13	13.15	7.88	0.00	7.88
10.60	0.13	0.00	0.13	13.20	7.41	0.00	7.41
10.65	0.13	0.00	0.13	13.25	6.98	0.00	6.98
10.70	0.14	0.00	0.14	13.30	6.59	0.00	6.59
10.75	0.14	0.00	0.14	13.35	6.23	0.00	6.23
10.80	0.15	0.00	0.15	13.40	5.91	0.00	5.91
10.85	0.15	0.00	0.15	13.45	5.61	0.00	5.61
10.90	0.16	0.00	0.16	13.50	5.34	0.00	5.34
10.95	0.17	0.00	0.17	13.55	5.09	0.00	5.09
11.00	0.18	0.00	0.18	13.60	4.87	0.00	4.87
11.05	0.20	0.00	0.20	13.65	4.66	0.00	4.66
11.10	0.23	0.00	0.23	13.70	4.46	0.00	4.46
11.15	0.27	0.00	0.27	13.75	4.26	0.00	4.26
11.20	0.31	0.00	0.31	13.80	4.09	0.00	4.09
11.25	0.37	0.00	0.37	13.85	3.93	0.00	3.93
11.30	0.45	0.00	0.45	13.90	3.79	0.00	3.79
11.35	0.53	0.00	0.53	13.95	3.68	0.00	3.68
11.40	0.63	0.00	0.63	14.00	3.58	0.00	3.58
11.45	0.74	0.00	0.74	14.05	3.49	0.00	3.49
11.50	0.87	0.00	0.87	14.10	3.42	0.00	3.42
11.55	1.01	0.00	1.01	14.15	3.35	0.00	3.35
11.60	1.17	0.00	1.17	14.20	3.28	0.00	3.28
11.65	1.38	0.00	1.38	14.25	3.22	0.00	3.22
11.70	1.63	0.00	1.63	14.30	3.17	0.00	3.17
11.75	1.95	0.00	1.95	14.35	3.12	0.00	3.12
11.80	2.34	0.00	2.34	14.40	3.06	0.00	3.06
11.85	2.82	0.00	2.82	14.45	3.01	0.00	3.01
11.90	3.42	0.00	3.42	14.50	2.96	0.00	2.96
11.95	4.21	0.00	4.21	14.55	2.91	0.00	2.91
12.00	5.29	0.00	5.29	14.60	2.86	0.00	2.86
12.05	6.80	0.00	6.80	14.65	2.82	0.00	2.82
12.10	9.04	0.00	9.04	14.70	2.77	0.00	2.77
12.15	12.25	0.00	12.25	14.75	2.72	0.00	2.72
12.20	16.34	0.00	16.34	14.80	2.67	0.00	2.67
12.25	20.76	0.00	20.76	14.85	2.62	0.00	2.62
12.30	24.57	0.00	24.57	14.90	2.57	0.00	2.57
12.35	26.84	0.00	26.84	14.95	2.52	0.00	2.52
12.40	**27.45**	0.00	**27.45**	15.00	2.47	0.00	2.47
12.45	26.75	0.00	26.75	15.05	2.42	0.00	2.42
12.50	25.06	0.00	25.06	15.10	2.37	0.00	2.37
12.55	22.87	0.00	22.87	15.15	2.32	0.00	2.32
12.60	20.63	0.00	20.63	15.20	2.27	0.00	2.27
12.65	18.69	0.00	18.69	15.25	2.22	0.00	2.22
12.70	16.95	0.00	16.95	15.30	2.18	0.00	2.18
12.75	15.35	0.00	15.35	15.35	2.14	0.00	2.14
12.80	13.88	0.00	13.88	15.40	2.10	0.00	2.10
12.85	12.59	0.00	12.59	15.45	2.07	0.00	2.07
12.90	11.47	0.00	11.47	15.50	2.04	0.00	2.04
12.95	10.50	0.00	10.50	15.55	2.02	0.00	2.02

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.00	0.00	2.00	18.20	1.28	0.00	1.28
15.65	1.98	0.00	1.98	18.25	1.27	0.00	1.27
15.70	1.96	0.00	1.96	18.30	1.26	0.00	1.26
15.75	1.95	0.00	1.95	18.35	1.24	0.00	1.24
15.80	1.93	0.00	1.93	18.40	1.23	0.00	1.23
15.85	1.92	0.00	1.92	18.45	1.23	0.00	1.23
15.90	1.90	0.00	1.90	18.50	1.22	0.00	1.22
15.95	1.89	0.00	1.89	18.55	1.21	0.00	1.21
16.00	1.88	0.00	1.88	18.60	1.21	0.00	1.21
16.05	1.86	0.00	1.86	18.65	1.20	0.00	1.20
16.10	1.85	0.00	1.85	18.70	1.20	0.00	1.20
16.15	1.84	0.00	1.84	18.75	1.19	0.00	1.19
16.20	1.82	0.00	1.82	18.80	1.19	0.00	1.19
16.25	1.81	0.00	1.81	18.85	1.19	0.00	1.19
16.30	1.80	0.00	1.80	18.90	1.18	0.00	1.18
16.35	1.78	0.00	1.78	18.95	1.18	0.00	1.18
16.40	1.77	0.00	1.77	19.00	1.17	0.00	1.17
16.45	1.76	0.00	1.76	19.05	1.17	0.00	1.17
16.50	1.75	0.00	1.75	19.10	1.17	0.00	1.17
16.55	1.73	0.00	1.73	19.15	1.16	0.00	1.16
16.60	1.72	0.00	1.72	19.20	1.16	0.00	1.16
16.65	1.71	0.00	1.71	19.25	1.16	0.00	1.16
16.70	1.69	0.00	1.69	19.30	1.15	0.00	1.15
16.75	1.68	0.00	1.68	19.35	1.15	0.00	1.15
16.80	1.67	0.00	1.67	19.40	1.15	0.00	1.15
16.85	1.65	0.00	1.65	19.45	1.14	0.00	1.14
16.90	1.64	0.00	1.64	19.50	1.14	0.00	1.14
16.95	1.63	0.00	1.63	19.55	1.14	0.00	1.14
17.00	1.61	0.00	1.61	19.60	1.14	0.00	1.14
17.05	1.60	0.00	1.60	19.65	1.13	0.00	1.13
17.10	1.59	0.00	1.59	19.70	1.13	0.00	1.13
17.15	1.57	0.00	1.57	19.75	1.13	0.00	1.13
17.20	1.56	0.00	1.56	19.80	1.12	0.00	1.12
17.25	1.55	0.00	1.55	19.85	1.12	0.00	1.12
17.30	1.53	0.00	1.53	19.90	1.12	0.00	1.12
17.35	1.52	0.00	1.52	19.95	1.11	0.00	1.11
17.40	1.50	0.00	1.50	20.00	1.11	0.00	1.11
17.45	1.49	0.00	1.49	20.05	1.11	0.00	1.11
17.50	1.48	0.00	1.48	20.10	1.10	0.00	1.10
17.55	1.46	0.00	1.46	20.15	1.10	0.00	1.10
17.60	1.45	0.00	1.45	20.20	1.10	0.00	1.10
17.65	1.43	0.00	1.43	20.25	1.09	0.00	1.09
17.70	1.42	0.00	1.42	20.30	1.09	0.00	1.09
17.75	1.41	0.00	1.41	20.35	1.09	0.00	1.09
17.80	1.39	0.00	1.39	20.40	1.08	0.00	1.08
17.85	1.38	0.00	1.38	20.45	1.08	0.00	1.08
17.90	1.37	0.00	1.37	20.50	1.08	0.00	1.08
17.95	1.35	0.00	1.35	20.55	1.07	0.00	1.07
18.00	1.34	0.00	1.34	20.60	1.07	0.00	1.07
18.05	1.32	0.00	1.32	20.65	1.07	0.00	1.07
18.10	1.31	0.00	1.31	20.70	1.06	0.00	1.06
18.15	1.30	0.00	1.30	20.75	1.06	0.00	1.06

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.06	0.00	1.06	23.40	0.87	0.00	0.87
20.85	1.05	0.00	1.05	23.45	0.87	0.00	0.87
20.90	1.05	0.00	1.05	23.50	0.87	0.00	0.87
20.95	1.05	0.00	1.05	23.55	0.86	0.00	0.86
21.00	1.04	0.00	1.04	23.60	0.86	0.00	0.86
21.05	1.04	0.00	1.04	23.65	0.86	0.00	0.86
21.10	1.04	0.00	1.04	23.70	0.85	0.00	0.85
21.15	1.03	0.00	1.03	23.75	0.85	0.00	0.85
21.20	1.03	0.00	1.03	23.80	0.84	0.00	0.84
21.25	1.02	0.00	1.02	23.85	0.84	0.00	0.84
21.30	1.02	0.00	1.02	23.90	0.84	0.00	0.84
21.35	1.02	0.00	1.02	23.95	0.83	0.00	0.83
21.40	1.01	0.00	1.01	24.00	0.83	0.00	0.83
21.45	1.01	0.00	1.01	24.05	0.83	0.00	0.83
21.50	1.01	0.00	1.01	24.10	0.83	0.00	0.83
21.55	1.01	0.00	1.01	24.15	0.82	0.00	0.82
21.60	1.00	0.00	1.00	24.20	0.78	0.00	0.78
21.65	1.00	0.00	1.00	24.25	0.70	0.00	0.70
21.70	0.99	0.00	0.99	24.30	0.60	0.00	0.60
21.75	0.99	0.00	0.99	24.35	0.49	0.00	0.49
21.80	0.99	0.00	0.99	24.40	0.39	0.00	0.39
21.85	0.98	0.00	0.98	24.45	0.29	0.00	0.29
21.90	0.98	0.00	0.98	24.50	0.22	0.00	0.22
21.95	0.98	0.00	0.98	24.55	0.17	0.00	0.17
22.00	0.97	0.00	0.97	24.60	0.13	0.00	0.13
22.05	0.97	0.00	0.97	24.65	0.09	0.00	0.09
22.10	0.97	0.00	0.97	24.70	0.07	0.00	0.07
22.15	0.96	0.00	0.96	24.75	0.05	0.00	0.05
22.20	0.96	0.00	0.96	24.80	0.04	0.00	0.04
22.25	0.96	0.00	0.96	24.85	0.03	0.00	0.03
22.30	0.95	0.00	0.95	24.90	0.02	0.00	0.02
22.35	0.95	0.00	0.95	24.95	0.02	0.00	0.02
22.40	0.95	0.00	0.95	25.00	0.01	0.00	0.01
22.45	0.94	0.00	0.94	25.05	0.01	0.00	0.01
22.50	0.94	0.00	0.94	25.10	0.01	0.00	0.01
22.55	0.93	0.00	0.93	25.15	0.00	0.00	0.00
22.60	0.93	0.00	0.93	25.20	0.00	0.00	0.00
22.65	0.93	0.00	0.93	25.25	0.00	0.00	0.00
22.70	0.92	0.00	0.92	25.30	0.00	0.00	0.00
22.75	0.92	0.00	0.92	25.35	0.00	0.00	0.00
22.80	0.92	0.00	0.92	25.40	0.00	0.00	0.00
22.85	0.91	0.00	0.91	25.45	0.00	0.00	0.00
22.90	0.91	0.00	0.91	25.50	0.00	0.00	0.00
22.95	0.91	0.00	0.91	25.55	0.00	0.00	0.00
23.00	0.90	0.00	0.90	25.60	0.00	0.00	0.00
23.05	0.90	0.00	0.90	25.65	0.00	0.00	0.00
23.10	0.90	0.00	0.90	25.70	0.00	0.00	0.00
23.15	0.89	0.00	0.89	25.75	0.00	0.00	0.00
23.20	0.89	0.00	0.89	25.80	0.00	0.00	0.00
23.25	0.89	0.00	0.89	25.85	0.00	0.00	0.00
23.30	0.88	0.00	0.88	25.90	0.00	0.00	0.00
23.35	0.88	0.00	0.88	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

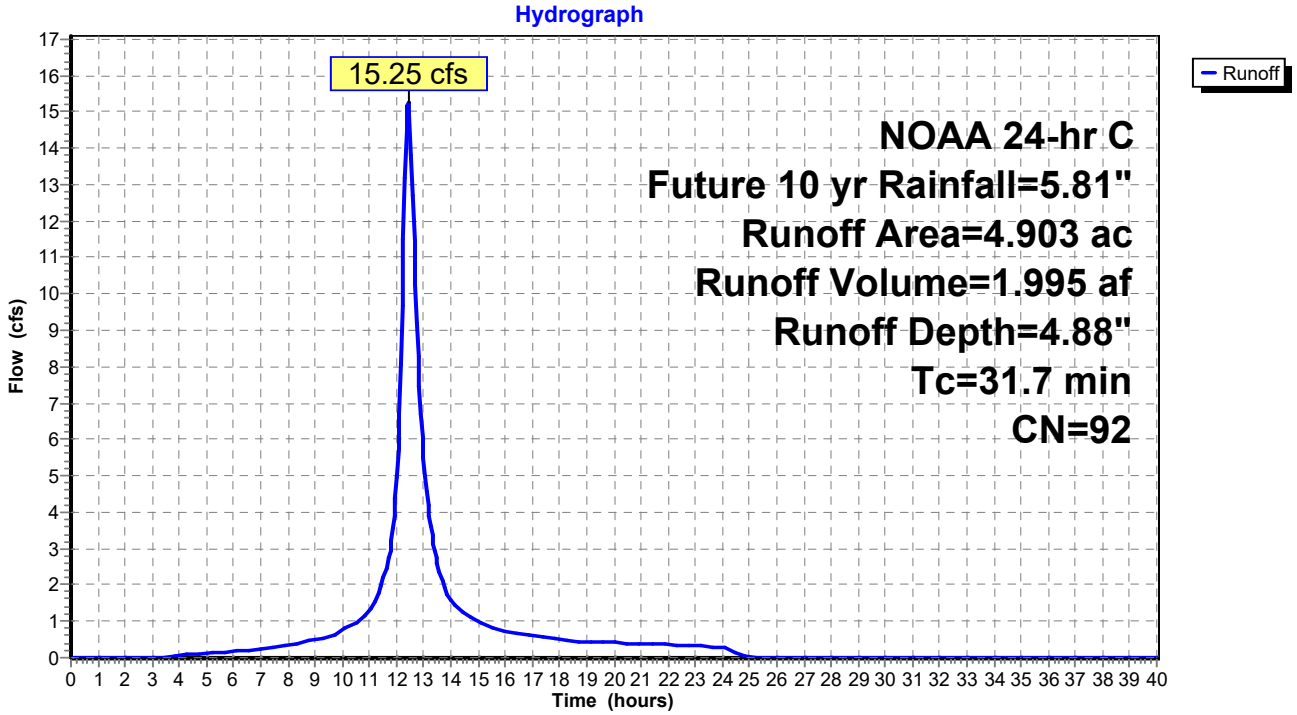
Runoff = 15.25 cfs @ 12.43 hrs, Volume= 1.995 af, Depth= 4.88"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.01
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.01
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.01
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.01
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.02
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.02
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.02
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.02
0.90	0.06	0.00	0.00	3.50	0.24	0.01	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.01	0.03
1.00	0.06	0.00	0.00	3.60	0.25	0.01	0.03
1.05	0.07	0.00	0.00	3.65	0.26	0.01	0.04
1.10	0.07	0.00	0.00	3.70	0.26	0.01	0.04
1.15	0.07	0.00	0.00	3.75	0.26	0.01	0.04
1.20	0.08	0.00	0.00	3.80	0.27	0.01	0.04
1.25	0.08	0.00	0.00	3.85	0.27	0.01	0.05
1.30	0.08	0.00	0.00	3.90	0.28	0.01	0.05
1.35	0.09	0.00	0.00	3.95	0.28	0.01	0.05
1.40	0.09	0.00	0.00	4.00	0.28	0.01	0.06
1.45	0.09	0.00	0.00	4.05	0.29	0.01	0.06
1.50	0.10	0.00	0.00	4.10	0.29	0.01	0.06
1.55	0.10	0.00	0.00	4.15	0.30	0.02	0.07
1.60	0.10	0.00	0.00	4.20	0.30	0.02	0.07
1.65	0.11	0.00	0.00	4.25	0.31	0.02	0.07
1.70	0.11	0.00	0.00	4.30	0.31	0.02	0.07
1.75	0.11	0.00	0.00	4.35	0.31	0.02	0.08
1.80	0.12	0.00	0.00	4.40	0.32	0.02	0.08
1.85	0.12	0.00	0.00	4.45	0.32	0.02	0.08
1.90	0.12	0.00	0.00	4.50	0.33	0.02	0.09
1.95	0.13	0.00	0.00	4.55	0.33	0.02	0.09
2.00	0.13	0.00	0.00	4.60	0.33	0.03	0.09
2.05	0.13	0.00	0.00	4.65	0.34	0.03	0.10
2.10	0.14	0.00	0.00	4.70	0.34	0.03	0.10
2.15	0.14	0.00	0.00	4.75	0.35	0.03	0.10
2.20	0.15	0.00	0.00	4.80	0.35	0.03	0.10
2.25	0.15	0.00	0.00	4.85	0.36	0.03	0.11
2.30	0.15	0.00	0.00	4.90	0.36	0.03	0.11
2.35	0.16	0.00	0.00	4.95	0.37	0.03	0.11
2.40	0.16	0.00	0.00	5.00	0.37	0.04	0.12
2.45	0.16	0.00	0.00	5.05	0.37	0.04	0.12
2.50	0.17	0.00	0.00	5.10	0.38	0.04	0.12
2.55	0.17	0.00	0.00	5.15	0.38	0.04	0.13

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.04	0.13	7.80	0.67	0.18	0.34
5.25	0.39	0.04	0.13	7.85	0.68	0.18	0.35
5.30	0.40	0.05	0.13	7.90	0.68	0.19	0.35
5.35	0.40	0.05	0.14	7.95	0.69	0.19	0.36
5.40	0.41	0.05	0.14	8.00	0.70	0.20	0.37
5.45	0.41	0.05	0.14	8.05	0.70	0.20	0.37
5.50	0.41	0.05	0.15	8.10	0.71	0.20	0.38
5.55	0.42	0.05	0.15	8.15	0.72	0.21	0.38
5.60	0.42	0.06	0.15	8.20	0.72	0.21	0.39
5.65	0.43	0.06	0.15	8.25	0.73	0.22	0.40
5.70	0.43	0.06	0.16	8.30	0.74	0.22	0.40
5.75	0.44	0.06	0.16	8.35	0.75	0.23	0.41
5.80	0.44	0.06	0.16	8.40	0.75	0.23	0.41
5.85	0.45	0.07	0.17	8.45	0.76	0.24	0.42
5.90	0.45	0.07	0.17	8.50	0.77	0.24	0.43
5.95	0.46	0.07	0.17	8.55	0.78	0.25	0.43
6.00	0.46	0.07	0.17	8.60	0.78	0.25	0.44
6.05	0.47	0.07	0.18	8.65	0.79	0.26	0.44
6.10	0.47	0.08	0.18	8.70	0.80	0.26	0.45
6.15	0.47	0.08	0.18	8.75	0.81	0.27	0.46
6.20	0.48	0.08	0.19	8.80	0.82	0.27	0.46
6.25	0.48	0.08	0.19	8.85	0.82	0.28	0.47
6.30	0.49	0.08	0.19	8.90	0.83	0.28	0.48
6.35	0.50	0.09	0.20	8.95	0.84	0.29	0.48
6.40	0.50	0.09	0.20	9.00	0.85	0.29	0.49
6.45	0.51	0.09	0.20	9.05	0.86	0.30	0.50
6.50	0.51	0.09	0.21	9.10	0.87	0.31	0.50
6.55	0.52	0.10	0.21	9.15	0.87	0.31	0.51
6.60	0.52	0.10	0.22	9.20	0.88	0.32	0.52
6.65	0.53	0.10	0.22	9.25	0.89	0.33	0.53
6.70	0.53	0.10	0.22	9.30	0.90	0.33	0.53
6.75	0.54	0.11	0.23	9.35	0.91	0.34	0.55
6.80	0.54	0.11	0.23	9.40	0.92	0.35	0.56
6.85	0.55	0.11	0.24	9.45	0.93	0.35	0.57
6.90	0.56	0.12	0.24	9.50	0.94	0.36	0.58
6.95	0.56	0.12	0.25	9.55	0.95	0.37	0.60
7.00	0.57	0.12	0.25	9.60	0.96	0.38	0.61
7.05	0.57	0.13	0.26	9.65	0.98	0.38	0.63
7.10	0.58	0.13	0.26	9.70	0.99	0.39	0.65
7.15	0.58	0.13	0.27	9.75	1.00	0.40	0.66
7.20	0.59	0.14	0.27	9.80	1.01	0.41	0.68
7.25	0.60	0.14	0.28	9.85	1.02	0.42	0.70
7.30	0.60	0.14	0.29	9.90	1.03	0.43	0.72
7.35	0.61	0.15	0.29	9.95	1.05	0.44	0.74
7.40	0.62	0.15	0.30	10.00	1.06	0.45	0.76
7.45	0.62	0.15	0.30	10.05	1.07	0.46	0.77
7.50	0.63	0.16	0.31	10.10	1.09	0.47	0.79
7.55	0.64	0.16	0.31	10.15	1.10	0.48	0.81
7.60	0.64	0.16	0.32	10.20	1.11	0.49	0.83
7.65	0.65	0.17	0.32	10.25	1.13	0.50	0.85
7.70	0.65	0.17	0.33	10.30	1.14	0.51	0.87
7.75	0.66	0.18	0.34	10.35	1.15	0.52	0.89

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.53	0.91	13.00	4.42	3.52	5.48
10.45	1.18	0.54	0.93	13.05	4.44	3.54	4.99
10.50	1.20	0.55	0.95	13.10	4.46	3.56	4.56
10.55	1.21	0.57	0.98	13.15	4.48	3.59	4.20
10.60	1.23	0.58	1.00	13.20	4.50	3.61	3.88
10.65	1.25	0.59	1.02	13.25	4.52	3.63	3.60
10.70	1.27	0.61	1.04	13.30	4.54	3.64	3.35
10.75	1.29	0.62	1.07	13.35	4.56	3.66	3.13
10.80	1.31	0.64	1.11	13.40	4.58	3.68	2.93
10.85	1.33	0.66	1.15	13.45	4.60	3.70	2.75
10.90	1.35	0.67	1.19	13.50	4.61	3.71	2.59
10.95	1.37	0.69	1.24	13.55	4.63	3.73	2.44
11.00	1.39	0.71	1.29	13.60	4.64	3.74	2.31
11.05	1.42	0.73	1.35	13.65	4.66	3.75	2.19
11.10	1.45	0.76	1.41	13.70	4.67	3.77	2.07
11.15	1.48	0.78	1.48	13.75	4.68	3.78	1.97
11.20	1.51	0.81	1.55	13.80	4.70	3.79	1.87
11.25	1.54	0.83	1.63	13.85	4.71	3.81	1.78
11.30	1.57	0.86	1.72	13.90	4.72	3.82	1.70
11.35	1.61	0.89	1.81	13.95	4.74	3.83	1.63
11.40	1.64	0.92	1.91	14.00	4.75	3.85	1.57
11.45	1.68	0.95	2.02	14.05	4.76	3.86	1.52
11.50	1.72	0.99	2.13	14.10	4.78	3.87	1.48
11.55	1.78	1.04	2.25	14.15	4.79	3.88	1.44
11.60	1.83	1.09	2.39	14.20	4.80	3.89	1.40
11.65	1.90	1.14	2.54	14.25	4.81	3.91	1.37
11.70	1.96	1.20	2.72	14.30	4.82	3.92	1.34
11.75	2.04	1.28	2.95	14.35	4.83	3.93	1.31
11.80	2.13	1.35	3.22	14.40	4.85	3.94	1.28
11.85	2.25	1.46	3.54	14.45	4.86	3.95	1.26
11.90	2.36	1.57	3.92	14.50	4.87	3.96	1.23
11.95	2.57	1.75	4.38	14.55	4.88	3.97	1.21
12.00	2.77	1.94	4.95	14.60	4.89	3.98	1.19
12.05	3.11	2.26	5.70	14.65	4.90	3.99	1.16
12.10	3.45	2.59	6.71	14.70	4.91	4.00	1.14
12.15	3.56	2.70	8.04	14.75	4.92	4.01	1.12
12.20	3.68	2.81	9.68	14.80	4.93	4.02	1.10
12.25	3.77	2.89	11.48	14.85	4.94	4.03	1.08
12.30	3.85	2.97	13.19	14.90	4.94	4.03	1.06
12.35	3.91	3.03	14.50	14.95	4.95	4.04	1.03
12.40	3.98	3.09	15.16	15.00	4.96	4.05	1.01
12.45	4.03	3.15	**15.21**	15.05	4.97	4.06	0.99
12.50	4.09	3.21	14.71	15.10	4.98	4.07	0.97
12.55	4.13	3.24	13.82	15.15	4.99	4.08	0.95
12.60	4.17	3.28	12.68	15.20	4.99	4.08	0.93
12.65	4.20	3.32	11.45	15.25	5.00	4.09	0.91
12.70	4.24	3.35	10.25	15.30	5.01	4.10	0.89
12.75	4.27	3.38	9.20	15.35	5.02	4.11	0.87
12.80	4.30	3.41	8.27	15.40	5.03	4.11	0.85
12.85	4.33	3.44	7.43	15.45	5.03	4.12	0.84
12.90	4.36	3.47	6.69	15.50	5.04	4.13	0.82
12.95	4.39	3.49	6.04	15.55	5.05	4.14	0.81

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.14	0.80	18.20	5.37	4.45	0.49
15.65	5.06	4.15	0.79	18.25	5.37	4.45	0.49
15.70	5.07	4.16	0.78	18.30	5.38	4.46	0.48
15.75	5.08	4.17	0.77	18.35	5.38	4.46	0.48
15.80	5.09	4.17	0.77	18.40	5.39	4.47	0.47
15.85	5.09	4.18	0.76	18.45	5.39	4.47	0.47
15.90	5.10	4.19	0.75	18.50	5.40	4.48	0.46
15.95	5.11	4.19	0.74	18.55	5.40	4.48	0.46
16.00	5.11	4.20	0.74	18.60	5.40	4.49	0.46
16.05	5.12	4.21	0.73	18.65	5.41	4.49	0.45
16.10	5.13	4.21	0.73	18.70	5.41	4.49	0.45
16.15	5.13	4.22	0.72	18.75	5.42	4.50	0.45
16.20	5.14	4.23	0.71	18.80	5.42	4.50	0.45
16.25	5.15	4.23	0.71	18.85	5.43	4.51	0.45
16.30	5.16	4.24	0.70	18.90	5.43	4.51	0.44
16.35	5.16	4.25	0.70	18.95	5.44	4.52	0.44
16.40	5.17	4.25	0.69	19.00	5.44	4.52	0.44
16.45	5.17	4.26	0.69	19.05	5.44	4.52	0.44
16.50	5.18	4.27	0.68	19.10	5.45	4.53	0.44
16.55	5.19	4.27	0.67	19.15	5.45	4.53	0.44
16.60	5.19	4.28	0.67	19.20	5.46	4.54	0.43
16.65	5.20	4.29	0.66	19.25	5.46	4.54	0.43
16.70	5.21	4.29	0.66	19.30	5.47	4.55	0.43
16.75	5.21	4.30	0.65	19.35	5.47	4.55	0.43
16.80	5.22	4.30	0.65	19.40	5.48	4.55	0.43
16.85	5.23	4.31	0.64	19.45	5.48	4.56	0.43
16.90	5.23	4.32	0.64	19.50	5.48	4.56	0.43
16.95	5.24	4.32	0.63	19.55	5.49	4.57	0.42
17.00	5.24	4.33	0.62	19.60	5.49	4.57	0.42
17.05	5.25	4.33	0.62	19.65	5.50	4.58	0.42
17.10	5.25	4.34	0.61	19.70	5.50	4.58	0.42
17.15	5.26	4.34	0.61	19.75	5.50	4.58	0.42
17.20	5.27	4.35	0.60	19.80	5.51	4.59	0.42
17.25	5.27	4.36	0.60	19.85	5.51	4.59	0.42
17.30	5.28	4.36	0.59	19.90	5.52	4.60	0.42
17.35	5.28	4.37	0.59	19.95	5.52	4.60	0.41
17.40	5.29	4.37	0.58	20.00	5.53	4.60	0.41
17.45	5.29	4.38	0.57	20.05	5.53	4.61	0.41
17.50	5.30	4.38	0.57	20.10	5.53	4.61	0.41
17.55	5.30	4.39	0.56	20.15	5.54	4.62	0.41
17.60	5.31	4.39	0.56	20.20	5.54	4.62	0.41
17.65	5.31	4.40	0.55	20.25	5.55	4.62	0.41
17.70	5.32	4.40	0.55	20.30	5.55	4.63	0.40
17.75	5.33	4.41	0.54	20.35	5.55	4.63	0.40
17.80	5.33	4.41	0.54	20.40	5.56	4.64	0.40
17.85	5.34	4.42	0.53	20.45	5.56	4.64	0.40
17.90	5.34	4.42	0.52	20.50	5.57	4.64	0.40
17.95	5.34	4.43	0.52	20.55	5.57	4.65	0.40
18.00	5.35	4.43	0.51	20.60	5.57	4.65	0.40
18.05	5.35	4.44	0.51	20.65	5.58	4.65	0.39
18.10	5.36	4.44	0.50	20.70	5.58	4.66	0.39
18.15	5.36	4.44	0.50	20.75	5.59	4.66	0.39

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	4.67	0.39	23.40	5.77	4.85	0.32
20.85	5.59	4.67	0.39	23.45	5.78	4.85	0.32
20.90	5.60	4.67	0.39	23.50	5.78	4.85	0.31
20.95	5.60	4.68	0.39	23.55	5.78	4.85	0.31
21.00	5.61	4.68	0.38	23.60	5.78	4.86	0.31
21.05	5.61	4.69	0.38	23.65	5.79	4.86	0.31
21.10	5.61	4.69	0.38	23.70	5.79	4.86	0.31
21.15	5.62	4.69	0.38	23.75	5.79	4.87	0.31
21.20	5.62	4.70	0.38	23.80	5.80	4.87	0.31
21.25	5.62	4.70	0.38	23.85	5.80	4.87	0.31
21.30	5.63	4.70	0.38	23.90	5.80	4.88	0.30
21.35	5.63	4.71	0.37	23.95	5.81	4.88	0.30
21.40	5.64	4.71	0.37	24.00	**5.81**	**4.88**	0.30
21.45	5.64	4.71	0.37	24.05	5.81	4.88	0.30
21.50	5.64	4.72	0.37	24.10	5.81	4.88	0.30
21.55	5.65	4.72	0.37	24.15	5.81	4.88	0.30
21.60	5.65	4.73	0.37	24.20	5.81	4.88	0.29
21.65	5.65	4.73	0.37	24.25	5.81	4.88	0.27
21.70	5.66	4.73	0.37	24.30	5.81	4.88	0.25
21.75	5.66	4.74	0.36	24.35	5.81	4.88	0.22
21.80	5.66	4.74	0.36	24.40	5.81	4.88	0.19
21.85	5.67	4.74	0.36	24.45	5.81	4.88	0.16
21.90	5.67	4.75	0.36	24.50	5.81	4.88	0.13
21.95	5.68	4.75	0.36	24.55	5.81	4.88	0.10
22.00	5.68	4.75	0.36	24.60	5.81	4.88	0.08
22.05	5.68	4.76	0.36	24.65	5.81	4.88	0.06
22.10	5.69	4.76	0.35	24.70	5.81	4.88	0.05
22.15	5.69	4.76	0.35	24.75	5.81	4.88	0.04
22.20	5.69	4.77	0.35	24.80	5.81	4.88	0.03
22.25	5.70	4.77	0.35	24.85	5.81	4.88	0.02
22.30	5.70	4.77	0.35	24.90	5.81	4.88	0.02
22.35	5.70	4.78	0.35	24.95	5.81	4.88	0.02
22.40	5.71	4.78	0.35	25.00	5.81	4.88	0.01
22.45	5.71	4.78	0.34	25.05	5.81	4.88	0.01
22.50	5.71	4.79	0.34	25.10	5.81	4.88	0.01
22.55	5.72	4.79	0.34	25.15	5.81	4.88	0.01
22.60	5.72	4.79	0.34	25.20	5.81	4.88	0.00
22.65	5.72	4.80	0.34	25.25	5.81	4.88	0.00
22.70	5.73	4.80	0.34	25.30	5.81	4.88	0.00
22.75	5.73	4.80	0.34	25.35	5.81	4.88	0.00
22.80	5.73	4.81	0.33	25.40	5.81	4.88	0.00
22.85	5.74	4.81	0.33	25.45	5.81	4.88	0.00
22.90	5.74	4.81	0.33	25.50	5.81	4.88	0.00
22.95	5.74	4.82	0.33	25.55	5.81	4.88	0.00
23.00	5.75	4.82	0.33	25.60	5.81	4.88	0.00
23.05	5.75	4.82	0.33	25.65	5.81	4.88	0.00
23.10	5.75	4.83	0.33	25.70	5.81	4.88	0.00
23.15	5.76	4.83	0.32	25.75	5.81	4.88	0.00
23.20	5.76	4.83	0.32	25.80	5.81	4.88	0.00
23.25	5.76	4.84	0.32	25.85	5.81	4.88	0.00
23.30	5.77	4.84	0.32	25.90	5.81	4.88	0.00
23.35	5.77	4.84	0.32	25.95	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	4.88	0.00	28.60	5.81	4.88	0.00
26.05	5.81	4.88	0.00	28.65	5.81	4.88	0.00
26.10	5.81	4.88	0.00	28.70	5.81	4.88	0.00
26.15	5.81	4.88	0.00	28.75	5.81	4.88	0.00
26.20	5.81	4.88	0.00	28.80	5.81	4.88	0.00
26.25	5.81	4.88	0.00	28.85	5.81	4.88	0.00
26.30	5.81	4.88	0.00	28.90	5.81	4.88	0.00
26.35	5.81	4.88	0.00	28.95	5.81	4.88	0.00
26.40	5.81	4.88	0.00	29.00	5.81	4.88	0.00
26.45	5.81	4.88	0.00	29.05	5.81	4.88	0.00
26.50	5.81	4.88	0.00	29.10	5.81	4.88	0.00
26.55	5.81	4.88	0.00	29.15	5.81	4.88	0.00
26.60	5.81	4.88	0.00	29.20	5.81	4.88	0.00
26.65	5.81	4.88	0.00	29.25	5.81	4.88	0.00
26.70	5.81	4.88	0.00	29.30	5.81	4.88	0.00
26.75	5.81	4.88	0.00	29.35	5.81	4.88	0.00
26.80	5.81	4.88	0.00	29.40	5.81	4.88	0.00
26.85	5.81	4.88	0.00	29.45	5.81	4.88	0.00
26.90	5.81	4.88	0.00	29.50	5.81	4.88	0.00
26.95	5.81	4.88	0.00	29.55	5.81	4.88	0.00
27.00	5.81	4.88	0.00	29.60	5.81	4.88	0.00
27.05	5.81	4.88	0.00	29.65	5.81	4.88	0.00
27.10	5.81	4.88	0.00	29.70	5.81	4.88	0.00
27.15	5.81	4.88	0.00	29.75	5.81	4.88	0.00
27.20	5.81	4.88	0.00	29.80	5.81	4.88	0.00
27.25	5.81	4.88	0.00	29.85	5.81	4.88	0.00
27.30	5.81	4.88	0.00	29.90	5.81	4.88	0.00
27.35	5.81	4.88	0.00	29.95	5.81	4.88	0.00
27.40	5.81	4.88	0.00	30.00	5.81	4.88	0.00
27.45	5.81	4.88	0.00	30.05	5.81	4.88	0.00
27.50	5.81	4.88	0.00	30.10	5.81	4.88	0.00
27.55	5.81	4.88	0.00	30.15	5.81	4.88	0.00
27.60	5.81	4.88	0.00	30.20	5.81	4.88	0.00
27.65	5.81	4.88	0.00	30.25	5.81	4.88	0.00
27.70	5.81	4.88	0.00	30.30	5.81	4.88	0.00
27.75	5.81	4.88	0.00	30.35	5.81	4.88	0.00
27.80	5.81	4.88	0.00	30.40	5.81	4.88	0.00
27.85	5.81	4.88	0.00	30.45	5.81	4.88	0.00
27.90	5.81	4.88	0.00	30.50	5.81	4.88	0.00
27.95	5.81	4.88	0.00	30.55	5.81	4.88	0.00
28.00	5.81	4.88	0.00	30.60	5.81	4.88	0.00
28.05	5.81	4.88	0.00	30.65	5.81	4.88	0.00
28.10	5.81	4.88	0.00	30.70	5.81	4.88	0.00
28.15	5.81	4.88	0.00	30.75	5.81	4.88	0.00
28.20	5.81	4.88	0.00	30.80	5.81	4.88	0.00
28.25	5.81	4.88	0.00	30.85	5.81	4.88	0.00
28.30	5.81	4.88	0.00	30.90	5.81	4.88	0.00
28.35	5.81	4.88	0.00	30.95	5.81	4.88	0.00
28.40	5.81	4.88	0.00	31.00	5.81	4.88	0.00
28.45	5.81	4.88	0.00	31.05	5.81	4.88	0.00
28.50	5.81	4.88	0.00	31.10	5.81	4.88	0.00
28.55	5.81	4.88	0.00	31.15	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	4.88	0.00	33.80	5.81	4.88	0.00
31.25	5.81	4.88	0.00	33.85	5.81	4.88	0.00
31.30	5.81	4.88	0.00	33.90	5.81	4.88	0.00
31.35	5.81	4.88	0.00	33.95	5.81	4.88	0.00
31.40	5.81	4.88	0.00	34.00	5.81	4.88	0.00
31.45	5.81	4.88	0.00	34.05	5.81	4.88	0.00
31.50	5.81	4.88	0.00	34.10	5.81	4.88	0.00
31.55	5.81	4.88	0.00	34.15	5.81	4.88	0.00
31.60	5.81	4.88	0.00	34.20	5.81	4.88	0.00
31.65	5.81	4.88	0.00	34.25	5.81	4.88	0.00
31.70	5.81	4.88	0.00	34.30	5.81	4.88	0.00
31.75	5.81	4.88	0.00	34.35	5.81	4.88	0.00
31.80	5.81	4.88	0.00	34.40	5.81	4.88	0.00
31.85	5.81	4.88	0.00	34.45	5.81	4.88	0.00
31.90	5.81	4.88	0.00	34.50	5.81	4.88	0.00
31.95	5.81	4.88	0.00	34.55	5.81	4.88	0.00
32.00	5.81	4.88	0.00	34.60	5.81	4.88	0.00
32.05	5.81	4.88	0.00	34.65	5.81	4.88	0.00
32.10	5.81	4.88	0.00	34.70	5.81	4.88	0.00
32.15	5.81	4.88	0.00	34.75	5.81	4.88	0.00
32.20	5.81	4.88	0.00	34.80	5.81	4.88	0.00
32.25	5.81	4.88	0.00	34.85	5.81	4.88	0.00
32.30	5.81	4.88	0.00	34.90	5.81	4.88	0.00
32.35	5.81	4.88	0.00	34.95	5.81	4.88	0.00
32.40	5.81	4.88	0.00	35.00	5.81	4.88	0.00
32.45	5.81	4.88	0.00	35.05	5.81	4.88	0.00
32.50	5.81	4.88	0.00	35.10	5.81	4.88	0.00
32.55	5.81	4.88	0.00	35.15	5.81	4.88	0.00
32.60	5.81	4.88	0.00	35.20	5.81	4.88	0.00
32.65	5.81	4.88	0.00	35.25	5.81	4.88	0.00
32.70	5.81	4.88	0.00	35.30	5.81	4.88	0.00
32.75	5.81	4.88	0.00	35.35	5.81	4.88	0.00
32.80	5.81	4.88	0.00	35.40	5.81	4.88	0.00
32.85	5.81	4.88	0.00	35.45	5.81	4.88	0.00
32.90	5.81	4.88	0.00	35.50	5.81	4.88	0.00
32.95	5.81	4.88	0.00	35.55	5.81	4.88	0.00
33.00	5.81	4.88	0.00	35.60	5.81	4.88	0.00
33.05	5.81	4.88	0.00	35.65	5.81	4.88	0.00
33.10	5.81	4.88	0.00	35.70	5.81	4.88	0.00
33.15	5.81	4.88	0.00	35.75	5.81	4.88	0.00
33.20	5.81	4.88	0.00	35.80	5.81	4.88	0.00
33.25	5.81	4.88	0.00	35.85	5.81	4.88	0.00
33.30	5.81	4.88	0.00	35.90	5.81	4.88	0.00
33.35	5.81	4.88	0.00	35.95	5.81	4.88	0.00
33.40	5.81	4.88	0.00	36.00	5.81	4.88	0.00
33.45	5.81	4.88	0.00	36.05	5.81	4.88	0.00
33.50	5.81	4.88	0.00	36.10	5.81	4.88	0.00
33.55	5.81	4.88	0.00	36.15	5.81	4.88	0.00
33.60	5.81	4.88	0.00	36.20	5.81	4.88	0.00
33.65	5.81	4.88	0.00	36.25	5.81	4.88	0.00
33.70	5.81	4.88	0.00	36.30	5.81	4.88	0.00
33.75	5.81	4.88	0.00	36.35	5.81	4.88	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	4.88	0.00
36.45	5.81	4.88	0.00
36.50	5.81	4.88	0.00
36.55	5.81	4.88	0.00
36.60	5.81	4.88	0.00
36.65	5.81	4.88	0.00
36.70	5.81	4.88	0.00
36.75	5.81	4.88	0.00
36.80	5.81	4.88	0.00
36.85	5.81	4.88	0.00
36.90	5.81	4.88	0.00
36.95	5.81	4.88	0.00
37.00	5.81	4.88	0.00
37.05	5.81	4.88	0.00
37.10	5.81	4.88	0.00
37.15	5.81	4.88	0.00
37.20	5.81	4.88	0.00
37.25	5.81	4.88	0.00
37.30	5.81	4.88	0.00
37.35	5.81	4.88	0.00
37.40	5.81	4.88	0.00
37.45	5.81	4.88	0.00
37.50	5.81	4.88	0.00
37.55	5.81	4.88	0.00
37.60	5.81	4.88	0.00
37.65	5.81	4.88	0.00
37.70	5.81	4.88	0.00
37.75	5.81	4.88	0.00
37.80	5.81	4.88	0.00
37.85	5.81	4.88	0.00
37.90	5.81	4.88	0.00
37.95	5.81	4.88	0.00
38.00	5.81	4.88	0.00
38.05	5.81	4.88	0.00
38.10	5.81	4.88	0.00
38.15	5.81	4.88	0.00
38.20	5.81	4.88	0.00
38.25	5.81	4.88	0.00
38.30	5.81	4.88	0.00
38.35	5.81	4.88	0.00
38.40	5.81	4.88	0.00
38.45	5.81	4.88	0.00
38.50	5.81	4.88	0.00
38.55	5.81	4.88	0.00
38.60	5.81	4.88	0.00
38.65	5.81	4.88	0.00
38.70	5.81	4.88	0.00
38.75	5.81	4.88	0.00
38.80	5.81	4.88	0.00
38.85	5.81	4.88	0.00
38.90	5.81	4.88	0.00
38.95	5.81	4.88	0.00
39.00	5.81	4.88	0.00
39.05	5.81	4.88	0.00
39.10	5.81	4.88	0.00
39.15	5.81	4.88	0.00
39.20	5.81	4.88	0.00
39.25	5.81	4.88	0.00
39.30	5.81	4.88	0.00
39.35	5.81	4.88	0.00
39.40	5.81	4.88	0.00
39.45	5.81	4.88	0.00
39.50	5.81	4.88	0.00
39.55	5.81	4.88	0.00
39.60	5.81	4.88	0.00
39.65	5.81	4.88	0.00
39.70	5.81	4.88	0.00
39.75	5.81	4.88	0.00
39.80	5.81	4.88	0.00
39.85	5.81	4.88	0.00
39.90	5.81	4.88	0.00
39.95	5.81	4.88	0.00
40.00	5.81	4.88	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

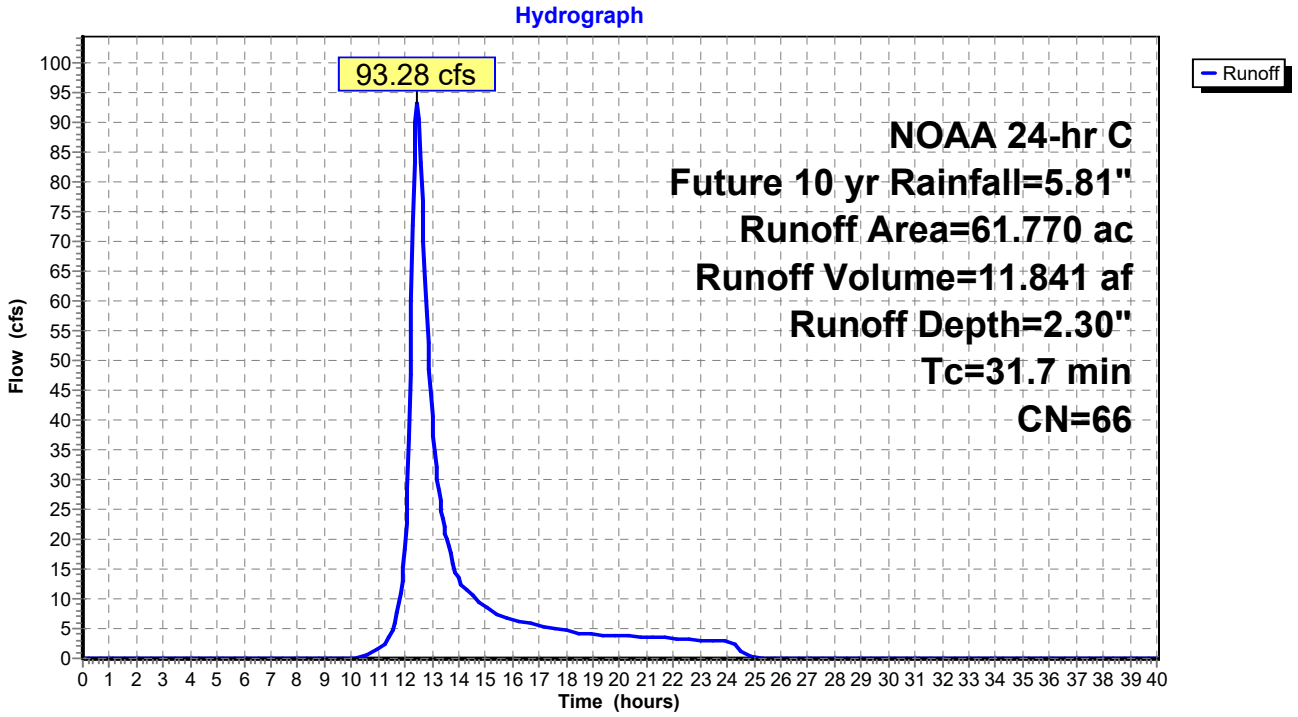
Runoff = 93.28 cfs @ 12.47 hrs, Volume= 11.841 af, Depth= 2.30"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.01
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.01
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.03
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.12

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.17	13.00	4.42	1.34	40.67
10.45	1.18	0.00	0.22	13.05	4.44	1.36	37.45
10.50	1.20	0.01	0.29	13.10	4.46	1.37	34.65
10.55	1.21	0.01	0.36	13.15	4.48	1.39	32.22
10.60	1.23	0.01	0.44	13.20	4.50	1.40	30.07
10.65	1.25	0.01	0.52	13.25	4.52	1.41	28.13
10.70	1.27	0.01	0.61	13.30	4.54	1.42	26.40
10.75	1.29	0.01	0.71	13.35	4.56	1.44	24.84
10.80	1.31	0.01	0.82	13.40	4.58	1.45	23.40
10.85	1.33	0.02	0.95	13.45	4.60	1.46	22.11
10.90	1.35	0.02	1.09	13.50	4.61	1.47	20.95
10.95	1.37	0.02	1.24	13.55	4.63	1.48	19.88
11.00	1.39	0.02	1.41	13.60	4.64	1.49	18.89
11.05	1.42	0.03	1.59	13.65	4.66	1.50	17.98
11.10	1.45	0.03	1.80	13.70	4.67	1.51	17.12
11.15	1.48	0.04	2.03	13.75	4.68	1.52	16.30
11.20	1.51	0.04	2.27	13.80	4.70	1.53	15.54
11.25	1.54	0.05	2.55	13.85	4.71	1.53	14.85
11.30	1.57	0.05	2.86	13.90	4.72	1.54	14.24
11.35	1.61	0.06	3.21	13.95	4.74	1.55	13.70
11.40	1.64	0.06	3.60	14.00	4.75	1.56	13.23
11.45	1.68	0.07	4.03	14.05	4.76	1.57	12.83
11.50	1.72	0.08	4.51	14.10	4.78	1.58	12.47
11.55	1.78	0.09	5.03	14.15	4.79	1.58	12.15
11.60	1.83	0.11	5.62	14.20	4.80	1.59	11.87
11.65	1.90	0.12	6.31	14.25	4.81	1.60	11.61
11.70	1.96	0.14	7.14	14.30	4.82	1.61	11.38
11.75	2.04	0.17	8.17	14.35	4.83	1.62	11.16
11.80	2.13	0.19	9.43	14.40	4.85	1.62	10.95
11.85	2.25	0.23	10.96	14.45	4.86	1.63	10.75
11.90	2.36	0.27	12.84	14.50	4.87	1.64	10.56
11.95	2.57	0.35	15.21	14.55	4.88	1.64	10.37
12.00	2.77	0.44	18.29	14.60	4.89	1.65	10.19
12.05	3.11	0.60	22.52	14.65	4.90	1.66	10.00
12.10	3.45	0.77	28.46	14.70	4.91	1.66	9.83
12.15	3.56	0.84	36.79	14.75	4.92	1.67	9.65
12.20	3.68	0.90	47.62	14.80	4.93	1.68	9.47
12.25	3.77	0.95	60.10	14.85	4.94	1.68	9.30
12.30	3.85	1.00	72.70	14.90	4.94	1.69	9.13
12.35	3.91	1.03	83.39	14.95	4.95	1.70	8.95
12.40	3.98	1.07	90.19	15.00	4.96	1.70	8.78
12.45	4.03	1.11	**93.11**	15.05	4.97	1.71	8.61
12.50	4.09	1.14	92.40	15.10	4.98	1.71	8.43
12.55	4.13	1.17	88.79	15.15	4.99	1.72	8.25
12.60	4.17	1.19	83.26	15.20	4.99	1.72	8.08
12.65	4.20	1.21	76.69	15.25	5.00	1.73	7.92
12.70	4.24	1.23	69.91	15.30	5.01	1.73	7.75
12.75	4.27	1.25	63.77	15.35	5.02	1.74	7.59
12.80	4.30	1.27	58.19	15.40	5.03	1.74	7.45
12.85	4.33	1.29	53.08	15.45	5.03	1.75	7.32
12.90	4.36	1.31	48.44	15.50	5.04	1.76	7.20
12.95	4.39	1.33	44.29	15.55	5.05	1.76	7.10

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.77	7.01	18.20	5.37	1.98	4.44
15.65	5.06	1.77	6.93	18.25	5.37	1.99	4.39
15.70	5.07	1.78	6.86	18.30	5.38	1.99	4.34
15.75	5.08	1.78	6.79	18.35	5.38	1.99	4.30
15.80	5.09	1.79	6.73	18.40	5.39	2.00	4.26
15.85	5.09	1.79	6.67	18.45	5.39	2.00	4.22
15.90	5.10	1.80	6.61	18.50	5.40	2.00	4.19
15.95	5.11	1.80	6.56	18.55	5.40	2.01	4.17
16.00	5.11	1.81	6.51	18.60	5.40	2.01	4.14
16.05	5.12	1.81	6.46	18.65	5.41	2.01	4.12
16.10	5.13	1.82	6.41	18.70	5.41	2.02	4.10
16.15	5.13	1.82	6.36	18.75	5.42	2.02	4.08
16.20	5.14	1.82	6.31	18.80	5.42	2.02	4.06
16.25	5.15	1.83	6.27	18.85	5.43	2.02	4.05
16.30	5.16	1.83	6.22	18.90	5.43	2.03	4.04
16.35	5.16	1.84	6.17	18.95	5.44	2.03	4.02
16.40	5.17	1.84	6.13	19.00	5.44	2.03	4.01
16.45	5.17	1.85	6.09	19.05	5.44	2.04	4.00
16.50	5.18	1.85	6.04	19.10	5.45	2.04	3.98
16.55	5.19	1.86	5.99	19.15	5.45	2.04	3.97
16.60	5.19	1.86	5.95	19.20	5.46	2.05	3.96
16.65	5.20	1.87	5.90	19.25	5.46	2.05	3.95
16.70	5.21	1.87	5.85	19.30	5.47	2.05	3.93
16.75	5.21	1.87	5.81	19.35	5.47	2.06	3.92
16.80	5.22	1.88	5.76	19.40	5.48	2.06	3.91
16.85	5.23	1.88	5.71	19.45	5.48	2.06	3.90
16.90	5.23	1.89	5.67	19.50	5.48	2.06	3.89
16.95	5.24	1.89	5.62	19.55	5.49	2.07	3.88
17.00	5.24	1.90	5.58	19.60	5.49	2.07	3.87
17.05	5.25	1.90	5.53	19.65	5.50	2.07	3.85
17.10	5.25	1.90	5.48	19.70	5.50	2.08	3.84
17.15	5.26	1.91	5.44	19.75	5.50	2.08	3.83
17.20	5.27	1.91	5.39	19.80	5.51	2.08	3.82
17.25	5.27	1.92	5.34	19.85	5.51	2.09	3.81
17.30	5.28	1.92	5.30	19.90	5.52	2.09	3.80
17.35	5.28	1.92	5.25	19.95	5.52	2.09	3.79
17.40	5.29	1.93	5.20	20.00	5.53	2.09	3.78
17.45	5.29	1.93	5.16	20.05	5.53	2.10	3.77
17.50	5.30	1.93	5.11	20.10	5.53	2.10	3.76
17.55	5.30	1.94	5.06	20.15	5.54	2.10	3.74
17.60	5.31	1.94	5.01	20.20	5.54	2.11	3.73
17.65	5.31	1.95	4.96	20.25	5.55	2.11	3.72
17.70	5.32	1.95	4.92	20.30	5.55	2.11	3.71
17.75	5.33	1.95	4.87	20.35	5.55	2.12	3.70
17.80	5.33	1.96	4.82	20.40	5.56	2.12	3.68
17.85	5.34	1.96	4.77	20.45	5.56	2.12	3.67
17.90	5.34	1.96	4.72	20.50	5.57	2.12	3.66
17.95	5.34	1.97	4.68	20.55	5.57	2.13	3.65
18.00	5.35	1.97	4.63	20.60	5.57	2.13	3.64
18.05	5.35	1.97	4.58	20.65	5.58	2.13	3.62
18.10	5.36	1.98	4.53	20.70	5.58	2.14	3.61
18.15	5.36	1.98	4.49	20.75	5.59	2.14	3.60

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.14	3.59	23.40	5.77	2.27	2.96
20.85	5.59	2.14	3.58	23.45	5.78	2.27	2.95
20.90	5.60	2.15	3.57	23.50	5.78	2.28	2.94
20.95	5.60	2.15	3.56	23.55	5.78	2.28	2.93
21.00	5.61	2.15	3.54	23.60	5.78	2.28	2.91
21.05	5.61	2.15	3.53	23.65	5.79	2.28	2.90
21.10	5.61	2.16	3.52	23.70	5.79	2.29	2.89
21.15	5.62	2.16	3.51	23.75	5.79	2.29	2.88
21.20	5.62	2.16	3.49	23.80	5.80	2.29	2.87
21.25	5.62	2.17	3.48	23.85	5.80	2.29	2.85
21.30	5.63	2.17	3.47	23.90	5.80	2.29	2.84
21.35	5.63	2.17	3.46	23.95	5.81	2.30	2.83
21.40	5.64	2.17	3.45	24.00	**5.81**	**2.30**	2.82
21.45	5.64	2.18	3.44	24.05	5.81	2.30	2.82
21.50	5.64	2.18	3.43	24.10	5.81	2.30	2.81
21.55	5.65	2.18	3.41	24.15	5.81	2.30	2.78
21.60	5.65	2.18	3.40	24.20	5.81	2.30	2.70
21.65	5.65	2.19	3.39	24.25	5.81	2.30	2.56
21.70	5.66	2.19	3.38	24.30	5.81	2.30	2.35
21.75	5.66	2.19	3.37	24.35	5.81	2.30	2.08
21.80	5.66	2.19	3.35	24.40	5.81	2.30	1.78
21.85	5.67	2.20	3.34	24.45	5.81	2.30	1.48
21.90	5.67	2.20	3.33	24.50	5.81	2.30	1.20
21.95	5.68	2.20	3.32	24.55	5.81	2.30	0.96
22.00	5.68	2.20	3.31	24.60	5.81	2.30	0.75
22.05	5.68	2.21	3.29	24.65	5.81	2.30	0.59
22.10	5.69	2.21	3.28	24.70	5.81	2.30	0.47
22.15	5.69	2.21	3.27	24.75	5.81	2.30	0.37
22.20	5.69	2.22	3.26	24.80	5.81	2.30	0.30
22.25	5.70	2.22	3.25	24.85	5.81	2.30	0.23
22.30	5.70	2.22	3.23	24.90	5.81	2.30	0.18
22.35	5.70	2.22	3.22	24.95	5.81	2.30	0.15
22.40	5.71	2.22	3.21	25.00	5.81	2.30	0.11
22.45	5.71	2.23	3.20	25.05	5.81	2.30	0.09
22.50	5.71	2.23	3.19	25.10	5.81	2.30	0.07
22.55	5.72	2.23	3.17	25.15	5.81	2.30	0.06
22.60	5.72	2.23	3.16	25.20	5.81	2.30	0.04
22.65	5.72	2.24	3.15	25.25	5.81	2.30	0.03
22.70	5.73	2.24	3.14	25.30	5.81	2.30	0.03
22.75	5.73	2.24	3.12	25.35	5.81	2.30	0.02
22.80	5.73	2.24	3.11	25.40	5.81	2.30	0.02
22.85	5.74	2.25	3.10	25.45	5.81	2.30	0.01
22.90	5.74	2.25	3.09	25.50	5.81	2.30	0.01
22.95	5.74	2.25	3.08	25.55	5.81	2.30	0.01
23.00	5.75	2.25	3.06	25.60	5.81	2.30	0.00
23.05	5.75	2.26	3.05	25.65	5.81	2.30	0.00
23.10	5.75	2.26	3.04	25.70	5.81	2.30	0.00
23.15	5.76	2.26	3.03	25.75	5.81	2.30	0.00
23.20	5.76	2.26	3.01	25.80	5.81	2.30	0.00
23.25	5.76	2.27	3.00	25.85	5.81	2.30	0.00
23.30	5.77	2.27	2.99	25.90	5.81	2.30	0.00
23.35	5.77	2.27	2.98	25.95	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.30	0.00	28.60	5.81	2.30	0.00
26.05	5.81	2.30	0.00	28.65	5.81	2.30	0.00
26.10	5.81	2.30	0.00	28.70	5.81	2.30	0.00
26.15	5.81	2.30	0.00	28.75	5.81	2.30	0.00
26.20	5.81	2.30	0.00	28.80	5.81	2.30	0.00
26.25	5.81	2.30	0.00	28.85	5.81	2.30	0.00
26.30	5.81	2.30	0.00	28.90	5.81	2.30	0.00
26.35	5.81	2.30	0.00	28.95	5.81	2.30	0.00
26.40	5.81	2.30	0.00	29.00	5.81	2.30	0.00
26.45	5.81	2.30	0.00	29.05	5.81	2.30	0.00
26.50	5.81	2.30	0.00	29.10	5.81	2.30	0.00
26.55	5.81	2.30	0.00	29.15	5.81	2.30	0.00
26.60	5.81	2.30	0.00	29.20	5.81	2.30	0.00
26.65	5.81	2.30	0.00	29.25	5.81	2.30	0.00
26.70	5.81	2.30	0.00	29.30	5.81	2.30	0.00
26.75	5.81	2.30	0.00	29.35	5.81	2.30	0.00
26.80	5.81	2.30	0.00	29.40	5.81	2.30	0.00
26.85	5.81	2.30	0.00	29.45	5.81	2.30	0.00
26.90	5.81	2.30	0.00	29.50	5.81	2.30	0.00
26.95	5.81	2.30	0.00	29.55	5.81	2.30	0.00
27.00	5.81	2.30	0.00	29.60	5.81	2.30	0.00
27.05	5.81	2.30	0.00	29.65	5.81	2.30	0.00
27.10	5.81	2.30	0.00	29.70	5.81	2.30	0.00
27.15	5.81	2.30	0.00	29.75	5.81	2.30	0.00
27.20	5.81	2.30	0.00	29.80	5.81	2.30	0.00
27.25	5.81	2.30	0.00	29.85	5.81	2.30	0.00
27.30	5.81	2.30	0.00	29.90	5.81	2.30	0.00
27.35	5.81	2.30	0.00	29.95	5.81	2.30	0.00
27.40	5.81	2.30	0.00	30.00	5.81	2.30	0.00
27.45	5.81	2.30	0.00	30.05	5.81	2.30	0.00
27.50	5.81	2.30	0.00	30.10	5.81	2.30	0.00
27.55	5.81	2.30	0.00	30.15	5.81	2.30	0.00
27.60	5.81	2.30	0.00	30.20	5.81	2.30	0.00
27.65	5.81	2.30	0.00	30.25	5.81	2.30	0.00
27.70	5.81	2.30	0.00	30.30	5.81	2.30	0.00
27.75	5.81	2.30	0.00	30.35	5.81	2.30	0.00
27.80	5.81	2.30	0.00	30.40	5.81	2.30	0.00
27.85	5.81	2.30	0.00	30.45	5.81	2.30	0.00
27.90	5.81	2.30	0.00	30.50	5.81	2.30	0.00
27.95	5.81	2.30	0.00	30.55	5.81	2.30	0.00
28.00	5.81	2.30	0.00	30.60	5.81	2.30	0.00
28.05	5.81	2.30	0.00	30.65	5.81	2.30	0.00
28.10	5.81	2.30	0.00	30.70	5.81	2.30	0.00
28.15	5.81	2.30	0.00	30.75	5.81	2.30	0.00
28.20	5.81	2.30	0.00	30.80	5.81	2.30	0.00
28.25	5.81	2.30	0.00	30.85	5.81	2.30	0.00
28.30	5.81	2.30	0.00	30.90	5.81	2.30	0.00
28.35	5.81	2.30	0.00	30.95	5.81	2.30	0.00
28.40	5.81	2.30	0.00	31.00	5.81	2.30	0.00
28.45	5.81	2.30	0.00	31.05	5.81	2.30	0.00
28.50	5.81	2.30	0.00	31.10	5.81	2.30	0.00
28.55	5.81	2.30	0.00	31.15	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.30	0.00	33.80	5.81	2.30	0.00
31.25	5.81	2.30	0.00	33.85	5.81	2.30	0.00
31.30	5.81	2.30	0.00	33.90	5.81	2.30	0.00
31.35	5.81	2.30	0.00	33.95	5.81	2.30	0.00
31.40	5.81	2.30	0.00	34.00	5.81	2.30	0.00
31.45	5.81	2.30	0.00	34.05	5.81	2.30	0.00
31.50	5.81	2.30	0.00	34.10	5.81	2.30	0.00
31.55	5.81	2.30	0.00	34.15	5.81	2.30	0.00
31.60	5.81	2.30	0.00	34.20	5.81	2.30	0.00
31.65	5.81	2.30	0.00	34.25	5.81	2.30	0.00
31.70	5.81	2.30	0.00	34.30	5.81	2.30	0.00
31.75	5.81	2.30	0.00	34.35	5.81	2.30	0.00
31.80	5.81	2.30	0.00	34.40	5.81	2.30	0.00
31.85	5.81	2.30	0.00	34.45	5.81	2.30	0.00
31.90	5.81	2.30	0.00	34.50	5.81	2.30	0.00
31.95	5.81	2.30	0.00	34.55	5.81	2.30	0.00
32.00	5.81	2.30	0.00	34.60	5.81	2.30	0.00
32.05	5.81	2.30	0.00	34.65	5.81	2.30	0.00
32.10	5.81	2.30	0.00	34.70	5.81	2.30	0.00
32.15	5.81	2.30	0.00	34.75	5.81	2.30	0.00
32.20	5.81	2.30	0.00	34.80	5.81	2.30	0.00
32.25	5.81	2.30	0.00	34.85	5.81	2.30	0.00
32.30	5.81	2.30	0.00	34.90	5.81	2.30	0.00
32.35	5.81	2.30	0.00	34.95	5.81	2.30	0.00
32.40	5.81	2.30	0.00	35.00	5.81	2.30	0.00
32.45	5.81	2.30	0.00	35.05	5.81	2.30	0.00
32.50	5.81	2.30	0.00	35.10	5.81	2.30	0.00
32.55	5.81	2.30	0.00	35.15	5.81	2.30	0.00
32.60	5.81	2.30	0.00	35.20	5.81	2.30	0.00
32.65	5.81	2.30	0.00	35.25	5.81	2.30	0.00
32.70	5.81	2.30	0.00	35.30	5.81	2.30	0.00
32.75	5.81	2.30	0.00	35.35	5.81	2.30	0.00
32.80	5.81	2.30	0.00	35.40	5.81	2.30	0.00
32.85	5.81	2.30	0.00	35.45	5.81	2.30	0.00
32.90	5.81	2.30	0.00	35.50	5.81	2.30	0.00
32.95	5.81	2.30	0.00	35.55	5.81	2.30	0.00
33.00	5.81	2.30	0.00	35.60	5.81	2.30	0.00
33.05	5.81	2.30	0.00	35.65	5.81	2.30	0.00
33.10	5.81	2.30	0.00	35.70	5.81	2.30	0.00
33.15	5.81	2.30	0.00	35.75	5.81	2.30	0.00
33.20	5.81	2.30	0.00	35.80	5.81	2.30	0.00
33.25	5.81	2.30	0.00	35.85	5.81	2.30	0.00
33.30	5.81	2.30	0.00	35.90	5.81	2.30	0.00
33.35	5.81	2.30	0.00	35.95	5.81	2.30	0.00
33.40	5.81	2.30	0.00	36.00	5.81	2.30	0.00
33.45	5.81	2.30	0.00	36.05	5.81	2.30	0.00
33.50	5.81	2.30	0.00	36.10	5.81	2.30	0.00
33.55	5.81	2.30	0.00	36.15	5.81	2.30	0.00
33.60	5.81	2.30	0.00	36.20	5.81	2.30	0.00
33.65	5.81	2.30	0.00	36.25	5.81	2.30	0.00
33.70	5.81	2.30	0.00	36.30	5.81	2.30	0.00
33.75	5.81	2.30	0.00	36.35	5.81	2.30	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.30	0.00
36.45	5.81	2.30	0.00
36.50	5.81	2.30	0.00
36.55	5.81	2.30	0.00
36.60	5.81	2.30	0.00
36.65	5.81	2.30	0.00
36.70	5.81	2.30	0.00
36.75	5.81	2.30	0.00
36.80	5.81	2.30	0.00
36.85	5.81	2.30	0.00
36.90	5.81	2.30	0.00
36.95	5.81	2.30	0.00
37.00	5.81	2.30	0.00
37.05	5.81	2.30	0.00
37.10	5.81	2.30	0.00
37.15	5.81	2.30	0.00
37.20	5.81	2.30	0.00
37.25	5.81	2.30	0.00
37.30	5.81	2.30	0.00
37.35	5.81	2.30	0.00
37.40	5.81	2.30	0.00
37.45	5.81	2.30	0.00
37.50	5.81	2.30	0.00
37.55	5.81	2.30	0.00
37.60	5.81	2.30	0.00
37.65	5.81	2.30	0.00
37.70	5.81	2.30	0.00
37.75	5.81	2.30	0.00
37.80	5.81	2.30	0.00
37.85	5.81	2.30	0.00
37.90	5.81	2.30	0.00
37.95	5.81	2.30	0.00
38.00	5.81	2.30	0.00
38.05	5.81	2.30	0.00
38.10	5.81	2.30	0.00
38.15	5.81	2.30	0.00
38.20	5.81	2.30	0.00
38.25	5.81	2.30	0.00
38.30	5.81	2.30	0.00
38.35	5.81	2.30	0.00
38.40	5.81	2.30	0.00
38.45	5.81	2.30	0.00
38.50	5.81	2.30	0.00
38.55	5.81	2.30	0.00
38.60	5.81	2.30	0.00
38.65	5.81	2.30	0.00
38.70	5.81	2.30	0.00
38.75	5.81	2.30	0.00
38.80	5.81	2.30	0.00
38.85	5.81	2.30	0.00
38.90	5.81	2.30	0.00
38.95	5.81	2.30	0.00
39.00	5.81	2.30	0.00
39.05	5.81	2.30	0.00
39.10	5.81	2.30	0.00
39.15	5.81	2.30	0.00
39.20	5.81	2.30	0.00
39.25	5.81	2.30	0.00
39.30	5.81	2.30	0.00
39.35	5.81	2.30	0.00
39.40	5.81	2.30	0.00
39.45	5.81	2.30	0.00
39.50	5.81	2.30	0.00
39.55	5.81	2.30	0.00
39.60	5.81	2.30	0.00
39.65	5.81	2.30	0.00
39.70	5.81	2.30	0.00
39.75	5.81	2.30	0.00
39.80	5.81	2.30	0.00
39.85	5.81	2.30	0.00
39.90	5.81	2.30	0.00
39.95	5.81	2.30	0.00
40.00	5.81	2.30	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

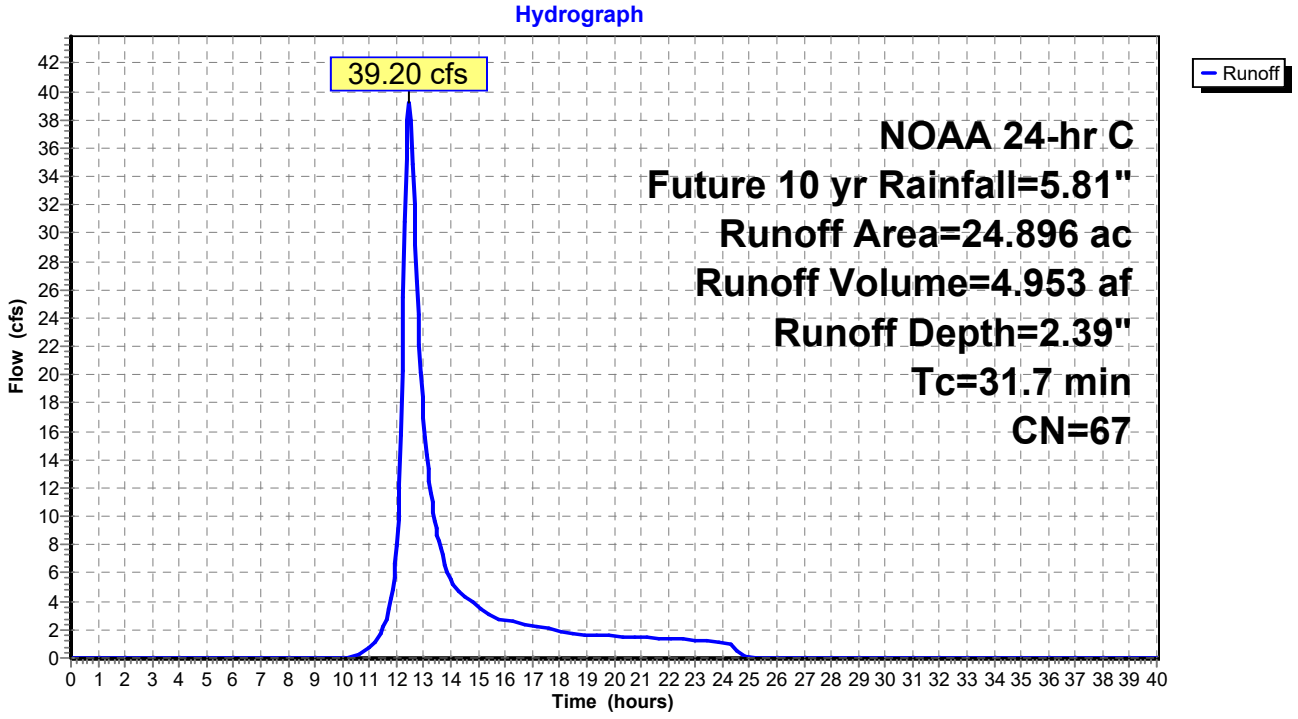
Runoff = 39.20 cfs @ 12.46 hrs, Volume= 4.953 af, Depth= 2.39"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.01
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.02
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.08
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.10
7.75	0.66	0.00	0.00	10.35	1.15	0.01	0.13

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.01	0.16	13.00	4.42	1.41	16.91
10.45	1.18	0.01	0.19	13.05	4.44	1.42	15.57
10.50	1.20	0.01	0.22	13.10	4.46	1.44	14.39
10.55	1.21	0.01	0.25	13.15	4.48	1.45	13.38
10.60	1.23	0.01	0.29	13.20	4.50	1.47	12.48
10.65	1.25	0.01	0.33	13.25	4.52	1.48	11.67
10.70	1.27	0.02	0.37	13.30	4.54	1.49	10.95
10.75	1.29	0.02	0.41	13.35	4.56	1.50	10.29
10.80	1.31	0.02	0.46	13.40	4.58	1.52	9.69
10.85	1.33	0.02	0.52	13.45	4.60	1.53	9.16
10.90	1.35	0.02	0.58	13.50	4.61	1.54	8.67
10.95	1.37	0.03	0.65	13.55	4.63	1.55	8.23
11.00	1.39	0.03	0.73	13.60	4.64	1.56	7.82
11.05	1.42	0.04	0.81	13.65	4.66	1.57	7.44
11.10	1.45	0.04	0.90	13.70	4.67	1.58	7.08
11.15	1.48	0.04	1.00	13.75	4.68	1.59	6.74
11.20	1.51	0.05	1.11	13.80	4.70	1.60	6.42
11.25	1.54	0.06	1.23	13.85	4.71	1.60	6.14
11.30	1.57	0.06	1.36	13.90	4.72	1.61	5.88
11.35	1.61	0.07	1.52	13.95	4.74	1.62	5.66
11.40	1.64	0.08	1.68	14.00	4.75	1.63	5.47
11.45	1.68	0.09	1.87	14.05	4.76	1.64	5.30
11.50	1.72	0.09	2.08	14.10	4.78	1.65	5.15
11.55	1.78	0.11	2.30	14.15	4.79	1.66	5.02
11.60	1.83	0.12	2.56	14.20	4.80	1.66	4.90
11.65	1.90	0.14	2.85	14.25	4.81	1.67	4.80
11.70	1.96	0.16	3.21	14.30	4.82	1.68	4.70
11.75	2.04	0.19	3.65	14.35	4.83	1.69	4.61
11.80	2.13	0.22	4.19	14.40	4.85	1.70	4.52
11.85	2.25	0.26	4.84	14.45	4.86	1.70	4.44
11.90	2.36	0.30	5.65	14.50	4.87	1.71	4.36
11.95	2.57	0.38	6.65	14.55	4.88	1.72	4.28
12.00	2.77	0.47	7.96	14.60	4.89	1.73	4.20
12.05	3.11	0.64	9.75	14.65	4.90	1.73	4.13
12.10	3.45	0.82	12.25	14.70	4.91	1.74	4.06
12.15	3.56	0.89	15.75	14.75	4.92	1.75	3.98
12.20	3.68	0.95	20.29	14.80	4.93	1.75	3.91
12.25	3.77	1.00	25.51	14.85	4.94	1.76	3.84
12.30	3.85	1.05	30.76	14.90	4.94	1.76	3.77
12.35	3.91	1.09	35.19	14.95	4.95	1.77	3.69
12.40	3.98	1.13	37.98	15.00	4.96	1.78	3.62
12.45	4.03	1.17	**39.15**	15.05	4.97	1.78	3.55
12.50	4.09	1.20	38.79	15.10	4.98	1.79	3.48
12.55	4.13	1.23	37.23	15.15	4.99	1.79	3.40
12.60	4.17	1.25	34.86	15.20	4.99	1.80	3.33
12.65	4.20	1.27	32.08	15.25	5.00	1.80	3.26
12.70	4.24	1.30	29.21	15.30	5.01	1.81	3.20
12.75	4.27	1.32	26.62	15.35	5.02	1.82	3.13
12.80	4.30	1.34	24.27	15.40	5.03	1.82	3.07
12.85	4.33	1.36	22.13	15.45	5.03	1.83	3.02
12.90	4.36	1.37	20.17	15.50	5.04	1.83	2.97
12.95	4.39	1.39	18.43	15.55	5.05	1.84	2.93

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.84	2.89	18.20	5.37	2.06	1.83
15.65	5.06	1.85	2.86	18.25	5.37	2.07	1.81
15.70	5.07	1.85	2.83	18.30	5.38	2.07	1.79
15.75	5.08	1.86	2.80	18.35	5.38	2.07	1.77
15.80	5.09	1.86	2.77	18.40	5.39	2.08	1.75
15.85	5.09	1.87	2.75	18.45	5.39	2.08	1.74
15.90	5.10	1.87	2.73	18.50	5.40	2.08	1.73
15.95	5.11	1.88	2.70	18.55	5.40	2.09	1.71
16.00	5.11	1.88	2.68	18.60	5.40	2.09	1.70
16.05	5.12	1.89	2.66	18.65	5.41	2.09	1.69
16.10	5.13	1.89	2.64	18.70	5.41	2.10	1.69
16.15	5.13	1.90	2.62	18.75	5.42	2.10	1.68
16.20	5.14	1.90	2.60	18.80	5.42	2.10	1.67
16.25	5.15	1.91	2.58	18.85	5.43	2.11	1.67
16.30	5.16	1.91	2.56	18.90	5.43	2.11	1.66
16.35	5.16	1.92	2.54	18.95	5.44	2.11	1.65
16.40	5.17	1.92	2.53	19.00	5.44	2.12	1.65
16.45	5.17	1.93	2.51	19.05	5.44	2.12	1.64
16.50	5.18	1.93	2.49	19.10	5.45	2.12	1.64
16.55	5.19	1.94	2.47	19.15	5.45	2.13	1.63
16.60	5.19	1.94	2.45	19.20	5.46	2.13	1.63
16.65	5.20	1.94	2.43	19.25	5.46	2.13	1.62
16.70	5.21	1.95	2.41	19.30	5.47	2.14	1.62
16.75	5.21	1.95	2.39	19.35	5.47	2.14	1.61
16.80	5.22	1.96	2.37	19.40	5.48	2.14	1.61
16.85	5.23	1.96	2.35	19.45	5.48	2.14	1.60
16.90	5.23	1.97	2.33	19.50	5.48	2.15	1.60
16.95	5.24	1.97	2.32	19.55	5.49	2.15	1.60
17.00	5.24	1.97	2.30	19.60	5.49	2.15	1.59
17.05	5.25	1.98	2.28	19.65	5.50	2.16	1.58
17.10	5.25	1.98	2.26	19.70	5.50	2.16	1.58
17.15	5.26	1.99	2.24	19.75	5.50	2.16	1.58
17.20	5.27	1.99	2.22	19.80	5.51	2.17	1.57
17.25	5.27	1.99	2.20	19.85	5.51	2.17	1.57
17.30	5.28	2.00	2.18	19.90	5.52	2.17	1.56
17.35	5.28	2.00	2.16	19.95	5.52	2.17	1.56
17.40	5.29	2.01	2.14	20.00	5.53	2.18	1.55
17.45	5.29	2.01	2.12	20.05	5.53	2.18	1.55
17.50	5.30	2.01	2.10	20.10	5.53	2.18	1.54
17.55	5.30	2.02	2.08	20.15	5.54	2.19	1.54
17.60	5.31	2.02	2.06	20.20	5.54	2.19	1.54
17.65	5.31	2.03	2.04	20.25	5.55	2.19	1.53
17.70	5.32	2.03	2.02	20.30	5.55	2.20	1.52
17.75	5.33	2.03	2.00	20.35	5.55	2.20	1.52
17.80	5.33	2.04	1.98	20.40	5.56	2.20	1.51
17.85	5.34	2.04	1.97	20.45	5.56	2.20	1.51
17.90	5.34	2.04	1.94	20.50	5.57	2.21	1.50
17.95	5.34	2.05	1.93	20.55	5.57	2.21	1.50
18.00	5.35	2.05	1.91	20.60	5.57	2.21	1.50
18.05	5.35	2.05	1.89	20.65	5.58	2.22	1.49
18.10	5.36	2.06	1.87	20.70	5.58	2.22	1.49
18.15	5.36	2.06	1.85	20.75	5.59	2.22	1.48

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.22	1.48	23.40	5.77	2.36	1.22
20.85	5.59	2.23	1.47	23.45	5.78	2.36	1.21
20.90	5.60	2.23	1.47	23.50	5.78	2.36	1.21
20.95	5.60	2.23	1.46	23.55	5.78	2.37	1.20
21.00	5.61	2.24	1.46	23.60	5.78	2.37	1.20
21.05	5.61	2.24	1.45	23.65	5.79	2.37	1.19
21.10	5.61	2.24	1.45	23.70	5.79	2.37	1.19
21.15	5.62	2.24	1.44	23.75	5.79	2.38	1.18
21.20	5.62	2.25	1.44	23.80	5.80	2.38	1.18
21.25	5.62	2.25	1.43	23.85	5.80	2.38	1.17
21.30	5.63	2.25	1.43	23.90	5.80	2.38	1.17
21.35	5.63	2.26	1.42	23.95	5.81	2.38	1.16
21.40	5.64	2.26	1.42	24.00	**5.81**	**2.39**	1.16
21.45	5.64	2.26	1.41	24.05	5.81	2.39	1.16
21.50	5.64	2.26	1.41	24.10	5.81	2.39	1.15
21.55	5.65	2.27	1.40	24.15	5.81	2.39	1.14
21.60	5.65	2.27	1.40	24.20	5.81	2.39	1.11
21.65	5.65	2.27	1.39	24.25	5.81	2.39	1.05
21.70	5.66	2.27	1.39	24.30	5.81	2.39	0.96
21.75	5.66	2.28	1.38	24.35	5.81	2.39	0.85
21.80	5.66	2.28	1.38	24.40	5.81	2.39	0.73
21.85	5.67	2.28	1.37	24.45	5.81	2.39	0.61
21.90	5.67	2.28	1.37	24.50	5.81	2.39	0.49
21.95	5.68	2.29	1.36	24.55	5.81	2.39	0.39
22.00	5.68	2.29	1.36	24.60	5.81	2.39	0.31
22.05	5.68	2.29	1.35	24.65	5.81	2.39	0.24
22.10	5.69	2.30	1.35	24.70	5.81	2.39	0.19
22.15	5.69	2.30	1.34	24.75	5.81	2.39	0.15
22.20	5.69	2.30	1.34	24.80	5.81	2.39	0.12
22.25	5.70	2.30	1.33	24.85	5.81	2.39	0.10
22.30	5.70	2.31	1.33	24.90	5.81	2.39	0.08
22.35	5.70	2.31	1.32	24.95	5.81	2.39	0.06
22.40	5.71	2.31	1.32	25.00	5.81	2.39	0.05
22.45	5.71	2.31	1.31	25.05	5.81	2.39	0.04
22.50	5.71	2.32	1.31	25.10	5.81	2.39	0.03
22.55	5.72	2.32	1.30	25.15	5.81	2.39	0.02
22.60	5.72	2.32	1.30	25.20	5.81	2.39	0.02
22.65	5.72	2.32	1.29	25.25	5.81	2.39	0.01
22.70	5.73	2.33	1.29	25.30	5.81	2.39	0.01
22.75	5.73	2.33	1.28	25.35	5.81	2.39	0.01
22.80	5.73	2.33	1.28	25.40	5.81	2.39	0.01
22.85	5.74	2.33	1.27	25.45	5.81	2.39	0.00
22.90	5.74	2.34	1.27	25.50	5.81	2.39	0.00
22.95	5.74	2.34	1.26	25.55	5.81	2.39	0.00
23.00	5.75	2.34	1.26	25.60	5.81	2.39	0.00
23.05	5.75	2.34	1.25	25.65	5.81	2.39	0.00
23.10	5.75	2.35	1.25	25.70	5.81	2.39	0.00
23.15	5.76	2.35	1.24	25.75	5.81	2.39	0.00
23.20	5.76	2.35	1.24	25.80	5.81	2.39	0.00
23.25	5.76	2.35	1.23	25.85	5.81	2.39	0.00
23.30	5.77	2.35	1.23	25.90	5.81	2.39	0.00
23.35	5.77	2.36	1.22	25.95	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.39	0.00	28.60	5.81	2.39	0.00
26.05	5.81	2.39	0.00	28.65	5.81	2.39	0.00
26.10	5.81	2.39	0.00	28.70	5.81	2.39	0.00
26.15	5.81	2.39	0.00	28.75	5.81	2.39	0.00
26.20	5.81	2.39	0.00	28.80	5.81	2.39	0.00
26.25	5.81	2.39	0.00	28.85	5.81	2.39	0.00
26.30	5.81	2.39	0.00	28.90	5.81	2.39	0.00
26.35	5.81	2.39	0.00	28.95	5.81	2.39	0.00
26.40	5.81	2.39	0.00	29.00	5.81	2.39	0.00
26.45	5.81	2.39	0.00	29.05	5.81	2.39	0.00
26.50	5.81	2.39	0.00	29.10	5.81	2.39	0.00
26.55	5.81	2.39	0.00	29.15	5.81	2.39	0.00
26.60	5.81	2.39	0.00	29.20	5.81	2.39	0.00
26.65	5.81	2.39	0.00	29.25	5.81	2.39	0.00
26.70	5.81	2.39	0.00	29.30	5.81	2.39	0.00
26.75	5.81	2.39	0.00	29.35	5.81	2.39	0.00
26.80	5.81	2.39	0.00	29.40	5.81	2.39	0.00
26.85	5.81	2.39	0.00	29.45	5.81	2.39	0.00
26.90	5.81	2.39	0.00	29.50	5.81	2.39	0.00
26.95	5.81	2.39	0.00	29.55	5.81	2.39	0.00
27.00	5.81	2.39	0.00	29.60	5.81	2.39	0.00
27.05	5.81	2.39	0.00	29.65	5.81	2.39	0.00
27.10	5.81	2.39	0.00	29.70	5.81	2.39	0.00
27.15	5.81	2.39	0.00	29.75	5.81	2.39	0.00
27.20	5.81	2.39	0.00	29.80	5.81	2.39	0.00
27.25	5.81	2.39	0.00	29.85	5.81	2.39	0.00
27.30	5.81	2.39	0.00	29.90	5.81	2.39	0.00
27.35	5.81	2.39	0.00	29.95	5.81	2.39	0.00
27.40	5.81	2.39	0.00	30.00	5.81	2.39	0.00
27.45	5.81	2.39	0.00	30.05	5.81	2.39	0.00
27.50	5.81	2.39	0.00	30.10	5.81	2.39	0.00
27.55	5.81	2.39	0.00	30.15	5.81	2.39	0.00
27.60	5.81	2.39	0.00	30.20	5.81	2.39	0.00
27.65	5.81	2.39	0.00	30.25	5.81	2.39	0.00
27.70	5.81	2.39	0.00	30.30	5.81	2.39	0.00
27.75	5.81	2.39	0.00	30.35	5.81	2.39	0.00
27.80	5.81	2.39	0.00	30.40	5.81	2.39	0.00
27.85	5.81	2.39	0.00	30.45	5.81	2.39	0.00
27.90	5.81	2.39	0.00	30.50	5.81	2.39	0.00
27.95	5.81	2.39	0.00	30.55	5.81	2.39	0.00
28.00	5.81	2.39	0.00	30.60	5.81	2.39	0.00
28.05	5.81	2.39	0.00	30.65	5.81	2.39	0.00
28.10	5.81	2.39	0.00	30.70	5.81	2.39	0.00
28.15	5.81	2.39	0.00	30.75	5.81	2.39	0.00
28.20	5.81	2.39	0.00	30.80	5.81	2.39	0.00
28.25	5.81	2.39	0.00	30.85	5.81	2.39	0.00
28.30	5.81	2.39	0.00	30.90	5.81	2.39	0.00
28.35	5.81	2.39	0.00	30.95	5.81	2.39	0.00
28.40	5.81	2.39	0.00	31.00	5.81	2.39	0.00
28.45	5.81	2.39	0.00	31.05	5.81	2.39	0.00
28.50	5.81	2.39	0.00	31.10	5.81	2.39	0.00
28.55	5.81	2.39	0.00	31.15	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.39	0.00	33.80	5.81	2.39	0.00
31.25	5.81	2.39	0.00	33.85	5.81	2.39	0.00
31.30	5.81	2.39	0.00	33.90	5.81	2.39	0.00
31.35	5.81	2.39	0.00	33.95	5.81	2.39	0.00
31.40	5.81	2.39	0.00	34.00	5.81	2.39	0.00
31.45	5.81	2.39	0.00	34.05	5.81	2.39	0.00
31.50	5.81	2.39	0.00	34.10	5.81	2.39	0.00
31.55	5.81	2.39	0.00	34.15	5.81	2.39	0.00
31.60	5.81	2.39	0.00	34.20	5.81	2.39	0.00
31.65	5.81	2.39	0.00	34.25	5.81	2.39	0.00
31.70	5.81	2.39	0.00	34.30	5.81	2.39	0.00
31.75	5.81	2.39	0.00	34.35	5.81	2.39	0.00
31.80	5.81	2.39	0.00	34.40	5.81	2.39	0.00
31.85	5.81	2.39	0.00	34.45	5.81	2.39	0.00
31.90	5.81	2.39	0.00	34.50	5.81	2.39	0.00
31.95	5.81	2.39	0.00	34.55	5.81	2.39	0.00
32.00	5.81	2.39	0.00	34.60	5.81	2.39	0.00
32.05	5.81	2.39	0.00	34.65	5.81	2.39	0.00
32.10	5.81	2.39	0.00	34.70	5.81	2.39	0.00
32.15	5.81	2.39	0.00	34.75	5.81	2.39	0.00
32.20	5.81	2.39	0.00	34.80	5.81	2.39	0.00
32.25	5.81	2.39	0.00	34.85	5.81	2.39	0.00
32.30	5.81	2.39	0.00	34.90	5.81	2.39	0.00
32.35	5.81	2.39	0.00	34.95	5.81	2.39	0.00
32.40	5.81	2.39	0.00	35.00	5.81	2.39	0.00
32.45	5.81	2.39	0.00	35.05	5.81	2.39	0.00
32.50	5.81	2.39	0.00	35.10	5.81	2.39	0.00
32.55	5.81	2.39	0.00	35.15	5.81	2.39	0.00
32.60	5.81	2.39	0.00	35.20	5.81	2.39	0.00
32.65	5.81	2.39	0.00	35.25	5.81	2.39	0.00
32.70	5.81	2.39	0.00	35.30	5.81	2.39	0.00
32.75	5.81	2.39	0.00	35.35	5.81	2.39	0.00
32.80	5.81	2.39	0.00	35.40	5.81	2.39	0.00
32.85	5.81	2.39	0.00	35.45	5.81	2.39	0.00
32.90	5.81	2.39	0.00	35.50	5.81	2.39	0.00
32.95	5.81	2.39	0.00	35.55	5.81	2.39	0.00
33.00	5.81	2.39	0.00	35.60	5.81	2.39	0.00
33.05	5.81	2.39	0.00	35.65	5.81	2.39	0.00
33.10	5.81	2.39	0.00	35.70	5.81	2.39	0.00
33.15	5.81	2.39	0.00	35.75	5.81	2.39	0.00
33.20	5.81	2.39	0.00	35.80	5.81	2.39	0.00
33.25	5.81	2.39	0.00	35.85	5.81	2.39	0.00
33.30	5.81	2.39	0.00	35.90	5.81	2.39	0.00
33.35	5.81	2.39	0.00	35.95	5.81	2.39	0.00
33.40	5.81	2.39	0.00	36.00	5.81	2.39	0.00
33.45	5.81	2.39	0.00	36.05	5.81	2.39	0.00
33.50	5.81	2.39	0.00	36.10	5.81	2.39	0.00
33.55	5.81	2.39	0.00	36.15	5.81	2.39	0.00
33.60	5.81	2.39	0.00	36.20	5.81	2.39	0.00
33.65	5.81	2.39	0.00	36.25	5.81	2.39	0.00
33.70	5.81	2.39	0.00	36.30	5.81	2.39	0.00
33.75	5.81	2.39	0.00	36.35	5.81	2.39	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.39	0.00
36.45	5.81	2.39	0.00
36.50	5.81	2.39	0.00
36.55	5.81	2.39	0.00
36.60	5.81	2.39	0.00
36.65	5.81	2.39	0.00
36.70	5.81	2.39	0.00
36.75	5.81	2.39	0.00
36.80	5.81	2.39	0.00
36.85	5.81	2.39	0.00
36.90	5.81	2.39	0.00
36.95	5.81	2.39	0.00
37.00	5.81	2.39	0.00
37.05	5.81	2.39	0.00
37.10	5.81	2.39	0.00
37.15	5.81	2.39	0.00
37.20	5.81	2.39	0.00
37.25	5.81	2.39	0.00
37.30	5.81	2.39	0.00
37.35	5.81	2.39	0.00
37.40	5.81	2.39	0.00
37.45	5.81	2.39	0.00
37.50	5.81	2.39	0.00
37.55	5.81	2.39	0.00
37.60	5.81	2.39	0.00
37.65	5.81	2.39	0.00
37.70	5.81	2.39	0.00
37.75	5.81	2.39	0.00
37.80	5.81	2.39	0.00
37.85	5.81	2.39	0.00
37.90	5.81	2.39	0.00
37.95	5.81	2.39	0.00
38.00	5.81	2.39	0.00
38.05	5.81	2.39	0.00
38.10	5.81	2.39	0.00
38.15	5.81	2.39	0.00
38.20	5.81	2.39	0.00
38.25	5.81	2.39	0.00
38.30	5.81	2.39	0.00
38.35	5.81	2.39	0.00
38.40	5.81	2.39	0.00
38.45	5.81	2.39	0.00
38.50	5.81	2.39	0.00
38.55	5.81	2.39	0.00
38.60	5.81	2.39	0.00
38.65	5.81	2.39	0.00
38.70	5.81	2.39	0.00
38.75	5.81	2.39	0.00
38.80	5.81	2.39	0.00
38.85	5.81	2.39	0.00
38.90	5.81	2.39	0.00
38.95	5.81	2.39	0.00
39.00	5.81	2.39	0.00
39.05	5.81	2.39	0.00
39.10	5.81	2.39	0.00
39.15	5.81	2.39	0.00
39.20	5.81	2.39	0.00
39.25	5.81	2.39	0.00
39.30	5.81	2.39	0.00
39.35	5.81	2.39	0.00
39.40	5.81	2.39	0.00
39.45	5.81	2.39	0.00
39.50	5.81	2.39	0.00
39.55	5.81	2.39	0.00
39.60	5.81	2.39	0.00
39.65	5.81	2.39	0.00
39.70	5.81	2.39	0.00
39.75	5.81	2.39	0.00
39.80	5.81	2.39	0.00
39.85	5.81	2.39	0.00
39.90	5.81	2.39	0.00
39.95	5.81	2.39	0.00
40.00	5.81	2.39	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

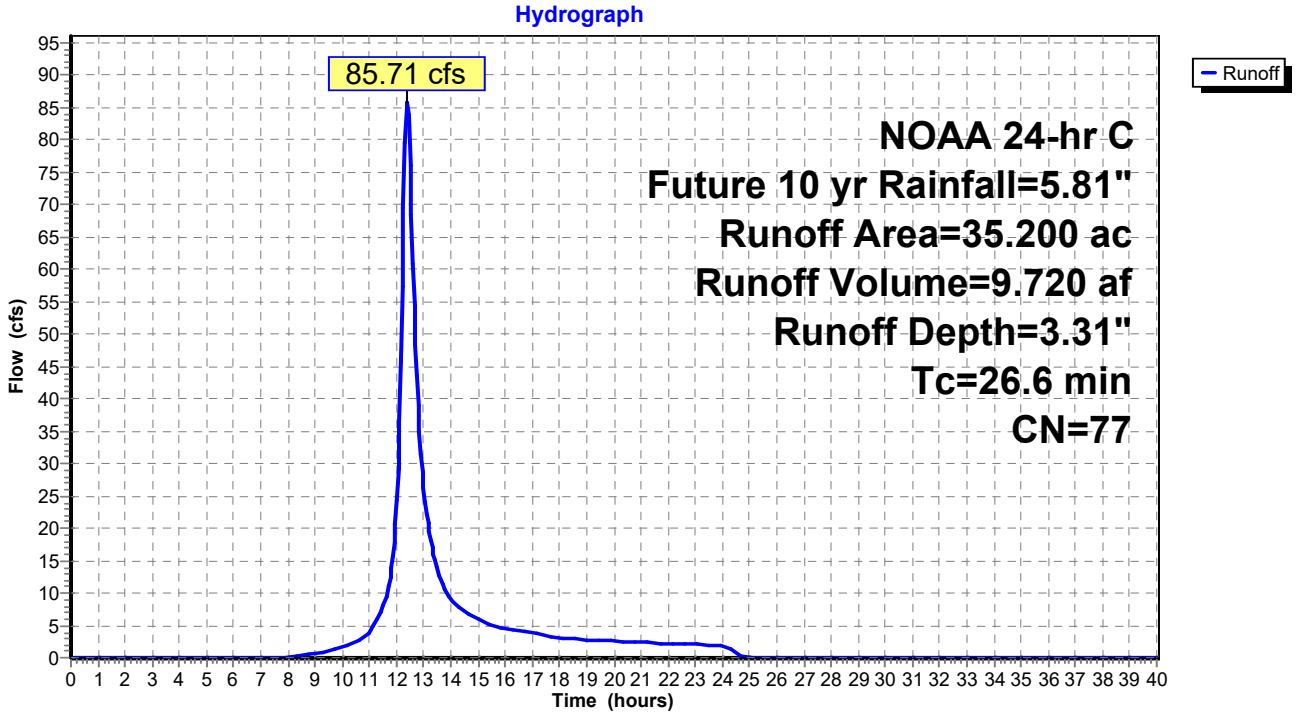
Runoff = 85.71 cfs @ 12.38 hrs, Volume= 9.720 af, Depth= 3.31"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.07
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.08
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.10
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.12
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.14
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.16
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.18
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.20
5.60	0.42	0.00	0.00	8.20	0.72	0.01	0.22
5.65	0.43	0.00	0.00	8.25	0.73	0.01	0.24
5.70	0.43	0.00	0.00	8.30	0.74	0.01	0.27
5.75	0.44	0.00	0.00	8.35	0.75	0.01	0.29
5.80	0.44	0.00	0.00	8.40	0.75	0.01	0.31
5.85	0.45	0.00	0.00	8.45	0.76	0.01	0.34
5.90	0.45	0.00	0.00	8.50	0.77	0.01	0.36
5.95	0.46	0.00	0.00	8.55	0.78	0.01	0.39
6.00	0.46	0.00	0.00	8.60	0.78	0.01	0.41
6.05	0.47	0.00	0.00	8.65	0.79	0.01	0.44
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.46
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.49
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.52
6.25	0.48	0.00	0.00	8.85	0.82	0.02	0.54
6.30	0.49	0.00	0.00	8.90	0.83	0.02	0.57
6.35	0.50	0.00	0.00	8.95	0.84	0.02	0.60
6.40	0.50	0.00	0.00	9.00	0.85	0.02	0.63
6.45	0.51	0.00	0.00	9.05	0.86	0.02	0.65
6.50	0.51	0.00	0.00	9.10	0.87	0.02	0.68
6.55	0.52	0.00	0.00	9.15	0.87	0.02	0.71
6.60	0.52	0.00	0.00	9.20	0.88	0.03	0.75
6.65	0.53	0.00	0.00	9.25	0.89	0.03	0.78
6.70	0.53	0.00	0.00	9.30	0.90	0.03	0.82
6.75	0.54	0.00	0.00	9.35	0.91	0.03	0.86
6.80	0.54	0.00	0.00	9.40	0.92	0.03	0.90
6.85	0.55	0.00	0.00	9.45	0.93	0.03	0.95
6.90	0.56	0.00	0.00	9.50	0.94	0.04	1.00
6.95	0.56	0.00	0.00	9.55	0.95	0.04	1.05
7.00	0.57	0.00	0.00	9.60	0.96	0.04	1.10
7.05	0.57	0.00	0.00	9.65	0.98	0.04	1.16
7.10	0.58	0.00	0.00	9.70	0.99	0.04	1.22
7.15	0.58	0.00	0.00	9.75	1.00	0.05	1.28
7.20	0.59	0.00	0.00	9.80	1.01	0.05	1.34
7.25	0.60	0.00	0.00	9.85	1.02	0.05	1.41
7.30	0.60	0.00	0.00	9.90	1.03	0.06	1.47
7.35	0.61	0.00	0.00	9.95	1.05	0.06	1.54
7.40	0.62	0.00	0.00	10.00	1.06	0.06	1.61
7.45	0.62	0.00	0.00	10.05	1.07	0.07	1.69
7.50	0.63	0.00	0.00	10.10	1.09	0.07	1.76
7.55	0.64	0.00	0.01	10.15	1.10	0.07	1.84
7.60	0.64	0.00	0.02	10.20	1.11	0.08	1.92
7.65	0.65	0.00	0.02	10.25	1.13	0.08	2.00
7.70	0.65	0.00	0.04	10.30	1.14	0.08	2.08
7.75	0.66	0.00	0.05	10.35	1.15	0.09	2.17

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.09	2.25	13.00	4.42	2.14	26.10
10.45	1.18	0.10	2.34	13.05	4.44	2.16	24.05
10.50	1.20	0.10	2.43	13.10	4.46	2.18	22.30
10.55	1.21	0.11	2.53	13.15	4.48	2.20	20.77
10.60	1.23	0.11	2.62	13.20	4.50	2.21	19.39
10.65	1.25	0.12	2.73	13.25	4.52	2.23	18.15
10.70	1.27	0.12	2.85	13.30	4.54	2.25	17.04
10.75	1.29	0.13	2.99	13.35	4.56	2.26	16.05
10.80	1.31	0.14	3.14	13.40	4.58	2.28	15.15
10.85	1.33	0.14	3.32	13.45	4.60	2.29	14.33
10.90	1.35	0.15	3.52	13.50	4.61	2.30	13.59
10.95	1.37	0.16	3.74	13.55	4.63	2.31	12.91
11.00	1.39	0.17	3.98	13.60	4.64	2.33	12.29
11.05	1.42	0.18	4.24	13.65	4.66	2.34	11.72
11.10	1.45	0.19	4.51	13.70	4.67	2.35	11.19
11.15	1.48	0.20	4.81	13.75	4.68	2.36	10.69
11.20	1.51	0.21	5.13	13.80	4.70	2.37	10.23
11.25	1.54	0.23	5.50	13.85	4.71	2.38	9.82
11.30	1.57	0.24	5.90	13.90	4.72	2.39	9.46
11.35	1.61	0.25	6.34	13.95	4.74	2.41	9.15
11.40	1.64	0.27	6.83	14.00	4.75	2.42	8.88
11.45	1.68	0.29	7.35	14.05	4.76	2.43	8.65
11.50	1.72	0.31	7.91	14.10	4.78	2.44	8.45
11.55	1.78	0.33	8.51	14.15	4.79	2.45	8.27
11.60	1.83	0.36	9.18	14.20	4.80	2.46	8.10
11.65	1.90	0.39	9.99	14.25	4.81	2.47	7.94
11.70	1.96	0.43	11.02	14.30	4.82	2.48	7.79
11.75	2.04	0.47	12.31	14.35	4.83	2.48	7.65
11.80	2.13	0.52	13.85	14.40	4.85	2.49	7.52
11.85	2.25	0.59	15.68	14.45	4.86	2.50	7.38
11.90	2.36	0.66	17.89	14.50	4.87	2.51	7.25
11.95	2.57	0.78	20.68	14.55	4.88	2.52	7.12
12.00	2.77	0.91	24.35	14.60	4.89	2.53	6.99
12.05	3.11	1.15	29.25	14.65	4.90	2.54	6.87
12.10	3.45	1.39	36.20	14.70	4.91	2.55	6.74
12.15	3.56	1.48	45.72	14.75	4.92	2.55	6.62
12.20	3.68	1.57	57.33	14.80	4.93	2.56	6.49
12.25	3.77	1.63	69.51	14.85	4.94	2.57	6.37
12.30	3.85	1.70	79.48	14.90	4.94	2.58	6.24
12.35	3.91	1.74	84.91	14.95	4.95	2.58	6.11
12.40	3.98	1.79	**85.45**	15.00	4.96	2.59	5.99
12.45	4.03	1.84	82.02	15.05	4.97	2.60	5.87
12.50	4.09	1.89	75.89	15.10	4.98	2.60	5.74
12.55	4.13	1.91	68.31	15.15	4.99	2.61	5.61
12.60	4.17	1.94	60.78	15.20	4.99	2.62	5.49
12.65	4.20	1.97	54.22	15.25	5.00	2.62	5.37
12.70	4.24	2.00	48.53	15.30	5.01	2.63	5.26
12.75	4.27	2.03	43.43	15.35	5.02	2.64	5.15
12.80	4.30	2.05	38.88	15.40	5.03	2.64	5.06
12.85	4.33	2.08	34.91	15.45	5.03	2.65	4.98
12.90	4.36	2.10	31.49	15.50	5.04	2.66	4.91
12.95	4.39	2.12	28.56	15.55	5.05	2.66	4.85

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.67	4.80	18.20	5.37	2.93	3.01
15.65	5.06	2.68	4.75	18.25	5.37	2.94	2.97
15.70	5.07	2.68	4.71	18.30	5.38	2.94	2.94
15.75	5.08	2.69	4.67	18.35	5.38	2.95	2.92
15.80	5.09	2.69	4.63	18.40	5.39	2.95	2.89
15.85	5.09	2.70	4.59	18.45	5.39	2.95	2.87
15.90	5.10	2.71	4.55	18.50	5.40	2.96	2.85
15.95	5.11	2.71	4.52	18.55	5.40	2.96	2.83
16.00	5.11	2.72	4.48	18.60	5.40	2.97	2.82
16.05	5.12	2.72	4.45	18.65	5.41	2.97	2.81
16.10	5.13	2.73	4.42	18.70	5.41	2.97	2.80
16.15	5.13	2.74	4.38	18.75	5.42	2.98	2.79
16.20	5.14	2.74	4.35	18.80	5.42	2.98	2.78
16.25	5.15	2.75	4.31	18.85	5.43	2.98	2.77
16.30	5.16	2.75	4.28	18.90	5.43	2.99	2.76
16.35	5.16	2.76	4.25	18.95	5.44	2.99	2.75
16.40	5.17	2.76	4.22	19.00	5.44	3.00	2.74
16.45	5.17	2.77	4.18	19.05	5.44	3.00	2.73
16.50	5.18	2.78	4.15	19.10	5.45	3.00	2.72
16.55	5.19	2.78	4.12	19.15	5.45	3.01	2.71
16.60	5.19	2.79	4.08	19.20	5.46	3.01	2.70
16.65	5.20	2.79	4.05	19.25	5.46	3.01	2.70
16.70	5.21	2.80	4.02	19.30	5.47	3.02	2.69
16.75	5.21	2.80	3.98	19.35	5.47	3.02	2.68
16.80	5.22	2.81	3.95	19.40	5.48	3.03	2.67
16.85	5.23	2.81	3.92	19.45	5.48	3.03	2.66
16.90	5.23	2.82	3.88	19.50	5.48	3.03	2.65
16.95	5.24	2.82	3.85	19.55	5.49	3.04	2.65
17.00	5.24	2.83	3.82	19.60	5.49	3.04	2.64
17.05	5.25	2.83	3.78	19.65	5.50	3.04	2.63
17.10	5.25	2.84	3.75	19.70	5.50	3.05	2.62
17.15	5.26	2.84	3.72	19.75	5.50	3.05	2.61
17.20	5.27	2.85	3.68	19.80	5.51	3.05	2.60
17.25	5.27	2.85	3.65	19.85	5.51	3.06	2.60
17.30	5.28	2.86	3.62	19.90	5.52	3.06	2.59
17.35	5.28	2.86	3.58	19.95	5.52	3.06	2.58
17.40	5.29	2.87	3.55	20.00	5.53	3.07	2.58
17.45	5.29	2.87	3.51	20.05	5.53	3.07	2.57
17.50	5.30	2.88	3.48	20.10	5.53	3.08	2.56
17.55	5.30	2.88	3.45	20.15	5.54	3.08	2.55
17.60	5.31	2.88	3.41	20.20	5.54	3.08	2.54
17.65	5.31	2.89	3.38	20.25	5.55	3.09	2.53
17.70	5.32	2.89	3.35	20.30	5.55	3.09	2.52
17.75	5.33	2.90	3.31	20.35	5.55	3.09	2.51
17.80	5.33	2.90	3.28	20.40	5.56	3.10	2.51
17.85	5.34	2.91	3.24	20.45	5.56	3.10	2.50
17.90	5.34	2.91	3.21	20.50	5.57	3.10	2.49
17.95	5.34	2.91	3.18	20.55	5.57	3.11	2.48
18.00	5.35	2.92	3.14	20.60	5.57	3.11	2.47
18.05	5.35	2.92	3.11	20.65	5.58	3.11	2.46
18.10	5.36	2.93	3.07	20.70	5.58	3.12	2.46
18.15	5.36	2.93	3.04	20.75	5.59	3.12	2.45

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	3.12	2.44	23.40	5.77	3.28	2.00
20.85	5.59	3.13	2.43	23.45	5.78	3.28	1.99
20.90	5.60	3.13	2.42	23.50	5.78	3.29	1.98
20.95	5.60	3.13	2.42	23.55	5.78	3.29	1.97
21.00	5.61	3.14	2.41	23.60	5.78	3.29	1.96
21.05	5.61	3.14	2.40	23.65	5.79	3.29	1.95
21.10	5.61	3.14	2.39	23.70	5.79	3.30	1.94
21.15	5.62	3.15	2.38	23.75	5.79	3.30	1.94
21.20	5.62	3.15	2.37	23.80	5.80	3.30	1.93
21.25	5.62	3.15	2.36	23.85	5.80	3.30	1.92
21.30	5.63	3.16	2.35	23.90	5.80	3.31	1.91
21.35	5.63	3.16	2.34	23.95	5.81	3.31	1.90
21.40	5.64	3.16	2.34	24.00	**5.81**	**3.31**	1.90
21.45	5.64	3.17	2.33	24.05	5.81	3.31	1.90
21.50	5.64	3.17	2.32	24.10	5.81	3.31	1.90
21.55	5.65	3.17	2.31	24.15	5.81	3.31	1.87
21.60	5.65	3.18	2.31	24.20	5.81	3.31	1.78
21.65	5.65	3.18	2.30	24.25	5.81	3.31	1.61
21.70	5.66	3.18	2.29	24.30	5.81	3.31	1.39
21.75	5.66	3.18	2.28	24.35	5.81	3.31	1.14
21.80	5.66	3.19	2.27	24.40	5.81	3.31	0.90
21.85	5.67	3.19	2.26	24.45	5.81	3.31	0.69
21.90	5.67	3.19	2.25	24.50	5.81	3.31	0.52
21.95	5.68	3.20	2.24	24.55	5.81	3.31	0.39
22.00	5.68	3.20	2.24	24.60	5.81	3.31	0.30
22.05	5.68	3.20	2.23	24.65	5.81	3.31	0.23
22.10	5.69	3.21	2.22	24.70	5.81	3.31	0.17
22.15	5.69	3.21	2.21	24.75	5.81	3.31	0.13
22.20	5.69	3.21	2.20	24.80	5.81	3.31	0.10
22.25	5.70	3.22	2.19	24.85	5.81	3.31	0.07
22.30	5.70	3.22	2.18	24.90	5.81	3.31	0.05
22.35	5.70	3.22	2.18	24.95	5.81	3.31	0.04
22.40	5.71	3.22	2.17	25.00	5.81	3.31	0.03
22.45	5.71	3.23	2.16	25.05	5.81	3.31	0.02
22.50	5.71	3.23	2.15	25.10	5.81	3.31	0.02
22.55	5.72	3.23	2.14	25.15	5.81	3.31	0.01
22.60	5.72	3.24	2.13	25.20	5.81	3.31	0.01
22.65	5.72	3.24	2.12	25.25	5.81	3.31	0.01
22.70	5.73	3.24	2.12	25.30	5.81	3.31	0.00
22.75	5.73	3.24	2.11	25.35	5.81	3.31	0.00
22.80	5.73	3.25	2.10	25.40	5.81	3.31	0.00
22.85	5.74	3.25	2.09	25.45	5.81	3.31	0.00
22.90	5.74	3.25	2.08	25.50	5.81	3.31	0.00
22.95	5.74	3.26	2.07	25.55	5.81	3.31	0.00
23.00	5.75	3.26	2.06	25.60	5.81	3.31	0.00
23.05	5.75	3.26	2.06	25.65	5.81	3.31	0.00
23.10	5.75	3.26	2.05	25.70	5.81	3.31	0.00
23.15	5.76	3.27	2.04	25.75	5.81	3.31	0.00
23.20	5.76	3.27	2.03	25.80	5.81	3.31	0.00
23.25	5.76	3.27	2.02	25.85	5.81	3.31	0.00
23.30	5.77	3.28	2.01	25.90	5.81	3.31	0.00
23.35	5.77	3.28	2.00	25.95	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.31	0.00	28.60	5.81	3.31	0.00
26.05	5.81	3.31	0.00	28.65	5.81	3.31	0.00
26.10	5.81	3.31	0.00	28.70	5.81	3.31	0.00
26.15	5.81	3.31	0.00	28.75	5.81	3.31	0.00
26.20	5.81	3.31	0.00	28.80	5.81	3.31	0.00
26.25	5.81	3.31	0.00	28.85	5.81	3.31	0.00
26.30	5.81	3.31	0.00	28.90	5.81	3.31	0.00
26.35	5.81	3.31	0.00	28.95	5.81	3.31	0.00
26.40	5.81	3.31	0.00	29.00	5.81	3.31	0.00
26.45	5.81	3.31	0.00	29.05	5.81	3.31	0.00
26.50	5.81	3.31	0.00	29.10	5.81	3.31	0.00
26.55	5.81	3.31	0.00	29.15	5.81	3.31	0.00
26.60	5.81	3.31	0.00	29.20	5.81	3.31	0.00
26.65	5.81	3.31	0.00	29.25	5.81	3.31	0.00
26.70	5.81	3.31	0.00	29.30	5.81	3.31	0.00
26.75	5.81	3.31	0.00	29.35	5.81	3.31	0.00
26.80	5.81	3.31	0.00	29.40	5.81	3.31	0.00
26.85	5.81	3.31	0.00	29.45	5.81	3.31	0.00
26.90	5.81	3.31	0.00	29.50	5.81	3.31	0.00
26.95	5.81	3.31	0.00	29.55	5.81	3.31	0.00
27.00	5.81	3.31	0.00	29.60	5.81	3.31	0.00
27.05	5.81	3.31	0.00	29.65	5.81	3.31	0.00
27.10	5.81	3.31	0.00	29.70	5.81	3.31	0.00
27.15	5.81	3.31	0.00	29.75	5.81	3.31	0.00
27.20	5.81	3.31	0.00	29.80	5.81	3.31	0.00
27.25	5.81	3.31	0.00	29.85	5.81	3.31	0.00
27.30	5.81	3.31	0.00	29.90	5.81	3.31	0.00
27.35	5.81	3.31	0.00	29.95	5.81	3.31	0.00
27.40	5.81	3.31	0.00	30.00	5.81	3.31	0.00
27.45	5.81	3.31	0.00	30.05	5.81	3.31	0.00
27.50	5.81	3.31	0.00	30.10	5.81	3.31	0.00
27.55	5.81	3.31	0.00	30.15	5.81	3.31	0.00
27.60	5.81	3.31	0.00	30.20	5.81	3.31	0.00
27.65	5.81	3.31	0.00	30.25	5.81	3.31	0.00
27.70	5.81	3.31	0.00	30.30	5.81	3.31	0.00
27.75	5.81	3.31	0.00	30.35	5.81	3.31	0.00
27.80	5.81	3.31	0.00	30.40	5.81	3.31	0.00
27.85	5.81	3.31	0.00	30.45	5.81	3.31	0.00
27.90	5.81	3.31	0.00	30.50	5.81	3.31	0.00
27.95	5.81	3.31	0.00	30.55	5.81	3.31	0.00
28.00	5.81	3.31	0.00	30.60	5.81	3.31	0.00
28.05	5.81	3.31	0.00	30.65	5.81	3.31	0.00
28.10	5.81	3.31	0.00	30.70	5.81	3.31	0.00
28.15	5.81	3.31	0.00	30.75	5.81	3.31	0.00
28.20	5.81	3.31	0.00	30.80	5.81	3.31	0.00
28.25	5.81	3.31	0.00	30.85	5.81	3.31	0.00
28.30	5.81	3.31	0.00	30.90	5.81	3.31	0.00
28.35	5.81	3.31	0.00	30.95	5.81	3.31	0.00
28.40	5.81	3.31	0.00	31.00	5.81	3.31	0.00
28.45	5.81	3.31	0.00	31.05	5.81	3.31	0.00
28.50	5.81	3.31	0.00	31.10	5.81	3.31	0.00
28.55	5.81	3.31	0.00	31.15	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.31	0.00	33.80	5.81	3.31	0.00
31.25	5.81	3.31	0.00	33.85	5.81	3.31	0.00
31.30	5.81	3.31	0.00	33.90	5.81	3.31	0.00
31.35	5.81	3.31	0.00	33.95	5.81	3.31	0.00
31.40	5.81	3.31	0.00	34.00	5.81	3.31	0.00
31.45	5.81	3.31	0.00	34.05	5.81	3.31	0.00
31.50	5.81	3.31	0.00	34.10	5.81	3.31	0.00
31.55	5.81	3.31	0.00	34.15	5.81	3.31	0.00
31.60	5.81	3.31	0.00	34.20	5.81	3.31	0.00
31.65	5.81	3.31	0.00	34.25	5.81	3.31	0.00
31.70	5.81	3.31	0.00	34.30	5.81	3.31	0.00
31.75	5.81	3.31	0.00	34.35	5.81	3.31	0.00
31.80	5.81	3.31	0.00	34.40	5.81	3.31	0.00
31.85	5.81	3.31	0.00	34.45	5.81	3.31	0.00
31.90	5.81	3.31	0.00	34.50	5.81	3.31	0.00
31.95	5.81	3.31	0.00	34.55	5.81	3.31	0.00
32.00	5.81	3.31	0.00	34.60	5.81	3.31	0.00
32.05	5.81	3.31	0.00	34.65	5.81	3.31	0.00
32.10	5.81	3.31	0.00	34.70	5.81	3.31	0.00
32.15	5.81	3.31	0.00	34.75	5.81	3.31	0.00
32.20	5.81	3.31	0.00	34.80	5.81	3.31	0.00
32.25	5.81	3.31	0.00	34.85	5.81	3.31	0.00
32.30	5.81	3.31	0.00	34.90	5.81	3.31	0.00
32.35	5.81	3.31	0.00	34.95	5.81	3.31	0.00
32.40	5.81	3.31	0.00	35.00	5.81	3.31	0.00
32.45	5.81	3.31	0.00	35.05	5.81	3.31	0.00
32.50	5.81	3.31	0.00	35.10	5.81	3.31	0.00
32.55	5.81	3.31	0.00	35.15	5.81	3.31	0.00
32.60	5.81	3.31	0.00	35.20	5.81	3.31	0.00
32.65	5.81	3.31	0.00	35.25	5.81	3.31	0.00
32.70	5.81	3.31	0.00	35.30	5.81	3.31	0.00
32.75	5.81	3.31	0.00	35.35	5.81	3.31	0.00
32.80	5.81	3.31	0.00	35.40	5.81	3.31	0.00
32.85	5.81	3.31	0.00	35.45	5.81	3.31	0.00
32.90	5.81	3.31	0.00	35.50	5.81	3.31	0.00
32.95	5.81	3.31	0.00	35.55	5.81	3.31	0.00
33.00	5.81	3.31	0.00	35.60	5.81	3.31	0.00
33.05	5.81	3.31	0.00	35.65	5.81	3.31	0.00
33.10	5.81	3.31	0.00	35.70	5.81	3.31	0.00
33.15	5.81	3.31	0.00	35.75	5.81	3.31	0.00
33.20	5.81	3.31	0.00	35.80	5.81	3.31	0.00
33.25	5.81	3.31	0.00	35.85	5.81	3.31	0.00
33.30	5.81	3.31	0.00	35.90	5.81	3.31	0.00
33.35	5.81	3.31	0.00	35.95	5.81	3.31	0.00
33.40	5.81	3.31	0.00	36.00	5.81	3.31	0.00
33.45	5.81	3.31	0.00	36.05	5.81	3.31	0.00
33.50	5.81	3.31	0.00	36.10	5.81	3.31	0.00
33.55	5.81	3.31	0.00	36.15	5.81	3.31	0.00
33.60	5.81	3.31	0.00	36.20	5.81	3.31	0.00
33.65	5.81	3.31	0.00	36.25	5.81	3.31	0.00
33.70	5.81	3.31	0.00	36.30	5.81	3.31	0.00
33.75	5.81	3.31	0.00	36.35	5.81	3.31	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.31	0.00
36.45	5.81	3.31	0.00
36.50	5.81	3.31	0.00
36.55	5.81	3.31	0.00
36.60	5.81	3.31	0.00
36.65	5.81	3.31	0.00
36.70	5.81	3.31	0.00
36.75	5.81	3.31	0.00
36.80	5.81	3.31	0.00
36.85	5.81	3.31	0.00
36.90	5.81	3.31	0.00
36.95	5.81	3.31	0.00
37.00	5.81	3.31	0.00
37.05	5.81	3.31	0.00
37.10	5.81	3.31	0.00
37.15	5.81	3.31	0.00
37.20	5.81	3.31	0.00
37.25	5.81	3.31	0.00
37.30	5.81	3.31	0.00
37.35	5.81	3.31	0.00
37.40	5.81	3.31	0.00
37.45	5.81	3.31	0.00
37.50	5.81	3.31	0.00
37.55	5.81	3.31	0.00
37.60	5.81	3.31	0.00
37.65	5.81	3.31	0.00
37.70	5.81	3.31	0.00
37.75	5.81	3.31	0.00
37.80	5.81	3.31	0.00
37.85	5.81	3.31	0.00
37.90	5.81	3.31	0.00
37.95	5.81	3.31	0.00
38.00	5.81	3.31	0.00
38.05	5.81	3.31	0.00
38.10	5.81	3.31	0.00
38.15	5.81	3.31	0.00
38.20	5.81	3.31	0.00
38.25	5.81	3.31	0.00
38.30	5.81	3.31	0.00
38.35	5.81	3.31	0.00
38.40	5.81	3.31	0.00
38.45	5.81	3.31	0.00
38.50	5.81	3.31	0.00
38.55	5.81	3.31	0.00
38.60	5.81	3.31	0.00
38.65	5.81	3.31	0.00
38.70	5.81	3.31	0.00
38.75	5.81	3.31	0.00
38.80	5.81	3.31	0.00
38.85	5.81	3.31	0.00
38.90	5.81	3.31	0.00
38.95	5.81	3.31	0.00
39.00	5.81	3.31	0.00
39.05	5.81	3.31	0.00
39.10	5.81	3.31	0.00
39.15	5.81	3.31	0.00
39.20	5.81	3.31	0.00
39.25	5.81	3.31	0.00
39.30	5.81	3.31	0.00
39.35	5.81	3.31	0.00
39.40	5.81	3.31	0.00
39.45	5.81	3.31	0.00
39.50	5.81	3.31	0.00
39.55	5.81	3.31	0.00
39.60	5.81	3.31	0.00
39.65	5.81	3.31	0.00
39.70	5.81	3.31	0.00
39.75	5.81	3.31	0.00
39.80	5.81	3.31	0.00
39.85	5.81	3.31	0.00
39.90	5.81	3.31	0.00
39.95	5.81	3.31	0.00
40.00	5.81	3.31	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

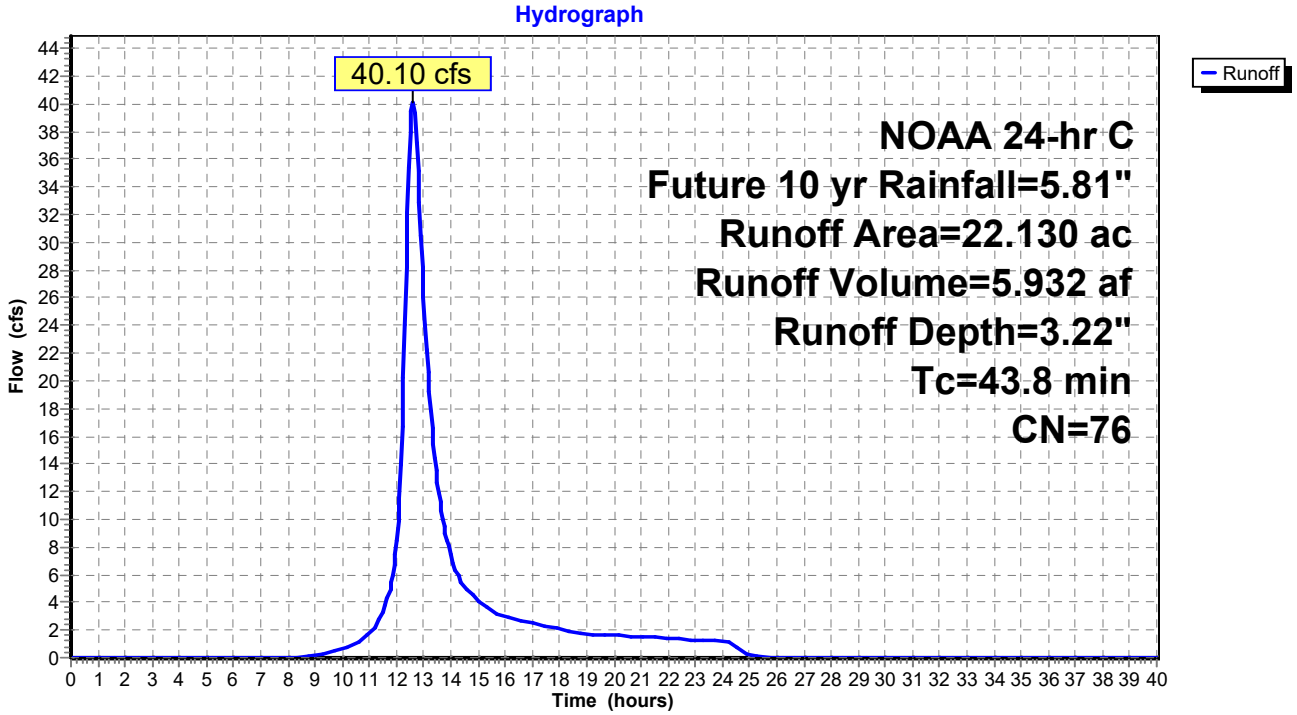
Runoff = 40.10 cfs @ 12.61 hrs, Volume= 5.932 af, Depth= 3.22"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.01
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.01
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.01
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.02
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.02
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.03
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.04
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.05
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.06
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.07
5.85	0.45	0.00	0.00	8.45	0.76	0.01	0.08
5.90	0.45	0.00	0.00	8.50	0.77	0.01	0.09
5.95	0.46	0.00	0.00	8.55	0.78	0.01	0.10
6.00	0.46	0.00	0.00	8.60	0.78	0.01	0.11
6.05	0.47	0.00	0.00	8.65	0.79	0.01	0.13
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.14
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.15
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.17
6.25	0.48	0.00	0.00	8.85	0.82	0.01	0.18
6.30	0.49	0.00	0.00	8.90	0.83	0.01	0.20
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.21
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.23
6.45	0.51	0.00	0.00	9.05	0.86	0.02	0.24
6.50	0.51	0.00	0.00	9.10	0.87	0.02	0.26
6.55	0.52	0.00	0.00	9.15	0.87	0.02	0.28
6.60	0.52	0.00	0.00	9.20	0.88	0.02	0.29
6.65	0.53	0.00	0.00	9.25	0.89	0.02	0.31
6.70	0.53	0.00	0.00	9.30	0.90	0.02	0.33
6.75	0.54	0.00	0.00	9.35	0.91	0.02	0.35
6.80	0.54	0.00	0.00	9.40	0.92	0.02	0.37
6.85	0.55	0.00	0.00	9.45	0.93	0.03	0.39
6.90	0.56	0.00	0.00	9.50	0.94	0.03	0.41
6.95	0.56	0.00	0.00	9.55	0.95	0.03	0.43
7.00	0.57	0.00	0.00	9.60	0.96	0.03	0.46
7.05	0.57	0.00	0.00	9.65	0.98	0.03	0.48
7.10	0.58	0.00	0.00	9.70	0.99	0.04	0.51
7.15	0.58	0.00	0.00	9.75	1.00	0.04	0.54
7.20	0.59	0.00	0.00	9.80	1.01	0.04	0.57
7.25	0.60	0.00	0.00	9.85	1.02	0.04	0.60
7.30	0.60	0.00	0.00	9.90	1.03	0.05	0.63
7.35	0.61	0.00	0.00	9.95	1.05	0.05	0.66
7.40	0.62	0.00	0.00	10.00	1.06	0.05	0.70
7.45	0.62	0.00	0.00	10.05	1.07	0.05	0.74
7.50	0.63	0.00	0.00	10.10	1.09	0.06	0.77
7.55	0.64	0.00	0.00	10.15	1.10	0.06	0.81
7.60	0.64	0.00	0.00	10.20	1.11	0.06	0.85
7.65	0.65	0.00	0.00	10.25	1.13	0.07	0.89
7.70	0.65	0.00	0.00	10.30	1.14	0.07	0.94
7.75	0.66	0.00	0.00	10.35	1.15	0.07	0.98

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.08	1.03	13.00	4.42	2.06	26.03
10.45	1.18	0.08	1.07	13.05	4.44	2.08	24.06
10.50	1.20	0.09	1.12	13.10	4.46	2.10	22.30
10.55	1.21	0.09	1.17	13.15	4.48	2.12	20.66
10.60	1.23	0.10	1.22	13.20	4.50	2.13	19.18
10.65	1.25	0.10	1.27	13.25	4.52	2.15	17.82
10.70	1.27	0.11	1.33	13.30	4.54	2.16	16.59
10.75	1.29	0.11	1.39	13.35	4.56	2.18	15.47
10.80	1.31	0.12	1.45	13.40	4.58	2.19	14.47
10.85	1.33	0.13	1.52	13.45	4.60	2.21	13.55
10.90	1.35	0.13	1.59	13.50	4.61	2.22	12.71
10.95	1.37	0.14	1.68	13.55	4.63	2.23	11.94
11.00	1.39	0.15	1.77	13.60	4.64	2.24	11.25
11.05	1.42	0.16	1.87	13.65	4.66	2.26	10.60
11.10	1.45	0.17	1.98	13.70	4.67	2.27	10.02
11.15	1.48	0.18	2.11	13.75	4.68	2.28	9.47
11.20	1.51	0.19	2.24	13.80	4.70	2.29	8.97
11.25	1.54	0.20	2.39	13.85	4.71	2.30	8.51
11.30	1.57	0.21	2.54	13.90	4.72	2.31	8.09
11.35	1.61	0.23	2.72	13.95	4.74	2.32	7.70
11.40	1.64	0.24	2.91	14.00	4.75	2.33	7.34
11.45	1.68	0.26	3.13	14.05	4.76	2.34	7.02
11.50	1.72	0.28	3.35	14.10	4.78	2.35	6.72
11.55	1.78	0.30	3.61	14.15	4.79	2.36	6.46
11.60	1.83	0.33	3.88	14.20	4.80	2.37	6.22
11.65	1.90	0.36	4.19	14.25	4.81	2.38	6.00
11.70	1.96	0.39	4.54	14.30	4.82	2.39	5.80
11.75	2.04	0.44	4.94	14.35	4.83	2.40	5.62
11.80	2.13	0.48	5.42	14.40	4.85	2.41	5.45
11.85	2.25	0.55	5.99	14.45	4.86	2.42	5.30
11.90	2.36	0.61	6.67	14.50	4.87	2.43	5.15
11.95	2.57	0.73	7.49	14.55	4.88	2.43	5.03
12.00	2.77	0.86	8.52	14.60	4.89	2.44	4.91
12.05	3.11	1.09	9.82	14.65	4.90	2.45	4.80
12.10	3.45	1.33	11.56	14.70	4.91	2.46	4.70
12.15	3.56	1.41	13.86	14.75	4.92	2.47	4.60
12.20	3.68	1.50	16.73	14.80	4.93	2.47	4.50
12.25	3.77	1.56	20.18	14.85	4.94	2.48	4.42
12.30	3.85	1.63	24.07	14.90	4.94	2.49	4.32
12.35	3.91	1.67	28.19	14.95	4.95	2.50	4.24
12.40	3.98	1.72	32.11	15.00	4.96	2.50	4.15
12.45	4.03	1.76	35.42	15.05	4.97	2.51	4.07
12.50	4.09	1.81	37.95	15.10	4.98	2.52	3.98
12.55	4.13	1.84	39.42	15.15	4.99	2.52	3.91
12.60	4.17	1.87	**40.09**	15.20	4.99	2.53	3.82
12.65	4.20	1.90	39.75	15.25	5.00	2.54	3.74
12.70	4.24	1.92	38.82	15.30	5.01	2.54	3.66
12.75	4.27	1.95	37.22	15.35	5.02	2.55	3.59
12.80	4.30	1.98	35.22	15.40	5.03	2.56	3.51
12.85	4.33	2.00	32.85	15.45	5.03	2.56	3.44
12.90	4.36	2.02	30.48	15.50	5.04	2.57	3.38
12.95	4.39	2.04	28.16	15.55	5.05	2.58	3.31

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.58	3.26	18.20	5.37	2.84	1.97
15.65	5.06	2.59	3.20	18.25	5.37	2.85	1.96
15.70	5.07	2.59	3.16	18.30	5.38	2.85	1.93
15.75	5.08	2.60	3.11	18.35	5.38	2.85	1.91
15.80	5.09	2.61	3.07	18.40	5.39	2.86	1.89
15.85	5.09	2.61	3.03	18.45	5.39	2.86	1.88
15.90	5.10	2.62	3.00	18.50	5.40	2.87	1.86
15.95	5.11	2.62	2.96	18.55	5.40	2.87	1.84
16.00	5.11	2.63	2.94	18.60	5.40	2.87	1.82
16.05	5.12	2.64	2.90	18.65	5.41	2.88	1.81
16.10	5.13	2.64	2.88	18.70	5.41	2.88	1.80
16.15	5.13	2.65	2.85	18.75	5.42	2.88	1.79
16.20	5.14	2.65	2.83	18.80	5.42	2.89	1.77
16.25	5.15	2.66	2.80	18.85	5.43	2.89	1.77
16.30	5.16	2.66	2.78	18.90	5.43	2.90	1.76
16.35	5.16	2.67	2.75	18.95	5.44	2.90	1.75
16.40	5.17	2.67	2.73	19.00	5.44	2.90	1.74
16.45	5.17	2.68	2.71	19.05	5.44	2.91	1.73
16.50	5.18	2.69	2.69	19.10	5.45	2.91	1.72
16.55	5.19	2.69	2.66	19.15	5.45	2.91	1.72
16.60	5.19	2.70	2.65	19.20	5.46	2.92	1.71
16.65	5.20	2.70	2.62	19.25	5.46	2.92	1.71
16.70	5.21	2.71	2.60	19.30	5.47	2.92	1.70
16.75	5.21	2.71	2.58	19.35	5.47	2.93	1.69
16.80	5.22	2.72	2.56	19.40	5.48	2.93	1.69
16.85	5.23	2.72	2.54	19.45	5.48	2.94	1.68
16.90	5.23	2.73	2.52	19.50	5.48	2.94	1.68
16.95	5.24	2.73	2.50	19.55	5.49	2.94	1.67
17.00	5.24	2.74	2.48	19.60	5.49	2.95	1.67
17.05	5.25	2.74	2.45	19.65	5.50	2.95	1.66
17.10	5.25	2.75	2.43	19.70	5.50	2.95	1.65
17.15	5.26	2.75	2.41	19.75	5.50	2.96	1.65
17.20	5.27	2.76	2.39	19.80	5.51	2.96	1.64
17.25	5.27	2.76	2.37	19.85	5.51	2.96	1.64
17.30	5.28	2.77	2.35	19.90	5.52	2.97	1.63
17.35	5.28	2.77	2.33	19.95	5.52	2.97	1.63
17.40	5.29	2.78	2.31	20.00	5.53	2.97	1.62
17.45	5.29	2.78	2.29	20.05	5.53	2.98	1.62
17.50	5.30	2.78	2.27	20.10	5.53	2.98	1.61
17.55	5.30	2.79	2.25	20.15	5.54	2.99	1.61
17.60	5.31	2.79	2.23	20.20	5.54	2.99	1.60
17.65	5.31	2.80	2.21	20.25	5.55	2.99	1.60
17.70	5.32	2.80	2.18	20.30	5.55	3.00	1.59
17.75	5.33	2.81	2.16	20.35	5.55	3.00	1.59
17.80	5.33	2.81	2.14	20.40	5.56	3.00	1.58
17.85	5.34	2.81	2.12	20.45	5.56	3.01	1.58
17.90	5.34	2.82	2.10	20.50	5.57	3.01	1.57
17.95	5.34	2.82	2.08	20.55	5.57	3.01	1.57
18.00	5.35	2.83	2.06	20.60	5.57	3.02	1.56
18.05	5.35	2.83	2.04	20.65	5.58	3.02	1.56
18.10	5.36	2.83	2.02	20.70	5.58	3.02	1.55
18.15	5.36	2.84	2.00	20.75	5.59	3.03	1.55

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	3.03	1.54	23.40	5.77	3.18	1.27
20.85	5.59	3.03	1.54	23.45	5.78	3.19	1.26
20.90	5.60	3.04	1.53	23.50	5.78	3.19	1.26
20.95	5.60	3.04	1.53	23.55	5.78	3.19	1.25
21.00	5.61	3.04	1.52	23.60	5.78	3.19	1.25
21.05	5.61	3.05	1.52	23.65	5.79	3.20	1.24
21.10	5.61	3.05	1.51	23.70	5.79	3.20	1.24
21.15	5.62	3.05	1.50	23.75	5.79	3.20	1.23
21.20	5.62	3.05	1.50	23.80	5.80	3.21	1.23
21.25	5.62	3.06	1.49	23.85	5.80	3.21	1.22
21.30	5.63	3.06	1.49	23.90	5.80	3.21	1.21
21.35	5.63	3.06	1.48	23.95	5.81	3.21	1.21
21.40	5.64	3.07	1.48	24.00	**5.81**	**3.22**	1.20
21.45	5.64	3.07	1.47	24.05	5.81	3.22	1.20
21.50	5.64	3.07	1.47	24.10	5.81	3.22	1.20
21.55	5.65	3.08	1.46	24.15	5.81	3.22	1.19
21.60	5.65	3.08	1.46	24.20	5.81	3.22	1.17
21.65	5.65	3.08	1.45	24.25	5.81	3.22	1.15
21.70	5.66	3.09	1.45	24.30	5.81	3.22	1.12
21.75	5.66	3.09	1.44	24.35	5.81	3.22	1.06
21.80	5.66	3.09	1.44	24.40	5.81	3.22	1.00
21.85	5.67	3.10	1.43	24.45	5.81	3.22	0.92
21.90	5.67	3.10	1.43	24.50	5.81	3.22	0.83
21.95	5.68	3.10	1.42	24.55	5.81	3.22	0.74
22.00	5.68	3.10	1.42	24.60	5.81	3.22	0.65
22.05	5.68	3.11	1.41	24.65	5.81	3.22	0.57
22.10	5.69	3.11	1.40	24.70	5.81	3.22	0.48
22.15	5.69	3.11	1.40	24.75	5.81	3.22	0.41
22.20	5.69	3.12	1.39	24.80	5.81	3.22	0.35
22.25	5.70	3.12	1.39	24.85	5.81	3.22	0.29
22.30	5.70	3.12	1.38	24.90	5.81	3.22	0.24
22.35	5.70	3.13	1.38	24.95	5.81	3.22	0.21
22.40	5.71	3.13	1.37	25.00	5.81	3.22	0.17
22.45	5.71	3.13	1.37	25.05	5.81	3.22	0.15
22.50	5.71	3.13	1.36	25.10	5.81	3.22	0.12
22.55	5.72	3.14	1.36	25.15	5.81	3.22	0.11
22.60	5.72	3.14	1.35	25.20	5.81	3.22	0.09
22.65	5.72	3.14	1.35	25.25	5.81	3.22	0.08
22.70	5.73	3.15	1.34	25.30	5.81	3.22	0.06
22.75	5.73	3.15	1.34	25.35	5.81	3.22	0.05
22.80	5.73	3.15	1.33	25.40	5.81	3.22	0.04
22.85	5.74	3.15	1.33	25.45	5.81	3.22	0.04
22.90	5.74	3.16	1.32	25.50	5.81	3.22	0.03
22.95	5.74	3.16	1.32	25.55	5.81	3.22	0.03
23.00	5.75	3.16	1.31	25.60	5.81	3.22	0.02
23.05	5.75	3.17	1.30	25.65	5.81	3.22	0.02
23.10	5.75	3.17	1.30	25.70	5.81	3.22	0.02
23.15	5.76	3.17	1.29	25.75	5.81	3.22	0.01
23.20	5.76	3.17	1.29	25.80	5.81	3.22	0.01
23.25	5.76	3.18	1.28	25.85	5.81	3.22	0.01
23.30	5.77	3.18	1.28	25.90	5.81	3.22	0.01
23.35	5.77	3.18	1.27	25.95	5.81	3.22	0.01

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.22	0.00	28.60	5.81	3.22	0.00
26.05	5.81	3.22	0.00	28.65	5.81	3.22	0.00
26.10	5.81	3.22	0.00	28.70	5.81	3.22	0.00
26.15	5.81	3.22	0.00	28.75	5.81	3.22	0.00
26.20	5.81	3.22	0.00	28.80	5.81	3.22	0.00
26.25	5.81	3.22	0.00	28.85	5.81	3.22	0.00
26.30	5.81	3.22	0.00	28.90	5.81	3.22	0.00
26.35	5.81	3.22	0.00	28.95	5.81	3.22	0.00
26.40	5.81	3.22	0.00	29.00	5.81	3.22	0.00
26.45	5.81	3.22	0.00	29.05	5.81	3.22	0.00
26.50	5.81	3.22	0.00	29.10	5.81	3.22	0.00
26.55	5.81	3.22	0.00	29.15	5.81	3.22	0.00
26.60	5.81	3.22	0.00	29.20	5.81	3.22	0.00
26.65	5.81	3.22	0.00	29.25	5.81	3.22	0.00
26.70	5.81	3.22	0.00	29.30	5.81	3.22	0.00
26.75	5.81	3.22	0.00	29.35	5.81	3.22	0.00
26.80	5.81	3.22	0.00	29.40	5.81	3.22	0.00
26.85	5.81	3.22	0.00	29.45	5.81	3.22	0.00
26.90	5.81	3.22	0.00	29.50	5.81	3.22	0.00
26.95	5.81	3.22	0.00	29.55	5.81	3.22	0.00
27.00	5.81	3.22	0.00	29.60	5.81	3.22	0.00
27.05	5.81	3.22	0.00	29.65	5.81	3.22	0.00
27.10	5.81	3.22	0.00	29.70	5.81	3.22	0.00
27.15	5.81	3.22	0.00	29.75	5.81	3.22	0.00
27.20	5.81	3.22	0.00	29.80	5.81	3.22	0.00
27.25	5.81	3.22	0.00	29.85	5.81	3.22	0.00
27.30	5.81	3.22	0.00	29.90	5.81	3.22	0.00
27.35	5.81	3.22	0.00	29.95	5.81	3.22	0.00
27.40	5.81	3.22	0.00	30.00	5.81	3.22	0.00
27.45	5.81	3.22	0.00	30.05	5.81	3.22	0.00
27.50	5.81	3.22	0.00	30.10	5.81	3.22	0.00
27.55	5.81	3.22	0.00	30.15	5.81	3.22	0.00
27.60	5.81	3.22	0.00	30.20	5.81	3.22	0.00
27.65	5.81	3.22	0.00	30.25	5.81	3.22	0.00
27.70	5.81	3.22	0.00	30.30	5.81	3.22	0.00
27.75	5.81	3.22	0.00	30.35	5.81	3.22	0.00
27.80	5.81	3.22	0.00	30.40	5.81	3.22	0.00
27.85	5.81	3.22	0.00	30.45	5.81	3.22	0.00
27.90	5.81	3.22	0.00	30.50	5.81	3.22	0.00
27.95	5.81	3.22	0.00	30.55	5.81	3.22	0.00
28.00	5.81	3.22	0.00	30.60	5.81	3.22	0.00
28.05	5.81	3.22	0.00	30.65	5.81	3.22	0.00
28.10	5.81	3.22	0.00	30.70	5.81	3.22	0.00
28.15	5.81	3.22	0.00	30.75	5.81	3.22	0.00
28.20	5.81	3.22	0.00	30.80	5.81	3.22	0.00
28.25	5.81	3.22	0.00	30.85	5.81	3.22	0.00
28.30	5.81	3.22	0.00	30.90	5.81	3.22	0.00
28.35	5.81	3.22	0.00	30.95	5.81	3.22	0.00
28.40	5.81	3.22	0.00	31.00	5.81	3.22	0.00
28.45	5.81	3.22	0.00	31.05	5.81	3.22	0.00
28.50	5.81	3.22	0.00	31.10	5.81	3.22	0.00
28.55	5.81	3.22	0.00	31.15	5.81	3.22	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.22	0.00	33.80	5.81	3.22	0.00
31.25	5.81	3.22	0.00	33.85	5.81	3.22	0.00
31.30	5.81	3.22	0.00	33.90	5.81	3.22	0.00
31.35	5.81	3.22	0.00	33.95	5.81	3.22	0.00
31.40	5.81	3.22	0.00	34.00	5.81	3.22	0.00
31.45	5.81	3.22	0.00	34.05	5.81	3.22	0.00
31.50	5.81	3.22	0.00	34.10	5.81	3.22	0.00
31.55	5.81	3.22	0.00	34.15	5.81	3.22	0.00
31.60	5.81	3.22	0.00	34.20	5.81	3.22	0.00
31.65	5.81	3.22	0.00	34.25	5.81	3.22	0.00
31.70	5.81	3.22	0.00	34.30	5.81	3.22	0.00
31.75	5.81	3.22	0.00	34.35	5.81	3.22	0.00
31.80	5.81	3.22	0.00	34.40	5.81	3.22	0.00
31.85	5.81	3.22	0.00	34.45	5.81	3.22	0.00
31.90	5.81	3.22	0.00	34.50	5.81	3.22	0.00
31.95	5.81	3.22	0.00	34.55	5.81	3.22	0.00
32.00	5.81	3.22	0.00	34.60	5.81	3.22	0.00
32.05	5.81	3.22	0.00	34.65	5.81	3.22	0.00
32.10	5.81	3.22	0.00	34.70	5.81	3.22	0.00
32.15	5.81	3.22	0.00	34.75	5.81	3.22	0.00
32.20	5.81	3.22	0.00	34.80	5.81	3.22	0.00
32.25	5.81	3.22	0.00	34.85	5.81	3.22	0.00
32.30	5.81	3.22	0.00	34.90	5.81	3.22	0.00
32.35	5.81	3.22	0.00	34.95	5.81	3.22	0.00
32.40	5.81	3.22	0.00	35.00	5.81	3.22	0.00
32.45	5.81	3.22	0.00	35.05	5.81	3.22	0.00
32.50	5.81	3.22	0.00	35.10	5.81	3.22	0.00
32.55	5.81	3.22	0.00	35.15	5.81	3.22	0.00
32.60	5.81	3.22	0.00	35.20	5.81	3.22	0.00
32.65	5.81	3.22	0.00	35.25	5.81	3.22	0.00
32.70	5.81	3.22	0.00	35.30	5.81	3.22	0.00
32.75	5.81	3.22	0.00	35.35	5.81	3.22	0.00
32.80	5.81	3.22	0.00	35.40	5.81	3.22	0.00
32.85	5.81	3.22	0.00	35.45	5.81	3.22	0.00
32.90	5.81	3.22	0.00	35.50	5.81	3.22	0.00
32.95	5.81	3.22	0.00	35.55	5.81	3.22	0.00
33.00	5.81	3.22	0.00	35.60	5.81	3.22	0.00
33.05	5.81	3.22	0.00	35.65	5.81	3.22	0.00
33.10	5.81	3.22	0.00	35.70	5.81	3.22	0.00
33.15	5.81	3.22	0.00	35.75	5.81	3.22	0.00
33.20	5.81	3.22	0.00	35.80	5.81	3.22	0.00
33.25	5.81	3.22	0.00	35.85	5.81	3.22	0.00
33.30	5.81	3.22	0.00	35.90	5.81	3.22	0.00
33.35	5.81	3.22	0.00	35.95	5.81	3.22	0.00
33.40	5.81	3.22	0.00	36.00	5.81	3.22	0.00
33.45	5.81	3.22	0.00	36.05	5.81	3.22	0.00
33.50	5.81	3.22	0.00	36.10	5.81	3.22	0.00
33.55	5.81	3.22	0.00	36.15	5.81	3.22	0.00
33.60	5.81	3.22	0.00	36.20	5.81	3.22	0.00
33.65	5.81	3.22	0.00	36.25	5.81	3.22	0.00
33.70	5.81	3.22	0.00	36.30	5.81	3.22	0.00
33.75	5.81	3.22	0.00	36.35	5.81	3.22	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.22	0.00
36.45	5.81	3.22	0.00
36.50	5.81	3.22	0.00
36.55	5.81	3.22	0.00
36.60	5.81	3.22	0.00
36.65	5.81	3.22	0.00
36.70	5.81	3.22	0.00
36.75	5.81	3.22	0.00
36.80	5.81	3.22	0.00
36.85	5.81	3.22	0.00
36.90	5.81	3.22	0.00
36.95	5.81	3.22	0.00
37.00	5.81	3.22	0.00
37.05	5.81	3.22	0.00
37.10	5.81	3.22	0.00
37.15	5.81	3.22	0.00
37.20	5.81	3.22	0.00
37.25	5.81	3.22	0.00
37.30	5.81	3.22	0.00
37.35	5.81	3.22	0.00
37.40	5.81	3.22	0.00
37.45	5.81	3.22	0.00
37.50	5.81	3.22	0.00
37.55	5.81	3.22	0.00
37.60	5.81	3.22	0.00
37.65	5.81	3.22	0.00
37.70	5.81	3.22	0.00
37.75	5.81	3.22	0.00
37.80	5.81	3.22	0.00
37.85	5.81	3.22	0.00
37.90	5.81	3.22	0.00
37.95	5.81	3.22	0.00
38.00	5.81	3.22	0.00
38.05	5.81	3.22	0.00
38.10	5.81	3.22	0.00
38.15	5.81	3.22	0.00
38.20	5.81	3.22	0.00
38.25	5.81	3.22	0.00
38.30	5.81	3.22	0.00
38.35	5.81	3.22	0.00
38.40	5.81	3.22	0.00
38.45	5.81	3.22	0.00
38.50	5.81	3.22	0.00
38.55	5.81	3.22	0.00
38.60	5.81	3.22	0.00
38.65	5.81	3.22	0.00
38.70	5.81	3.22	0.00
38.75	5.81	3.22	0.00
38.80	5.81	3.22	0.00
38.85	5.81	3.22	0.00
38.90	5.81	3.22	0.00
38.95	5.81	3.22	0.00
39.00	5.81	3.22	0.00
39.05	5.81	3.22	0.00
39.10	5.81	3.22	0.00
39.15	5.81	3.22	0.00
39.20	5.81	3.22	0.00
39.25	5.81	3.22	0.00
39.30	5.81	3.22	0.00
39.35	5.81	3.22	0.00
39.40	5.81	3.22	0.00
39.45	5.81	3.22	0.00
39.50	5.81	3.22	0.00
39.55	5.81	3.22	0.00
39.60	5.81	3.22	0.00
39.65	5.81	3.22	0.00
39.70	5.81	3.22	0.00
39.75	5.81	3.22	0.00
39.80	5.81	3.22	0.00
39.85	5.81	3.22	0.00
39.90	5.81	3.22	0.00
39.95	5.81	3.22	0.00
40.00	5.81	3.22	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

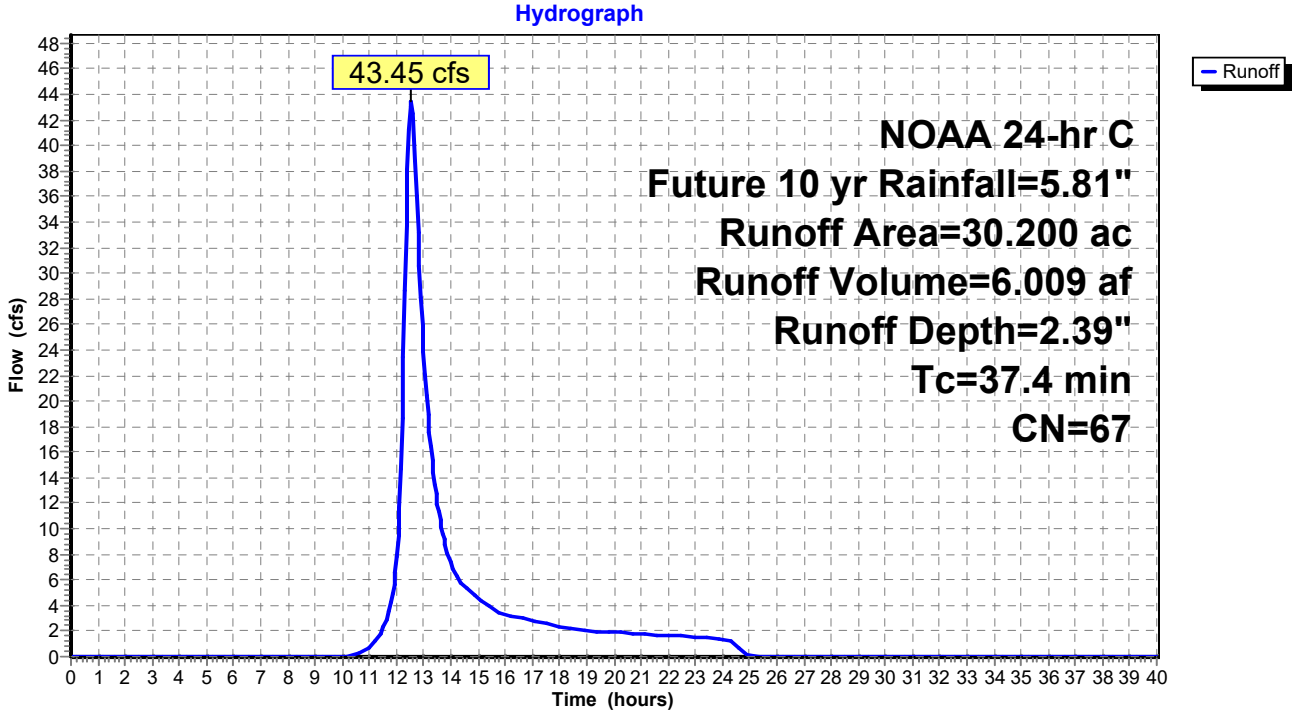
Runoff = 43.45 cfs @ 12.54 hrs, Volume= 6.009 af, Depth= 2.39"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.01
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.01
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.02
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.07
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.09
7.75	0.66	0.00	0.00	10.35	1.15	0.01	0.12

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.01	0.14	13.00	4.42	1.41	23.86
10.45	1.18	0.01	0.18	13.05	4.44	1.42	22.03
10.50	1.20	0.01	0.21	13.10	4.46	1.44	20.39
10.55	1.21	0.01	0.25	13.15	4.48	1.45	18.90
10.60	1.23	0.01	0.29	13.20	4.50	1.47	17.57
10.65	1.25	0.01	0.33	13.25	4.52	1.48	16.39
10.70	1.27	0.02	0.37	13.30	4.54	1.49	15.31
10.75	1.29	0.02	0.42	13.35	4.56	1.50	14.36
10.80	1.31	0.02	0.48	13.40	4.58	1.52	13.48
10.85	1.33	0.02	0.54	13.45	4.60	1.53	12.69
10.90	1.35	0.02	0.60	13.50	4.61	1.54	11.98
10.95	1.37	0.03	0.67	13.55	4.63	1.55	11.32
11.00	1.39	0.03	0.75	13.60	4.64	1.56	10.72
11.05	1.42	0.04	0.84	13.65	4.66	1.57	10.16
11.10	1.45	0.04	0.93	13.70	4.67	1.58	9.65
11.15	1.48	0.04	1.04	13.75	4.68	1.59	9.18
11.20	1.51	0.05	1.15	13.80	4.70	1.60	8.73
11.25	1.54	0.06	1.28	13.85	4.71	1.60	8.33
11.30	1.57	0.06	1.43	13.90	4.72	1.61	7.95
11.35	1.61	0.07	1.58	13.95	4.74	1.62	7.60
11.40	1.64	0.08	1.76	14.00	4.75	1.63	7.29
11.45	1.68	0.09	1.95	14.05	4.76	1.64	7.01
11.50	1.72	0.09	2.17	14.10	4.78	1.65	6.76
11.55	1.78	0.11	2.40	14.15	4.79	1.66	6.53
11.60	1.83	0.12	2.67	14.20	4.80	1.66	6.33
11.65	1.90	0.14	2.98	14.25	4.81	1.67	6.16
11.70	1.96	0.16	3.34	14.30	4.82	1.68	6.01
11.75	2.04	0.19	3.77	14.35	4.83	1.69	5.87
11.80	2.13	0.22	4.28	14.40	4.85	1.70	5.74
11.85	2.25	0.26	4.91	14.45	4.86	1.70	5.62
11.90	2.36	0.30	5.67	14.50	4.87	1.71	5.51
11.95	2.57	0.38	6.61	14.55	4.88	1.72	5.40
12.00	2.77	0.47	7.82	14.60	4.89	1.73	5.30
12.05	3.11	0.64	9.43	14.65	4.90	1.73	5.20
12.10	3.45	0.82	11.67	14.70	4.91	1.74	5.10
12.15	3.56	0.89	14.72	14.75	4.92	1.75	5.01
12.20	3.68	0.95	18.68	14.80	4.93	1.75	4.91
12.25	3.77	1.00	23.43	14.85	4.94	1.76	4.82
12.30	3.85	1.05	28.64	14.90	4.94	1.76	4.73
12.35	3.91	1.09	33.75	14.95	4.95	1.77	4.64
12.40	3.98	1.13	38.16	15.00	4.96	1.78	4.55
12.45	4.03	1.17	41.29	15.05	4.97	1.78	4.46
12.50	4.09	1.20	43.08	15.10	4.98	1.79	4.38
12.55	4.13	1.23	**43.44**	15.15	4.99	1.79	4.29
12.60	4.17	1.25	42.77	15.20	4.99	1.80	4.20
12.65	4.20	1.27	41.08	15.25	5.00	1.80	4.11
12.70	4.24	1.30	38.75	15.30	5.01	1.81	4.03
12.75	4.27	1.32	36.05	15.35	5.02	1.82	3.95
12.80	4.30	1.34	33.21	15.40	5.03	1.82	3.87
12.85	4.33	1.36	30.54	15.45	5.03	1.83	3.79
12.90	4.36	1.37	28.10	15.50	5.04	1.83	3.73
12.95	4.39	1.39	25.87	15.55	5.05	1.84	3.66

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.84	3.61	18.20	5.37	2.06	2.26
15.65	5.06	1.85	3.56	18.25	5.37	2.07	2.23
15.70	5.07	1.85	3.51	18.30	5.38	2.07	2.21
15.75	5.08	1.86	3.48	18.35	5.38	2.07	2.19
15.80	5.09	1.86	3.44	18.40	5.39	2.08	2.17
15.85	5.09	1.87	3.40	18.45	5.39	2.08	2.15
15.90	5.10	1.87	3.37	18.50	5.40	2.08	2.13
15.95	5.11	1.88	3.34	18.55	5.40	2.09	2.11
16.00	5.11	1.88	3.31	18.60	5.40	2.09	2.10
16.05	5.12	1.89	3.28	18.65	5.41	2.09	2.08
16.10	5.13	1.89	3.26	18.70	5.41	2.10	2.07
16.15	5.13	1.90	3.23	18.75	5.42	2.10	2.06
16.20	5.14	1.90	3.20	18.80	5.42	2.10	2.05
16.25	5.15	1.91	3.18	18.85	5.43	2.11	2.04
16.30	5.16	1.91	3.15	18.90	5.43	2.11	2.03
16.35	5.16	1.92	3.13	18.95	5.44	2.11	2.02
16.40	5.17	1.92	3.11	19.00	5.44	2.12	2.02
16.45	5.17	1.93	3.08	19.05	5.44	2.12	2.01
16.50	5.18	1.93	3.06	19.10	5.45	2.12	2.00
16.55	5.19	1.94	3.04	19.15	5.45	2.13	2.00
16.60	5.19	1.94	3.01	19.20	5.46	2.13	1.99
16.65	5.20	1.94	2.99	19.25	5.46	2.13	1.98
16.70	5.21	1.95	2.96	19.30	5.47	2.14	1.98
16.75	5.21	1.95	2.94	19.35	5.47	2.14	1.97
16.80	5.22	1.96	2.92	19.40	5.48	2.14	1.96
16.85	5.23	1.96	2.90	19.45	5.48	2.14	1.96
16.90	5.23	1.97	2.87	19.50	5.48	2.15	1.95
16.95	5.24	1.97	2.85	19.55	5.49	2.15	1.95
17.00	5.24	1.97	2.83	19.60	5.49	2.15	1.94
17.05	5.25	1.98	2.80	19.65	5.50	2.16	1.93
17.10	5.25	1.98	2.78	19.70	5.50	2.16	1.93
17.15	5.26	1.99	2.76	19.75	5.50	2.16	1.92
17.20	5.27	1.99	2.73	19.80	5.51	2.17	1.92
17.25	5.27	1.99	2.71	19.85	5.51	2.17	1.91
17.30	5.28	2.00	2.69	19.90	5.52	2.17	1.91
17.35	5.28	2.00	2.66	19.95	5.52	2.17	1.90
17.40	5.29	2.01	2.64	20.00	5.53	2.18	1.89
17.45	5.29	2.01	2.62	20.05	5.53	2.18	1.89
17.50	5.30	2.01	2.59	20.10	5.53	2.18	1.88
17.55	5.30	2.02	2.57	20.15	5.54	2.19	1.88
17.60	5.31	2.02	2.54	20.20	5.54	2.19	1.87
17.65	5.31	2.03	2.52	20.25	5.55	2.19	1.87
17.70	5.32	2.03	2.50	20.30	5.55	2.20	1.86
17.75	5.33	2.03	2.47	20.35	5.55	2.20	1.85
17.80	5.33	2.04	2.45	20.40	5.56	2.20	1.85
17.85	5.34	2.04	2.42	20.45	5.56	2.20	1.84
17.90	5.34	2.04	2.40	20.50	5.57	2.21	1.84
17.95	5.34	2.05	2.38	20.55	5.57	2.21	1.83
18.00	5.35	2.05	2.35	20.60	5.57	2.21	1.82
18.05	5.35	2.05	2.33	20.65	5.58	2.22	1.82
18.10	5.36	2.06	2.31	20.70	5.58	2.22	1.81
18.15	5.36	2.06	2.28	20.75	5.59	2.22	1.81

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.22	1.80	23.40	5.77	2.36	1.49
20.85	5.59	2.23	1.80	23.45	5.78	2.36	1.48
20.90	5.60	2.23	1.79	23.50	5.78	2.36	1.48
20.95	5.60	2.23	1.78	23.55	5.78	2.37	1.47
21.00	5.61	2.24	1.78	23.60	5.78	2.37	1.46
21.05	5.61	2.24	1.77	23.65	5.79	2.37	1.46
21.10	5.61	2.24	1.77	23.70	5.79	2.37	1.45
21.15	5.62	2.24	1.76	23.75	5.79	2.38	1.44
21.20	5.62	2.25	1.75	23.80	5.80	2.38	1.44
21.25	5.62	2.25	1.75	23.85	5.80	2.38	1.43
21.30	5.63	2.25	1.74	23.90	5.80	2.38	1.43
21.35	5.63	2.26	1.73	23.95	5.81	2.38	1.42
21.40	5.64	2.26	1.73	24.00	**5.81**	**2.39**	1.42
21.45	5.64	2.26	1.72	24.05	5.81	2.39	1.41
21.50	5.64	2.26	1.72	24.10	5.81	2.39	1.41
21.55	5.65	2.27	1.71	24.15	5.81	2.39	1.40
21.60	5.65	2.27	1.71	24.20	5.81	2.39	1.37
21.65	5.65	2.27	1.70	24.25	5.81	2.39	1.33
21.70	5.66	2.27	1.69	24.30	5.81	2.39	1.27
21.75	5.66	2.28	1.69	24.35	5.81	2.39	1.17
21.80	5.66	2.28	1.68	24.40	5.81	2.39	1.06
21.85	5.67	2.28	1.68	24.45	5.81	2.39	0.94
21.90	5.67	2.28	1.67	24.50	5.81	2.39	0.81
21.95	5.68	2.29	1.66	24.55	5.81	2.39	0.69
22.00	5.68	2.29	1.66	24.60	5.81	2.39	0.57
22.05	5.68	2.29	1.65	24.65	5.81	2.39	0.47
22.10	5.69	2.30	1.65	24.70	5.81	2.39	0.38
22.15	5.69	2.30	1.64	24.75	5.81	2.39	0.31
22.20	5.69	2.30	1.63	24.80	5.81	2.39	0.26
22.25	5.70	2.30	1.63	24.85	5.81	2.39	0.21
22.30	5.70	2.31	1.62	24.90	5.81	2.39	0.17
22.35	5.70	2.31	1.62	24.95	5.81	2.39	0.14
22.40	5.71	2.31	1.61	25.00	5.81	2.39	0.12
22.45	5.71	2.31	1.60	25.05	5.81	2.39	0.10
22.50	5.71	2.32	1.60	25.10	5.81	2.39	0.08
22.55	5.72	2.32	1.59	25.15	5.81	2.39	0.06
22.60	5.72	2.32	1.59	25.20	5.81	2.39	0.05
22.65	5.72	2.32	1.58	25.25	5.81	2.39	0.04
22.70	5.73	2.33	1.57	25.30	5.81	2.39	0.03
22.75	5.73	2.33	1.57	25.35	5.81	2.39	0.03
22.80	5.73	2.33	1.56	25.40	5.81	2.39	0.02
22.85	5.74	2.33	1.56	25.45	5.81	2.39	0.02
22.90	5.74	2.34	1.55	25.50	5.81	2.39	0.01
22.95	5.74	2.34	1.54	25.55	5.81	2.39	0.01
23.00	5.75	2.34	1.54	25.60	5.81	2.39	0.01
23.05	5.75	2.34	1.53	25.65	5.81	2.39	0.01
23.10	5.75	2.35	1.52	25.70	5.81	2.39	0.01
23.15	5.76	2.35	1.52	25.75	5.81	2.39	0.00
23.20	5.76	2.35	1.51	25.80	5.81	2.39	0.00
23.25	5.76	2.35	1.51	25.85	5.81	2.39	0.00
23.30	5.77	2.35	1.50	25.90	5.81	2.39	0.00
23.35	5.77	2.36	1.49	25.95	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.39	0.00	28.60	5.81	2.39	0.00
26.05	5.81	2.39	0.00	28.65	5.81	2.39	0.00
26.10	5.81	2.39	0.00	28.70	5.81	2.39	0.00
26.15	5.81	2.39	0.00	28.75	5.81	2.39	0.00
26.20	5.81	2.39	0.00	28.80	5.81	2.39	0.00
26.25	5.81	2.39	0.00	28.85	5.81	2.39	0.00
26.30	5.81	2.39	0.00	28.90	5.81	2.39	0.00
26.35	5.81	2.39	0.00	28.95	5.81	2.39	0.00
26.40	5.81	2.39	0.00	29.00	5.81	2.39	0.00
26.45	5.81	2.39	0.00	29.05	5.81	2.39	0.00
26.50	5.81	2.39	0.00	29.10	5.81	2.39	0.00
26.55	5.81	2.39	0.00	29.15	5.81	2.39	0.00
26.60	5.81	2.39	0.00	29.20	5.81	2.39	0.00
26.65	5.81	2.39	0.00	29.25	5.81	2.39	0.00
26.70	5.81	2.39	0.00	29.30	5.81	2.39	0.00
26.75	5.81	2.39	0.00	29.35	5.81	2.39	0.00
26.80	5.81	2.39	0.00	29.40	5.81	2.39	0.00
26.85	5.81	2.39	0.00	29.45	5.81	2.39	0.00
26.90	5.81	2.39	0.00	29.50	5.81	2.39	0.00
26.95	5.81	2.39	0.00	29.55	5.81	2.39	0.00
27.00	5.81	2.39	0.00	29.60	5.81	2.39	0.00
27.05	5.81	2.39	0.00	29.65	5.81	2.39	0.00
27.10	5.81	2.39	0.00	29.70	5.81	2.39	0.00
27.15	5.81	2.39	0.00	29.75	5.81	2.39	0.00
27.20	5.81	2.39	0.00	29.80	5.81	2.39	0.00
27.25	5.81	2.39	0.00	29.85	5.81	2.39	0.00
27.30	5.81	2.39	0.00	29.90	5.81	2.39	0.00
27.35	5.81	2.39	0.00	29.95	5.81	2.39	0.00
27.40	5.81	2.39	0.00	30.00	5.81	2.39	0.00
27.45	5.81	2.39	0.00	30.05	5.81	2.39	0.00
27.50	5.81	2.39	0.00	30.10	5.81	2.39	0.00
27.55	5.81	2.39	0.00	30.15	5.81	2.39	0.00
27.60	5.81	2.39	0.00	30.20	5.81	2.39	0.00
27.65	5.81	2.39	0.00	30.25	5.81	2.39	0.00
27.70	5.81	2.39	0.00	30.30	5.81	2.39	0.00
27.75	5.81	2.39	0.00	30.35	5.81	2.39	0.00
27.80	5.81	2.39	0.00	30.40	5.81	2.39	0.00
27.85	5.81	2.39	0.00	30.45	5.81	2.39	0.00
27.90	5.81	2.39	0.00	30.50	5.81	2.39	0.00
27.95	5.81	2.39	0.00	30.55	5.81	2.39	0.00
28.00	5.81	2.39	0.00	30.60	5.81	2.39	0.00
28.05	5.81	2.39	0.00	30.65	5.81	2.39	0.00
28.10	5.81	2.39	0.00	30.70	5.81	2.39	0.00
28.15	5.81	2.39	0.00	30.75	5.81	2.39	0.00
28.20	5.81	2.39	0.00	30.80	5.81	2.39	0.00
28.25	5.81	2.39	0.00	30.85	5.81	2.39	0.00
28.30	5.81	2.39	0.00	30.90	5.81	2.39	0.00
28.35	5.81	2.39	0.00	30.95	5.81	2.39	0.00
28.40	5.81	2.39	0.00	31.00	5.81	2.39	0.00
28.45	5.81	2.39	0.00	31.05	5.81	2.39	0.00
28.50	5.81	2.39	0.00	31.10	5.81	2.39	0.00
28.55	5.81	2.39	0.00	31.15	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.39	0.00	33.80	5.81	2.39	0.00
31.25	5.81	2.39	0.00	33.85	5.81	2.39	0.00
31.30	5.81	2.39	0.00	33.90	5.81	2.39	0.00
31.35	5.81	2.39	0.00	33.95	5.81	2.39	0.00
31.40	5.81	2.39	0.00	34.00	5.81	2.39	0.00
31.45	5.81	2.39	0.00	34.05	5.81	2.39	0.00
31.50	5.81	2.39	0.00	34.10	5.81	2.39	0.00
31.55	5.81	2.39	0.00	34.15	5.81	2.39	0.00
31.60	5.81	2.39	0.00	34.20	5.81	2.39	0.00
31.65	5.81	2.39	0.00	34.25	5.81	2.39	0.00
31.70	5.81	2.39	0.00	34.30	5.81	2.39	0.00
31.75	5.81	2.39	0.00	34.35	5.81	2.39	0.00
31.80	5.81	2.39	0.00	34.40	5.81	2.39	0.00
31.85	5.81	2.39	0.00	34.45	5.81	2.39	0.00
31.90	5.81	2.39	0.00	34.50	5.81	2.39	0.00
31.95	5.81	2.39	0.00	34.55	5.81	2.39	0.00
32.00	5.81	2.39	0.00	34.60	5.81	2.39	0.00
32.05	5.81	2.39	0.00	34.65	5.81	2.39	0.00
32.10	5.81	2.39	0.00	34.70	5.81	2.39	0.00
32.15	5.81	2.39	0.00	34.75	5.81	2.39	0.00
32.20	5.81	2.39	0.00	34.80	5.81	2.39	0.00
32.25	5.81	2.39	0.00	34.85	5.81	2.39	0.00
32.30	5.81	2.39	0.00	34.90	5.81	2.39	0.00
32.35	5.81	2.39	0.00	34.95	5.81	2.39	0.00
32.40	5.81	2.39	0.00	35.00	5.81	2.39	0.00
32.45	5.81	2.39	0.00	35.05	5.81	2.39	0.00
32.50	5.81	2.39	0.00	35.10	5.81	2.39	0.00
32.55	5.81	2.39	0.00	35.15	5.81	2.39	0.00
32.60	5.81	2.39	0.00	35.20	5.81	2.39	0.00
32.65	5.81	2.39	0.00	35.25	5.81	2.39	0.00
32.70	5.81	2.39	0.00	35.30	5.81	2.39	0.00
32.75	5.81	2.39	0.00	35.35	5.81	2.39	0.00
32.80	5.81	2.39	0.00	35.40	5.81	2.39	0.00
32.85	5.81	2.39	0.00	35.45	5.81	2.39	0.00
32.90	5.81	2.39	0.00	35.50	5.81	2.39	0.00
32.95	5.81	2.39	0.00	35.55	5.81	2.39	0.00
33.00	5.81	2.39	0.00	35.60	5.81	2.39	0.00
33.05	5.81	2.39	0.00	35.65	5.81	2.39	0.00
33.10	5.81	2.39	0.00	35.70	5.81	2.39	0.00
33.15	5.81	2.39	0.00	35.75	5.81	2.39	0.00
33.20	5.81	2.39	0.00	35.80	5.81	2.39	0.00
33.25	5.81	2.39	0.00	35.85	5.81	2.39	0.00
33.30	5.81	2.39	0.00	35.90	5.81	2.39	0.00
33.35	5.81	2.39	0.00	35.95	5.81	2.39	0.00
33.40	5.81	2.39	0.00	36.00	5.81	2.39	0.00
33.45	5.81	2.39	0.00	36.05	5.81	2.39	0.00
33.50	5.81	2.39	0.00	36.10	5.81	2.39	0.00
33.55	5.81	2.39	0.00	36.15	5.81	2.39	0.00
33.60	5.81	2.39	0.00	36.20	5.81	2.39	0.00
33.65	5.81	2.39	0.00	36.25	5.81	2.39	0.00
33.70	5.81	2.39	0.00	36.30	5.81	2.39	0.00
33.75	5.81	2.39	0.00	36.35	5.81	2.39	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.39	0.00
36.45	5.81	2.39	0.00
36.50	5.81	2.39	0.00
36.55	5.81	2.39	0.00
36.60	5.81	2.39	0.00
36.65	5.81	2.39	0.00
36.70	5.81	2.39	0.00
36.75	5.81	2.39	0.00
36.80	5.81	2.39	0.00
36.85	5.81	2.39	0.00
36.90	5.81	2.39	0.00
36.95	5.81	2.39	0.00
37.00	5.81	2.39	0.00
37.05	5.81	2.39	0.00
37.10	5.81	2.39	0.00
37.15	5.81	2.39	0.00
37.20	5.81	2.39	0.00
37.25	5.81	2.39	0.00
37.30	5.81	2.39	0.00
37.35	5.81	2.39	0.00
37.40	5.81	2.39	0.00
37.45	5.81	2.39	0.00
37.50	5.81	2.39	0.00
37.55	5.81	2.39	0.00
37.60	5.81	2.39	0.00
37.65	5.81	2.39	0.00
37.70	5.81	2.39	0.00
37.75	5.81	2.39	0.00
37.80	5.81	2.39	0.00
37.85	5.81	2.39	0.00
37.90	5.81	2.39	0.00
37.95	5.81	2.39	0.00
38.00	5.81	2.39	0.00
38.05	5.81	2.39	0.00
38.10	5.81	2.39	0.00
38.15	5.81	2.39	0.00
38.20	5.81	2.39	0.00
38.25	5.81	2.39	0.00
38.30	5.81	2.39	0.00
38.35	5.81	2.39	0.00
38.40	5.81	2.39	0.00
38.45	5.81	2.39	0.00
38.50	5.81	2.39	0.00
38.55	5.81	2.39	0.00
38.60	5.81	2.39	0.00
38.65	5.81	2.39	0.00
38.70	5.81	2.39	0.00
38.75	5.81	2.39	0.00
38.80	5.81	2.39	0.00
38.85	5.81	2.39	0.00
38.90	5.81	2.39	0.00
38.95	5.81	2.39	0.00
39.00	5.81	2.39	0.00
39.05	5.81	2.39	0.00
39.10	5.81	2.39	0.00
39.15	5.81	2.39	0.00
39.20	5.81	2.39	0.00
39.25	5.81	2.39	0.00
39.30	5.81	2.39	0.00
39.35	5.81	2.39	0.00
39.40	5.81	2.39	0.00
39.45	5.81	2.39	0.00
39.50	5.81	2.39	0.00
39.55	5.81	2.39	0.00
39.60	5.81	2.39	0.00
39.65	5.81	2.39	0.00
39.70	5.81	2.39	0.00
39.75	5.81	2.39	0.00
39.80	5.81	2.39	0.00
39.85	5.81	2.39	0.00
39.90	5.81	2.39	0.00
39.95	5.81	2.39	0.00
40.00	5.81	2.39	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

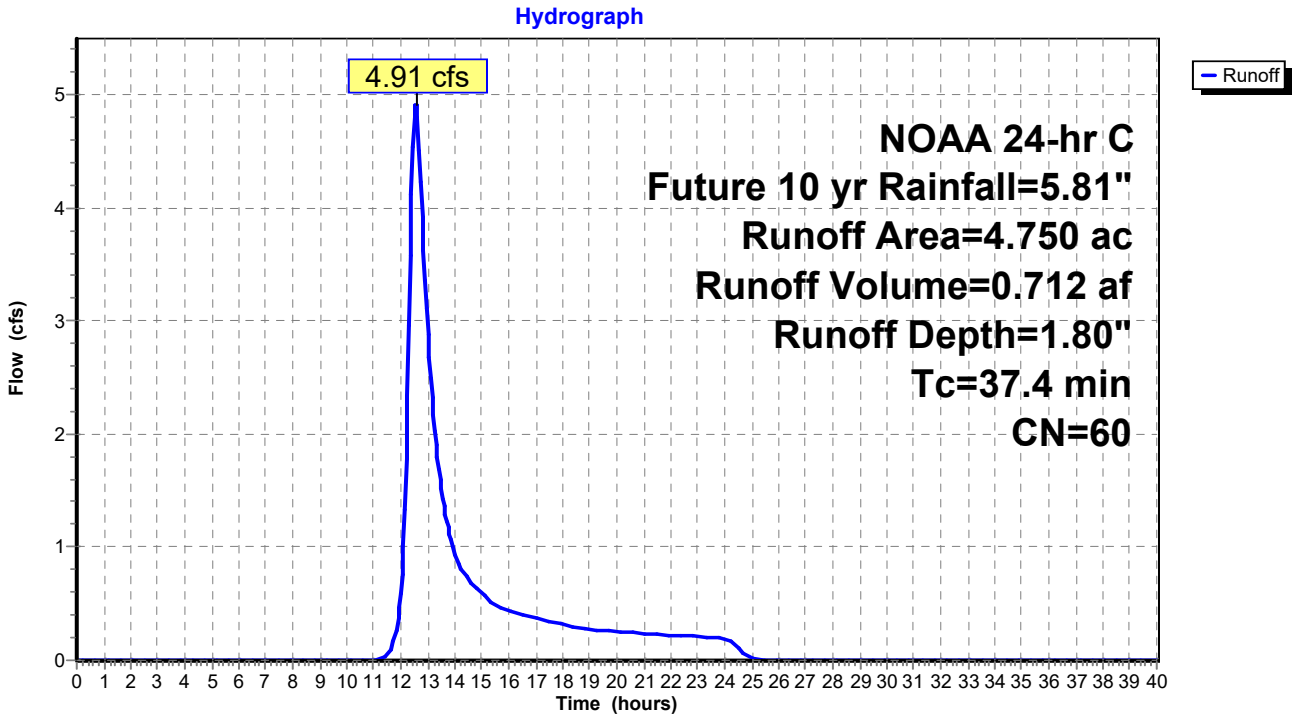
Runoff = 4.91 cfs @ 12.57 hrs, Volume= 0.712 af, Depth= 1.80"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.00	13.00	4.42	0.97	2.89
10.45	1.18	0.00	0.00	13.05	4.44	0.99	2.68
10.50	1.20	0.00	0.00	13.10	4.46	1.00	2.49
10.55	1.21	0.00	0.00	13.15	4.48	1.01	2.32
10.60	1.23	0.00	0.00	13.20	4.50	1.02	2.17
10.65	1.25	0.00	0.00	13.25	4.52	1.03	2.03
10.70	1.27	0.00	0.00	13.30	4.54	1.04	1.91
10.75	1.29	0.00	0.00	13.35	4.56	1.05	1.79
10.80	1.31	0.00	0.00	13.40	4.58	1.06	1.69
10.85	1.33	0.00	0.00	13.45	4.60	1.07	1.60
10.90	1.35	0.00	0.00	13.50	4.61	1.08	1.51
10.95	1.37	0.00	0.00	13.55	4.63	1.09	1.43
11.00	1.39	0.00	0.00	13.60	4.64	1.10	1.36
11.05	1.42	0.00	0.00	13.65	4.66	1.11	1.29
11.10	1.45	0.00	0.00	13.70	4.67	1.11	1.23
11.15	1.48	0.00	0.00	13.75	4.68	1.12	1.17
11.20	1.51	0.00	0.00	13.80	4.70	1.13	1.12
11.25	1.54	0.01	0.01	13.85	4.71	1.14	1.07
11.30	1.57	0.01	0.01	13.90	4.72	1.14	1.02
11.35	1.61	0.01	0.02	13.95	4.74	1.15	0.98
11.40	1.64	0.01	0.03	14.00	4.75	1.16	0.94
11.45	1.68	0.02	0.04	14.05	4.76	1.17	0.90
11.50	1.72	0.02	0.06	14.10	4.78	1.17	0.87
11.55	1.78	0.03	0.08	14.15	4.79	1.18	0.84
11.60	1.83	0.04	0.10	14.20	4.80	1.19	0.82
11.65	1.90	0.04	0.12	14.25	4.81	1.19	0.80
11.70	1.96	0.05	0.15	14.30	4.82	1.20	0.78
11.75	2.04	0.07	0.19	14.35	4.83	1.21	0.76
11.80	2.13	0.08	0.24	14.40	4.85	1.21	0.75
11.85	2.25	0.11	0.30	14.45	4.86	1.22	0.73
11.90	2.36	0.14	0.37	14.50	4.87	1.22	0.72
11.95	2.57	0.19	0.47	14.55	4.88	1.23	0.70
12.00	2.77	0.25	0.59	14.60	4.89	1.24	0.69
12.05	3.11	0.37	0.76	14.65	4.90	1.24	0.68
12.10	3.45	0.51	1.00	14.70	4.91	1.25	0.67
12.15	3.56	0.56	1.34	14.75	4.92	1.25	0.65
12.20	3.68	0.61	1.79	14.80	4.93	1.26	0.64
12.25	3.77	0.65	2.34	14.85	4.94	1.26	0.63
12.30	3.85	0.69	2.95	14.90	4.94	1.27	0.62
12.35	3.91	0.72	3.57	14.95	4.95	1.27	0.61
12.40	3.98	0.75	4.13	15.00	4.96	1.28	0.60
12.45	4.03	0.78	4.54	15.05	4.97	1.28	0.58
12.50	4.09	0.81	4.81	15.10	4.98	1.29	0.57
12.55	4.13	0.83	**4.91**	15.15	4.99	1.29	0.56
12.60	4.17	0.85	4.88	15.20	4.99	1.30	0.55
12.65	4.20	0.86	4.73	15.25	5.00	1.30	0.54
12.70	4.24	0.88	4.51	15.30	5.01	1.31	0.53
12.75	4.27	0.90	4.23	15.35	5.02	1.31	0.52
12.80	4.30	0.92	3.92	15.40	5.03	1.32	0.51
12.85	4.33	0.93	3.63	15.45	5.03	1.32	0.50
12.90	4.36	0.95	3.36	15.50	5.04	1.32	0.49
12.95	4.39	0.96	3.11	15.55	5.05	1.33	0.48

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.33	0.48	18.20	5.37	1.52	0.30
15.65	5.06	1.34	0.47	18.25	5.37	1.52	0.30
15.70	5.07	1.34	0.46	18.30	5.38	1.53	0.29
15.75	5.08	1.35	0.46	18.35	5.38	1.53	0.29
15.80	5.09	1.35	0.45	18.40	5.39	1.53	0.29
15.85	5.09	1.36	0.45	18.45	5.39	1.54	0.29
15.90	5.10	1.36	0.44	18.50	5.40	1.54	0.28
15.95	5.11	1.36	0.44	18.55	5.40	1.54	0.28
16.00	5.11	1.37	0.44	18.60	5.40	1.54	0.28
16.05	5.12	1.37	0.43	18.65	5.41	1.55	0.28
16.10	5.13	1.38	0.43	18.70	5.41	1.55	0.28
16.15	5.13	1.38	0.43	18.75	5.42	1.55	0.28
16.20	5.14	1.38	0.42	18.80	5.42	1.55	0.27
16.25	5.15	1.39	0.42	18.85	5.43	1.56	0.27
16.30	5.16	1.39	0.42	18.90	5.43	1.56	0.27
16.35	5.16	1.40	0.41	18.95	5.44	1.56	0.27
16.40	5.17	1.40	0.41	19.00	5.44	1.57	0.27
16.45	5.17	1.40	0.41	19.05	5.44	1.57	0.27
16.50	5.18	1.41	0.41	19.10	5.45	1.57	0.27
16.55	5.19	1.41	0.40	19.15	5.45	1.57	0.27
16.60	5.19	1.42	0.40	19.20	5.46	1.58	0.27
16.65	5.20	1.42	0.40	19.25	5.46	1.58	0.27
16.70	5.21	1.42	0.39	19.30	5.47	1.58	0.26
16.75	5.21	1.43	0.39	19.35	5.47	1.58	0.26
16.80	5.22	1.43	0.39	19.40	5.48	1.59	0.26
16.85	5.23	1.43	0.38	19.45	5.48	1.59	0.26
16.90	5.23	1.44	0.38	19.50	5.48	1.59	0.26
16.95	5.24	1.44	0.38	19.55	5.49	1.60	0.26
17.00	5.24	1.45	0.38	19.60	5.49	1.60	0.26
17.05	5.25	1.45	0.37	19.65	5.50	1.60	0.26
17.10	5.25	1.45	0.37	19.70	5.50	1.60	0.26
17.15	5.26	1.46	0.37	19.75	5.50	1.61	0.26
17.20	5.27	1.46	0.36	19.80	5.51	1.61	0.26
17.25	5.27	1.46	0.36	19.85	5.51	1.61	0.26
17.30	5.28	1.47	0.36	19.90	5.52	1.61	0.26
17.35	5.28	1.47	0.35	19.95	5.52	1.62	0.25
17.40	5.29	1.47	0.35	20.00	5.53	1.62	0.25
17.45	5.29	1.48	0.35	20.05	5.53	1.62	0.25
17.50	5.30	1.48	0.34	20.10	5.53	1.62	0.25
17.55	5.30	1.48	0.34	20.15	5.54	1.63	0.25
17.60	5.31	1.49	0.34	20.20	5.54	1.63	0.25
17.65	5.31	1.49	0.34	20.25	5.55	1.63	0.25
17.70	5.32	1.49	0.33	20.30	5.55	1.63	0.25
17.75	5.33	1.50	0.33	20.35	5.55	1.64	0.25
17.80	5.33	1.50	0.33	20.40	5.56	1.64	0.25
17.85	5.34	1.50	0.32	20.45	5.56	1.64	0.25
17.90	5.34	1.50	0.32	20.50	5.57	1.64	0.25
17.95	5.34	1.51	0.32	20.55	5.57	1.65	0.25
18.00	5.35	1.51	0.31	20.60	5.57	1.65	0.25
18.05	5.35	1.51	0.31	20.65	5.58	1.65	0.24
18.10	5.36	1.52	0.31	20.70	5.58	1.65	0.24
18.15	5.36	1.52	0.30	20.75	5.59	1.66	0.24

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	1.66	0.24	23.40	5.77	1.77	0.20
20.85	5.59	1.66	0.24	23.45	5.78	1.78	0.20
20.90	5.60	1.66	0.24	23.50	5.78	1.78	0.20
20.95	5.60	1.67	0.24	23.55	5.78	1.78	0.20
21.00	5.61	1.67	0.24	23.60	5.78	1.78	0.20
21.05	5.61	1.67	0.24	23.65	5.79	1.78	0.20
21.10	5.61	1.67	0.24	23.70	5.79	1.79	0.20
21.15	5.62	1.68	0.24	23.75	5.79	1.79	0.20
21.20	5.62	1.68	0.24	23.80	5.80	1.79	0.19
21.25	5.62	1.68	0.24	23.85	5.80	1.79	0.19
21.30	5.63	1.68	0.23	23.90	5.80	1.79	0.19
21.35	5.63	1.68	0.23	23.95	5.81	1.80	0.19
21.40	5.64	1.69	0.23	24.00	**5.81**	**1.80**	0.19
21.45	5.64	1.69	0.23	24.05	5.81	1.80	0.19
21.50	5.64	1.69	0.23	24.10	5.81	1.80	0.19
21.55	5.65	1.69	0.23	24.15	5.81	1.80	0.19
21.60	5.65	1.70	0.23	24.20	5.81	1.80	0.19
21.65	5.65	1.70	0.23	24.25	5.81	1.80	0.18
21.70	5.66	1.70	0.23	24.30	5.81	1.80	0.17
21.75	5.66	1.70	0.23	24.35	5.81	1.80	0.16
21.80	5.66	1.71	0.23	24.40	5.81	1.80	0.14
21.85	5.67	1.71	0.23	24.45	5.81	1.80	0.13
21.90	5.67	1.71	0.23	24.50	5.81	1.80	0.11
21.95	5.68	1.71	0.22	24.55	5.81	1.80	0.09
22.00	5.68	1.71	0.22	24.60	5.81	1.80	0.08
22.05	5.68	1.72	0.22	24.65	5.81	1.80	0.06
22.10	5.69	1.72	0.22	24.70	5.81	1.80	0.05
22.15	5.69	1.72	0.22	24.75	5.81	1.80	0.04
22.20	5.69	1.72	0.22	24.80	5.81	1.80	0.03
22.25	5.70	1.73	0.22	24.85	5.81	1.80	0.03
22.30	5.70	1.73	0.22	24.90	5.81	1.80	0.02
22.35	5.70	1.73	0.22	24.95	5.81	1.80	0.02
22.40	5.71	1.73	0.22	25.00	5.81	1.80	0.02
22.45	5.71	1.73	0.22	25.05	5.81	1.80	0.01
22.50	5.71	1.74	0.22	25.10	5.81	1.80	0.01
22.55	5.72	1.74	0.22	25.15	5.81	1.80	0.01
22.60	5.72	1.74	0.21	25.20	5.81	1.80	0.01
22.65	5.72	1.74	0.21	25.25	5.81	1.80	0.01
22.70	5.73	1.75	0.21	25.30	5.81	1.80	0.00
22.75	5.73	1.75	0.21	25.35	5.81	1.80	0.00
22.80	5.73	1.75	0.21	25.40	5.81	1.80	0.00
22.85	5.74	1.75	0.21	25.45	5.81	1.80	0.00
22.90	5.74	1.75	0.21	25.50	5.81	1.80	0.00
22.95	5.74	1.76	0.21	25.55	5.81	1.80	0.00
23.00	5.75	1.76	0.21	25.60	5.81	1.80	0.00
23.05	5.75	1.76	0.21	25.65	5.81	1.80	0.00
23.10	5.75	1.76	0.21	25.70	5.81	1.80	0.00
23.15	5.76	1.76	0.21	25.75	5.81	1.80	0.00
23.20	5.76	1.77	0.20	25.80	5.81	1.80	0.00
23.25	5.76	1.77	0.20	25.85	5.81	1.80	0.00
23.30	5.77	1.77	0.20	25.90	5.81	1.80	0.00
23.35	5.77	1.77	0.20	25.95	5.81	1.80	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	1.80	0.00	28.60	5.81	1.80	0.00
26.05	5.81	1.80	0.00	28.65	5.81	1.80	0.00
26.10	5.81	1.80	0.00	28.70	5.81	1.80	0.00
26.15	5.81	1.80	0.00	28.75	5.81	1.80	0.00
26.20	5.81	1.80	0.00	28.80	5.81	1.80	0.00
26.25	5.81	1.80	0.00	28.85	5.81	1.80	0.00
26.30	5.81	1.80	0.00	28.90	5.81	1.80	0.00
26.35	5.81	1.80	0.00	28.95	5.81	1.80	0.00
26.40	5.81	1.80	0.00	29.00	5.81	1.80	0.00
26.45	5.81	1.80	0.00	29.05	5.81	1.80	0.00
26.50	5.81	1.80	0.00	29.10	5.81	1.80	0.00
26.55	5.81	1.80	0.00	29.15	5.81	1.80	0.00
26.60	5.81	1.80	0.00	29.20	5.81	1.80	0.00
26.65	5.81	1.80	0.00	29.25	5.81	1.80	0.00
26.70	5.81	1.80	0.00	29.30	5.81	1.80	0.00
26.75	5.81	1.80	0.00	29.35	5.81	1.80	0.00
26.80	5.81	1.80	0.00	29.40	5.81	1.80	0.00
26.85	5.81	1.80	0.00	29.45	5.81	1.80	0.00
26.90	5.81	1.80	0.00	29.50	5.81	1.80	0.00
26.95	5.81	1.80	0.00	29.55	5.81	1.80	0.00
27.00	5.81	1.80	0.00	29.60	5.81	1.80	0.00
27.05	5.81	1.80	0.00	29.65	5.81	1.80	0.00
27.10	5.81	1.80	0.00	29.70	5.81	1.80	0.00
27.15	5.81	1.80	0.00	29.75	5.81	1.80	0.00
27.20	5.81	1.80	0.00	29.80	5.81	1.80	0.00
27.25	5.81	1.80	0.00	29.85	5.81	1.80	0.00
27.30	5.81	1.80	0.00	29.90	5.81	1.80	0.00
27.35	5.81	1.80	0.00	29.95	5.81	1.80	0.00
27.40	5.81	1.80	0.00	30.00	5.81	1.80	0.00
27.45	5.81	1.80	0.00	30.05	5.81	1.80	0.00
27.50	5.81	1.80	0.00	30.10	5.81	1.80	0.00
27.55	5.81	1.80	0.00	30.15	5.81	1.80	0.00
27.60	5.81	1.80	0.00	30.20	5.81	1.80	0.00
27.65	5.81	1.80	0.00	30.25	5.81	1.80	0.00
27.70	5.81	1.80	0.00	30.30	5.81	1.80	0.00
27.75	5.81	1.80	0.00	30.35	5.81	1.80	0.00
27.80	5.81	1.80	0.00	30.40	5.81	1.80	0.00
27.85	5.81	1.80	0.00	30.45	5.81	1.80	0.00
27.90	5.81	1.80	0.00	30.50	5.81	1.80	0.00
27.95	5.81	1.80	0.00	30.55	5.81	1.80	0.00
28.00	5.81	1.80	0.00	30.60	5.81	1.80	0.00
28.05	5.81	1.80	0.00	30.65	5.81	1.80	0.00
28.10	5.81	1.80	0.00	30.70	5.81	1.80	0.00
28.15	5.81	1.80	0.00	30.75	5.81	1.80	0.00
28.20	5.81	1.80	0.00	30.80	5.81	1.80	0.00
28.25	5.81	1.80	0.00	30.85	5.81	1.80	0.00
28.30	5.81	1.80	0.00	30.90	5.81	1.80	0.00
28.35	5.81	1.80	0.00	30.95	5.81	1.80	0.00
28.40	5.81	1.80	0.00	31.00	5.81	1.80	0.00
28.45	5.81	1.80	0.00	31.05	5.81	1.80	0.00
28.50	5.81	1.80	0.00	31.10	5.81	1.80	0.00
28.55	5.81	1.80	0.00	31.15	5.81	1.80	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	1.80	0.00	33.80	5.81	1.80	0.00
31.25	5.81	1.80	0.00	33.85	5.81	1.80	0.00
31.30	5.81	1.80	0.00	33.90	5.81	1.80	0.00
31.35	5.81	1.80	0.00	33.95	5.81	1.80	0.00
31.40	5.81	1.80	0.00	34.00	5.81	1.80	0.00
31.45	5.81	1.80	0.00	34.05	5.81	1.80	0.00
31.50	5.81	1.80	0.00	34.10	5.81	1.80	0.00
31.55	5.81	1.80	0.00	34.15	5.81	1.80	0.00
31.60	5.81	1.80	0.00	34.20	5.81	1.80	0.00
31.65	5.81	1.80	0.00	34.25	5.81	1.80	0.00
31.70	5.81	1.80	0.00	34.30	5.81	1.80	0.00
31.75	5.81	1.80	0.00	34.35	5.81	1.80	0.00
31.80	5.81	1.80	0.00	34.40	5.81	1.80	0.00
31.85	5.81	1.80	0.00	34.45	5.81	1.80	0.00
31.90	5.81	1.80	0.00	34.50	5.81	1.80	0.00
31.95	5.81	1.80	0.00	34.55	5.81	1.80	0.00
32.00	5.81	1.80	0.00	34.60	5.81	1.80	0.00
32.05	5.81	1.80	0.00	34.65	5.81	1.80	0.00
32.10	5.81	1.80	0.00	34.70	5.81	1.80	0.00
32.15	5.81	1.80	0.00	34.75	5.81	1.80	0.00
32.20	5.81	1.80	0.00	34.80	5.81	1.80	0.00
32.25	5.81	1.80	0.00	34.85	5.81	1.80	0.00
32.30	5.81	1.80	0.00	34.90	5.81	1.80	0.00
32.35	5.81	1.80	0.00	34.95	5.81	1.80	0.00
32.40	5.81	1.80	0.00	35.00	5.81	1.80	0.00
32.45	5.81	1.80	0.00	35.05	5.81	1.80	0.00
32.50	5.81	1.80	0.00	35.10	5.81	1.80	0.00
32.55	5.81	1.80	0.00	35.15	5.81	1.80	0.00
32.60	5.81	1.80	0.00	35.20	5.81	1.80	0.00
32.65	5.81	1.80	0.00	35.25	5.81	1.80	0.00
32.70	5.81	1.80	0.00	35.30	5.81	1.80	0.00
32.75	5.81	1.80	0.00	35.35	5.81	1.80	0.00
32.80	5.81	1.80	0.00	35.40	5.81	1.80	0.00
32.85	5.81	1.80	0.00	35.45	5.81	1.80	0.00
32.90	5.81	1.80	0.00	35.50	5.81	1.80	0.00
32.95	5.81	1.80	0.00	35.55	5.81	1.80	0.00
33.00	5.81	1.80	0.00	35.60	5.81	1.80	0.00
33.05	5.81	1.80	0.00	35.65	5.81	1.80	0.00
33.10	5.81	1.80	0.00	35.70	5.81	1.80	0.00
33.15	5.81	1.80	0.00	35.75	5.81	1.80	0.00
33.20	5.81	1.80	0.00	35.80	5.81	1.80	0.00
33.25	5.81	1.80	0.00	35.85	5.81	1.80	0.00
33.30	5.81	1.80	0.00	35.90	5.81	1.80	0.00
33.35	5.81	1.80	0.00	35.95	5.81	1.80	0.00
33.40	5.81	1.80	0.00	36.00	5.81	1.80	0.00
33.45	5.81	1.80	0.00	36.05	5.81	1.80	0.00
33.50	5.81	1.80	0.00	36.10	5.81	1.80	0.00
33.55	5.81	1.80	0.00	36.15	5.81	1.80	0.00
33.60	5.81	1.80	0.00	36.20	5.81	1.80	0.00
33.65	5.81	1.80	0.00	36.25	5.81	1.80	0.00
33.70	5.81	1.80	0.00	36.30	5.81	1.80	0.00
33.75	5.81	1.80	0.00	36.35	5.81	1.80	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	1.80	0.00
36.45	5.81	1.80	0.00
36.50	5.81	1.80	0.00
36.55	5.81	1.80	0.00
36.60	5.81	1.80	0.00
36.65	5.81	1.80	0.00
36.70	5.81	1.80	0.00
36.75	5.81	1.80	0.00
36.80	5.81	1.80	0.00
36.85	5.81	1.80	0.00
36.90	5.81	1.80	0.00
36.95	5.81	1.80	0.00
37.00	5.81	1.80	0.00
37.05	5.81	1.80	0.00
37.10	5.81	1.80	0.00
37.15	5.81	1.80	0.00
37.20	5.81	1.80	0.00
37.25	5.81	1.80	0.00
37.30	5.81	1.80	0.00
37.35	5.81	1.80	0.00
37.40	5.81	1.80	0.00
37.45	5.81	1.80	0.00
37.50	5.81	1.80	0.00
37.55	5.81	1.80	0.00
37.60	5.81	1.80	0.00
37.65	5.81	1.80	0.00
37.70	5.81	1.80	0.00
37.75	5.81	1.80	0.00
37.80	5.81	1.80	0.00
37.85	5.81	1.80	0.00
37.90	5.81	1.80	0.00
37.95	5.81	1.80	0.00
38.00	5.81	1.80	0.00
38.05	5.81	1.80	0.00
38.10	5.81	1.80	0.00
38.15	5.81	1.80	0.00
38.20	5.81	1.80	0.00
38.25	5.81	1.80	0.00
38.30	5.81	1.80	0.00
38.35	5.81	1.80	0.00
38.40	5.81	1.80	0.00
38.45	5.81	1.80	0.00
38.50	5.81	1.80	0.00
38.55	5.81	1.80	0.00
38.60	5.81	1.80	0.00
38.65	5.81	1.80	0.00
38.70	5.81	1.80	0.00
38.75	5.81	1.80	0.00
38.80	5.81	1.80	0.00
38.85	5.81	1.80	0.00
38.90	5.81	1.80	0.00
38.95	5.81	1.80	0.00
39.00	5.81	1.80	0.00
39.05	5.81	1.80	0.00
39.10	5.81	1.80	0.00
39.15	5.81	1.80	0.00
39.20	5.81	1.80	0.00
39.25	5.81	1.80	0.00
39.30	5.81	1.80	0.00
39.35	5.81	1.80	0.00
39.40	5.81	1.80	0.00
39.45	5.81	1.80	0.00
39.50	5.81	1.80	0.00
39.55	5.81	1.80	0.00
39.60	5.81	1.80	0.00
39.65	5.81	1.80	0.00
39.70	5.81	1.80	0.00
39.75	5.81	1.80	0.00
39.80	5.81	1.80	0.00
39.85	5.81	1.80	0.00
39.90	5.81	1.80	0.00
39.95	5.81	1.80	0.00
40.00	5.81	1.80	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

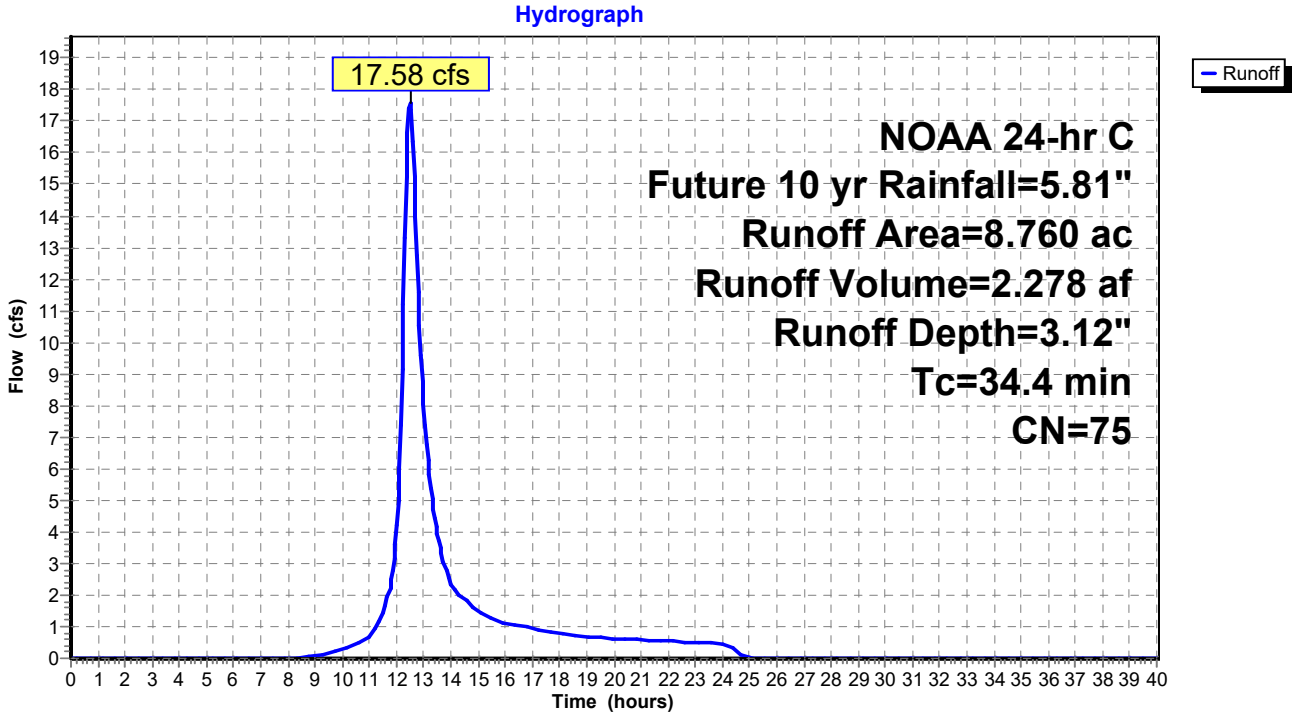
Runoff = 17.58 cfs @ 12.49 hrs, Volume= 2.278 af, Depth= 3.12"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.01
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.01
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.01
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.02
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.02
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.02
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.03
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.03
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.04
6.10	0.47	0.00	0.00	8.70	0.80	0.01	0.04
6.15	0.47	0.00	0.00	8.75	0.81	0.01	0.05
6.20	0.48	0.00	0.00	8.80	0.82	0.01	0.05
6.25	0.48	0.00	0.00	8.85	0.82	0.01	0.06
6.30	0.49	0.00	0.00	8.90	0.83	0.01	0.07
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.07
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.08
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.08
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.09
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.10
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.10
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.11
6.70	0.53	0.00	0.00	9.30	0.90	0.02	0.12
6.75	0.54	0.00	0.00	9.35	0.91	0.02	0.12
6.80	0.54	0.00	0.00	9.40	0.92	0.02	0.13
6.85	0.55	0.00	0.00	9.45	0.93	0.02	0.14
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.15
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.16
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.17
7.05	0.57	0.00	0.00	9.65	0.98	0.03	0.18
7.10	0.58	0.00	0.00	9.70	0.99	0.03	0.19
7.15	0.58	0.00	0.00	9.75	1.00	0.03	0.20
7.20	0.59	0.00	0.00	9.80	1.01	0.03	0.22
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.23
7.30	0.60	0.00	0.00	9.90	1.03	0.04	0.24
7.35	0.61	0.00	0.00	9.95	1.05	0.04	0.26
7.40	0.62	0.00	0.00	10.00	1.06	0.04	0.27
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.29
7.50	0.63	0.00	0.00	10.10	1.09	0.05	0.30
7.55	0.64	0.00	0.00	10.15	1.10	0.05	0.32
7.60	0.64	0.00	0.00	10.20	1.11	0.05	0.33
7.65	0.65	0.00	0.00	10.25	1.13	0.06	0.35
7.70	0.65	0.00	0.00	10.30	1.14	0.06	0.37
7.75	0.66	0.00	0.00	10.35	1.15	0.06	0.39

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.07	0.40	13.00	4.42	1.98	8.02
10.45	1.18	0.07	0.42	13.05	4.44	2.00	7.35
10.50	1.20	0.07	0.44	13.10	4.46	2.02	6.77
10.55	1.21	0.08	0.46	13.15	4.48	2.04	6.25
10.60	1.23	0.08	0.48	13.20	4.50	2.05	5.80
10.65	1.25	0.09	0.51	13.25	4.52	2.07	5.39
10.70	1.27	0.09	0.53	13.30	4.54	2.08	5.03
10.75	1.29	0.10	0.55	13.35	4.56	2.10	4.71
10.80	1.31	0.10	0.58	13.40	4.58	2.11	4.42
10.85	1.33	0.11	0.61	13.45	4.60	2.13	4.15
10.90	1.35	0.12	0.65	13.50	4.61	2.14	3.91
10.95	1.37	0.12	0.69	13.55	4.63	2.15	3.70
11.00	1.39	0.13	0.73	13.60	4.64	2.16	3.50
11.05	1.42	0.14	0.78	13.65	4.66	2.17	3.32
11.10	1.45	0.15	0.83	13.70	4.67	2.18	3.15
11.15	1.48	0.16	0.89	13.75	4.68	2.20	2.99
11.20	1.51	0.17	0.95	13.80	4.70	2.21	2.85
11.25	1.54	0.18	1.02	13.85	4.71	2.22	2.71
11.30	1.57	0.19	1.09	13.90	4.72	2.23	2.59
11.35	1.61	0.21	1.17	13.95	4.74	2.24	2.47
11.40	1.64	0.22	1.26	14.00	4.75	2.25	2.37
11.45	1.68	0.24	1.36	14.05	4.76	2.26	2.29
11.50	1.72	0.25	1.47	14.10	4.78	2.27	2.22
11.55	1.78	0.28	1.58	14.15	4.79	2.28	2.15
11.60	1.83	0.30	1.71	14.20	4.80	2.29	2.09
11.65	1.90	0.33	1.86	14.25	4.81	2.30	2.04
11.70	1.96	0.36	2.04	14.30	4.82	2.31	2.00
11.75	2.04	0.40	2.24	14.35	4.83	2.32	1.95
11.80	2.13	0.45	2.50	14.40	4.85	2.32	1.91
11.85	2.25	0.51	2.80	14.45	4.86	2.33	1.87
11.90	2.36	0.57	3.17	14.50	4.87	2.34	1.84
11.95	2.57	0.69	3.62	14.55	4.88	2.35	1.80
12.00	2.77	0.81	4.20	14.60	4.89	2.36	1.77
12.05	3.11	1.03	4.97	14.65	4.90	2.37	1.74
12.10	3.45	1.26	5.99	14.70	4.91	2.37	1.70
12.15	3.56	1.35	7.40	14.75	4.92	2.38	1.67
12.20	3.68	1.43	9.14	14.80	4.93	2.39	1.64
12.25	3.77	1.49	11.18	14.85	4.94	2.40	1.61
12.30	3.85	1.56	13.33	14.90	4.94	2.40	1.58
12.35	3.91	1.60	15.25	14.95	4.95	2.41	1.55
12.40	3.98	1.65	16.66	15.00	4.96	2.42	1.52
12.45	4.03	1.69	17.40	15.05	4.97	2.42	1.49
12.50	4.09	1.74	**17.56**	15.10	4.98	2.43	1.46
12.55	4.13	1.77	17.15	15.15	4.99	2.44	1.43
12.60	4.17	1.79	16.35	15.20	4.99	2.44	1.40
12.65	4.20	1.82	15.25	15.25	5.00	2.45	1.37
12.70	4.24	1.85	13.98	15.30	5.01	2.46	1.34
12.75	4.27	1.87	12.74	15.35	5.02	2.46	1.31
12.80	4.30	1.90	11.59	15.40	5.03	2.47	1.28
12.85	4.33	1.92	10.55	15.45	5.03	2.48	1.26
12.90	4.36	1.94	9.62	15.50	5.04	2.48	1.24
12.95	4.39	1.96	8.77	15.55	5.05	2.49	1.22

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.49	1.20	18.20	5.37	2.75	0.75
15.65	5.06	2.50	1.19	18.25	5.37	2.75	0.74
15.70	5.07	2.51	1.17	18.30	5.38	2.76	0.73
15.75	5.08	2.51	1.16	18.35	5.38	2.76	0.72
15.80	5.09	2.52	1.15	18.40	5.39	2.77	0.72
15.85	5.09	2.52	1.14	18.45	5.39	2.77	0.71
15.90	5.10	2.53	1.13	18.50	5.40	2.77	0.70
15.95	5.11	2.54	1.12	18.55	5.40	2.78	0.70
16.00	5.11	2.54	1.11	18.60	5.40	2.78	0.69
16.05	5.12	2.55	1.10	18.65	5.41	2.79	0.69
16.10	5.13	2.55	1.09	18.70	5.41	2.79	0.69
16.15	5.13	2.56	1.08	18.75	5.42	2.79	0.68
16.20	5.14	2.56	1.07	18.80	5.42	2.80	0.68
16.25	5.15	2.57	1.06	18.85	5.43	2.80	0.68
16.30	5.16	2.58	1.05	18.90	5.43	2.80	0.67
16.35	5.16	2.58	1.05	18.95	5.44	2.81	0.67
16.40	5.17	2.59	1.04	19.00	5.44	2.81	0.67
16.45	5.17	2.59	1.03	19.05	5.44	2.81	0.67
16.50	5.18	2.60	1.02	19.10	5.45	2.82	0.66
16.55	5.19	2.60	1.01	19.15	5.45	2.82	0.66
16.60	5.19	2.61	1.01	19.20	5.46	2.83	0.66
16.65	5.20	2.61	1.00	19.25	5.46	2.83	0.66
16.70	5.21	2.62	0.99	19.30	5.47	2.83	0.66
16.75	5.21	2.62	0.98	19.35	5.47	2.84	0.65
16.80	5.22	2.63	0.97	19.40	5.48	2.84	0.65
16.85	5.23	2.63	0.97	19.45	5.48	2.84	0.65
16.90	5.23	2.64	0.96	19.50	5.48	2.85	0.65
16.95	5.24	2.64	0.95	19.55	5.49	2.85	0.65
17.00	5.24	2.65	0.94	19.60	5.49	2.85	0.64
17.05	5.25	2.65	0.93	19.65	5.50	2.86	0.64
17.10	5.25	2.66	0.93	19.70	5.50	2.86	0.64
17.15	5.26	2.66	0.92	19.75	5.50	2.86	0.64
17.20	5.27	2.67	0.91	19.80	5.51	2.87	0.64
17.25	5.27	2.67	0.90	19.85	5.51	2.87	0.63
17.30	5.28	2.68	0.89	19.90	5.52	2.88	0.63
17.35	5.28	2.68	0.89	19.95	5.52	2.88	0.63
17.40	5.29	2.69	0.88	20.00	5.53	2.88	0.63
17.45	5.29	2.69	0.87	20.05	5.53	2.89	0.63
17.50	5.30	2.69	0.86	20.10	5.53	2.89	0.62
17.55	5.30	2.70	0.85	20.15	5.54	2.89	0.62
17.60	5.31	2.70	0.84	20.20	5.54	2.90	0.62
17.65	5.31	2.71	0.84	20.25	5.55	2.90	0.62
17.70	5.32	2.71	0.83	20.30	5.55	2.90	0.62
17.75	5.33	2.72	0.82	20.35	5.55	2.91	0.61
17.80	5.33	2.72	0.81	20.40	5.56	2.91	0.61
17.85	5.34	2.72	0.80	20.45	5.56	2.91	0.61
17.90	5.34	2.73	0.80	20.50	5.57	2.92	0.61
17.95	5.34	2.73	0.79	20.55	5.57	2.92	0.61
18.00	5.35	2.74	0.78	20.60	5.57	2.92	0.60
18.05	5.35	2.74	0.77	20.65	5.58	2.93	0.60
18.10	5.36	2.74	0.76	20.70	5.58	2.93	0.60
18.15	5.36	2.75	0.76	20.75	5.59	2.93	0.60

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.94	0.60	23.40	5.77	3.09	0.49
20.85	5.59	2.94	0.59	23.45	5.78	3.09	0.49
20.90	5.60	2.94	0.59	23.50	5.78	3.09	0.48
20.95	5.60	2.95	0.59	23.55	5.78	3.10	0.48
21.00	5.61	2.95	0.59	23.60	5.78	3.10	0.48
21.05	5.61	2.95	0.59	23.65	5.79	3.10	0.48
21.10	5.61	2.95	0.58	23.70	5.79	3.10	0.48
21.15	5.62	2.96	0.58	23.75	5.79	3.11	0.47
21.20	5.62	2.96	0.58	23.80	5.80	3.11	0.47
21.25	5.62	2.96	0.58	23.85	5.80	3.11	0.47
21.30	5.63	2.97	0.58	23.90	5.80	3.11	0.47
21.35	5.63	2.97	0.57	23.95	5.81	3.12	0.47
21.40	5.64	2.97	0.57	24.00	**5.81**	**3.12**	0.46
21.45	5.64	2.98	0.57	24.05	5.81	3.12	0.46
21.50	5.64	2.98	0.57	24.10	5.81	3.12	0.46
21.55	5.65	2.98	0.57	24.15	5.81	3.12	0.46
21.60	5.65	2.99	0.56	24.20	5.81	3.12	0.45
21.65	5.65	2.99	0.56	24.25	5.81	3.12	0.43
21.70	5.66	2.99	0.56	24.30	5.81	3.12	0.40
21.75	5.66	3.00	0.56	24.35	5.81	3.12	0.37
21.80	5.66	3.00	0.55	24.40	5.81	3.12	0.32
21.85	5.67	3.00	0.55	24.45	5.81	3.12	0.28
21.90	5.67	3.00	0.55	24.50	5.81	3.12	0.23
21.95	5.68	3.01	0.55	24.55	5.81	3.12	0.19
22.00	5.68	3.01	0.55	24.60	5.81	3.12	0.15
22.05	5.68	3.01	0.55	24.65	5.81	3.12	0.12
22.10	5.69	3.02	0.54	24.70	5.81	3.12	0.10
22.15	5.69	3.02	0.54	24.75	5.81	3.12	0.08
22.20	5.69	3.02	0.54	24.80	5.81	3.12	0.06
22.25	5.70	3.02	0.54	24.85	5.81	3.12	0.05
22.30	5.70	3.03	0.53	24.90	5.81	3.12	0.04
22.35	5.70	3.03	0.53	24.95	5.81	3.12	0.03
22.40	5.71	3.03	0.53	25.00	5.81	3.12	0.03
22.45	5.71	3.04	0.53	25.05	5.81	3.12	0.02
22.50	5.71	3.04	0.53	25.10	5.81	3.12	0.02
22.55	5.72	3.04	0.52	25.15	5.81	3.12	0.01
22.60	5.72	3.04	0.52	25.20	5.81	3.12	0.01
22.65	5.72	3.05	0.52	25.25	5.81	3.12	0.01
22.70	5.73	3.05	0.52	25.30	5.81	3.12	0.01
22.75	5.73	3.05	0.52	25.35	5.81	3.12	0.01
22.80	5.73	3.06	0.51	25.40	5.81	3.12	0.00
22.85	5.74	3.06	0.51	25.45	5.81	3.12	0.00
22.90	5.74	3.06	0.51	25.50	5.81	3.12	0.00
22.95	5.74	3.06	0.51	25.55	5.81	3.12	0.00
23.00	5.75	3.07	0.51	25.60	5.81	3.12	0.00
23.05	5.75	3.07	0.50	25.65	5.81	3.12	0.00
23.10	5.75	3.07	0.50	25.70	5.81	3.12	0.00
23.15	5.76	3.08	0.50	25.75	5.81	3.12	0.00
23.20	5.76	3.08	0.50	25.80	5.81	3.12	0.00
23.25	5.76	3.08	0.50	25.85	5.81	3.12	0.00
23.30	5.77	3.08	0.49	25.90	5.81	3.12	0.00
23.35	5.77	3.09	0.49	25.95	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.12	0.00	28.60	5.81	3.12	0.00
26.05	5.81	3.12	0.00	28.65	5.81	3.12	0.00
26.10	5.81	3.12	0.00	28.70	5.81	3.12	0.00
26.15	5.81	3.12	0.00	28.75	5.81	3.12	0.00
26.20	5.81	3.12	0.00	28.80	5.81	3.12	0.00
26.25	5.81	3.12	0.00	28.85	5.81	3.12	0.00
26.30	5.81	3.12	0.00	28.90	5.81	3.12	0.00
26.35	5.81	3.12	0.00	28.95	5.81	3.12	0.00
26.40	5.81	3.12	0.00	29.00	5.81	3.12	0.00
26.45	5.81	3.12	0.00	29.05	5.81	3.12	0.00
26.50	5.81	3.12	0.00	29.10	5.81	3.12	0.00
26.55	5.81	3.12	0.00	29.15	5.81	3.12	0.00
26.60	5.81	3.12	0.00	29.20	5.81	3.12	0.00
26.65	5.81	3.12	0.00	29.25	5.81	3.12	0.00
26.70	5.81	3.12	0.00	29.30	5.81	3.12	0.00
26.75	5.81	3.12	0.00	29.35	5.81	3.12	0.00
26.80	5.81	3.12	0.00	29.40	5.81	3.12	0.00
26.85	5.81	3.12	0.00	29.45	5.81	3.12	0.00
26.90	5.81	3.12	0.00	29.50	5.81	3.12	0.00
26.95	5.81	3.12	0.00	29.55	5.81	3.12	0.00
27.00	5.81	3.12	0.00	29.60	5.81	3.12	0.00
27.05	5.81	3.12	0.00	29.65	5.81	3.12	0.00
27.10	5.81	3.12	0.00	29.70	5.81	3.12	0.00
27.15	5.81	3.12	0.00	29.75	5.81	3.12	0.00
27.20	5.81	3.12	0.00	29.80	5.81	3.12	0.00
27.25	5.81	3.12	0.00	29.85	5.81	3.12	0.00
27.30	5.81	3.12	0.00	29.90	5.81	3.12	0.00
27.35	5.81	3.12	0.00	29.95	5.81	3.12	0.00
27.40	5.81	3.12	0.00	30.00	5.81	3.12	0.00
27.45	5.81	3.12	0.00	30.05	5.81	3.12	0.00
27.50	5.81	3.12	0.00	30.10	5.81	3.12	0.00
27.55	5.81	3.12	0.00	30.15	5.81	3.12	0.00
27.60	5.81	3.12	0.00	30.20	5.81	3.12	0.00
27.65	5.81	3.12	0.00	30.25	5.81	3.12	0.00
27.70	5.81	3.12	0.00	30.30	5.81	3.12	0.00
27.75	5.81	3.12	0.00	30.35	5.81	3.12	0.00
27.80	5.81	3.12	0.00	30.40	5.81	3.12	0.00
27.85	5.81	3.12	0.00	30.45	5.81	3.12	0.00
27.90	5.81	3.12	0.00	30.50	5.81	3.12	0.00
27.95	5.81	3.12	0.00	30.55	5.81	3.12	0.00
28.00	5.81	3.12	0.00	30.60	5.81	3.12	0.00
28.05	5.81	3.12	0.00	30.65	5.81	3.12	0.00
28.10	5.81	3.12	0.00	30.70	5.81	3.12	0.00
28.15	5.81	3.12	0.00	30.75	5.81	3.12	0.00
28.20	5.81	3.12	0.00	30.80	5.81	3.12	0.00
28.25	5.81	3.12	0.00	30.85	5.81	3.12	0.00
28.30	5.81	3.12	0.00	30.90	5.81	3.12	0.00
28.35	5.81	3.12	0.00	30.95	5.81	3.12	0.00
28.40	5.81	3.12	0.00	31.00	5.81	3.12	0.00
28.45	5.81	3.12	0.00	31.05	5.81	3.12	0.00
28.50	5.81	3.12	0.00	31.10	5.81	3.12	0.00
28.55	5.81	3.12	0.00	31.15	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.12	0.00	33.80	5.81	3.12	0.00
31.25	5.81	3.12	0.00	33.85	5.81	3.12	0.00
31.30	5.81	3.12	0.00	33.90	5.81	3.12	0.00
31.35	5.81	3.12	0.00	33.95	5.81	3.12	0.00
31.40	5.81	3.12	0.00	34.00	5.81	3.12	0.00
31.45	5.81	3.12	0.00	34.05	5.81	3.12	0.00
31.50	5.81	3.12	0.00	34.10	5.81	3.12	0.00
31.55	5.81	3.12	0.00	34.15	5.81	3.12	0.00
31.60	5.81	3.12	0.00	34.20	5.81	3.12	0.00
31.65	5.81	3.12	0.00	34.25	5.81	3.12	0.00
31.70	5.81	3.12	0.00	34.30	5.81	3.12	0.00
31.75	5.81	3.12	0.00	34.35	5.81	3.12	0.00
31.80	5.81	3.12	0.00	34.40	5.81	3.12	0.00
31.85	5.81	3.12	0.00	34.45	5.81	3.12	0.00
31.90	5.81	3.12	0.00	34.50	5.81	3.12	0.00
31.95	5.81	3.12	0.00	34.55	5.81	3.12	0.00
32.00	5.81	3.12	0.00	34.60	5.81	3.12	0.00
32.05	5.81	3.12	0.00	34.65	5.81	3.12	0.00
32.10	5.81	3.12	0.00	34.70	5.81	3.12	0.00
32.15	5.81	3.12	0.00	34.75	5.81	3.12	0.00
32.20	5.81	3.12	0.00	34.80	5.81	3.12	0.00
32.25	5.81	3.12	0.00	34.85	5.81	3.12	0.00
32.30	5.81	3.12	0.00	34.90	5.81	3.12	0.00
32.35	5.81	3.12	0.00	34.95	5.81	3.12	0.00
32.40	5.81	3.12	0.00	35.00	5.81	3.12	0.00
32.45	5.81	3.12	0.00	35.05	5.81	3.12	0.00
32.50	5.81	3.12	0.00	35.10	5.81	3.12	0.00
32.55	5.81	3.12	0.00	35.15	5.81	3.12	0.00
32.60	5.81	3.12	0.00	35.20	5.81	3.12	0.00
32.65	5.81	3.12	0.00	35.25	5.81	3.12	0.00
32.70	5.81	3.12	0.00	35.30	5.81	3.12	0.00
32.75	5.81	3.12	0.00	35.35	5.81	3.12	0.00
32.80	5.81	3.12	0.00	35.40	5.81	3.12	0.00
32.85	5.81	3.12	0.00	35.45	5.81	3.12	0.00
32.90	5.81	3.12	0.00	35.50	5.81	3.12	0.00
32.95	5.81	3.12	0.00	35.55	5.81	3.12	0.00
33.00	5.81	3.12	0.00	35.60	5.81	3.12	0.00
33.05	5.81	3.12	0.00	35.65	5.81	3.12	0.00
33.10	5.81	3.12	0.00	35.70	5.81	3.12	0.00
33.15	5.81	3.12	0.00	35.75	5.81	3.12	0.00
33.20	5.81	3.12	0.00	35.80	5.81	3.12	0.00
33.25	5.81	3.12	0.00	35.85	5.81	3.12	0.00
33.30	5.81	3.12	0.00	35.90	5.81	3.12	0.00
33.35	5.81	3.12	0.00	35.95	5.81	3.12	0.00
33.40	5.81	3.12	0.00	36.00	5.81	3.12	0.00
33.45	5.81	3.12	0.00	36.05	5.81	3.12	0.00
33.50	5.81	3.12	0.00	36.10	5.81	3.12	0.00
33.55	5.81	3.12	0.00	36.15	5.81	3.12	0.00
33.60	5.81	3.12	0.00	36.20	5.81	3.12	0.00
33.65	5.81	3.12	0.00	36.25	5.81	3.12	0.00
33.70	5.81	3.12	0.00	36.30	5.81	3.12	0.00
33.75	5.81	3.12	0.00	36.35	5.81	3.12	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.12	0.00
36.45	5.81	3.12	0.00
36.50	5.81	3.12	0.00
36.55	5.81	3.12	0.00
36.60	5.81	3.12	0.00
36.65	5.81	3.12	0.00
36.70	5.81	3.12	0.00
36.75	5.81	3.12	0.00
36.80	5.81	3.12	0.00
36.85	5.81	3.12	0.00
36.90	5.81	3.12	0.00
36.95	5.81	3.12	0.00
37.00	5.81	3.12	0.00
37.05	5.81	3.12	0.00
37.10	5.81	3.12	0.00
37.15	5.81	3.12	0.00
37.20	5.81	3.12	0.00
37.25	5.81	3.12	0.00
37.30	5.81	3.12	0.00
37.35	5.81	3.12	0.00
37.40	5.81	3.12	0.00
37.45	5.81	3.12	0.00
37.50	5.81	3.12	0.00
37.55	5.81	3.12	0.00
37.60	5.81	3.12	0.00
37.65	5.81	3.12	0.00
37.70	5.81	3.12	0.00
37.75	5.81	3.12	0.00
37.80	5.81	3.12	0.00
37.85	5.81	3.12	0.00
37.90	5.81	3.12	0.00
37.95	5.81	3.12	0.00
38.00	5.81	3.12	0.00
38.05	5.81	3.12	0.00
38.10	5.81	3.12	0.00
38.15	5.81	3.12	0.00
38.20	5.81	3.12	0.00
38.25	5.81	3.12	0.00
38.30	5.81	3.12	0.00
38.35	5.81	3.12	0.00
38.40	5.81	3.12	0.00
38.45	5.81	3.12	0.00
38.50	5.81	3.12	0.00
38.55	5.81	3.12	0.00
38.60	5.81	3.12	0.00
38.65	5.81	3.12	0.00
38.70	5.81	3.12	0.00
38.75	5.81	3.12	0.00
38.80	5.81	3.12	0.00
38.85	5.81	3.12	0.00
38.90	5.81	3.12	0.00
38.95	5.81	3.12	0.00
39.00	5.81	3.12	0.00
39.05	5.81	3.12	0.00
39.10	5.81	3.12	0.00
39.15	5.81	3.12	0.00
39.20	5.81	3.12	0.00
39.25	5.81	3.12	0.00
39.30	5.81	3.12	0.00
39.35	5.81	3.12	0.00
39.40	5.81	3.12	0.00
39.45	5.81	3.12	0.00
39.50	5.81	3.12	0.00
39.55	5.81	3.12	0.00
39.60	5.81	3.12	0.00
39.65	5.81	3.12	0.00
39.70	5.81	3.12	0.00
39.75	5.81	3.12	0.00
39.80	5.81	3.12	0.00
39.85	5.81	3.12	0.00
39.90	5.81	3.12	0.00
39.95	5.81	3.12	0.00
40.00	5.81	3.12	0.00

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

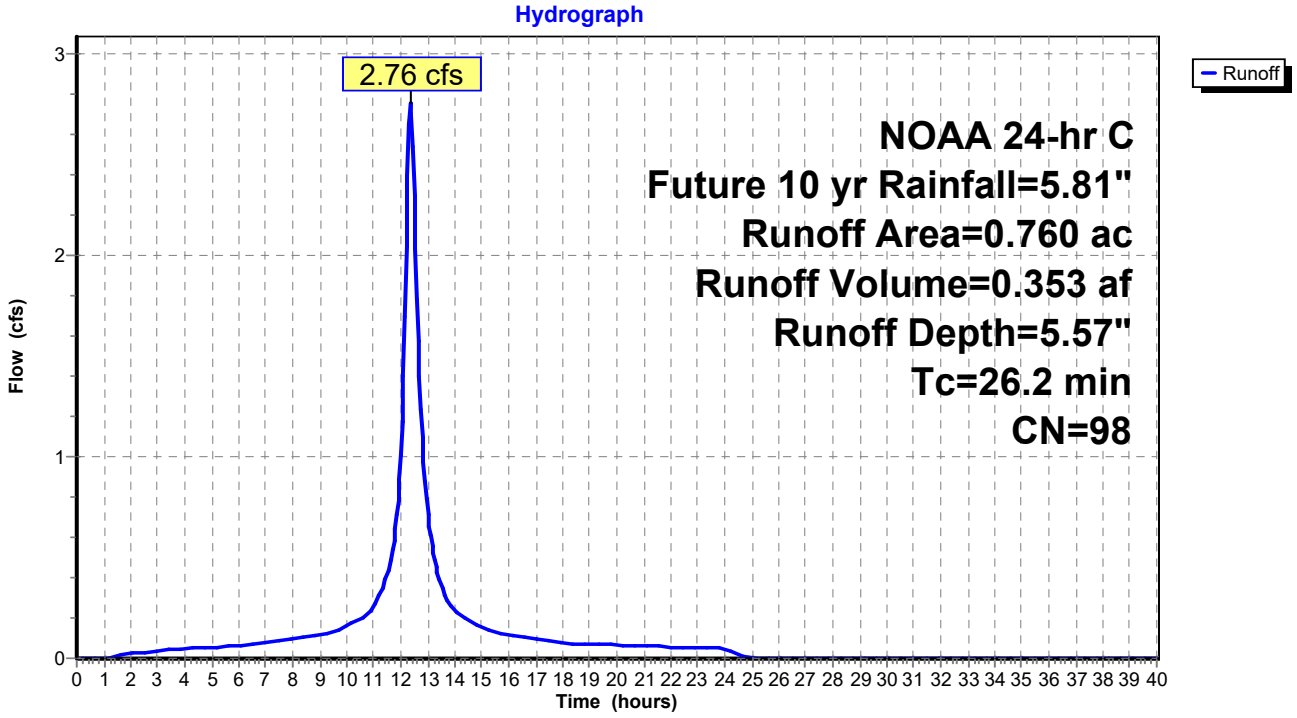
Runoff = 2.76 cfs @ 12.36 hrs, Volume= 0.353 af, Depth= 5.57"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6I: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.00	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.00	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.00	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.00	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.00	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.09
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.09
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.09
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.10
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.10
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.10
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.10
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.10
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.10
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.10
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.10
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.10
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.11
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.11
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.11
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.11
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.11
6.25	0.48	0.30	0.06	8.85	0.82	0.62	0.11
6.30	0.49	0.31	0.06	8.90	0.83	0.63	0.11
6.35	0.50	0.31	0.06	8.95	0.84	0.64	0.11
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.11
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.11
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.11
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.12
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.12
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.12
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.12
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.13
6.85	0.55	0.36	0.07	9.45	0.93	0.73	0.13
6.90	0.56	0.37	0.07	9.50	0.94	0.74	0.13
6.95	0.56	0.37	0.07	9.55	0.95	0.75	0.13
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.14
7.05	0.57	0.38	0.08	9.65	0.98	0.77	0.14
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.14
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.15
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.15
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.15
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.16
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.16
7.40	0.62	0.42	0.08	10.00	1.06	0.85	0.16
7.45	0.62	0.43	0.08	10.05	1.07	0.86	0.17
7.50	0.63	0.44	0.08	10.10	1.09	0.87	0.17
7.55	0.64	0.44	0.09	10.15	1.10	0.89	0.17
7.60	0.64	0.45	0.09	10.20	1.11	0.90	0.18
7.65	0.65	0.45	0.09	10.25	1.13	0.91	0.18
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.18
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.19

Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.19	13.00	4.42	4.18	0.72
10.45	1.18	0.97	0.19	13.05	4.44	4.20	0.66
10.50	1.20	0.98	0.20	13.10	4.46	4.23	0.61
10.55	1.21	1.00	0.20	13.15	4.48	4.25	0.56
10.60	1.23	1.02	0.20	13.20	4.50	4.27	0.52
10.65	1.25	1.03	0.21	13.25	4.52	4.29	0.49
10.70	1.27	1.05	0.21	13.30	4.54	4.31	0.46
10.75	1.29	1.07	0.22	13.35	4.56	4.33	0.43
10.80	1.31	1.09	0.22	13.40	4.58	4.34	0.40
10.85	1.33	1.11	0.23	13.45	4.60	4.36	0.38
10.90	1.35	1.13	0.24	13.50	4.61	4.38	0.36
10.95	1.37	1.15	0.25	13.55	4.63	4.39	0.34
11.00	1.39	1.18	0.26	13.60	4.64	4.41	0.32
11.05	1.42	1.20	0.27	13.65	4.66	4.42	0.31
11.10	1.45	1.23	0.29	13.70	4.67	4.43	0.29
11.15	1.48	1.26	0.30	13.75	4.68	4.45	0.28
11.20	1.51	1.29	0.31	13.80	4.70	4.46	0.27
11.25	1.54	1.32	0.33	13.85	4.71	4.48	0.26
11.30	1.57	1.35	0.34	13.90	4.72	4.49	0.25
11.35	1.61	1.38	0.36	13.95	4.74	4.50	0.24
11.40	1.64	1.42	0.38	14.00	4.75	4.51	0.23
11.45	1.68	1.46	0.40	14.05	4.76	4.53	0.23
11.50	1.72	1.49	0.42	14.10	4.78	4.54	0.22
11.55	1.78	1.55	0.44	14.15	4.79	4.55	0.22
11.60	1.83	1.61	0.47	14.20	4.80	4.56	0.21
11.65	1.90	1.67	0.50	14.25	4.81	4.57	0.21
11.70	1.96	1.73	0.54	14.30	4.82	4.59	0.20
11.75	2.04	1.82	0.59	14.35	4.83	4.60	0.20
11.80	2.13	1.90	0.64	14.40	4.85	4.61	0.20
11.85	2.25	2.02	0.71	14.45	4.86	4.62	0.19
11.90	2.36	2.13	0.79	14.50	4.87	4.63	0.19
11.95	2.57	2.34	0.88	14.55	4.88	4.64	0.19
12.00	2.77	2.54	1.01	14.60	4.89	4.65	0.18
12.05	3.11	2.88	1.17	14.65	4.90	4.66	0.18
12.10	3.45	3.21	1.40	14.70	4.91	4.67	0.18
12.15	3.56	3.33	1.70	14.75	4.92	4.68	0.17
12.20	3.68	3.45	2.05	14.80	4.93	4.69	0.17
12.25	3.77	3.53	2.40	14.85	4.94	4.70	0.16
12.30	3.85	3.62	2.66	14.90	4.94	4.71	0.16
12.35	3.91	3.68	**2.76**	14.95	4.95	4.72	0.16
12.40	3.98	3.74	2.70	15.00	4.96	4.72	0.15
12.45	4.03	3.80	2.54	15.05	4.97	4.73	0.15
12.50	4.09	3.86	2.30	15.10	4.98	4.74	0.15
12.55	4.13	3.90	2.04	15.15	4.99	4.75	0.14
12.60	4.17	3.93	1.79	15.20	4.99	4.76	0.14
12.65	4.20	3.97	1.58	15.25	5.00	4.76	0.14
12.70	4.24	4.00	1.40	15.30	5.01	4.77	0.14
12.75	4.27	4.04	1.24	15.35	5.02	4.78	0.13
12.80	4.30	4.07	1.10	15.40	5.03	4.79	0.13
12.85	4.33	4.10	0.98	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.88	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.79	15.55	5.05	4.81	0.12

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.12	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.12	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.12	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.12	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.12	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.11	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.11	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.11	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.11	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.11	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.10	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.10	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.09	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.05
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.05
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.05
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.04
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.04
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.03
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.03
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.02
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.02
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.01
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.01
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.01
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.01
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

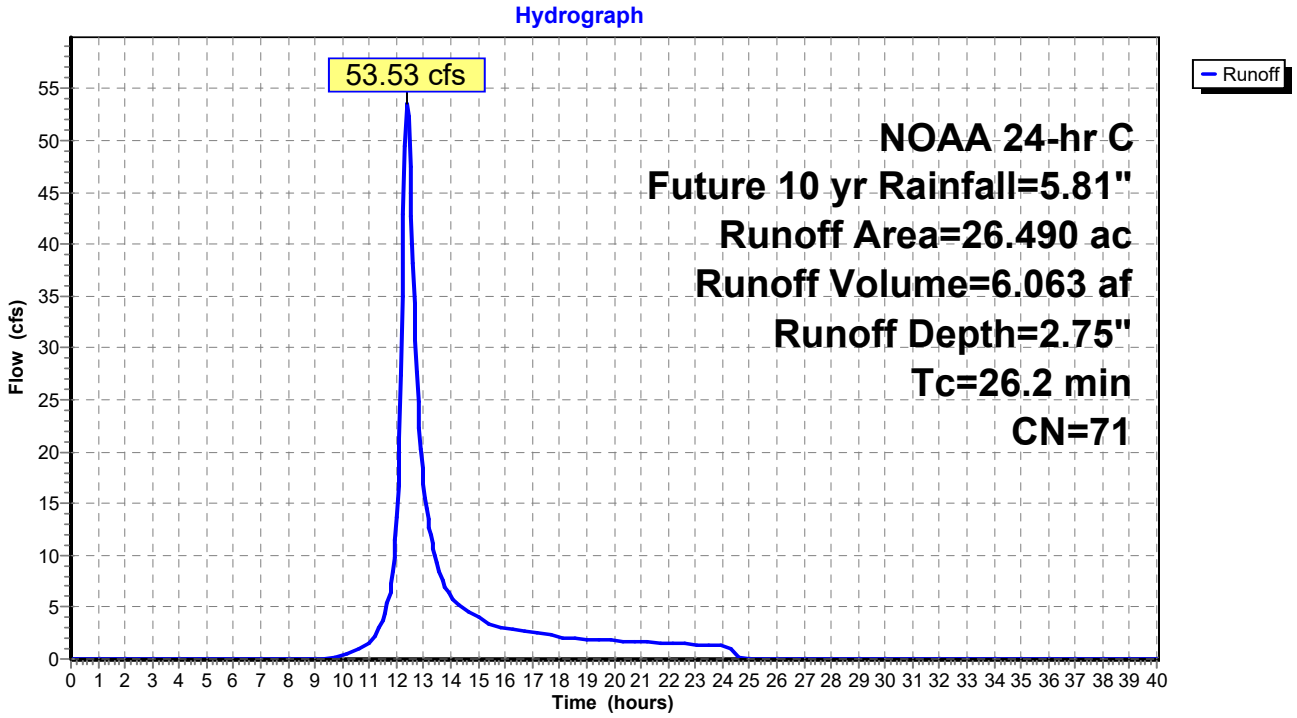
Runoff = 53.53 cfs @ 12.38 hrs, Volume= 6.063 af, Depth= 2.75"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.04
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.05
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.06
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.08
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.10
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.12
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.14
7.00	0.57	0.00	0.00	9.60	0.96	0.01	0.17
7.05	0.57	0.00	0.00	9.65	0.98	0.01	0.19
7.10	0.58	0.00	0.00	9.70	0.99	0.01	0.22
7.15	0.58	0.00	0.00	9.75	1.00	0.01	0.25
7.20	0.59	0.00	0.00	9.80	1.01	0.01	0.28
7.25	0.60	0.00	0.00	9.85	1.02	0.01	0.31
7.30	0.60	0.00	0.00	9.90	1.03	0.01	0.34
7.35	0.61	0.00	0.00	9.95	1.05	0.01	0.37
7.40	0.62	0.00	0.00	10.00	1.06	0.01	0.41
7.45	0.62	0.00	0.00	10.05	1.07	0.02	0.45
7.50	0.63	0.00	0.00	10.10	1.09	0.02	0.49
7.55	0.64	0.00	0.00	10.15	1.10	0.02	0.52
7.60	0.64	0.00	0.00	10.20	1.11	0.02	0.57
7.65	0.65	0.00	0.00	10.25	1.13	0.02	0.61
7.70	0.65	0.00	0.00	10.30	1.14	0.02	0.65
7.75	0.66	0.00	0.00	10.35	1.15	0.03	0.70

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.03	0.75	13.00	4.42	1.69	16.89
10.45	1.18	0.03	0.80	13.05	4.44	1.70	15.62
10.50	1.20	0.03	0.85	13.10	4.46	1.72	14.52
10.55	1.21	0.04	0.90	13.15	4.48	1.73	13.56
10.60	1.23	0.04	0.95	13.20	4.50	1.75	12.70
10.65	1.25	0.04	1.01	13.25	4.52	1.76	11.92
10.70	1.27	0.04	1.08	13.30	4.54	1.78	11.22
10.75	1.29	0.05	1.15	13.35	4.56	1.79	10.58
10.80	1.31	0.05	1.23	13.40	4.58	1.80	10.00
10.85	1.33	0.06	1.33	13.45	4.60	1.82	9.48
10.90	1.35	0.06	1.43	13.50	4.61	1.83	9.00
10.95	1.37	0.07	1.55	13.55	4.63	1.84	8.57
11.00	1.39	0.07	1.68	13.60	4.64	1.85	8.18
11.05	1.42	0.08	1.81	13.65	4.66	1.86	7.81
11.10	1.45	0.08	1.96	13.70	4.67	1.87	7.46
11.15	1.48	0.09	2.12	13.75	4.68	1.88	7.13
11.20	1.51	0.10	2.29	13.80	4.70	1.89	6.83
11.25	1.54	0.11	2.49	13.85	4.71	1.90	6.56
11.30	1.57	0.12	2.71	13.90	4.72	1.91	6.32
11.35	1.61	0.13	2.96	13.95	4.74	1.92	6.12
11.40	1.64	0.14	3.23	14.00	4.75	1.93	5.95
11.45	1.68	0.15	3.52	14.05	4.76	1.94	5.80
11.50	1.72	0.16	3.84	14.10	4.78	1.95	5.67
11.55	1.78	0.18	4.18	14.15	4.79	1.96	5.55
11.60	1.83	0.20	4.57	14.20	4.80	1.97	5.44
11.65	1.90	0.23	5.05	14.25	4.81	1.98	5.34
11.70	1.96	0.25	5.65	14.30	4.82	1.98	5.24
11.75	2.04	0.28	6.40	14.35	4.83	1.99	5.15
11.80	2.13	0.32	7.31	14.40	4.85	2.00	5.06
11.85	2.25	0.37	8.40	14.45	4.86	2.01	4.97
11.90	2.36	0.42	9.72	14.50	4.87	2.02	4.89
11.95	2.57	0.52	11.42	14.55	4.88	2.02	4.80
12.00	2.77	0.63	13.68	14.60	4.89	2.03	4.72
12.05	3.11	0.82	16.76	14.65	4.90	2.04	4.64
12.10	3.45	1.03	21.20	14.70	4.91	2.05	4.55
12.15	3.56	1.11	27.37	14.75	4.92	2.05	4.47
12.20	3.68	1.18	35.00	14.80	4.93	2.06	4.38
12.25	3.77	1.24	42.98	14.85	4.94	2.07	4.30
12.30	3.85	1.29	49.55	14.90	4.94	2.07	4.22
12.35	3.91	1.34	53.04	14.95	4.95	2.08	4.13
12.40	3.98	1.38	**53.37**	15.00	4.96	2.09	4.05
12.45	4.03	1.42	51.27	15.05	4.97	2.09	3.97
12.50	4.09	1.46	47.43	15.10	4.98	2.10	3.88
12.55	4.13	1.48	42.77	15.15	4.99	2.11	3.80
12.60	4.17	1.51	38.18	15.20	4.99	2.11	3.71
12.65	4.20	1.54	34.25	15.25	5.00	2.12	3.63
12.70	4.24	1.56	30.78	15.30	5.01	2.12	3.56
12.75	4.27	1.58	27.64	15.35	5.02	2.13	3.49
12.80	4.30	1.61	24.82	15.40	5.03	2.14	3.43
12.85	4.33	1.63	22.37	15.45	5.03	2.14	3.38
12.90	4.36	1.65	20.24	15.50	5.04	2.15	3.33
12.95	4.39	1.67	18.42	15.55	5.05	2.15	3.29

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.16	3.26	18.20	5.37	2.40	2.06
15.65	5.06	2.16	3.23	18.25	5.37	2.40	2.04
15.70	5.07	2.17	3.20	18.30	5.38	2.41	2.01
15.75	5.08	2.18	3.17	18.35	5.38	2.41	2.00
15.80	5.09	2.18	3.15	18.40	5.39	2.41	1.98
15.85	5.09	2.19	3.12	18.45	5.39	2.42	1.96
15.90	5.10	2.19	3.10	18.50	5.40	2.42	1.95
15.95	5.11	2.20	3.07	18.55	5.40	2.42	1.94
16.00	5.11	2.20	3.05	18.60	5.40	2.43	1.93
16.05	5.12	2.21	3.03	18.65	5.41	2.43	1.93
16.10	5.13	2.21	3.00	18.70	5.41	2.43	1.92
16.15	5.13	2.22	2.98	18.75	5.42	2.44	1.91
16.20	5.14	2.22	2.96	18.80	5.42	2.44	1.90
16.25	5.15	2.23	2.94	18.85	5.43	2.44	1.90
16.30	5.16	2.23	2.92	18.90	5.43	2.45	1.89
16.35	5.16	2.24	2.89	18.95	5.44	2.45	1.89
16.40	5.17	2.24	2.87	19.00	5.44	2.45	1.88
16.45	5.17	2.25	2.85	19.05	5.44	2.46	1.87
16.50	5.18	2.25	2.83	19.10	5.45	2.46	1.87
16.55	5.19	2.26	2.81	19.15	5.45	2.47	1.86
16.60	5.19	2.26	2.78	19.20	5.46	2.47	1.86
16.65	5.20	2.27	2.76	19.25	5.46	2.47	1.85
16.70	5.21	2.27	2.74	19.30	5.47	2.48	1.85
16.75	5.21	2.28	2.72	19.35	5.47	2.48	1.84
16.80	5.22	2.28	2.69	19.40	5.48	2.48	1.83
16.85	5.23	2.29	2.67	19.45	5.48	2.49	1.83
16.90	5.23	2.29	2.65	19.50	5.48	2.49	1.82
16.95	5.24	2.30	2.63	19.55	5.49	2.49	1.82
17.00	5.24	2.30	2.60	19.60	5.49	2.50	1.81
17.05	5.25	2.31	2.58	19.65	5.50	2.50	1.81
17.10	5.25	2.31	2.56	19.70	5.50	2.50	1.80
17.15	5.26	2.32	2.54	19.75	5.50	2.51	1.80
17.20	5.27	2.32	2.52	19.80	5.51	2.51	1.79
17.25	5.27	2.32	2.49	19.85	5.51	2.51	1.78
17.30	5.28	2.33	2.47	19.90	5.52	2.52	1.78
17.35	5.28	2.33	2.45	19.95	5.52	2.52	1.78
17.40	5.29	2.34	2.42	20.00	5.53	2.52	1.77
17.45	5.29	2.34	2.40	20.05	5.53	2.52	1.77
17.50	5.30	2.35	2.38	20.10	5.53	2.53	1.76
17.55	5.30	2.35	2.35	20.15	5.54	2.53	1.75
17.60	5.31	2.35	2.33	20.20	5.54	2.53	1.75
17.65	5.31	2.36	2.31	20.25	5.55	2.54	1.74
17.70	5.32	2.36	2.29	20.30	5.55	2.54	1.74
17.75	5.33	2.37	2.26	20.35	5.55	2.54	1.73
17.80	5.33	2.37	2.24	20.40	5.56	2.55	1.72
17.85	5.34	2.37	2.22	20.45	5.56	2.55	1.72
17.90	5.34	2.38	2.20	20.50	5.57	2.55	1.71
17.95	5.34	2.38	2.17	20.55	5.57	2.56	1.71
18.00	5.35	2.38	2.15	20.60	5.57	2.56	1.70
18.05	5.35	2.39	2.13	20.65	5.58	2.56	1.70
18.10	5.36	2.39	2.10	20.70	5.58	2.57	1.69
18.15	5.36	2.40	2.08	20.75	5.59	2.57	1.69

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.57	1.68	23.40	5.77	2.72	1.38
20.85	5.59	2.57	1.67	23.45	5.78	2.72	1.37
20.90	5.60	2.58	1.67	23.50	5.78	2.72	1.37
20.95	5.60	2.58	1.66	23.55	5.78	2.72	1.36
21.00	5.61	2.58	1.66	23.60	5.78	2.73	1.36
21.05	5.61	2.59	1.65	23.65	5.79	2.73	1.35
21.10	5.61	2.59	1.64	23.70	5.79	2.73	1.34
21.15	5.62	2.59	1.64	23.75	5.79	2.73	1.34
21.20	5.62	2.60	1.63	23.80	5.80	2.74	1.33
21.25	5.62	2.60	1.63	23.85	5.80	2.74	1.33
21.30	5.63	2.60	1.62	23.90	5.80	2.74	1.32
21.35	5.63	2.60	1.62	23.95	5.81	2.74	1.32
21.40	5.64	2.61	1.61	24.00	**5.81**	**2.75**	1.31
21.45	5.64	2.61	1.61	24.05	5.81	2.75	1.31
21.50	5.64	2.61	1.60	24.10	5.81	2.75	1.31
21.55	5.65	2.62	1.59	24.15	5.81	2.75	1.29
21.60	5.65	2.62	1.59	24.20	5.81	2.75	1.22
21.65	5.65	2.62	1.58	24.25	5.81	2.75	1.10
21.70	5.66	2.63	1.58	24.30	5.81	2.75	0.95
21.75	5.66	2.63	1.57	24.35	5.81	2.75	0.77
21.80	5.66	2.63	1.56	24.40	5.81	2.75	0.61
21.85	5.67	2.63	1.56	24.45	5.81	2.75	0.46
21.90	5.67	2.64	1.55	24.50	5.81	2.75	0.35
21.95	5.68	2.64	1.55	24.55	5.81	2.75	0.26
22.00	5.68	2.64	1.54	24.60	5.81	2.75	0.20
22.05	5.68	2.64	1.54	24.65	5.81	2.75	0.15
22.10	5.69	2.65	1.53	24.70	5.81	2.75	0.11
22.15	5.69	2.65	1.53	24.75	5.81	2.75	0.08
22.20	5.69	2.65	1.52	24.80	5.81	2.75	0.06
22.25	5.70	2.66	1.51	24.85	5.81	2.75	0.05
22.30	5.70	2.66	1.51	24.90	5.81	2.75	0.04
22.35	5.70	2.66	1.50	24.95	5.81	2.75	0.03
22.40	5.71	2.66	1.50	25.00	5.81	2.75	0.02
22.45	5.71	2.67	1.49	25.05	5.81	2.75	0.01
22.50	5.71	2.67	1.49	25.10	5.81	2.75	0.01
22.55	5.72	2.67	1.48	25.15	5.81	2.75	0.01
22.60	5.72	2.67	1.47	25.20	5.81	2.75	0.01
22.65	5.72	2.68	1.47	25.25	5.81	2.75	0.00
22.70	5.73	2.68	1.46	25.30	5.81	2.75	0.00
22.75	5.73	2.68	1.46	25.35	5.81	2.75	0.00
22.80	5.73	2.69	1.45	25.40	5.81	2.75	0.00
22.85	5.74	2.69	1.44	25.45	5.81	2.75	0.00
22.90	5.74	2.69	1.44	25.50	5.81	2.75	0.00
22.95	5.74	2.69	1.43	25.55	5.81	2.75	0.00
23.00	5.75	2.70	1.43	25.60	5.81	2.75	0.00
23.05	5.75	2.70	1.42	25.65	5.81	2.75	0.00
23.10	5.75	2.70	1.41	25.70	5.81	2.75	0.00
23.15	5.76	2.70	1.41	25.75	5.81	2.75	0.00
23.20	5.76	2.71	1.40	25.80	5.81	2.75	0.00
23.25	5.76	2.71	1.40	25.85	5.81	2.75	0.00
23.30	5.77	2.71	1.39	25.90	5.81	2.75	0.00
23.35	5.77	2.71	1.38	25.95	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.75	0.00	28.60	5.81	2.75	0.00
26.05	5.81	2.75	0.00	28.65	5.81	2.75	0.00
26.10	5.81	2.75	0.00	28.70	5.81	2.75	0.00
26.15	5.81	2.75	0.00	28.75	5.81	2.75	0.00
26.20	5.81	2.75	0.00	28.80	5.81	2.75	0.00
26.25	5.81	2.75	0.00	28.85	5.81	2.75	0.00
26.30	5.81	2.75	0.00	28.90	5.81	2.75	0.00
26.35	5.81	2.75	0.00	28.95	5.81	2.75	0.00
26.40	5.81	2.75	0.00	29.00	5.81	2.75	0.00
26.45	5.81	2.75	0.00	29.05	5.81	2.75	0.00
26.50	5.81	2.75	0.00	29.10	5.81	2.75	0.00
26.55	5.81	2.75	0.00	29.15	5.81	2.75	0.00
26.60	5.81	2.75	0.00	29.20	5.81	2.75	0.00
26.65	5.81	2.75	0.00	29.25	5.81	2.75	0.00
26.70	5.81	2.75	0.00	29.30	5.81	2.75	0.00
26.75	5.81	2.75	0.00	29.35	5.81	2.75	0.00
26.80	5.81	2.75	0.00	29.40	5.81	2.75	0.00
26.85	5.81	2.75	0.00	29.45	5.81	2.75	0.00
26.90	5.81	2.75	0.00	29.50	5.81	2.75	0.00
26.95	5.81	2.75	0.00	29.55	5.81	2.75	0.00
27.00	5.81	2.75	0.00	29.60	5.81	2.75	0.00
27.05	5.81	2.75	0.00	29.65	5.81	2.75	0.00
27.10	5.81	2.75	0.00	29.70	5.81	2.75	0.00
27.15	5.81	2.75	0.00	29.75	5.81	2.75	0.00
27.20	5.81	2.75	0.00	29.80	5.81	2.75	0.00
27.25	5.81	2.75	0.00	29.85	5.81	2.75	0.00
27.30	5.81	2.75	0.00	29.90	5.81	2.75	0.00
27.35	5.81	2.75	0.00	29.95	5.81	2.75	0.00
27.40	5.81	2.75	0.00	30.00	5.81	2.75	0.00
27.45	5.81	2.75	0.00	30.05	5.81	2.75	0.00
27.50	5.81	2.75	0.00	30.10	5.81	2.75	0.00
27.55	5.81	2.75	0.00	30.15	5.81	2.75	0.00
27.60	5.81	2.75	0.00	30.20	5.81	2.75	0.00
27.65	5.81	2.75	0.00	30.25	5.81	2.75	0.00
27.70	5.81	2.75	0.00	30.30	5.81	2.75	0.00
27.75	5.81	2.75	0.00	30.35	5.81	2.75	0.00
27.80	5.81	2.75	0.00	30.40	5.81	2.75	0.00
27.85	5.81	2.75	0.00	30.45	5.81	2.75	0.00
27.90	5.81	2.75	0.00	30.50	5.81	2.75	0.00
27.95	5.81	2.75	0.00	30.55	5.81	2.75	0.00
28.00	5.81	2.75	0.00	30.60	5.81	2.75	0.00
28.05	5.81	2.75	0.00	30.65	5.81	2.75	0.00
28.10	5.81	2.75	0.00	30.70	5.81	2.75	0.00
28.15	5.81	2.75	0.00	30.75	5.81	2.75	0.00
28.20	5.81	2.75	0.00	30.80	5.81	2.75	0.00
28.25	5.81	2.75	0.00	30.85	5.81	2.75	0.00
28.30	5.81	2.75	0.00	30.90	5.81	2.75	0.00
28.35	5.81	2.75	0.00	30.95	5.81	2.75	0.00
28.40	5.81	2.75	0.00	31.00	5.81	2.75	0.00
28.45	5.81	2.75	0.00	31.05	5.81	2.75	0.00
28.50	5.81	2.75	0.00	31.10	5.81	2.75	0.00
28.55	5.81	2.75	0.00	31.15	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.75	0.00	33.80	5.81	2.75	0.00
31.25	5.81	2.75	0.00	33.85	5.81	2.75	0.00
31.30	5.81	2.75	0.00	33.90	5.81	2.75	0.00
31.35	5.81	2.75	0.00	33.95	5.81	2.75	0.00
31.40	5.81	2.75	0.00	34.00	5.81	2.75	0.00
31.45	5.81	2.75	0.00	34.05	5.81	2.75	0.00
31.50	5.81	2.75	0.00	34.10	5.81	2.75	0.00
31.55	5.81	2.75	0.00	34.15	5.81	2.75	0.00
31.60	5.81	2.75	0.00	34.20	5.81	2.75	0.00
31.65	5.81	2.75	0.00	34.25	5.81	2.75	0.00
31.70	5.81	2.75	0.00	34.30	5.81	2.75	0.00
31.75	5.81	2.75	0.00	34.35	5.81	2.75	0.00
31.80	5.81	2.75	0.00	34.40	5.81	2.75	0.00
31.85	5.81	2.75	0.00	34.45	5.81	2.75	0.00
31.90	5.81	2.75	0.00	34.50	5.81	2.75	0.00
31.95	5.81	2.75	0.00	34.55	5.81	2.75	0.00
32.00	5.81	2.75	0.00	34.60	5.81	2.75	0.00
32.05	5.81	2.75	0.00	34.65	5.81	2.75	0.00
32.10	5.81	2.75	0.00	34.70	5.81	2.75	0.00
32.15	5.81	2.75	0.00	34.75	5.81	2.75	0.00
32.20	5.81	2.75	0.00	34.80	5.81	2.75	0.00
32.25	5.81	2.75	0.00	34.85	5.81	2.75	0.00
32.30	5.81	2.75	0.00	34.90	5.81	2.75	0.00
32.35	5.81	2.75	0.00	34.95	5.81	2.75	0.00
32.40	5.81	2.75	0.00	35.00	5.81	2.75	0.00
32.45	5.81	2.75	0.00	35.05	5.81	2.75	0.00
32.50	5.81	2.75	0.00	35.10	5.81	2.75	0.00
32.55	5.81	2.75	0.00	35.15	5.81	2.75	0.00
32.60	5.81	2.75	0.00	35.20	5.81	2.75	0.00
32.65	5.81	2.75	0.00	35.25	5.81	2.75	0.00
32.70	5.81	2.75	0.00	35.30	5.81	2.75	0.00
32.75	5.81	2.75	0.00	35.35	5.81	2.75	0.00
32.80	5.81	2.75	0.00	35.40	5.81	2.75	0.00
32.85	5.81	2.75	0.00	35.45	5.81	2.75	0.00
32.90	5.81	2.75	0.00	35.50	5.81	2.75	0.00
32.95	5.81	2.75	0.00	35.55	5.81	2.75	0.00
33.00	5.81	2.75	0.00	35.60	5.81	2.75	0.00
33.05	5.81	2.75	0.00	35.65	5.81	2.75	0.00
33.10	5.81	2.75	0.00	35.70	5.81	2.75	0.00
33.15	5.81	2.75	0.00	35.75	5.81	2.75	0.00
33.20	5.81	2.75	0.00	35.80	5.81	2.75	0.00
33.25	5.81	2.75	0.00	35.85	5.81	2.75	0.00
33.30	5.81	2.75	0.00	35.90	5.81	2.75	0.00
33.35	5.81	2.75	0.00	35.95	5.81	2.75	0.00
33.40	5.81	2.75	0.00	36.00	5.81	2.75	0.00
33.45	5.81	2.75	0.00	36.05	5.81	2.75	0.00
33.50	5.81	2.75	0.00	36.10	5.81	2.75	0.00
33.55	5.81	2.75	0.00	36.15	5.81	2.75	0.00
33.60	5.81	2.75	0.00	36.20	5.81	2.75	0.00
33.65	5.81	2.75	0.00	36.25	5.81	2.75	0.00
33.70	5.81	2.75	0.00	36.30	5.81	2.75	0.00
33.75	5.81	2.75	0.00	36.35	5.81	2.75	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.75	0.00
36.45	5.81	2.75	0.00
36.50	5.81	2.75	0.00
36.55	5.81	2.75	0.00
36.60	5.81	2.75	0.00
36.65	5.81	2.75	0.00
36.70	5.81	2.75	0.00
36.75	5.81	2.75	0.00
36.80	5.81	2.75	0.00
36.85	5.81	2.75	0.00
36.90	5.81	2.75	0.00
36.95	5.81	2.75	0.00
37.00	5.81	2.75	0.00
37.05	5.81	2.75	0.00
37.10	5.81	2.75	0.00
37.15	5.81	2.75	0.00
37.20	5.81	2.75	0.00
37.25	5.81	2.75	0.00
37.30	5.81	2.75	0.00
37.35	5.81	2.75	0.00
37.40	5.81	2.75	0.00
37.45	5.81	2.75	0.00
37.50	5.81	2.75	0.00
37.55	5.81	2.75	0.00
37.60	5.81	2.75	0.00
37.65	5.81	2.75	0.00
37.70	5.81	2.75	0.00
37.75	5.81	2.75	0.00
37.80	5.81	2.75	0.00
37.85	5.81	2.75	0.00
37.90	5.81	2.75	0.00
37.95	5.81	2.75	0.00
38.00	5.81	2.75	0.00
38.05	5.81	2.75	0.00
38.10	5.81	2.75	0.00
38.15	5.81	2.75	0.00
38.20	5.81	2.75	0.00
38.25	5.81	2.75	0.00
38.30	5.81	2.75	0.00
38.35	5.81	2.75	0.00
38.40	5.81	2.75	0.00
38.45	5.81	2.75	0.00
38.50	5.81	2.75	0.00
38.55	5.81	2.75	0.00
38.60	5.81	2.75	0.00
38.65	5.81	2.75	0.00
38.70	5.81	2.75	0.00
38.75	5.81	2.75	0.00
38.80	5.81	2.75	0.00
38.85	5.81	2.75	0.00
38.90	5.81	2.75	0.00
38.95	5.81	2.75	0.00
39.00	5.81	2.75	0.00
39.05	5.81	2.75	0.00
39.10	5.81	2.75	0.00
39.15	5.81	2.75	0.00
39.20	5.81	2.75	0.00
39.25	5.81	2.75	0.00
39.30	5.81	2.75	0.00
39.35	5.81	2.75	0.00
39.40	5.81	2.75	0.00
39.45	5.81	2.75	0.00
39.50	5.81	2.75	0.00
39.55	5.81	2.75	0.00
39.60	5.81	2.75	0.00
39.65	5.81	2.75	0.00
39.70	5.81	2.75	0.00
39.75	5.81	2.75	0.00
39.80	5.81	2.75	0.00
39.85	5.81	2.75	0.00
39.90	5.81	2.75	0.00
39.95	5.81	2.75	0.00
40.00	5.81	2.75	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

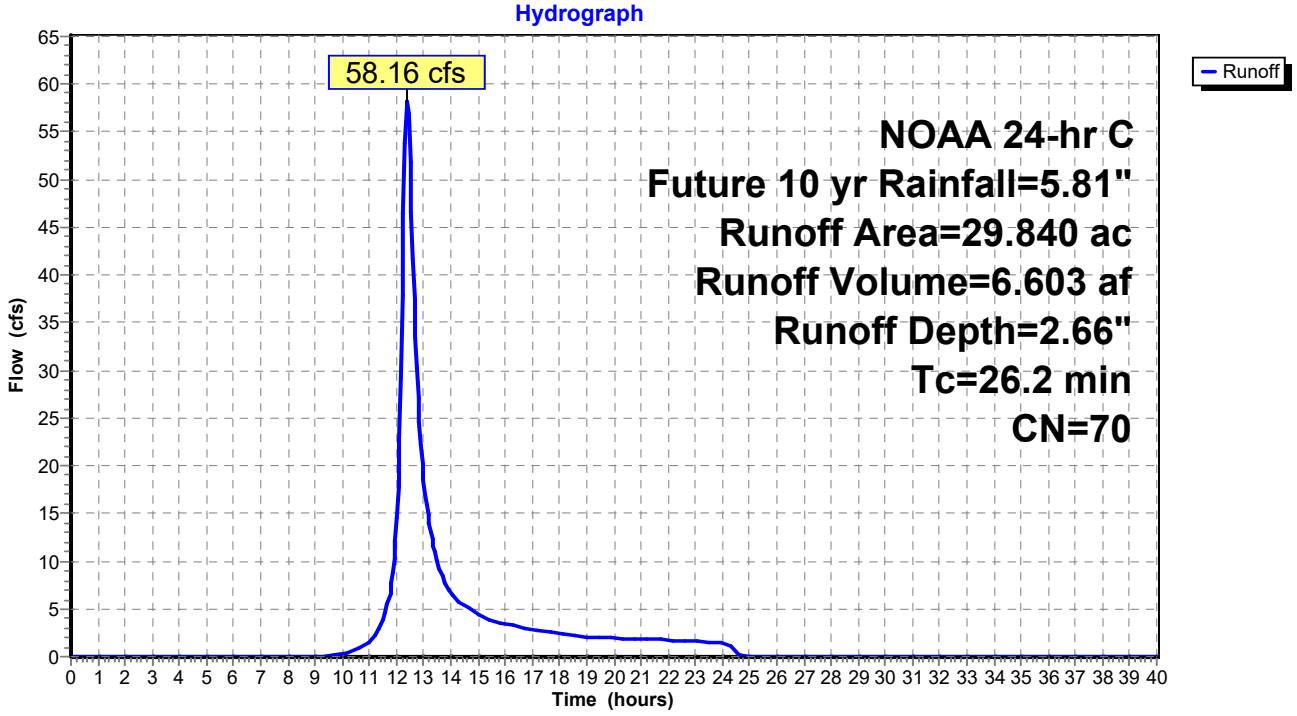
Runoff = 58.16 cfs @ 12.38 hrs, Volume= 6.603 af, Depth= 2.66"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.05
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.07
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.09
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.11
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.14
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.16
7.20	0.59	0.00	0.00	9.80	1.01	0.01	0.19
7.25	0.60	0.00	0.00	9.85	1.02	0.01	0.22
7.30	0.60	0.00	0.00	9.90	1.03	0.01	0.26
7.35	0.61	0.00	0.00	9.95	1.05	0.01	0.29
7.40	0.62	0.00	0.00	10.00	1.06	0.01	0.33
7.45	0.62	0.00	0.00	10.05	1.07	0.01	0.37
7.50	0.63	0.00	0.00	10.10	1.09	0.01	0.41
7.55	0.64	0.00	0.00	10.15	1.10	0.01	0.45
7.60	0.64	0.00	0.00	10.20	1.11	0.01	0.49
7.65	0.65	0.00	0.00	10.25	1.13	0.02	0.54
7.70	0.65	0.00	0.00	10.30	1.14	0.02	0.58
7.75	0.66	0.00	0.00	10.35	1.15	0.02	0.63

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.02	0.68	13.00	4.42	1.61	18.54
10.45	1.18	0.02	0.73	13.05	4.44	1.63	17.15
10.50	1.20	0.03	0.79	13.10	4.46	1.65	15.96
10.55	1.21	0.03	0.84	13.15	4.48	1.66	14.91
10.60	1.23	0.03	0.90	13.20	4.50	1.68	13.96
10.65	1.25	0.03	0.96	13.25	4.52	1.69	13.11
10.70	1.27	0.04	1.03	13.30	4.54	1.70	12.34
10.75	1.29	0.04	1.11	13.35	4.56	1.72	11.65
10.80	1.31	0.04	1.20	13.40	4.58	1.73	11.01
10.85	1.33	0.05	1.30	13.45	4.60	1.74	10.44
10.90	1.35	0.05	1.41	13.50	4.61	1.75	9.91
10.95	1.37	0.06	1.53	13.55	4.63	1.76	9.44
11.00	1.39	0.06	1.66	13.60	4.64	1.77	9.01
11.05	1.42	0.07	1.80	13.65	4.66	1.79	8.61
11.10	1.45	0.07	1.96	13.70	4.67	1.80	8.22
11.15	1.48	0.08	2.12	13.75	4.68	1.81	7.86
11.20	1.51	0.09	2.31	13.80	4.70	1.82	7.53
11.25	1.54	0.09	2.52	13.85	4.71	1.82	7.23
11.30	1.57	0.10	2.76	13.90	4.72	1.83	6.97
11.35	1.61	0.11	3.02	13.95	4.74	1.84	6.75
11.40	1.64	0.12	3.30	14.00	4.75	1.85	6.56
11.45	1.68	0.13	3.62	14.05	4.76	1.86	6.40
11.50	1.72	0.14	3.95	14.10	4.78	1.87	6.25
11.55	1.78	0.16	4.32	14.15	4.79	1.88	6.12
11.60	1.83	0.18	4.74	14.20	4.80	1.89	6.00
11.65	1.90	0.20	5.25	14.25	4.81	1.90	5.89
11.70	1.96	0.22	5.89	14.30	4.82	1.91	5.79
11.75	2.04	0.26	6.69	14.35	4.83	1.91	5.69
11.80	2.13	0.29	7.67	14.40	4.85	1.92	5.59
11.85	2.25	0.34	8.83	14.45	4.86	1.93	5.49
11.90	2.36	0.39	10.26	14.50	4.87	1.94	5.39
11.95	2.57	0.49	12.09	14.55	4.88	1.95	5.30
12.00	2.77	0.59	14.53	14.60	4.89	1.95	5.21
12.05	3.11	0.78	17.86	14.65	4.90	1.96	5.12
12.10	3.45	0.98	22.69	14.70	4.91	1.97	5.03
12.15	3.56	1.05	29.40	14.75	4.92	1.97	4.93
12.20	3.68	1.12	37.73	14.80	4.93	1.98	4.84
12.25	3.77	1.18	46.46	14.85	4.94	1.99	4.75
12.30	3.85	1.23	53.68	14.90	4.94	2.00	4.66
12.35	3.91	1.27	57.57	14.95	4.95	2.00	4.56
12.40	3.98	1.31	**58.01**	15.00	4.96	2.01	4.47
12.45	4.03	1.35	55.81	15.05	4.97	2.01	4.38
12.50	4.09	1.39	51.68	15.10	4.98	2.02	4.29
12.55	4.13	1.42	46.65	15.15	4.99	2.03	4.19
12.60	4.17	1.44	41.69	15.20	4.99	2.03	4.10
12.65	4.20	1.47	37.43	15.25	5.00	2.04	4.01
12.70	4.24	1.49	33.67	15.30	5.01	2.04	3.93
12.75	4.27	1.51	30.26	15.35	5.02	2.05	3.86
12.80	4.30	1.54	27.19	15.40	5.03	2.06	3.79
12.85	4.33	1.56	24.51	15.45	5.03	2.06	3.73
12.90	4.36	1.58	22.20	15.50	5.04	2.07	3.68
12.95	4.39	1.60	20.21	15.55	5.05	2.07	3.64

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.08	3.60	18.20	5.37	2.31	2.28
15.65	5.06	2.08	3.57	18.25	5.37	2.32	2.25
15.70	5.07	2.09	3.53	18.30	5.38	2.32	2.23
15.75	5.08	2.09	3.51	18.35	5.38	2.32	2.21
15.80	5.09	2.10	3.48	18.40	5.39	2.33	2.19
15.85	5.09	2.11	3.45	18.45	5.39	2.33	2.17
15.90	5.10	2.11	3.42	18.50	5.40	2.33	2.16
15.95	5.11	2.12	3.39	18.55	5.40	2.34	2.15
16.00	5.11	2.12	3.37	18.60	5.40	2.34	2.14
16.05	5.12	2.13	3.34	18.65	5.41	2.34	2.13
16.10	5.13	2.13	3.32	18.70	5.41	2.35	2.12
16.15	5.13	2.14	3.30	18.75	5.42	2.35	2.11
16.20	5.14	2.14	3.27	18.80	5.42	2.35	2.11
16.25	5.15	2.15	3.25	18.85	5.43	2.36	2.10
16.30	5.16	2.15	3.22	18.90	5.43	2.36	2.09
16.35	5.16	2.16	3.20	18.95	5.44	2.37	2.09
16.40	5.17	2.16	3.18	19.00	5.44	2.37	2.08
16.45	5.17	2.17	3.15	19.05	5.44	2.37	2.07
16.50	5.18	2.17	3.13	19.10	5.45	2.38	2.07
16.55	5.19	2.18	3.10	19.15	5.45	2.38	2.06
16.60	5.19	2.18	3.08	19.20	5.46	2.38	2.06
16.65	5.20	2.19	3.05	19.25	5.46	2.39	2.05
16.70	5.21	2.19	3.03	19.30	5.47	2.39	2.04
16.75	5.21	2.20	3.00	19.35	5.47	2.39	2.04
16.80	5.22	2.20	2.98	19.40	5.48	2.40	2.03
16.85	5.23	2.20	2.95	19.45	5.48	2.40	2.02
16.90	5.23	2.21	2.93	19.50	5.48	2.40	2.02
16.95	5.24	2.21	2.90	19.55	5.49	2.41	2.01
17.00	5.24	2.22	2.88	19.60	5.49	2.41	2.01
17.05	5.25	2.22	2.86	19.65	5.50	2.41	2.00
17.10	5.25	2.23	2.83	19.70	5.50	2.41	1.99
17.15	5.26	2.23	2.81	19.75	5.50	2.42	1.99
17.20	5.27	2.24	2.78	19.80	5.51	2.42	1.98
17.25	5.27	2.24	2.76	19.85	5.51	2.42	1.98
17.30	5.28	2.24	2.73	19.90	5.52	2.43	1.97
17.35	5.28	2.25	2.71	19.95	5.52	2.43	1.97
17.40	5.29	2.25	2.68	20.00	5.53	2.43	1.96
17.45	5.29	2.26	2.66	20.05	5.53	2.44	1.95
17.50	5.30	2.26	2.63	20.10	5.53	2.44	1.95
17.55	5.30	2.26	2.60	20.15	5.54	2.44	1.94
17.60	5.31	2.27	2.58	20.20	5.54	2.45	1.93
17.65	5.31	2.27	2.55	20.25	5.55	2.45	1.93
17.70	5.32	2.28	2.53	20.30	5.55	2.45	1.92
17.75	5.33	2.28	2.50	20.35	5.55	2.46	1.92
17.80	5.33	2.28	2.48	20.40	5.56	2.46	1.91
17.85	5.34	2.29	2.45	20.45	5.56	2.46	1.90
17.90	5.34	2.29	2.43	20.50	5.57	2.47	1.90
17.95	5.34	2.30	2.40	20.55	5.57	2.47	1.89
18.00	5.35	2.30	2.38	20.60	5.57	2.47	1.88
18.05	5.35	2.30	2.35	20.65	5.58	2.47	1.88
18.10	5.36	2.31	2.33	20.70	5.58	2.48	1.87
18.15	5.36	2.31	2.30	20.75	5.59	2.48	1.87

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.48	1.86	23.40	5.77	2.63	1.53
20.85	5.59	2.49	1.85	23.45	5.78	2.63	1.52
20.90	5.60	2.49	1.85	23.50	5.78	2.63	1.51
20.95	5.60	2.49	1.84	23.55	5.78	2.63	1.51
21.00	5.61	2.50	1.84	23.60	5.78	2.64	1.50
21.05	5.61	2.50	1.83	23.65	5.79	2.64	1.50
21.10	5.61	2.50	1.82	23.70	5.79	2.64	1.49
21.15	5.62	2.50	1.81	23.75	5.79	2.64	1.48
21.20	5.62	2.51	1.81	23.80	5.80	2.64	1.48
21.25	5.62	2.51	1.80	23.85	5.80	2.65	1.47
21.30	5.63	2.51	1.80	23.90	5.80	2.65	1.46
21.35	5.63	2.52	1.79	23.95	5.81	2.65	1.46
21.40	5.64	2.52	1.78	24.00	**5.81**	**2.66**	1.45
21.45	5.64	2.52	1.78	24.05	5.81	2.66	1.46
21.50	5.64	2.52	1.77	24.10	5.81	2.66	1.45
21.55	5.65	2.53	1.77	24.15	5.81	2.66	1.43
21.60	5.65	2.53	1.76	24.20	5.81	2.66	1.35
21.65	5.65	2.53	1.75	24.25	5.81	2.66	1.22
21.70	5.66	2.54	1.75	24.30	5.81	2.66	1.05
21.75	5.66	2.54	1.74	24.35	5.81	2.66	0.86
21.80	5.66	2.54	1.73	24.40	5.81	2.66	0.68
21.85	5.67	2.54	1.73	24.45	5.81	2.66	0.51
21.90	5.67	2.55	1.72	24.50	5.81	2.66	0.38
21.95	5.68	2.55	1.71	24.55	5.81	2.66	0.29
22.00	5.68	2.55	1.71	24.60	5.81	2.66	0.22
22.05	5.68	2.56	1.70	24.65	5.81	2.66	0.16
22.10	5.69	2.56	1.70	24.70	5.81	2.66	0.12
22.15	5.69	2.56	1.69	24.75	5.81	2.66	0.09
22.20	5.69	2.56	1.68	24.80	5.81	2.66	0.07
22.25	5.70	2.57	1.68	24.85	5.81	2.66	0.05
22.30	5.70	2.57	1.67	24.90	5.81	2.66	0.04
22.35	5.70	2.57	1.66	24.95	5.81	2.66	0.03
22.40	5.71	2.57	1.66	25.00	5.81	2.66	0.02
22.45	5.71	2.58	1.65	25.05	5.81	2.66	0.02
22.50	5.71	2.58	1.65	25.10	5.81	2.66	0.01
22.55	5.72	2.58	1.64	25.15	5.81	2.66	0.01
22.60	5.72	2.58	1.63	25.20	5.81	2.66	0.01
22.65	5.72	2.59	1.62	25.25	5.81	2.66	0.00
22.70	5.73	2.59	1.62	25.30	5.81	2.66	0.00
22.75	5.73	2.59	1.61	25.35	5.81	2.66	0.00
22.80	5.73	2.60	1.61	25.40	5.81	2.66	0.00
22.85	5.74	2.60	1.60	25.45	5.81	2.66	0.00
22.90	5.74	2.60	1.59	25.50	5.81	2.66	0.00
22.95	5.74	2.60	1.59	25.55	5.81	2.66	0.00
23.00	5.75	2.61	1.58	25.60	5.81	2.66	0.00
23.05	5.75	2.61	1.57	25.65	5.81	2.66	0.00
23.10	5.75	2.61	1.57	25.70	5.81	2.66	0.00
23.15	5.76	2.61	1.56	25.75	5.81	2.66	0.00
23.20	5.76	2.62	1.55	25.80	5.81	2.66	0.00
23.25	5.76	2.62	1.55	25.85	5.81	2.66	0.00
23.30	5.77	2.62	1.54	25.90	5.81	2.66	0.00
23.35	5.77	2.62	1.53	25.95	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.66	0.00	28.60	5.81	2.66	0.00
26.05	5.81	2.66	0.00	28.65	5.81	2.66	0.00
26.10	5.81	2.66	0.00	28.70	5.81	2.66	0.00
26.15	5.81	2.66	0.00	28.75	5.81	2.66	0.00
26.20	5.81	2.66	0.00	28.80	5.81	2.66	0.00
26.25	5.81	2.66	0.00	28.85	5.81	2.66	0.00
26.30	5.81	2.66	0.00	28.90	5.81	2.66	0.00
26.35	5.81	2.66	0.00	28.95	5.81	2.66	0.00
26.40	5.81	2.66	0.00	29.00	5.81	2.66	0.00
26.45	5.81	2.66	0.00	29.05	5.81	2.66	0.00
26.50	5.81	2.66	0.00	29.10	5.81	2.66	0.00
26.55	5.81	2.66	0.00	29.15	5.81	2.66	0.00
26.60	5.81	2.66	0.00	29.20	5.81	2.66	0.00
26.65	5.81	2.66	0.00	29.25	5.81	2.66	0.00
26.70	5.81	2.66	0.00	29.30	5.81	2.66	0.00
26.75	5.81	2.66	0.00	29.35	5.81	2.66	0.00
26.80	5.81	2.66	0.00	29.40	5.81	2.66	0.00
26.85	5.81	2.66	0.00	29.45	5.81	2.66	0.00
26.90	5.81	2.66	0.00	29.50	5.81	2.66	0.00
26.95	5.81	2.66	0.00	29.55	5.81	2.66	0.00
27.00	5.81	2.66	0.00	29.60	5.81	2.66	0.00
27.05	5.81	2.66	0.00	29.65	5.81	2.66	0.00
27.10	5.81	2.66	0.00	29.70	5.81	2.66	0.00
27.15	5.81	2.66	0.00	29.75	5.81	2.66	0.00
27.20	5.81	2.66	0.00	29.80	5.81	2.66	0.00
27.25	5.81	2.66	0.00	29.85	5.81	2.66	0.00
27.30	5.81	2.66	0.00	29.90	5.81	2.66	0.00
27.35	5.81	2.66	0.00	29.95	5.81	2.66	0.00
27.40	5.81	2.66	0.00	30.00	5.81	2.66	0.00
27.45	5.81	2.66	0.00	30.05	5.81	2.66	0.00
27.50	5.81	2.66	0.00	30.10	5.81	2.66	0.00
27.55	5.81	2.66	0.00	30.15	5.81	2.66	0.00
27.60	5.81	2.66	0.00	30.20	5.81	2.66	0.00
27.65	5.81	2.66	0.00	30.25	5.81	2.66	0.00
27.70	5.81	2.66	0.00	30.30	5.81	2.66	0.00
27.75	5.81	2.66	0.00	30.35	5.81	2.66	0.00
27.80	5.81	2.66	0.00	30.40	5.81	2.66	0.00
27.85	5.81	2.66	0.00	30.45	5.81	2.66	0.00
27.90	5.81	2.66	0.00	30.50	5.81	2.66	0.00
27.95	5.81	2.66	0.00	30.55	5.81	2.66	0.00
28.00	5.81	2.66	0.00	30.60	5.81	2.66	0.00
28.05	5.81	2.66	0.00	30.65	5.81	2.66	0.00
28.10	5.81	2.66	0.00	30.70	5.81	2.66	0.00
28.15	5.81	2.66	0.00	30.75	5.81	2.66	0.00
28.20	5.81	2.66	0.00	30.80	5.81	2.66	0.00
28.25	5.81	2.66	0.00	30.85	5.81	2.66	0.00
28.30	5.81	2.66	0.00	30.90	5.81	2.66	0.00
28.35	5.81	2.66	0.00	30.95	5.81	2.66	0.00
28.40	5.81	2.66	0.00	31.00	5.81	2.66	0.00
28.45	5.81	2.66	0.00	31.05	5.81	2.66	0.00
28.50	5.81	2.66	0.00	31.10	5.81	2.66	0.00
28.55	5.81	2.66	0.00	31.15	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.66	0.00	33.80	5.81	2.66	0.00
31.25	5.81	2.66	0.00	33.85	5.81	2.66	0.00
31.30	5.81	2.66	0.00	33.90	5.81	2.66	0.00
31.35	5.81	2.66	0.00	33.95	5.81	2.66	0.00
31.40	5.81	2.66	0.00	34.00	5.81	2.66	0.00
31.45	5.81	2.66	0.00	34.05	5.81	2.66	0.00
31.50	5.81	2.66	0.00	34.10	5.81	2.66	0.00
31.55	5.81	2.66	0.00	34.15	5.81	2.66	0.00
31.60	5.81	2.66	0.00	34.20	5.81	2.66	0.00
31.65	5.81	2.66	0.00	34.25	5.81	2.66	0.00
31.70	5.81	2.66	0.00	34.30	5.81	2.66	0.00
31.75	5.81	2.66	0.00	34.35	5.81	2.66	0.00
31.80	5.81	2.66	0.00	34.40	5.81	2.66	0.00
31.85	5.81	2.66	0.00	34.45	5.81	2.66	0.00
31.90	5.81	2.66	0.00	34.50	5.81	2.66	0.00
31.95	5.81	2.66	0.00	34.55	5.81	2.66	0.00
32.00	5.81	2.66	0.00	34.60	5.81	2.66	0.00
32.05	5.81	2.66	0.00	34.65	5.81	2.66	0.00
32.10	5.81	2.66	0.00	34.70	5.81	2.66	0.00
32.15	5.81	2.66	0.00	34.75	5.81	2.66	0.00
32.20	5.81	2.66	0.00	34.80	5.81	2.66	0.00
32.25	5.81	2.66	0.00	34.85	5.81	2.66	0.00
32.30	5.81	2.66	0.00	34.90	5.81	2.66	0.00
32.35	5.81	2.66	0.00	34.95	5.81	2.66	0.00
32.40	5.81	2.66	0.00	35.00	5.81	2.66	0.00
32.45	5.81	2.66	0.00	35.05	5.81	2.66	0.00
32.50	5.81	2.66	0.00	35.10	5.81	2.66	0.00
32.55	5.81	2.66	0.00	35.15	5.81	2.66	0.00
32.60	5.81	2.66	0.00	35.20	5.81	2.66	0.00
32.65	5.81	2.66	0.00	35.25	5.81	2.66	0.00
32.70	5.81	2.66	0.00	35.30	5.81	2.66	0.00
32.75	5.81	2.66	0.00	35.35	5.81	2.66	0.00
32.80	5.81	2.66	0.00	35.40	5.81	2.66	0.00
32.85	5.81	2.66	0.00	35.45	5.81	2.66	0.00
32.90	5.81	2.66	0.00	35.50	5.81	2.66	0.00
32.95	5.81	2.66	0.00	35.55	5.81	2.66	0.00
33.00	5.81	2.66	0.00	35.60	5.81	2.66	0.00
33.05	5.81	2.66	0.00	35.65	5.81	2.66	0.00
33.10	5.81	2.66	0.00	35.70	5.81	2.66	0.00
33.15	5.81	2.66	0.00	35.75	5.81	2.66	0.00
33.20	5.81	2.66	0.00	35.80	5.81	2.66	0.00
33.25	5.81	2.66	0.00	35.85	5.81	2.66	0.00
33.30	5.81	2.66	0.00	35.90	5.81	2.66	0.00
33.35	5.81	2.66	0.00	35.95	5.81	2.66	0.00
33.40	5.81	2.66	0.00	36.00	5.81	2.66	0.00
33.45	5.81	2.66	0.00	36.05	5.81	2.66	0.00
33.50	5.81	2.66	0.00	36.10	5.81	2.66	0.00
33.55	5.81	2.66	0.00	36.15	5.81	2.66	0.00
33.60	5.81	2.66	0.00	36.20	5.81	2.66	0.00
33.65	5.81	2.66	0.00	36.25	5.81	2.66	0.00
33.70	5.81	2.66	0.00	36.30	5.81	2.66	0.00
33.75	5.81	2.66	0.00	36.35	5.81	2.66	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

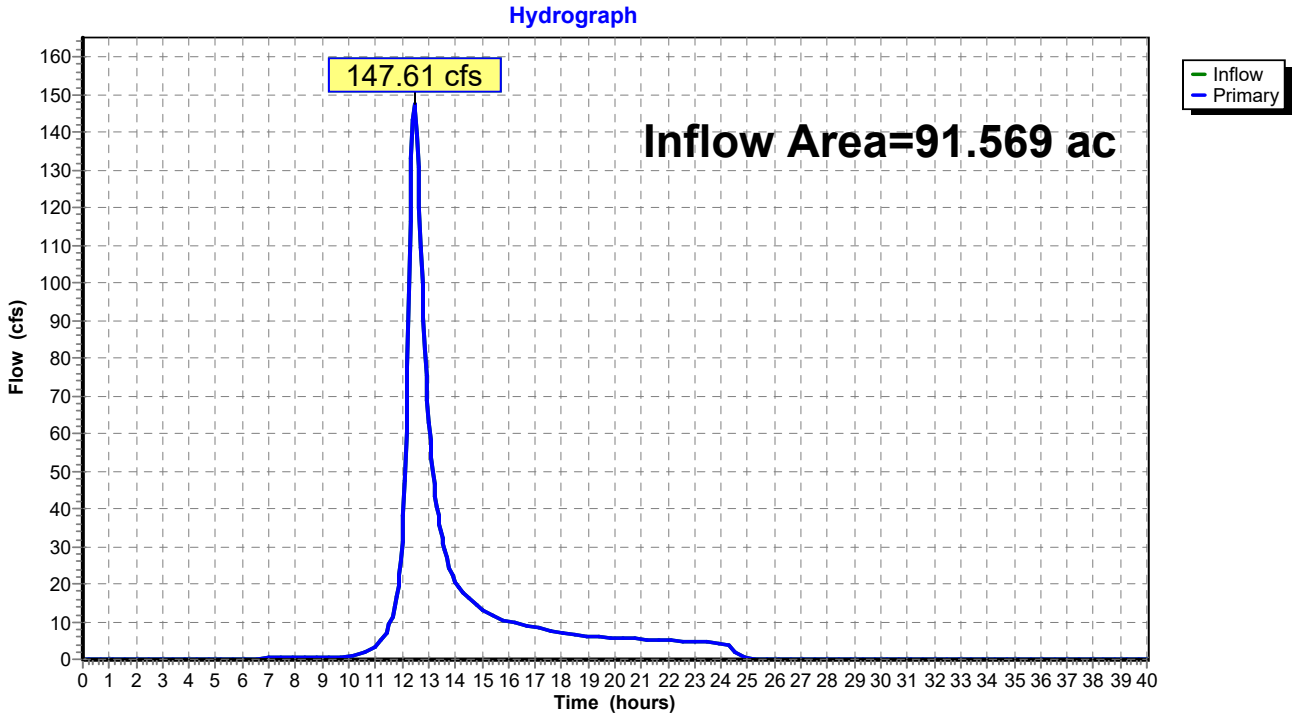
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.66	0.00
36.45	5.81	2.66	0.00
36.50	5.81	2.66	0.00
36.55	5.81	2.66	0.00
36.60	5.81	2.66	0.00
36.65	5.81	2.66	0.00
36.70	5.81	2.66	0.00
36.75	5.81	2.66	0.00
36.80	5.81	2.66	0.00
36.85	5.81	2.66	0.00
36.90	5.81	2.66	0.00
36.95	5.81	2.66	0.00
37.00	5.81	2.66	0.00
37.05	5.81	2.66	0.00
37.10	5.81	2.66	0.00
37.15	5.81	2.66	0.00
37.20	5.81	2.66	0.00
37.25	5.81	2.66	0.00
37.30	5.81	2.66	0.00
37.35	5.81	2.66	0.00
37.40	5.81	2.66	0.00
37.45	5.81	2.66	0.00
37.50	5.81	2.66	0.00
37.55	5.81	2.66	0.00
37.60	5.81	2.66	0.00
37.65	5.81	2.66	0.00
37.70	5.81	2.66	0.00
37.75	5.81	2.66	0.00
37.80	5.81	2.66	0.00
37.85	5.81	2.66	0.00
37.90	5.81	2.66	0.00
37.95	5.81	2.66	0.00
38.00	5.81	2.66	0.00
38.05	5.81	2.66	0.00
38.10	5.81	2.66	0.00
38.15	5.81	2.66	0.00
38.20	5.81	2.66	0.00
38.25	5.81	2.66	0.00
38.30	5.81	2.66	0.00
38.35	5.81	2.66	0.00
38.40	5.81	2.66	0.00
38.45	5.81	2.66	0.00
38.50	5.81	2.66	0.00
38.55	5.81	2.66	0.00
38.60	5.81	2.66	0.00
38.65	5.81	2.66	0.00
38.70	5.81	2.66	0.00
38.75	5.81	2.66	0.00
38.80	5.81	2.66	0.00
38.85	5.81	2.66	0.00
38.90	5.81	2.66	0.00
38.95	5.81	2.66	0.00
39.00	5.81	2.66	0.00
39.05	5.81	2.66	0.00
39.10	5.81	2.66	0.00
39.15	5.81	2.66	0.00
39.20	5.81	2.66	0.00
39.25	5.81	2.66	0.00
39.30	5.81	2.66	0.00
39.35	5.81	2.66	0.00
39.40	5.81	2.66	0.00
39.45	5.81	2.66	0.00
39.50	5.81	2.66	0.00
39.55	5.81	2.66	0.00
39.60	5.81	2.66	0.00
39.65	5.81	2.66	0.00
39.70	5.81	2.66	0.00
39.75	5.81	2.66	0.00
39.80	5.81	2.66	0.00
39.85	5.81	2.66	0.00
39.90	5.81	2.66	0.00
39.95	5.81	2.66	0.00
40.00	5.81	2.66	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 2.46" for Future 10 yr event
Inflow = 147.61 cfs @ 12.46 hrs, Volume= 18.790 af
Primary = 147.61 cfs @ 12.46 hrs, Volume= 18.790 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.05	0.00	0.05
1.30	0.00	0.00	0.00	3.90	0.05	0.00	0.05
1.35	0.00	0.00	0.00	3.95	0.05	0.00	0.05
1.40	0.00	0.00	0.00	4.00	0.06	0.00	0.06
1.45	0.00	0.00	0.00	4.05	0.06	0.00	0.06
1.50	0.00	0.00	0.00	4.10	0.06	0.00	0.06
1.55	0.00	0.00	0.00	4.15	0.07	0.00	0.07
1.60	0.00	0.00	0.00	4.20	0.07	0.00	0.07
1.65	0.00	0.00	0.00	4.25	0.07	0.00	0.07
1.70	0.00	0.00	0.00	4.30	0.07	0.00	0.07
1.75	0.00	0.00	0.00	4.35	0.08	0.00	0.08
1.80	0.00	0.00	0.00	4.40	0.08	0.00	0.08
1.85	0.00	0.00	0.00	4.45	0.08	0.00	0.08
1.90	0.00	0.00	0.00	4.50	0.09	0.00	0.09
1.95	0.00	0.00	0.00	4.55	0.09	0.00	0.09
2.00	0.00	0.00	0.00	4.60	0.09	0.00	0.09
2.05	0.00	0.00	0.00	4.65	0.10	0.00	0.10
2.10	0.00	0.00	0.00	4.70	0.10	0.00	0.10
2.15	0.00	0.00	0.00	4.75	0.10	0.00	0.10
2.20	0.00	0.00	0.00	4.80	0.10	0.00	0.10
2.25	0.00	0.00	0.00	4.85	0.11	0.00	0.11
2.30	0.00	0.00	0.00	4.90	0.11	0.00	0.11
2.35	0.00	0.00	0.00	4.95	0.11	0.00	0.11
2.40	0.00	0.00	0.00	5.00	0.12	0.00	0.12
2.45	0.00	0.00	0.00	5.05	0.12	0.00	0.12
2.50	0.00	0.00	0.00	5.10	0.12	0.00	0.12
2.55	0.00	0.00	0.00	5.15	0.13	0.00	0.13

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.13	0.00	0.13	7.80	0.34	0.00	0.34
5.25	0.13	0.00	0.13	7.85	0.35	0.00	0.35
5.30	0.13	0.00	0.13	7.90	0.35	0.00	0.35
5.35	0.14	0.00	0.14	7.95	0.36	0.00	0.36
5.40	0.14	0.00	0.14	8.00	0.37	0.00	0.37
5.45	0.14	0.00	0.14	8.05	0.37	0.00	0.37
5.50	0.15	0.00	0.15	8.10	0.38	0.00	0.38
5.55	0.15	0.00	0.15	8.15	0.38	0.00	0.38
5.60	0.15	0.00	0.15	8.20	0.39	0.00	0.39
5.65	0.15	0.00	0.15	8.25	0.40	0.00	0.40
5.70	0.16	0.00	0.16	8.30	0.40	0.00	0.40
5.75	0.16	0.00	0.16	8.35	0.41	0.00	0.41
5.80	0.16	0.00	0.16	8.40	0.41	0.00	0.41
5.85	0.17	0.00	0.17	8.45	0.42	0.00	0.42
5.90	0.17	0.00	0.17	8.50	0.43	0.00	0.43
5.95	0.17	0.00	0.17	8.55	0.43	0.00	0.43
6.00	0.17	0.00	0.17	8.60	0.44	0.00	0.44
6.05	0.18	0.00	0.18	8.65	0.44	0.00	0.44
6.10	0.18	0.00	0.18	8.70	0.45	0.00	0.45
6.15	0.18	0.00	0.18	8.75	0.46	0.00	0.46
6.20	0.19	0.00	0.19	8.80	0.46	0.00	0.46
6.25	0.19	0.00	0.19	8.85	0.47	0.00	0.47
6.30	0.19	0.00	0.19	8.90	0.48	0.00	0.48
6.35	0.20	0.00	0.20	8.95	0.48	0.00	0.48
6.40	0.20	0.00	0.20	9.00	0.49	0.00	0.49
6.45	0.20	0.00	0.20	9.05	0.50	0.00	0.50
6.50	0.21	0.00	0.21	9.10	0.50	0.00	0.50
6.55	0.21	0.00	0.21	9.15	0.51	0.00	0.51
6.60	0.22	0.00	0.22	9.20	0.52	0.00	0.52
6.65	0.22	0.00	0.22	9.25	0.53	0.00	0.53
6.70	0.22	0.00	0.22	9.30	0.53	0.00	0.53
6.75	0.23	0.00	0.23	9.35	0.55	0.00	0.55
6.80	0.23	0.00	0.23	9.40	0.56	0.00	0.56
6.85	0.24	0.00	0.24	9.45	0.57	0.00	0.57
6.90	0.24	0.00	0.24	9.50	0.58	0.00	0.58
6.95	0.25	0.00	0.25	9.55	0.60	0.00	0.60
7.00	0.25	0.00	0.25	9.60	0.61	0.00	0.61
7.05	0.26	0.00	0.26	9.65	0.63	0.00	0.63
7.10	0.26	0.00	0.26	9.70	0.65	0.00	0.65
7.15	0.27	0.00	0.27	9.75	0.66	0.00	0.66
7.20	0.27	0.00	0.27	9.80	0.68	0.00	0.68
7.25	0.28	0.00	0.28	9.85	0.70	0.00	0.70
7.30	0.29	0.00	0.29	9.90	0.72	0.00	0.72
7.35	0.29	0.00	0.29	9.95	0.74	0.00	0.74
7.40	0.30	0.00	0.30	10.00	0.77	0.00	0.77
7.45	0.30	0.00	0.30	10.05	0.79	0.00	0.79
7.50	0.31	0.00	0.31	10.10	0.83	0.00	0.83
7.55	0.31	0.00	0.31	10.15	0.87	0.00	0.87
7.60	0.32	0.00	0.32	10.20	0.92	0.00	0.92
7.65	0.32	0.00	0.32	10.25	0.98	0.00	0.98
7.70	0.33	0.00	0.33	10.30	1.06	0.00	1.06
7.75	0.34	0.00	0.34	10.35	1.14	0.00	1.14

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.24	0.00	1.24	13.00	63.06	0.00	63.06
10.45	1.35	0.00	1.35	13.05	58.00	0.00	58.00
10.50	1.46	0.00	1.46	13.10	53.60	0.00	53.60
10.55	1.59	0.00	1.59	13.15	49.79	0.00	49.79
10.60	1.72	0.00	1.72	13.20	46.42	0.00	46.42
10.65	1.87	0.00	1.87	13.25	43.40	0.00	43.40
10.70	2.02	0.00	2.02	13.30	40.70	0.00	40.70
10.75	2.20	0.00	2.20	13.35	38.26	0.00	38.26
10.80	2.39	0.00	2.39	13.40	36.02	0.00	36.02
10.85	2.61	0.00	2.61	13.45	34.01	0.00	34.01
10.90	2.86	0.00	2.86	13.50	32.21	0.00	32.21
10.95	3.13	0.00	3.13	13.55	30.55	0.00	30.55
11.00	3.43	0.00	3.43	13.60	29.02	0.00	29.02
11.05	3.75	0.00	3.75	13.65	27.61	0.00	27.61
11.10	4.11	0.00	4.11	13.70	26.27	0.00	26.27
11.15	4.50	0.00	4.50	13.75	25.00	0.00	25.00
11.20	4.93	0.00	4.93	13.80	23.83	0.00	23.83
11.25	5.41	0.00	5.41	13.85	22.77	0.00	22.77
11.30	5.94	0.00	5.94	13.90	21.82	0.00	21.82
11.35	6.54	0.00	6.54	13.95	20.99	0.00	20.99
11.40	7.19	0.00	7.19	14.00	20.28	0.00	20.28
11.45	7.92	0.00	7.92	14.05	19.65	0.00	19.65
11.50	8.72	0.00	8.72	14.10	19.09	0.00	19.09
11.55	9.58	0.00	9.58	14.15	18.60	0.00	18.60
11.60	10.56	0.00	10.56	14.20	18.18	0.00	18.18
11.65	11.71	0.00	11.71	14.25	17.78	0.00	17.78
11.70	13.08	0.00	13.08	14.30	17.41	0.00	17.41
11.75	14.76	0.00	14.76	14.35	17.08	0.00	17.08
11.80	16.84	0.00	16.84	14.40	16.76	0.00	16.76
11.85	19.34	0.00	19.34	14.45	16.44	0.00	16.44
11.90	22.41	0.00	22.41	14.50	16.15	0.00	16.15
11.95	26.23	0.00	26.23	14.55	15.86	0.00	15.86
12.00	31.21	0.00	31.21	14.60	15.58	0.00	15.58
12.05	37.97	0.00	37.97	14.65	15.29	0.00	15.29
12.10	47.42	0.00	47.42	14.70	15.02	0.00	15.02
12.15	60.58	0.00	60.58	14.75	14.75	0.00	14.75
12.20	77.59	0.00	77.59	14.80	14.48	0.00	14.48
12.25	97.09	0.00	97.09	14.85	14.21	0.00	14.21
12.30	116.65	0.00	116.65	14.90	13.95	0.00	13.95
12.35	133.08	0.00	133.08	14.95	13.68	0.00	13.68
12.40	143.33	0.00	143.33	15.00	13.41	0.00	13.41
12.45	**147.46**	0.00	**147.46**	15.05	13.15	0.00	13.15
12.50	145.91	0.00	145.91	15.10	12.88	0.00	12.88
12.55	139.83	0.00	139.83	15.15	12.61	0.00	12.61
12.60	130.81	0.00	130.81	15.20	12.35	0.00	12.35
12.65	120.22	0.00	120.22	15.25	12.09	0.00	12.09
12.70	109.38	0.00	109.38	15.30	11.83	0.00	11.83
12.75	99.59	0.00	99.59	15.35	11.59	0.00	11.59
12.80	90.72	0.00	90.72	15.40	11.38	0.00	11.38
12.85	82.64	0.00	82.64	15.45	11.17	0.00	11.17
12.90	75.30	0.00	75.30	15.50	10.99	0.00	10.99
12.95	68.76	0.00	68.76	15.55	10.84	0.00	10.84

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	10.70	0.00	10.70	18.20	6.75	0.00	6.75
15.65	10.57	0.00	10.57	18.25	6.68	0.00	6.68
15.70	10.46	0.00	10.46	18.30	6.61	0.00	6.61
15.75	10.36	0.00	10.36	18.35	6.55	0.00	6.55
15.80	10.27	0.00	10.27	18.40	6.48	0.00	6.48
15.85	10.17	0.00	10.17	18.45	6.43	0.00	6.43
15.90	10.09	0.00	10.09	18.50	6.38	0.00	6.38
15.95	10.01	0.00	10.01	18.55	6.34	0.00	6.34
16.00	9.93	0.00	9.93	18.60	6.30	0.00	6.30
16.05	9.85	0.00	9.85	18.65	6.27	0.00	6.27
16.10	9.78	0.00	9.78	18.70	6.24	0.00	6.24
16.15	9.70	0.00	9.70	18.75	6.21	0.00	6.21
16.20	9.63	0.00	9.63	18.80	6.19	0.00	6.19
16.25	9.56	0.00	9.56	18.85	6.16	0.00	6.16
16.30	9.49	0.00	9.49	18.90	6.14	0.00	6.14
16.35	9.41	0.00	9.41	18.95	6.12	0.00	6.12
16.40	9.35	0.00	9.35	19.00	6.10	0.00	6.10
16.45	9.28	0.00	9.28	19.05	6.08	0.00	6.08
16.50	9.20	0.00	9.20	19.10	6.06	0.00	6.06
16.55	9.13	0.00	9.13	19.15	6.04	0.00	6.04
16.60	9.06	0.00	9.06	19.20	6.02	0.00	6.02
16.65	8.99	0.00	8.99	19.25	6.00	0.00	6.00
16.70	8.92	0.00	8.92	19.30	5.98	0.00	5.98
16.75	8.85	0.00	8.85	19.35	5.97	0.00	5.97
16.80	8.78	0.00	8.78	19.40	5.95	0.00	5.95
16.85	8.71	0.00	8.71	19.45	5.93	0.00	5.93
16.90	8.64	0.00	8.64	19.50	5.91	0.00	5.91
16.95	8.57	0.00	8.57	19.55	5.90	0.00	5.90
17.00	8.50	0.00	8.50	19.60	5.88	0.00	5.88
17.05	8.42	0.00	8.42	19.65	5.86	0.00	5.86
17.10	8.35	0.00	8.35	19.70	5.84	0.00	5.84
17.15	8.28	0.00	8.28	19.75	5.83	0.00	5.83
17.20	8.21	0.00	8.21	19.80	5.81	0.00	5.81
17.25	8.14	0.00	8.14	19.85	5.79	0.00	5.79
17.30	8.07	0.00	8.07	19.90	5.78	0.00	5.78
17.35	8.00	0.00	8.00	19.95	5.76	0.00	5.76
17.40	7.92	0.00	7.92	20.00	5.74	0.00	5.74
17.45	7.85	0.00	7.85	20.05	5.73	0.00	5.73
17.50	7.78	0.00	7.78	20.10	5.71	0.00	5.71
17.55	7.70	0.00	7.70	20.15	5.69	0.00	5.69
17.60	7.63	0.00	7.63	20.20	5.67	0.00	5.67
17.65	7.56	0.00	7.56	20.25	5.66	0.00	5.66
17.70	7.49	0.00	7.49	20.30	5.64	0.00	5.64
17.75	7.41	0.00	7.41	20.35	5.62	0.00	5.62
17.80	7.34	0.00	7.34	20.40	5.60	0.00	5.60
17.85	7.27	0.00	7.27	20.45	5.58	0.00	5.58
17.90	7.19	0.00	7.19	20.50	5.56	0.00	5.56
17.95	7.12	0.00	7.12	20.55	5.54	0.00	5.54
18.00	7.05	0.00	7.05	20.60	5.53	0.00	5.53
18.05	6.97	0.00	6.97	20.65	5.51	0.00	5.51
18.10	6.90	0.00	6.90	20.70	5.49	0.00	5.49
18.15	6.83	0.00	6.83	20.75	5.48	0.00	5.48

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.46	0.00	5.46	23.40	4.50	0.00	4.50
20.85	5.44	0.00	5.44	23.45	4.48	0.00	4.48
20.90	5.42	0.00	5.42	23.50	4.46	0.00	4.46
20.95	5.41	0.00	5.41	23.55	4.44	0.00	4.44
21.00	5.39	0.00	5.39	23.60	4.42	0.00	4.42
21.05	5.37	0.00	5.37	23.65	4.41	0.00	4.41
21.10	5.35	0.00	5.35	23.70	4.39	0.00	4.39
21.15	5.33	0.00	5.33	23.75	4.37	0.00	4.37
21.20	5.31	0.00	5.31	23.80	4.35	0.00	4.35
21.25	5.29	0.00	5.29	23.85	4.33	0.00	4.33
21.30	5.27	0.00	5.27	23.90	4.31	0.00	4.31
21.35	5.25	0.00	5.25	23.95	4.29	0.00	4.29
21.40	5.24	0.00	5.24	24.00	4.28	0.00	4.28
21.45	5.22	0.00	5.22	24.05	4.27	0.00	4.27
21.50	5.20	0.00	5.20	24.10	4.26	0.00	4.26
21.55	5.19	0.00	5.19	24.15	4.21	0.00	4.21
21.60	5.17	0.00	5.17	24.20	4.10	0.00	4.10
21.65	5.15	0.00	5.15	24.25	3.89	0.00	3.89
21.70	5.13	0.00	5.13	24.30	3.56	0.00	3.56
21.75	5.11	0.00	5.11	24.35	3.15	0.00	3.15
21.80	5.10	0.00	5.10	24.40	2.70	0.00	2.70
21.85	5.07	0.00	5.07	24.45	2.25	0.00	2.25
21.90	5.06	0.00	5.06	24.50	1.83	0.00	1.83
21.95	5.04	0.00	5.04	24.55	1.45	0.00	1.45
22.00	5.02	0.00	5.02	24.60	1.14	0.00	1.14
22.05	5.00	0.00	5.00	24.65	0.90	0.00	0.90
22.10	4.99	0.00	4.99	24.70	0.71	0.00	0.71
22.15	4.97	0.00	4.97	24.75	0.57	0.00	0.57
22.20	4.95	0.00	4.95	24.80	0.45	0.00	0.45
22.25	4.93	0.00	4.93	24.85	0.35	0.00	0.35
22.30	4.91	0.00	4.91	24.90	0.28	0.00	0.28
22.35	4.89	0.00	4.89	24.95	0.22	0.00	0.22
22.40	4.87	0.00	4.87	25.00	0.17	0.00	0.17
22.45	4.86	0.00	4.86	25.05	0.14	0.00	0.14
22.50	4.84	0.00	4.84	25.10	0.11	0.00	0.11
22.55	4.82	0.00	4.82	25.15	0.08	0.00	0.08
22.60	4.80	0.00	4.80	25.20	0.07	0.00	0.07
22.65	4.78	0.00	4.78	25.25	0.05	0.00	0.05
22.70	4.76	0.00	4.76	25.30	0.04	0.00	0.04
22.75	4.74	0.00	4.74	25.35	0.03	0.00	0.03
22.80	4.73	0.00	4.73	25.40	0.02	0.00	0.02
22.85	4.71	0.00	4.71	25.45	0.02	0.00	0.02
22.90	4.69	0.00	4.69	25.50	0.01	0.00	0.01
22.95	4.67	0.00	4.67	25.55	0.01	0.00	0.01
23.00	4.65	0.00	4.65	25.60	0.01	0.00	0.01
23.05	4.63	0.00	4.63	25.65	0.00	0.00	0.00
23.10	4.61	0.00	4.61	25.70	0.00	0.00	0.00
23.15	4.59	0.00	4.59	25.75	0.00	0.00	0.00
23.20	4.58	0.00	4.58	25.80	0.00	0.00	0.00
23.25	4.56	0.00	4.56	25.85	0.00	0.00	0.00
23.30	4.54	0.00	4.54	25.90	0.00	0.00	0.00
23.35	4.52	0.00	4.52	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

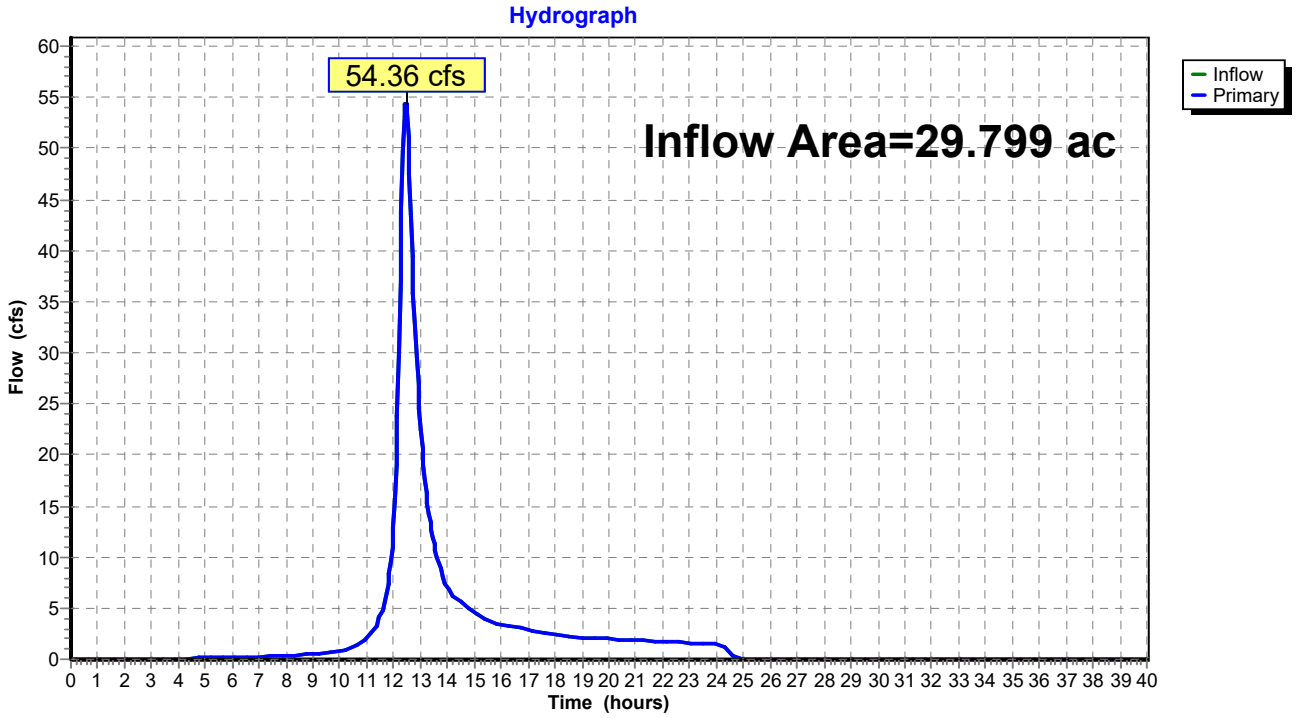
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.80" for Future 10 yr event
Inflow = 54.36 cfs @ 12.45 hrs, Volume= 6.949 af
Primary = 54.36 cfs @ 12.45 hrs, Volume= 6.949 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.05	0.00	0.05
1.30	0.00	0.00	0.00	3.90	0.05	0.00	0.05
1.35	0.00	0.00	0.00	3.95	0.05	0.00	0.05
1.40	0.00	0.00	0.00	4.00	0.06	0.00	0.06
1.45	0.00	0.00	0.00	4.05	0.06	0.00	0.06
1.50	0.00	0.00	0.00	4.10	0.06	0.00	0.06
1.55	0.00	0.00	0.00	4.15	0.07	0.00	0.07
1.60	0.00	0.00	0.00	4.20	0.07	0.00	0.07
1.65	0.00	0.00	0.00	4.25	0.07	0.00	0.07
1.70	0.00	0.00	0.00	4.30	0.07	0.00	0.07
1.75	0.00	0.00	0.00	4.35	0.08	0.00	0.08
1.80	0.00	0.00	0.00	4.40	0.08	0.00	0.08
1.85	0.00	0.00	0.00	4.45	0.08	0.00	0.08
1.90	0.00	0.00	0.00	4.50	0.09	0.00	0.09
1.95	0.00	0.00	0.00	4.55	0.09	0.00	0.09
2.00	0.00	0.00	0.00	4.60	0.09	0.00	0.09
2.05	0.00	0.00	0.00	4.65	0.10	0.00	0.10
2.10	0.00	0.00	0.00	4.70	0.10	0.00	0.10
2.15	0.00	0.00	0.00	4.75	0.10	0.00	0.10
2.20	0.00	0.00	0.00	4.80	0.10	0.00	0.10
2.25	0.00	0.00	0.00	4.85	0.11	0.00	0.11
2.30	0.00	0.00	0.00	4.90	0.11	0.00	0.11
2.35	0.00	0.00	0.00	4.95	0.11	0.00	0.11
2.40	0.00	0.00	0.00	5.00	0.12	0.00	0.12
2.45	0.00	0.00	0.00	5.05	0.12	0.00	0.12
2.50	0.00	0.00	0.00	5.10	0.12	0.00	0.12
2.55	0.00	0.00	0.00	5.15	0.13	0.00	0.13

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.13	0.00	0.13	7.80	0.34	0.00	0.34
5.25	0.13	0.00	0.13	7.85	0.35	0.00	0.35
5.30	0.13	0.00	0.13	7.90	0.35	0.00	0.35
5.35	0.14	0.00	0.14	7.95	0.36	0.00	0.36
5.40	0.14	0.00	0.14	8.00	0.37	0.00	0.37
5.45	0.14	0.00	0.14	8.05	0.37	0.00	0.37
5.50	0.15	0.00	0.15	8.10	0.38	0.00	0.38
5.55	0.15	0.00	0.15	8.15	0.38	0.00	0.38
5.60	0.15	0.00	0.15	8.20	0.39	0.00	0.39
5.65	0.15	0.00	0.15	8.25	0.40	0.00	0.40
5.70	0.16	0.00	0.16	8.30	0.40	0.00	0.40
5.75	0.16	0.00	0.16	8.35	0.41	0.00	0.41
5.80	0.16	0.00	0.16	8.40	0.41	0.00	0.41
5.85	0.17	0.00	0.17	8.45	0.42	0.00	0.42
5.90	0.17	0.00	0.17	8.50	0.43	0.00	0.43
5.95	0.17	0.00	0.17	8.55	0.43	0.00	0.43
6.00	0.17	0.00	0.17	8.60	0.44	0.00	0.44
6.05	0.18	0.00	0.18	8.65	0.44	0.00	0.44
6.10	0.18	0.00	0.18	8.70	0.45	0.00	0.45
6.15	0.18	0.00	0.18	8.75	0.46	0.00	0.46
6.20	0.19	0.00	0.19	8.80	0.46	0.00	0.46
6.25	0.19	0.00	0.19	8.85	0.47	0.00	0.47
6.30	0.19	0.00	0.19	8.90	0.48	0.00	0.48
6.35	0.20	0.00	0.20	8.95	0.48	0.00	0.48
6.40	0.20	0.00	0.20	9.00	0.49	0.00	0.49
6.45	0.20	0.00	0.20	9.05	0.50	0.00	0.50
6.50	0.21	0.00	0.21	9.10	0.50	0.00	0.50
6.55	0.21	0.00	0.21	9.15	0.51	0.00	0.51
6.60	0.22	0.00	0.22	9.20	0.52	0.00	0.52
6.65	0.22	0.00	0.22	9.25	0.53	0.00	0.53
6.70	0.22	0.00	0.22	9.30	0.53	0.00	0.53
6.75	0.23	0.00	0.23	9.35	0.55	0.00	0.55
6.80	0.23	0.00	0.23	9.40	0.56	0.00	0.56
6.85	0.24	0.00	0.24	9.45	0.57	0.00	0.57
6.90	0.24	0.00	0.24	9.50	0.58	0.00	0.58
6.95	0.25	0.00	0.25	9.55	0.60	0.00	0.60
7.00	0.25	0.00	0.25	9.60	0.61	0.00	0.61
7.05	0.26	0.00	0.26	9.65	0.63	0.00	0.63
7.10	0.26	0.00	0.26	9.70	0.65	0.00	0.65
7.15	0.27	0.00	0.27	9.75	0.66	0.00	0.66
7.20	0.27	0.00	0.27	9.80	0.68	0.00	0.68
7.25	0.28	0.00	0.28	9.85	0.70	0.00	0.70
7.30	0.29	0.00	0.29	9.90	0.72	0.00	0.72
7.35	0.29	0.00	0.29	9.95	0.74	0.00	0.74
7.40	0.30	0.00	0.30	10.00	0.76	0.00	0.76
7.45	0.30	0.00	0.30	10.05	0.79	0.00	0.79
7.50	0.31	0.00	0.31	10.10	0.82	0.00	0.82
7.55	0.31	0.00	0.31	10.15	0.85	0.00	0.85
7.60	0.32	0.00	0.32	10.20	0.89	0.00	0.89
7.65	0.32	0.00	0.32	10.25	0.93	0.00	0.93
7.70	0.33	0.00	0.33	10.30	0.98	0.00	0.98
7.75	0.34	0.00	0.34	10.35	1.02	0.00	1.02

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.07	0.00	1.07	13.00	22.39	0.00	22.39
10.45	1.12	0.00	1.12	13.05	20.55	0.00	20.55
10.50	1.17	0.00	1.17	13.10	18.96	0.00	18.96
10.55	1.23	0.00	1.23	13.15	17.58	0.00	17.58
10.60	1.29	0.00	1.29	13.20	16.36	0.00	16.36
10.65	1.35	0.00	1.35	13.25	15.27	0.00	15.27
10.70	1.41	0.00	1.41	13.30	14.30	0.00	14.30
10.75	1.49	0.00	1.49	13.35	13.42	0.00	13.42
10.80	1.57	0.00	1.57	13.40	12.62	0.00	12.62
10.85	1.67	0.00	1.67	13.45	11.90	0.00	11.90
10.90	1.77	0.00	1.77	13.50	11.26	0.00	11.26
10.95	1.89	0.00	1.89	13.55	10.67	0.00	10.67
11.00	2.02	0.00	2.02	13.60	10.13	0.00	10.13
11.05	2.16	0.00	2.16	13.65	9.63	0.00	9.63
11.10	2.31	0.00	2.31	13.70	9.15	0.00	9.15
11.15	2.48	0.00	2.48	13.75	8.70	0.00	8.70
11.20	2.66	0.00	2.66	13.80	8.29	0.00	8.29
11.25	2.86	0.00	2.86	13.85	7.92	0.00	7.92
11.30	3.08	0.00	3.08	13.90	7.58	0.00	7.58
11.35	3.32	0.00	3.32	13.95	7.29	0.00	7.29
11.40	3.59	0.00	3.59	14.00	7.04	0.00	7.04
11.45	3.89	0.00	3.89	14.05	6.82	0.00	6.82
11.50	4.21	0.00	4.21	14.10	6.63	0.00	6.63
11.55	4.56	0.00	4.56	14.15	6.45	0.00	6.45
11.60	4.94	0.00	4.94	14.20	6.30	0.00	6.30
11.65	5.40	0.00	5.40	14.25	6.16	0.00	6.16
11.70	5.93	0.00	5.93	14.30	6.03	0.00	6.03
11.75	6.59	0.00	6.59	14.35	5.92	0.00	5.92
11.80	7.41	0.00	7.41	14.40	5.80	0.00	5.80
11.85	8.38	0.00	8.38	14.45	5.69	0.00	5.69
11.90	9.56	0.00	9.56	14.50	5.59	0.00	5.59
11.95	11.03	0.00	11.03	14.55	5.49	0.00	5.49
12.00	12.91	0.00	12.91	14.60	5.39	0.00	5.39
12.05	15.45	0.00	15.45	14.65	5.29	0.00	5.29
12.10	18.96	0.00	18.96	14.70	5.20	0.00	5.20
12.15	23.79	0.00	23.79	14.75	5.10	0.00	5.10
12.20	29.97	0.00	29.97	14.80	5.01	0.00	5.01
12.25	36.99	0.00	36.99	14.85	4.91	0.00	4.91
12.30	43.95	0.00	43.95	14.90	4.82	0.00	4.82
12.35	49.69	0.00	49.69	14.95	4.73	0.00	4.73
12.40	53.14	0.00	53.14	15.00	4.63	0.00	4.63
12.45	**54.35**	0.00	**54.35**	15.05	4.54	0.00	4.54
12.50	53.51	0.00	53.51	15.10	4.45	0.00	4.45
12.55	51.04	0.00	51.04	15.15	4.35	0.00	4.35
12.60	47.55	0.00	47.55	15.20	4.26	0.00	4.26
12.65	43.53	0.00	43.53	15.25	4.17	0.00	4.17
12.70	39.47	0.00	39.47	15.30	4.08	0.00	4.08
12.75	35.82	0.00	35.82	15.35	4.00	0.00	4.00
12.80	32.54	0.00	32.54	15.40	3.93	0.00	3.93
12.85	29.56	0.00	29.56	15.45	3.86	0.00	3.86
12.90	26.87	0.00	26.87	15.50	3.79	0.00	3.79
12.95	24.47	0.00	24.47	15.55	3.74	0.00	3.74

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.69	0.00	3.69	18.20	2.32	0.00	2.32
15.65	3.65	0.00	3.65	18.25	2.29	0.00	2.29
15.70	3.61	0.00	3.61	18.30	2.27	0.00	2.27
15.75	3.57	0.00	3.57	18.35	2.25	0.00	2.25
15.80	3.54	0.00	3.54	18.40	2.22	0.00	2.22
15.85	3.51	0.00	3.51	18.45	2.20	0.00	2.20
15.90	3.48	0.00	3.48	18.50	2.19	0.00	2.19
15.95	3.45	0.00	3.45	18.55	2.17	0.00	2.17
16.00	3.42	0.00	3.42	18.60	2.16	0.00	2.16
16.05	3.39	0.00	3.39	18.65	2.15	0.00	2.15
16.10	3.37	0.00	3.37	18.70	2.14	0.00	2.14
16.15	3.34	0.00	3.34	18.75	2.13	0.00	2.13
16.20	3.31	0.00	3.31	18.80	2.12	0.00	2.12
16.25	3.29	0.00	3.29	18.85	2.11	0.00	2.11
16.30	3.27	0.00	3.27	18.90	2.10	0.00	2.10
16.35	3.24	0.00	3.24	18.95	2.10	0.00	2.10
16.40	3.22	0.00	3.22	19.00	2.09	0.00	2.09
16.45	3.19	0.00	3.19	19.05	2.08	0.00	2.08
16.50	3.17	0.00	3.17	19.10	2.08	0.00	2.08
16.55	3.14	0.00	3.14	19.15	2.07	0.00	2.07
16.60	3.12	0.00	3.12	19.20	2.06	0.00	2.06
16.65	3.09	0.00	3.09	19.25	2.06	0.00	2.06
16.70	3.07	0.00	3.07	19.30	2.05	0.00	2.05
16.75	3.04	0.00	3.04	19.35	2.04	0.00	2.04
16.80	3.02	0.00	3.02	19.40	2.04	0.00	2.04
16.85	2.99	0.00	2.99	19.45	2.03	0.00	2.03
16.90	2.97	0.00	2.97	19.50	2.03	0.00	2.03
16.95	2.95	0.00	2.95	19.55	2.02	0.00	2.02
17.00	2.92	0.00	2.92	19.60	2.01	0.00	2.01
17.05	2.89	0.00	2.89	19.65	2.01	0.00	2.01
17.10	2.87	0.00	2.87	19.70	2.00	0.00	2.00
17.15	2.85	0.00	2.85	19.75	2.00	0.00	2.00
17.20	2.82	0.00	2.82	19.80	1.99	0.00	1.99
17.25	2.80	0.00	2.80	19.85	1.98	0.00	1.98
17.30	2.77	0.00	2.77	19.90	1.98	0.00	1.98
17.35	2.75	0.00	2.75	19.95	1.97	0.00	1.97
17.40	2.72	0.00	2.72	20.00	1.97	0.00	1.97
17.45	2.70	0.00	2.70	20.05	1.96	0.00	1.96
17.50	2.67	0.00	2.67	20.10	1.95	0.00	1.95
17.55	2.65	0.00	2.65	20.15	1.95	0.00	1.95
17.60	2.62	0.00	2.62	20.20	1.94	0.00	1.94
17.65	2.60	0.00	2.60	20.25	1.94	0.00	1.94
17.70	2.57	0.00	2.57	20.30	1.93	0.00	1.93
17.75	2.54	0.00	2.54	20.35	1.92	0.00	1.92
17.80	2.52	0.00	2.52	20.40	1.92	0.00	1.92
17.85	2.50	0.00	2.50	20.45	1.91	0.00	1.91
17.90	2.47	0.00	2.47	20.50	1.90	0.00	1.90
17.95	2.44	0.00	2.44	20.55	1.90	0.00	1.90
18.00	2.42	0.00	2.42	20.60	1.89	0.00	1.89
18.05	2.39	0.00	2.39	20.65	1.88	0.00	1.88
18.10	2.37	0.00	2.37	20.70	1.88	0.00	1.88
18.15	2.34	0.00	2.34	20.75	1.87	0.00	1.87

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.87	0.00	1.87	23.40	1.54	0.00	1.54
20.85	1.86	0.00	1.86	23.45	1.53	0.00	1.53
20.90	1.86	0.00	1.86	23.50	1.52	0.00	1.52
20.95	1.85	0.00	1.85	23.55	1.52	0.00	1.52
21.00	1.84	0.00	1.84	23.60	1.51	0.00	1.51
21.05	1.84	0.00	1.84	23.65	1.50	0.00	1.50
21.10	1.83	0.00	1.83	23.70	1.50	0.00	1.50
21.15	1.82	0.00	1.82	23.75	1.49	0.00	1.49
21.20	1.82	0.00	1.82	23.80	1.48	0.00	1.48
21.25	1.81	0.00	1.81	23.85	1.48	0.00	1.48
21.30	1.80	0.00	1.80	23.90	1.47	0.00	1.47
21.35	1.80	0.00	1.80	23.95	1.46	0.00	1.46
21.40	1.79	0.00	1.79	24.00	1.46	0.00	1.46
21.45	1.78	0.00	1.78	24.05	1.46	0.00	1.46
21.50	1.78	0.00	1.78	24.10	1.45	0.00	1.45
21.55	1.77	0.00	1.77	24.15	1.44	0.00	1.44
21.60	1.77	0.00	1.77	24.20	1.40	0.00	1.40
21.65	1.76	0.00	1.76	24.25	1.33	0.00	1.33
21.70	1.75	0.00	1.75	24.30	1.21	0.00	1.21
21.75	1.75	0.00	1.75	24.35	1.08	0.00	1.08
21.80	1.74	0.00	1.74	24.40	0.92	0.00	0.92
21.85	1.73	0.00	1.73	24.45	0.77	0.00	0.77
21.90	1.73	0.00	1.73	24.50	0.62	0.00	0.62
21.95	1.72	0.00	1.72	24.55	0.50	0.00	0.50
22.00	1.72	0.00	1.72	24.60	0.39	0.00	0.39
22.05	1.71	0.00	1.71	24.65	0.31	0.00	0.31
22.10	1.70	0.00	1.70	24.70	0.24	0.00	0.24
22.15	1.70	0.00	1.70	24.75	0.19	0.00	0.19
22.20	1.69	0.00	1.69	24.80	0.15	0.00	0.15
22.25	1.68	0.00	1.68	24.85	0.12	0.00	0.12
22.30	1.68	0.00	1.68	24.90	0.10	0.00	0.10
22.35	1.67	0.00	1.67	24.95	0.08	0.00	0.08
22.40	1.66	0.00	1.66	25.00	0.06	0.00	0.06
22.45	1.66	0.00	1.66	25.05	0.05	0.00	0.05
22.50	1.65	0.00	1.65	25.10	0.04	0.00	0.04
22.55	1.65	0.00	1.65	25.15	0.03	0.00	0.03
22.60	1.64	0.00	1.64	25.20	0.02	0.00	0.02
22.65	1.63	0.00	1.63	25.25	0.02	0.00	0.02
22.70	1.63	0.00	1.63	25.30	0.01	0.00	0.01
22.75	1.62	0.00	1.62	25.35	0.01	0.00	0.01
22.80	1.61	0.00	1.61	25.40	0.01	0.00	0.01
22.85	1.61	0.00	1.61	25.45	0.01	0.00	0.01
22.90	1.60	0.00	1.60	25.50	0.00	0.00	0.00
22.95	1.59	0.00	1.59	25.55	0.00	0.00	0.00
23.00	1.59	0.00	1.59	25.60	0.00	0.00	0.00
23.05	1.58	0.00	1.58	25.65	0.00	0.00	0.00
23.10	1.57	0.00	1.57	25.70	0.00	0.00	0.00
23.15	1.57	0.00	1.57	25.75	0.00	0.00	0.00
23.20	1.56	0.00	1.56	25.80	0.00	0.00	0.00
23.25	1.55	0.00	1.55	25.85	0.00	0.00	0.00
23.30	1.55	0.00	1.55	25.90	0.00	0.00	0.00
23.35	1.54	0.00	1.54	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

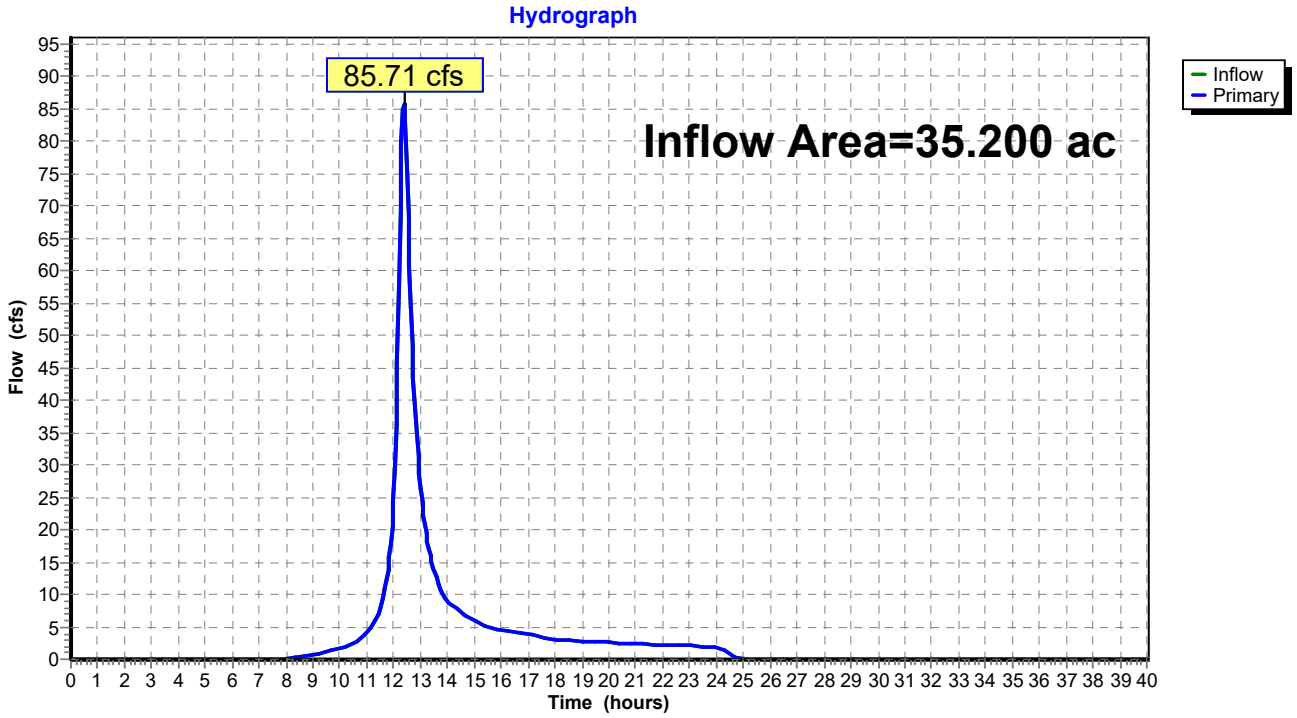
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 3.31" for Future 10 yr event
Inflow = 85.71 cfs @ 12.38 hrs, Volume= 9.720 af
Primary = 85.71 cfs @ 12.38 hrs, Volume= 9.720 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.07	0.00	0.07
5.25	0.00	0.00	0.00	7.85	0.08	0.00	0.08
5.30	0.00	0.00	0.00	7.90	0.10	0.00	0.10
5.35	0.00	0.00	0.00	7.95	0.12	0.00	0.12
5.40	0.00	0.00	0.00	8.00	0.14	0.00	0.14
5.45	0.00	0.00	0.00	8.05	0.16	0.00	0.16
5.50	0.00	0.00	0.00	8.10	0.18	0.00	0.18
5.55	0.00	0.00	0.00	8.15	0.20	0.00	0.20
5.60	0.00	0.00	0.00	8.20	0.22	0.00	0.22
5.65	0.00	0.00	0.00	8.25	0.24	0.00	0.24
5.70	0.00	0.00	0.00	8.30	0.27	0.00	0.27
5.75	0.00	0.00	0.00	8.35	0.29	0.00	0.29
5.80	0.00	0.00	0.00	8.40	0.31	0.00	0.31
5.85	0.00	0.00	0.00	8.45	0.34	0.00	0.34
5.90	0.00	0.00	0.00	8.50	0.36	0.00	0.36
5.95	0.00	0.00	0.00	8.55	0.39	0.00	0.39
6.00	0.00	0.00	0.00	8.60	0.41	0.00	0.41
6.05	0.00	0.00	0.00	8.65	0.44	0.00	0.44
6.10	0.00	0.00	0.00	8.70	0.46	0.00	0.46
6.15	0.00	0.00	0.00	8.75	0.49	0.00	0.49
6.20	0.00	0.00	0.00	8.80	0.52	0.00	0.52
6.25	0.00	0.00	0.00	8.85	0.54	0.00	0.54
6.30	0.00	0.00	0.00	8.90	0.57	0.00	0.57
6.35	0.00	0.00	0.00	8.95	0.60	0.00	0.60
6.40	0.00	0.00	0.00	9.00	0.63	0.00	0.63
6.45	0.00	0.00	0.00	9.05	0.65	0.00	0.65
6.50	0.00	0.00	0.00	9.10	0.68	0.00	0.68
6.55	0.00	0.00	0.00	9.15	0.71	0.00	0.71
6.60	0.00	0.00	0.00	9.20	0.75	0.00	0.75
6.65	0.00	0.00	0.00	9.25	0.78	0.00	0.78
6.70	0.00	0.00	0.00	9.30	0.82	0.00	0.82
6.75	0.00	0.00	0.00	9.35	0.86	0.00	0.86
6.80	0.00	0.00	0.00	9.40	0.90	0.00	0.90
6.85	0.00	0.00	0.00	9.45	0.95	0.00	0.95
6.90	0.00	0.00	0.00	9.50	1.00	0.00	1.00
6.95	0.00	0.00	0.00	9.55	1.05	0.00	1.05
7.00	0.00	0.00	0.00	9.60	1.10	0.00	1.10
7.05	0.00	0.00	0.00	9.65	1.16	0.00	1.16
7.10	0.00	0.00	0.00	9.70	1.22	0.00	1.22
7.15	0.00	0.00	0.00	9.75	1.28	0.00	1.28
7.20	0.00	0.00	0.00	9.80	1.34	0.00	1.34
7.25	0.00	0.00	0.00	9.85	1.41	0.00	1.41
7.30	0.00	0.00	0.00	9.90	1.47	0.00	1.47
7.35	0.00	0.00	0.00	9.95	1.54	0.00	1.54
7.40	0.00	0.00	0.00	10.00	1.61	0.00	1.61
7.45	0.00	0.00	0.00	10.05	1.69	0.00	1.69
7.50	0.00	0.00	0.00	10.10	1.76	0.00	1.76
7.55	0.01	0.00	0.01	10.15	1.84	0.00	1.84
7.60	0.02	0.00	0.02	10.20	1.92	0.00	1.92
7.65	0.02	0.00	0.02	10.25	2.00	0.00	2.00
7.70	0.04	0.00	0.04	10.30	2.08	0.00	2.08
7.75	0.05	0.00	0.05	10.35	2.17	0.00	2.17

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.25	0.00	2.25	13.00	26.10	0.00	26.10
10.45	2.34	0.00	2.34	13.05	24.05	0.00	24.05
10.50	2.43	0.00	2.43	13.10	22.30	0.00	22.30
10.55	2.53	0.00	2.53	13.15	20.77	0.00	20.77
10.60	2.62	0.00	2.62	13.20	19.39	0.00	19.39
10.65	2.73	0.00	2.73	13.25	18.15	0.00	18.15
10.70	2.85	0.00	2.85	13.30	17.04	0.00	17.04
10.75	2.99	0.00	2.99	13.35	16.05	0.00	16.05
10.80	3.14	0.00	3.14	13.40	15.15	0.00	15.15
10.85	3.32	0.00	3.32	13.45	14.33	0.00	14.33
10.90	3.52	0.00	3.52	13.50	13.59	0.00	13.59
10.95	3.74	0.00	3.74	13.55	12.91	0.00	12.91
11.00	3.98	0.00	3.98	13.60	12.29	0.00	12.29
11.05	4.24	0.00	4.24	13.65	11.72	0.00	11.72
11.10	4.51	0.00	4.51	13.70	11.19	0.00	11.19
11.15	4.81	0.00	4.81	13.75	10.69	0.00	10.69
11.20	5.13	0.00	5.13	13.80	10.23	0.00	10.23
11.25	5.50	0.00	5.50	13.85	9.82	0.00	9.82
11.30	5.90	0.00	5.90	13.90	9.46	0.00	9.46
11.35	6.34	0.00	6.34	13.95	9.15	0.00	9.15
11.40	6.83	0.00	6.83	14.00	8.88	0.00	8.88
11.45	7.35	0.00	7.35	14.05	8.65	0.00	8.65
11.50	7.91	0.00	7.91	14.10	8.45	0.00	8.45
11.55	8.51	0.00	8.51	14.15	8.27	0.00	8.27
11.60	9.18	0.00	9.18	14.20	8.10	0.00	8.10
11.65	9.99	0.00	9.99	14.25	7.94	0.00	7.94
11.70	11.02	0.00	11.02	14.30	7.79	0.00	7.79
11.75	12.31	0.00	12.31	14.35	7.65	0.00	7.65
11.80	13.85	0.00	13.85	14.40	7.52	0.00	7.52
11.85	15.68	0.00	15.68	14.45	7.38	0.00	7.38
11.90	17.89	0.00	17.89	14.50	7.25	0.00	7.25
11.95	20.68	0.00	20.68	14.55	7.12	0.00	7.12
12.00	24.35	0.00	24.35	14.60	6.99	0.00	6.99
12.05	29.25	0.00	29.25	14.65	6.87	0.00	6.87
12.10	36.20	0.00	36.20	14.70	6.74	0.00	6.74
12.15	45.72	0.00	45.72	14.75	6.62	0.00	6.62
12.20	57.33	0.00	57.33	14.80	6.49	0.00	6.49
12.25	69.51	0.00	69.51	14.85	6.37	0.00	6.37
12.30	79.48	0.00	79.48	14.90	6.24	0.00	6.24
12.35	84.91	0.00	84.91	14.95	6.11	0.00	6.11
12.40	**85.45**	0.00	**85.45**	15.00	5.99	0.00	5.99
12.45	82.02	0.00	82.02	15.05	5.87	0.00	5.87
12.50	75.89	0.00	75.89	15.10	5.74	0.00	5.74
12.55	68.31	0.00	68.31	15.15	5.61	0.00	5.61
12.60	60.78	0.00	60.78	15.20	5.49	0.00	5.49
12.65	54.22	0.00	54.22	15.25	5.37	0.00	5.37
12.70	48.53	0.00	48.53	15.30	5.26	0.00	5.26
12.75	43.43	0.00	43.43	15.35	5.15	0.00	5.15
12.80	38.88	0.00	38.88	15.40	5.06	0.00	5.06
12.85	34.91	0.00	34.91	15.45	4.98	0.00	4.98
12.90	31.49	0.00	31.49	15.50	4.91	0.00	4.91
12.95	28.56	0.00	28.56	15.55	4.85	0.00	4.85

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.80	0.00	4.80	18.20	3.01	0.00	3.01
15.65	4.75	0.00	4.75	18.25	2.97	0.00	2.97
15.70	4.71	0.00	4.71	18.30	2.94	0.00	2.94
15.75	4.67	0.00	4.67	18.35	2.92	0.00	2.92
15.80	4.63	0.00	4.63	18.40	2.89	0.00	2.89
15.85	4.59	0.00	4.59	18.45	2.87	0.00	2.87
15.90	4.55	0.00	4.55	18.50	2.85	0.00	2.85
15.95	4.52	0.00	4.52	18.55	2.83	0.00	2.83
16.00	4.48	0.00	4.48	18.60	2.82	0.00	2.82
16.05	4.45	0.00	4.45	18.65	2.81	0.00	2.81
16.10	4.42	0.00	4.42	18.70	2.80	0.00	2.80
16.15	4.38	0.00	4.38	18.75	2.79	0.00	2.79
16.20	4.35	0.00	4.35	18.80	2.78	0.00	2.78
16.25	4.31	0.00	4.31	18.85	2.77	0.00	2.77
16.30	4.28	0.00	4.28	18.90	2.76	0.00	2.76
16.35	4.25	0.00	4.25	18.95	2.75	0.00	2.75
16.40	4.22	0.00	4.22	19.00	2.74	0.00	2.74
16.45	4.18	0.00	4.18	19.05	2.73	0.00	2.73
16.50	4.15	0.00	4.15	19.10	2.72	0.00	2.72
16.55	4.12	0.00	4.12	19.15	2.71	0.00	2.71
16.60	4.08	0.00	4.08	19.20	2.70	0.00	2.70
16.65	4.05	0.00	4.05	19.25	2.70	0.00	2.70
16.70	4.02	0.00	4.02	19.30	2.69	0.00	2.69
16.75	3.98	0.00	3.98	19.35	2.68	0.00	2.68
16.80	3.95	0.00	3.95	19.40	2.67	0.00	2.67
16.85	3.92	0.00	3.92	19.45	2.66	0.00	2.66
16.90	3.88	0.00	3.88	19.50	2.65	0.00	2.65
16.95	3.85	0.00	3.85	19.55	2.65	0.00	2.65
17.00	3.82	0.00	3.82	19.60	2.64	0.00	2.64
17.05	3.78	0.00	3.78	19.65	2.63	0.00	2.63
17.10	3.75	0.00	3.75	19.70	2.62	0.00	2.62
17.15	3.72	0.00	3.72	19.75	2.61	0.00	2.61
17.20	3.68	0.00	3.68	19.80	2.60	0.00	2.60
17.25	3.65	0.00	3.65	19.85	2.60	0.00	2.60
17.30	3.62	0.00	3.62	19.90	2.59	0.00	2.59
17.35	3.58	0.00	3.58	19.95	2.58	0.00	2.58
17.40	3.55	0.00	3.55	20.00	2.58	0.00	2.58
17.45	3.51	0.00	3.51	20.05	2.57	0.00	2.57
17.50	3.48	0.00	3.48	20.10	2.56	0.00	2.56
17.55	3.45	0.00	3.45	20.15	2.55	0.00	2.55
17.60	3.41	0.00	3.41	20.20	2.54	0.00	2.54
17.65	3.38	0.00	3.38	20.25	2.53	0.00	2.53
17.70	3.35	0.00	3.35	20.30	2.52	0.00	2.52
17.75	3.31	0.00	3.31	20.35	2.51	0.00	2.51
17.80	3.28	0.00	3.28	20.40	2.51	0.00	2.51
17.85	3.24	0.00	3.24	20.45	2.50	0.00	2.50
17.90	3.21	0.00	3.21	20.50	2.49	0.00	2.49
17.95	3.18	0.00	3.18	20.55	2.48	0.00	2.48
18.00	3.14	0.00	3.14	20.60	2.47	0.00	2.47
18.05	3.11	0.00	3.11	20.65	2.46	0.00	2.46
18.10	3.07	0.00	3.07	20.70	2.46	0.00	2.46
18.15	3.04	0.00	3.04	20.75	2.45	0.00	2.45

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.44	0.00	2.44	23.40	2.00	0.00	2.00
20.85	2.43	0.00	2.43	23.45	1.99	0.00	1.99
20.90	2.42	0.00	2.42	23.50	1.98	0.00	1.98
20.95	2.42	0.00	2.42	23.55	1.97	0.00	1.97
21.00	2.41	0.00	2.41	23.60	1.96	0.00	1.96
21.05	2.40	0.00	2.40	23.65	1.95	0.00	1.95
21.10	2.39	0.00	2.39	23.70	1.94	0.00	1.94
21.15	2.38	0.00	2.38	23.75	1.94	0.00	1.94
21.20	2.37	0.00	2.37	23.80	1.93	0.00	1.93
21.25	2.36	0.00	2.36	23.85	1.92	0.00	1.92
21.30	2.35	0.00	2.35	23.90	1.91	0.00	1.91
21.35	2.34	0.00	2.34	23.95	1.90	0.00	1.90
21.40	2.34	0.00	2.34	24.00	1.90	0.00	1.90
21.45	2.33	0.00	2.33	24.05	1.90	0.00	1.90
21.50	2.32	0.00	2.32	24.10	1.90	0.00	1.90
21.55	2.31	0.00	2.31	24.15	1.87	0.00	1.87
21.60	2.31	0.00	2.31	24.20	1.78	0.00	1.78
21.65	2.30	0.00	2.30	24.25	1.61	0.00	1.61
21.70	2.29	0.00	2.29	24.30	1.39	0.00	1.39
21.75	2.28	0.00	2.28	24.35	1.14	0.00	1.14
21.80	2.27	0.00	2.27	24.40	0.90	0.00	0.90
21.85	2.26	0.00	2.26	24.45	0.69	0.00	0.69
21.90	2.25	0.00	2.25	24.50	0.52	0.00	0.52
21.95	2.24	0.00	2.24	24.55	0.39	0.00	0.39
22.00	2.24	0.00	2.24	24.60	0.30	0.00	0.30
22.05	2.23	0.00	2.23	24.65	0.23	0.00	0.23
22.10	2.22	0.00	2.22	24.70	0.17	0.00	0.17
22.15	2.21	0.00	2.21	24.75	0.13	0.00	0.13
22.20	2.20	0.00	2.20	24.80	0.10	0.00	0.10
22.25	2.19	0.00	2.19	24.85	0.07	0.00	0.07
22.30	2.18	0.00	2.18	24.90	0.05	0.00	0.05
22.35	2.18	0.00	2.18	24.95	0.04	0.00	0.04
22.40	2.17	0.00	2.17	25.00	0.03	0.00	0.03
22.45	2.16	0.00	2.16	25.05	0.02	0.00	0.02
22.50	2.15	0.00	2.15	25.10	0.02	0.00	0.02
22.55	2.14	0.00	2.14	25.15	0.01	0.00	0.01
22.60	2.13	0.00	2.13	25.20	0.01	0.00	0.01
22.65	2.12	0.00	2.12	25.25	0.01	0.00	0.01
22.70	2.12	0.00	2.12	25.30	0.00	0.00	0.00
22.75	2.11	0.00	2.11	25.35	0.00	0.00	0.00
22.80	2.10	0.00	2.10	25.40	0.00	0.00	0.00
22.85	2.09	0.00	2.09	25.45	0.00	0.00	0.00
22.90	2.08	0.00	2.08	25.50	0.00	0.00	0.00
22.95	2.07	0.00	2.07	25.55	0.00	0.00	0.00
23.00	2.06	0.00	2.06	25.60	0.00	0.00	0.00
23.05	2.06	0.00	2.06	25.65	0.00	0.00	0.00
23.10	2.05	0.00	2.05	25.70	0.00	0.00	0.00
23.15	2.04	0.00	2.04	25.75	0.00	0.00	0.00
23.20	2.03	0.00	2.03	25.80	0.00	0.00	0.00
23.25	2.02	0.00	2.02	25.85	0.00	0.00	0.00
23.30	2.01	0.00	2.01	25.90	0.00	0.00	0.00
23.35	2.00	0.00	2.00	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

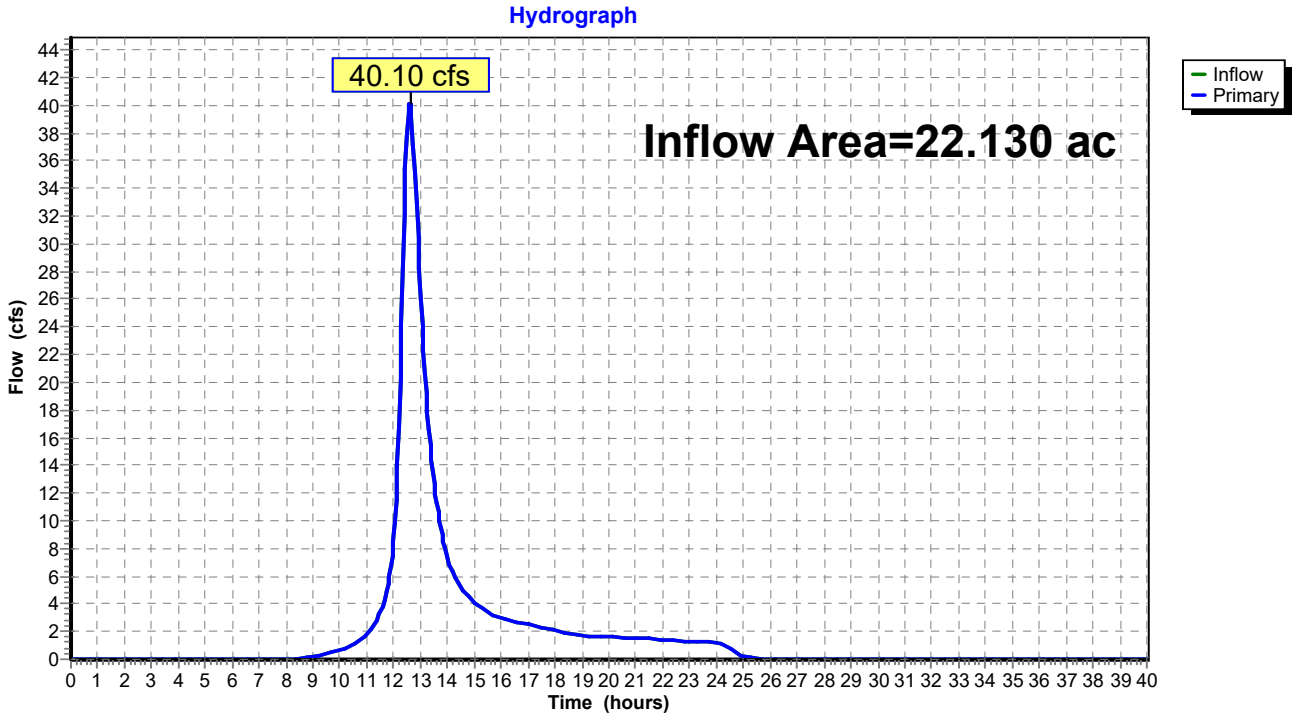
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 3.22" for Future 10 yr event
Inflow = 40.10 cfs @ 12.61 hrs, Volume= 5.932 af
Primary = 40.10 cfs @ 12.61 hrs, Volume= 5.932 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.01	0.00	0.01
5.40	0.00	0.00	0.00	8.00	0.01	0.00	0.01
5.45	0.00	0.00	0.00	8.05	0.01	0.00	0.01
5.50	0.00	0.00	0.00	8.10	0.02	0.00	0.02
5.55	0.00	0.00	0.00	8.15	0.02	0.00	0.02
5.60	0.00	0.00	0.00	8.20	0.03	0.00	0.03
5.65	0.00	0.00	0.00	8.25	0.04	0.00	0.04
5.70	0.00	0.00	0.00	8.30	0.05	0.00	0.05
5.75	0.00	0.00	0.00	8.35	0.06	0.00	0.06
5.80	0.00	0.00	0.00	8.40	0.07	0.00	0.07
5.85	0.00	0.00	0.00	8.45	0.08	0.00	0.08
5.90	0.00	0.00	0.00	8.50	0.09	0.00	0.09
5.95	0.00	0.00	0.00	8.55	0.10	0.00	0.10
6.00	0.00	0.00	0.00	8.60	0.11	0.00	0.11
6.05	0.00	0.00	0.00	8.65	0.13	0.00	0.13
6.10	0.00	0.00	0.00	8.70	0.14	0.00	0.14
6.15	0.00	0.00	0.00	8.75	0.15	0.00	0.15
6.20	0.00	0.00	0.00	8.80	0.17	0.00	0.17
6.25	0.00	0.00	0.00	8.85	0.18	0.00	0.18
6.30	0.00	0.00	0.00	8.90	0.20	0.00	0.20
6.35	0.00	0.00	0.00	8.95	0.21	0.00	0.21
6.40	0.00	0.00	0.00	9.00	0.23	0.00	0.23
6.45	0.00	0.00	0.00	9.05	0.24	0.00	0.24
6.50	0.00	0.00	0.00	9.10	0.26	0.00	0.26
6.55	0.00	0.00	0.00	9.15	0.28	0.00	0.28
6.60	0.00	0.00	0.00	9.20	0.29	0.00	0.29
6.65	0.00	0.00	0.00	9.25	0.31	0.00	0.31
6.70	0.00	0.00	0.00	9.30	0.33	0.00	0.33
6.75	0.00	0.00	0.00	9.35	0.35	0.00	0.35
6.80	0.00	0.00	0.00	9.40	0.37	0.00	0.37
6.85	0.00	0.00	0.00	9.45	0.39	0.00	0.39
6.90	0.00	0.00	0.00	9.50	0.41	0.00	0.41
6.95	0.00	0.00	0.00	9.55	0.43	0.00	0.43
7.00	0.00	0.00	0.00	9.60	0.46	0.00	0.46
7.05	0.00	0.00	0.00	9.65	0.48	0.00	0.48
7.10	0.00	0.00	0.00	9.70	0.51	0.00	0.51
7.15	0.00	0.00	0.00	9.75	0.54	0.00	0.54
7.20	0.00	0.00	0.00	9.80	0.57	0.00	0.57
7.25	0.00	0.00	0.00	9.85	0.60	0.00	0.60
7.30	0.00	0.00	0.00	9.90	0.63	0.00	0.63
7.35	0.00	0.00	0.00	9.95	0.66	0.00	0.66
7.40	0.00	0.00	0.00	10.00	0.70	0.00	0.70
7.45	0.00	0.00	0.00	10.05	0.74	0.00	0.74
7.50	0.00	0.00	0.00	10.10	0.77	0.00	0.77
7.55	0.00	0.00	0.00	10.15	0.81	0.00	0.81
7.60	0.00	0.00	0.00	10.20	0.85	0.00	0.85
7.65	0.00	0.00	0.00	10.25	0.89	0.00	0.89
7.70	0.00	0.00	0.00	10.30	0.94	0.00	0.94
7.75	0.00	0.00	0.00	10.35	0.98	0.00	0.98

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.03	0.00	1.03	13.00	26.03	0.00	26.03
10.45	1.07	0.00	1.07	13.05	24.06	0.00	24.06
10.50	1.12	0.00	1.12	13.10	22.30	0.00	22.30
10.55	1.17	0.00	1.17	13.15	20.66	0.00	20.66
10.60	1.22	0.00	1.22	13.20	19.18	0.00	19.18
10.65	1.27	0.00	1.27	13.25	17.82	0.00	17.82
10.70	1.33	0.00	1.33	13.30	16.59	0.00	16.59
10.75	1.39	0.00	1.39	13.35	15.47	0.00	15.47
10.80	1.45	0.00	1.45	13.40	14.47	0.00	14.47
10.85	1.52	0.00	1.52	13.45	13.55	0.00	13.55
10.90	1.59	0.00	1.59	13.50	12.71	0.00	12.71
10.95	1.68	0.00	1.68	13.55	11.94	0.00	11.94
11.00	1.77	0.00	1.77	13.60	11.25	0.00	11.25
11.05	1.87	0.00	1.87	13.65	10.60	0.00	10.60
11.10	1.98	0.00	1.98	13.70	10.02	0.00	10.02
11.15	2.11	0.00	2.11	13.75	9.47	0.00	9.47
11.20	2.24	0.00	2.24	13.80	8.97	0.00	8.97
11.25	2.39	0.00	2.39	13.85	8.51	0.00	8.51
11.30	2.54	0.00	2.54	13.90	8.09	0.00	8.09
11.35	2.72	0.00	2.72	13.95	7.70	0.00	7.70
11.40	2.91	0.00	2.91	14.00	7.34	0.00	7.34
11.45	3.13	0.00	3.13	14.05	7.02	0.00	7.02
11.50	3.35	0.00	3.35	14.10	6.72	0.00	6.72
11.55	3.61	0.00	3.61	14.15	6.46	0.00	6.46
11.60	3.88	0.00	3.88	14.20	6.22	0.00	6.22
11.65	4.19	0.00	4.19	14.25	6.00	0.00	6.00
11.70	4.54	0.00	4.54	14.30	5.80	0.00	5.80
11.75	4.94	0.00	4.94	14.35	5.62	0.00	5.62
11.80	5.42	0.00	5.42	14.40	5.45	0.00	5.45
11.85	5.99	0.00	5.99	14.45	5.30	0.00	5.30
11.90	6.67	0.00	6.67	14.50	5.15	0.00	5.15
11.95	7.49	0.00	7.49	14.55	5.03	0.00	5.03
12.00	8.52	0.00	8.52	14.60	4.91	0.00	4.91
12.05	9.82	0.00	9.82	14.65	4.80	0.00	4.80
12.10	11.56	0.00	11.56	14.70	4.70	0.00	4.70
12.15	13.86	0.00	13.86	14.75	4.60	0.00	4.60
12.20	16.73	0.00	16.73	14.80	4.50	0.00	4.50
12.25	20.18	0.00	20.18	14.85	4.42	0.00	4.42
12.30	24.07	0.00	24.07	14.90	4.32	0.00	4.32
12.35	28.19	0.00	28.19	14.95	4.24	0.00	4.24
12.40	32.11	0.00	32.11	15.00	4.15	0.00	4.15
12.45	35.42	0.00	35.42	15.05	4.07	0.00	4.07
12.50	37.95	0.00	37.95	15.10	3.98	0.00	3.98
12.55	39.42	0.00	39.42	15.15	3.91	0.00	3.91
12.60	**40.09**	0.00	**40.09**	15.20	3.82	0.00	3.82
12.65	39.75	0.00	39.75	15.25	3.74	0.00	3.74
12.70	38.82	0.00	38.82	15.30	3.66	0.00	3.66
12.75	37.22	0.00	37.22	15.35	3.59	0.00	3.59
12.80	35.22	0.00	35.22	15.40	3.51	0.00	3.51
12.85	32.85	0.00	32.85	15.45	3.44	0.00	3.44
12.90	30.48	0.00	30.48	15.50	3.38	0.00	3.38
12.95	28.16	0.00	28.16	15.55	3.31	0.00	3.31

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.26	0.00	3.26	18.20	1.97	0.00	1.97
15.65	3.20	0.00	3.20	18.25	1.96	0.00	1.96
15.70	3.16	0.00	3.16	18.30	1.93	0.00	1.93
15.75	3.11	0.00	3.11	18.35	1.91	0.00	1.91
15.80	3.07	0.00	3.07	18.40	1.89	0.00	1.89
15.85	3.03	0.00	3.03	18.45	1.88	0.00	1.88
15.90	3.00	0.00	3.00	18.50	1.86	0.00	1.86
15.95	2.96	0.00	2.96	18.55	1.84	0.00	1.84
16.00	2.94	0.00	2.94	18.60	1.82	0.00	1.82
16.05	2.90	0.00	2.90	18.65	1.81	0.00	1.81
16.10	2.88	0.00	2.88	18.70	1.80	0.00	1.80
16.15	2.85	0.00	2.85	18.75	1.79	0.00	1.79
16.20	2.83	0.00	2.83	18.80	1.77	0.00	1.77
16.25	2.80	0.00	2.80	18.85	1.77	0.00	1.77
16.30	2.78	0.00	2.78	18.90	1.76	0.00	1.76
16.35	2.75	0.00	2.75	18.95	1.75	0.00	1.75
16.40	2.73	0.00	2.73	19.00	1.74	0.00	1.74
16.45	2.71	0.00	2.71	19.05	1.73	0.00	1.73
16.50	2.69	0.00	2.69	19.10	1.72	0.00	1.72
16.55	2.66	0.00	2.66	19.15	1.72	0.00	1.72
16.60	2.65	0.00	2.65	19.20	1.71	0.00	1.71
16.65	2.62	0.00	2.62	19.25	1.71	0.00	1.71
16.70	2.60	0.00	2.60	19.30	1.70	0.00	1.70
16.75	2.58	0.00	2.58	19.35	1.69	0.00	1.69
16.80	2.56	0.00	2.56	19.40	1.69	0.00	1.69
16.85	2.54	0.00	2.54	19.45	1.68	0.00	1.68
16.90	2.52	0.00	2.52	19.50	1.68	0.00	1.68
16.95	2.50	0.00	2.50	19.55	1.67	0.00	1.67
17.00	2.48	0.00	2.48	19.60	1.67	0.00	1.67
17.05	2.45	0.00	2.45	19.65	1.66	0.00	1.66
17.10	2.43	0.00	2.43	19.70	1.65	0.00	1.65
17.15	2.41	0.00	2.41	19.75	1.65	0.00	1.65
17.20	2.39	0.00	2.39	19.80	1.64	0.00	1.64
17.25	2.37	0.00	2.37	19.85	1.64	0.00	1.64
17.30	2.35	0.00	2.35	19.90	1.63	0.00	1.63
17.35	2.33	0.00	2.33	19.95	1.63	0.00	1.63
17.40	2.31	0.00	2.31	20.00	1.62	0.00	1.62
17.45	2.29	0.00	2.29	20.05	1.62	0.00	1.62
17.50	2.27	0.00	2.27	20.10	1.61	0.00	1.61
17.55	2.25	0.00	2.25	20.15	1.61	0.00	1.61
17.60	2.23	0.00	2.23	20.20	1.60	0.00	1.60
17.65	2.21	0.00	2.21	20.25	1.60	0.00	1.60
17.70	2.18	0.00	2.18	20.30	1.59	0.00	1.59
17.75	2.16	0.00	2.16	20.35	1.59	0.00	1.59
17.80	2.14	0.00	2.14	20.40	1.58	0.00	1.58
17.85	2.12	0.00	2.12	20.45	1.58	0.00	1.58
17.90	2.10	0.00	2.10	20.50	1.57	0.00	1.57
17.95	2.08	0.00	2.08	20.55	1.57	0.00	1.57
18.00	2.06	0.00	2.06	20.60	1.56	0.00	1.56
18.05	2.04	0.00	2.04	20.65	1.56	0.00	1.56
18.10	2.02	0.00	2.02	20.70	1.55	0.00	1.55
18.15	2.00	0.00	2.00	20.75	1.55	0.00	1.55

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.54	0.00	1.54	23.40	1.27	0.00	1.27
20.85	1.54	0.00	1.54	23.45	1.26	0.00	1.26
20.90	1.53	0.00	1.53	23.50	1.26	0.00	1.26
20.95	1.53	0.00	1.53	23.55	1.25	0.00	1.25
21.00	1.52	0.00	1.52	23.60	1.25	0.00	1.25
21.05	1.52	0.00	1.52	23.65	1.24	0.00	1.24
21.10	1.51	0.00	1.51	23.70	1.24	0.00	1.24
21.15	1.50	0.00	1.50	23.75	1.23	0.00	1.23
21.20	1.50	0.00	1.50	23.80	1.23	0.00	1.23
21.25	1.49	0.00	1.49	23.85	1.22	0.00	1.22
21.30	1.49	0.00	1.49	23.90	1.21	0.00	1.21
21.35	1.48	0.00	1.48	23.95	1.21	0.00	1.21
21.40	1.48	0.00	1.48	24.00	1.20	0.00	1.20
21.45	1.47	0.00	1.47	24.05	1.20	0.00	1.20
21.50	1.47	0.00	1.47	24.10	1.20	0.00	1.20
21.55	1.46	0.00	1.46	24.15	1.19	0.00	1.19
21.60	1.46	0.00	1.46	24.20	1.17	0.00	1.17
21.65	1.45	0.00	1.45	24.25	1.15	0.00	1.15
21.70	1.45	0.00	1.45	24.30	1.12	0.00	1.12
21.75	1.44	0.00	1.44	24.35	1.06	0.00	1.06
21.80	1.44	0.00	1.44	24.40	1.00	0.00	1.00
21.85	1.43	0.00	1.43	24.45	0.92	0.00	0.92
21.90	1.43	0.00	1.43	24.50	0.83	0.00	0.83
21.95	1.42	0.00	1.42	24.55	0.74	0.00	0.74
22.00	1.42	0.00	1.42	24.60	0.65	0.00	0.65
22.05	1.41	0.00	1.41	24.65	0.57	0.00	0.57
22.10	1.40	0.00	1.40	24.70	0.48	0.00	0.48
22.15	1.40	0.00	1.40	24.75	0.41	0.00	0.41
22.20	1.39	0.00	1.39	24.80	0.35	0.00	0.35
22.25	1.39	0.00	1.39	24.85	0.29	0.00	0.29
22.30	1.38	0.00	1.38	24.90	0.24	0.00	0.24
22.35	1.38	0.00	1.38	24.95	0.21	0.00	0.21
22.40	1.37	0.00	1.37	25.00	0.17	0.00	0.17
22.45	1.37	0.00	1.37	25.05	0.15	0.00	0.15
22.50	1.36	0.00	1.36	25.10	0.12	0.00	0.12
22.55	1.36	0.00	1.36	25.15	0.11	0.00	0.11
22.60	1.35	0.00	1.35	25.20	0.09	0.00	0.09
22.65	1.35	0.00	1.35	25.25	0.08	0.00	0.08
22.70	1.34	0.00	1.34	25.30	0.06	0.00	0.06
22.75	1.34	0.00	1.34	25.35	0.05	0.00	0.05
22.80	1.33	0.00	1.33	25.40	0.04	0.00	0.04
22.85	1.33	0.00	1.33	25.45	0.04	0.00	0.04
22.90	1.32	0.00	1.32	25.50	0.03	0.00	0.03
22.95	1.32	0.00	1.32	25.55	0.03	0.00	0.03
23.00	1.31	0.00	1.31	25.60	0.02	0.00	0.02
23.05	1.30	0.00	1.30	25.65	0.02	0.00	0.02
23.10	1.30	0.00	1.30	25.70	0.02	0.00	0.02
23.15	1.29	0.00	1.29	25.75	0.01	0.00	0.01
23.20	1.29	0.00	1.29	25.80	0.01	0.00	0.01
23.25	1.28	0.00	1.28	25.85	0.01	0.00	0.01
23.30	1.28	0.00	1.28	25.90	0.01	0.00	0.01
23.35	1.27	0.00	1.27	25.95	0.01	0.00	0.01

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

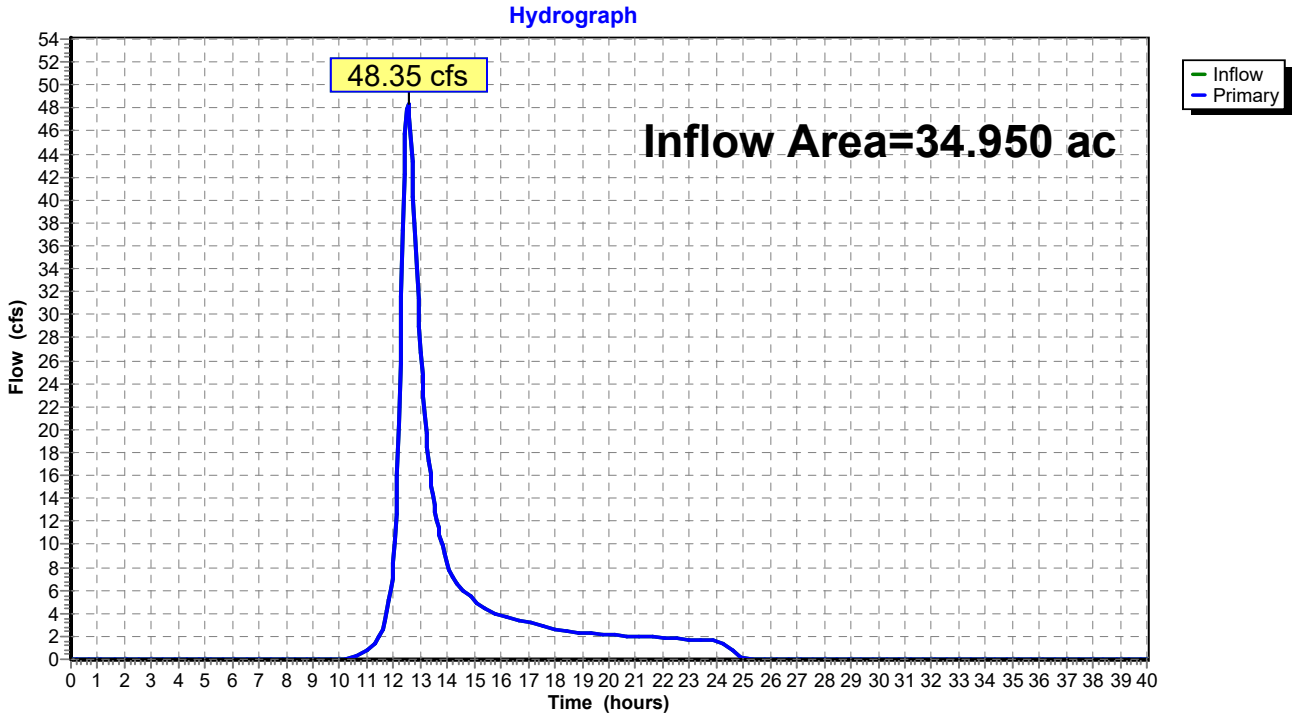
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 2.31" for Future 10 yr event
Inflow = 48.35 cfs @ 12.55 hrs, Volume= 6.721 af
Primary = 48.35 cfs @ 12.55 hrs, Volume= 6.721 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.01	0.00	0.01
7.45	0.00	0.00	0.00	10.05	0.01	0.00	0.01
7.50	0.00	0.00	0.00	10.10	0.02	0.00	0.02
7.55	0.00	0.00	0.00	10.15	0.03	0.00	0.03
7.60	0.00	0.00	0.00	10.20	0.05	0.00	0.05
7.65	0.00	0.00	0.00	10.25	0.07	0.00	0.07
7.70	0.00	0.00	0.00	10.30	0.09	0.00	0.09
7.75	0.00	0.00	0.00	10.35	0.12	0.00	0.12

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.14	0.00	0.14	13.00	26.75	0.00	26.75
10.45	0.18	0.00	0.18	13.05	24.71	0.00	24.71
10.50	0.21	0.00	0.21	13.10	22.88	0.00	22.88
10.55	0.25	0.00	0.25	13.15	21.22	0.00	21.22
10.60	0.29	0.00	0.29	13.20	19.74	0.00	19.74
10.65	0.33	0.00	0.33	13.25	18.42	0.00	18.42
10.70	0.37	0.00	0.37	13.30	17.22	0.00	17.22
10.75	0.42	0.00	0.42	13.35	16.16	0.00	16.16
10.80	0.48	0.00	0.48	13.40	15.17	0.00	15.17
10.85	0.54	0.00	0.54	13.45	14.29	0.00	14.29
10.90	0.60	0.00	0.60	13.50	13.49	0.00	13.49
10.95	0.67	0.00	0.67	13.55	12.75	0.00	12.75
11.00	0.75	0.00	0.75	13.60	12.08	0.00	12.08
11.05	0.84	0.00	0.84	13.65	11.45	0.00	11.45
11.10	0.93	0.00	0.93	13.70	10.88	0.00	10.88
11.15	1.04	0.00	1.04	13.75	10.35	0.00	10.35
11.20	1.16	0.00	1.16	13.80	9.85	0.00	9.85
11.25	1.29	0.00	1.29	13.85	9.39	0.00	9.39
11.30	1.44	0.00	1.44	13.90	8.97	0.00	8.97
11.35	1.61	0.00	1.61	13.95	8.58	0.00	8.58
11.40	1.79	0.00	1.79	14.00	8.23	0.00	8.23
11.45	2.00	0.00	2.00	14.05	7.91	0.00	7.91
11.50	2.23	0.00	2.23	14.10	7.63	0.00	7.63
11.55	2.48	0.00	2.48	14.15	7.37	0.00	7.37
11.60	2.77	0.00	2.77	14.20	7.15	0.00	7.15
11.65	3.10	0.00	3.10	14.25	6.96	0.00	6.96
11.70	3.49	0.00	3.49	14.30	6.78	0.00	6.78
11.75	3.96	0.00	3.96	14.35	6.63	0.00	6.63
11.80	4.53	0.00	4.53	14.40	6.49	0.00	6.49
11.85	5.21	0.00	5.21	14.45	6.35	0.00	6.35
11.90	6.04	0.00	6.04	14.50	6.23	0.00	6.23
11.95	7.07	0.00	7.07	14.55	6.10	0.00	6.10
12.00	8.41	0.00	8.41	14.60	5.99	0.00	5.99
12.05	10.18	0.00	10.18	14.65	5.88	0.00	5.88
12.10	12.67	0.00	12.67	14.70	5.77	0.00	5.77
12.15	16.06	0.00	16.06	14.75	5.66	0.00	5.66
12.20	20.47	0.00	20.47	14.80	5.55	0.00	5.55
12.25	25.77	0.00	25.77	14.85	5.45	0.00	5.45
12.30	31.59	0.00	31.59	14.90	5.35	0.00	5.35
12.35	37.32	0.00	37.32	14.95	5.25	0.00	5.25
12.40	42.29	0.00	42.29	15.00	5.15	0.00	5.15
12.45	45.84	0.00	45.84	15.05	5.05	0.00	5.05
12.50	47.88	0.00	47.88	15.10	4.95	0.00	4.95
12.55	**48.35**	0.00	**48.35**	15.15	4.85	0.00	4.85
12.60	47.65	0.00	47.65	15.20	4.75	0.00	4.75
12.65	45.82	0.00	45.82	15.25	4.65	0.00	4.65
12.70	43.26	0.00	43.26	15.30	4.55	0.00	4.55
12.75	40.27	0.00	40.27	15.35	4.46	0.00	4.46
12.80	37.13	0.00	37.13	15.40	4.38	0.00	4.38
12.85	34.17	0.00	34.17	15.45	4.29	0.00	4.29
12.90	31.46	0.00	31.46	15.50	4.22	0.00	4.22
12.95	28.98	0.00	28.98	15.55	4.15	0.00	4.15

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.09	0.00	4.09	18.20	2.56	0.00	2.56
15.65	4.03	0.00	4.03	18.25	2.53	0.00	2.53
15.70	3.98	0.00	3.98	18.30	2.50	0.00	2.50
15.75	3.93	0.00	3.93	18.35	2.48	0.00	2.48
15.80	3.89	0.00	3.89	18.40	2.46	0.00	2.46
15.85	3.85	0.00	3.85	18.45	2.43	0.00	2.43
15.90	3.82	0.00	3.82	18.50	2.41	0.00	2.41
15.95	3.78	0.00	3.78	18.55	2.39	0.00	2.39
16.00	3.75	0.00	3.75	18.60	2.38	0.00	2.38
16.05	3.71	0.00	3.71	18.65	2.36	0.00	2.36
16.10	3.69	0.00	3.69	18.70	2.35	0.00	2.35
16.15	3.66	0.00	3.66	18.75	2.33	0.00	2.33
16.20	3.63	0.00	3.63	18.80	2.32	0.00	2.32
16.25	3.60	0.00	3.60	18.85	2.31	0.00	2.31
16.30	3.57	0.00	3.57	18.90	2.30	0.00	2.30
16.35	3.54	0.00	3.54	18.95	2.29	0.00	2.29
16.40	3.52	0.00	3.52	19.00	2.29	0.00	2.29
16.45	3.49	0.00	3.49	19.05	2.28	0.00	2.28
16.50	3.47	0.00	3.47	19.10	2.27	0.00	2.27
16.55	3.44	0.00	3.44	19.15	2.26	0.00	2.26
16.60	3.41	0.00	3.41	19.20	2.25	0.00	2.25
16.65	3.39	0.00	3.39	19.25	2.25	0.00	2.25
16.70	3.36	0.00	3.36	19.30	2.24	0.00	2.24
16.75	3.33	0.00	3.33	19.35	2.23	0.00	2.23
16.80	3.30	0.00	3.30	19.40	2.23	0.00	2.23
16.85	3.28	0.00	3.28	19.45	2.22	0.00	2.22
16.90	3.25	0.00	3.25	19.50	2.21	0.00	2.21
16.95	3.23	0.00	3.23	19.55	2.21	0.00	2.21
17.00	3.20	0.00	3.20	19.60	2.20	0.00	2.20
17.05	3.17	0.00	3.17	19.65	2.19	0.00	2.19
17.10	3.15	0.00	3.15	19.70	2.19	0.00	2.19
17.15	3.12	0.00	3.12	19.75	2.18	0.00	2.18
17.20	3.09	0.00	3.09	19.80	2.17	0.00	2.17
17.25	3.07	0.00	3.07	19.85	2.17	0.00	2.17
17.30	3.04	0.00	3.04	19.90	2.16	0.00	2.16
17.35	3.02	0.00	3.02	19.95	2.15	0.00	2.15
17.40	2.99	0.00	2.99	20.00	2.15	0.00	2.15
17.45	2.96	0.00	2.96	20.05	2.14	0.00	2.14
17.50	2.94	0.00	2.94	20.10	2.14	0.00	2.14
17.55	2.91	0.00	2.91	20.15	2.13	0.00	2.13
17.60	2.88	0.00	2.88	20.20	2.12	0.00	2.12
17.65	2.86	0.00	2.86	20.25	2.12	0.00	2.12
17.70	2.83	0.00	2.83	20.30	2.11	0.00	2.11
17.75	2.80	0.00	2.80	20.35	2.10	0.00	2.10
17.80	2.77	0.00	2.77	20.40	2.10	0.00	2.10
17.85	2.75	0.00	2.75	20.45	2.09	0.00	2.09
17.90	2.72	0.00	2.72	20.50	2.08	0.00	2.08
17.95	2.69	0.00	2.69	20.55	2.08	0.00	2.08
18.00	2.67	0.00	2.67	20.60	2.07	0.00	2.07
18.05	2.64	0.00	2.64	20.65	2.06	0.00	2.06
18.10	2.61	0.00	2.61	20.70	2.06	0.00	2.06
18.15	2.59	0.00	2.59	20.75	2.05	0.00	2.05

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.04	0.00	2.04	23.40	1.69	0.00	1.69
20.85	2.04	0.00	2.04	23.45	1.68	0.00	1.68
20.90	2.03	0.00	2.03	23.50	1.68	0.00	1.68
20.95	2.02	0.00	2.02	23.55	1.67	0.00	1.67
21.00	2.02	0.00	2.02	23.60	1.66	0.00	1.66
21.05	2.01	0.00	2.01	23.65	1.65	0.00	1.65
21.10	2.00	0.00	2.00	23.70	1.65	0.00	1.65
21.15	2.00	0.00	2.00	23.75	1.64	0.00	1.64
21.20	1.99	0.00	1.99	23.80	1.63	0.00	1.63
21.25	1.98	0.00	1.98	23.85	1.63	0.00	1.63
21.30	1.98	0.00	1.98	23.90	1.62	0.00	1.62
21.35	1.97	0.00	1.97	23.95	1.61	0.00	1.61
21.40	1.96	0.00	1.96	24.00	1.61	0.00	1.61
21.45	1.96	0.00	1.96	24.05	1.60	0.00	1.60
21.50	1.95	0.00	1.95	24.10	1.60	0.00	1.60
21.55	1.94	0.00	1.94	24.15	1.59	0.00	1.59
21.60	1.94	0.00	1.94	24.20	1.56	0.00	1.56
21.65	1.93	0.00	1.93	24.25	1.51	0.00	1.51
21.70	1.92	0.00	1.92	24.30	1.44	0.00	1.44
21.75	1.92	0.00	1.92	24.35	1.33	0.00	1.33
21.80	1.91	0.00	1.91	24.40	1.20	0.00	1.20
21.85	1.90	0.00	1.90	24.45	1.06	0.00	1.06
21.90	1.90	0.00	1.90	24.50	0.92	0.00	0.92
21.95	1.89	0.00	1.89	24.55	0.78	0.00	0.78
22.00	1.88	0.00	1.88	24.60	0.65	0.00	0.65
22.05	1.88	0.00	1.88	24.65	0.53	0.00	0.53
22.10	1.87	0.00	1.87	24.70	0.43	0.00	0.43
22.15	1.86	0.00	1.86	24.75	0.35	0.00	0.35
22.20	1.85	0.00	1.85	24.80	0.29	0.00	0.29
22.25	1.85	0.00	1.85	24.85	0.24	0.00	0.24
22.30	1.84	0.00	1.84	24.90	0.20	0.00	0.20
22.35	1.83	0.00	1.83	24.95	0.16	0.00	0.16
22.40	1.83	0.00	1.83	25.00	0.13	0.00	0.13
22.45	1.82	0.00	1.82	25.05	0.11	0.00	0.11
22.50	1.81	0.00	1.81	25.10	0.09	0.00	0.09
22.55	1.81	0.00	1.81	25.15	0.07	0.00	0.07
22.60	1.80	0.00	1.80	25.20	0.06	0.00	0.06
22.65	1.79	0.00	1.79	25.25	0.05	0.00	0.05
22.70	1.79	0.00	1.79	25.30	0.04	0.00	0.04
22.75	1.78	0.00	1.78	25.35	0.03	0.00	0.03
22.80	1.77	0.00	1.77	25.40	0.03	0.00	0.03
22.85	1.77	0.00	1.77	25.45	0.02	0.00	0.02
22.90	1.76	0.00	1.76	25.50	0.02	0.00	0.02
22.95	1.75	0.00	1.75	25.55	0.01	0.00	0.01
23.00	1.75	0.00	1.75	25.60	0.01	0.00	0.01
23.05	1.74	0.00	1.74	25.65	0.01	0.00	0.01
23.10	1.73	0.00	1.73	25.70	0.01	0.00	0.01
23.15	1.72	0.00	1.72	25.75	0.01	0.00	0.01
23.20	1.72	0.00	1.72	25.80	0.00	0.00	0.00
23.25	1.71	0.00	1.71	25.85	0.00	0.00	0.00
23.30	1.70	0.00	1.70	25.90	0.00	0.00	0.00
23.35	1.70	0.00	1.70	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

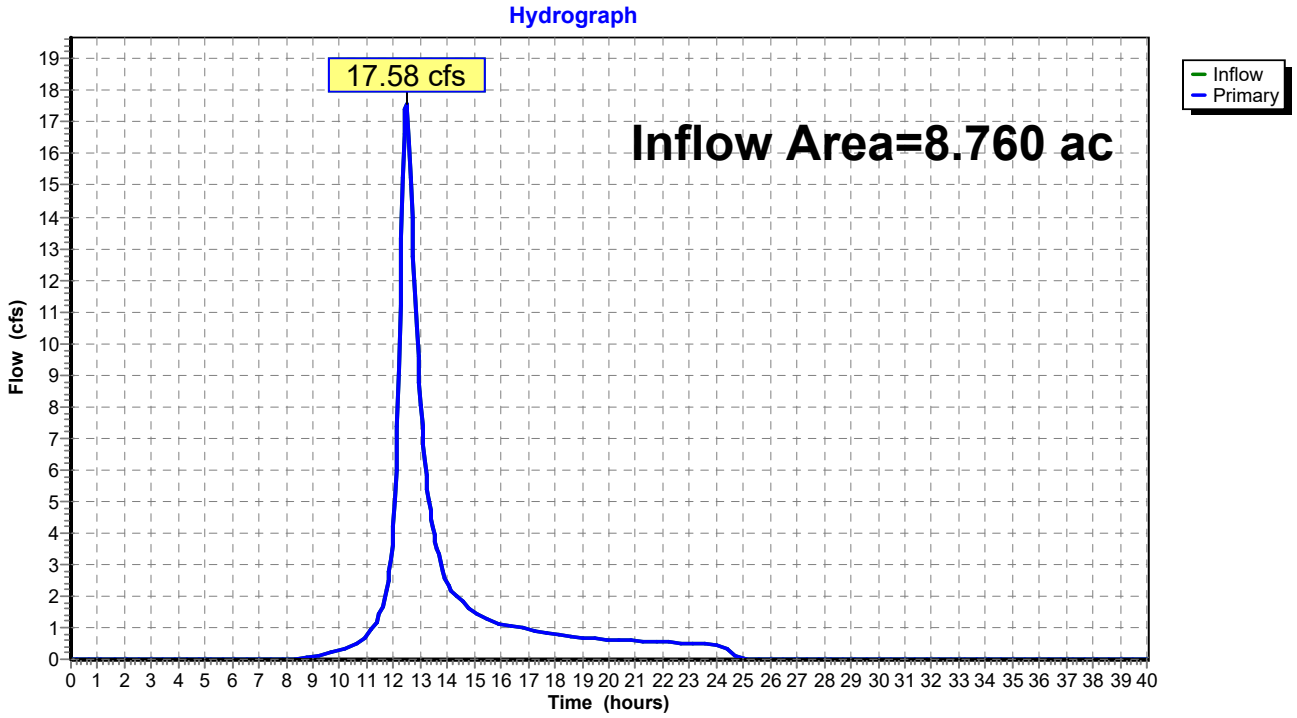
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 3.12" for Future 10 yr event
Inflow = 17.58 cfs @ 12.49 hrs, Volume= 2.278 af
Primary = 17.58 cfs @ 12.49 hrs, Volume= 2.278 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.01	0.00	0.01
5.70	0.00	0.00	0.00	8.30	0.01	0.00	0.01
5.75	0.00	0.00	0.00	8.35	0.01	0.00	0.01
5.80	0.00	0.00	0.00	8.40	0.02	0.00	0.02
5.85	0.00	0.00	0.00	8.45	0.02	0.00	0.02
5.90	0.00	0.00	0.00	8.50	0.02	0.00	0.02
5.95	0.00	0.00	0.00	8.55	0.03	0.00	0.03
6.00	0.00	0.00	0.00	8.60	0.03	0.00	0.03
6.05	0.00	0.00	0.00	8.65	0.04	0.00	0.04
6.10	0.00	0.00	0.00	8.70	0.04	0.00	0.04
6.15	0.00	0.00	0.00	8.75	0.05	0.00	0.05
6.20	0.00	0.00	0.00	8.80	0.05	0.00	0.05
6.25	0.00	0.00	0.00	8.85	0.06	0.00	0.06
6.30	0.00	0.00	0.00	8.90	0.07	0.00	0.07
6.35	0.00	0.00	0.00	8.95	0.07	0.00	0.07
6.40	0.00	0.00	0.00	9.00	0.08	0.00	0.08
6.45	0.00	0.00	0.00	9.05	0.08	0.00	0.08
6.50	0.00	0.00	0.00	9.10	0.09	0.00	0.09
6.55	0.00	0.00	0.00	9.15	0.10	0.00	0.10
6.60	0.00	0.00	0.00	9.20	0.10	0.00	0.10
6.65	0.00	0.00	0.00	9.25	0.11	0.00	0.11
6.70	0.00	0.00	0.00	9.30	0.12	0.00	0.12
6.75	0.00	0.00	0.00	9.35	0.12	0.00	0.12
6.80	0.00	0.00	0.00	9.40	0.13	0.00	0.13
6.85	0.00	0.00	0.00	9.45	0.14	0.00	0.14
6.90	0.00	0.00	0.00	9.50	0.15	0.00	0.15
6.95	0.00	0.00	0.00	9.55	0.16	0.00	0.16
7.00	0.00	0.00	0.00	9.60	0.17	0.00	0.17
7.05	0.00	0.00	0.00	9.65	0.18	0.00	0.18
7.10	0.00	0.00	0.00	9.70	0.19	0.00	0.19
7.15	0.00	0.00	0.00	9.75	0.20	0.00	0.20
7.20	0.00	0.00	0.00	9.80	0.22	0.00	0.22
7.25	0.00	0.00	0.00	9.85	0.23	0.00	0.23
7.30	0.00	0.00	0.00	9.90	0.24	0.00	0.24
7.35	0.00	0.00	0.00	9.95	0.26	0.00	0.26
7.40	0.00	0.00	0.00	10.00	0.27	0.00	0.27
7.45	0.00	0.00	0.00	10.05	0.29	0.00	0.29
7.50	0.00	0.00	0.00	10.10	0.30	0.00	0.30
7.55	0.00	0.00	0.00	10.15	0.32	0.00	0.32
7.60	0.00	0.00	0.00	10.20	0.33	0.00	0.33
7.65	0.00	0.00	0.00	10.25	0.35	0.00	0.35
7.70	0.00	0.00	0.00	10.30	0.37	0.00	0.37
7.75	0.00	0.00	0.00	10.35	0.39	0.00	0.39

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.40	0.00	0.40	13.00	8.02	0.00	8.02
10.45	0.42	0.00	0.42	13.05	7.35	0.00	7.35
10.50	0.44	0.00	0.44	13.10	6.77	0.00	6.77
10.55	0.46	0.00	0.46	13.15	6.25	0.00	6.25
10.60	0.48	0.00	0.48	13.20	5.80	0.00	5.80
10.65	0.51	0.00	0.51	13.25	5.39	0.00	5.39
10.70	0.53	0.00	0.53	13.30	5.03	0.00	5.03
10.75	0.55	0.00	0.55	13.35	4.71	0.00	4.71
10.80	0.58	0.00	0.58	13.40	4.42	0.00	4.42
10.85	0.61	0.00	0.61	13.45	4.15	0.00	4.15
10.90	0.65	0.00	0.65	13.50	3.91	0.00	3.91
10.95	0.69	0.00	0.69	13.55	3.70	0.00	3.70
11.00	0.73	0.00	0.73	13.60	3.50	0.00	3.50
11.05	0.78	0.00	0.78	13.65	3.32	0.00	3.32
11.10	0.83	0.00	0.83	13.70	3.15	0.00	3.15
11.15	0.89	0.00	0.89	13.75	2.99	0.00	2.99
11.20	0.95	0.00	0.95	13.80	2.85	0.00	2.85
11.25	1.02	0.00	1.02	13.85	2.71	0.00	2.71
11.30	1.09	0.00	1.09	13.90	2.59	0.00	2.59
11.35	1.17	0.00	1.17	13.95	2.47	0.00	2.47
11.40	1.26	0.00	1.26	14.00	2.37	0.00	2.37
11.45	1.36	0.00	1.36	14.05	2.29	0.00	2.29
11.50	1.47	0.00	1.47	14.10	2.22	0.00	2.22
11.55	1.58	0.00	1.58	14.15	2.15	0.00	2.15
11.60	1.71	0.00	1.71	14.20	2.09	0.00	2.09
11.65	1.86	0.00	1.86	14.25	2.04	0.00	2.04
11.70	2.04	0.00	2.04	14.30	2.00	0.00	2.00
11.75	2.24	0.00	2.24	14.35	1.95	0.00	1.95
11.80	2.50	0.00	2.50	14.40	1.91	0.00	1.91
11.85	2.80	0.00	2.80	14.45	1.87	0.00	1.87
11.90	3.17	0.00	3.17	14.50	1.84	0.00	1.84
11.95	3.62	0.00	3.62	14.55	1.80	0.00	1.80
12.00	4.20	0.00	4.20	14.60	1.77	0.00	1.77
12.05	4.97	0.00	4.97	14.65	1.74	0.00	1.74
12.10	5.99	0.00	5.99	14.70	1.70	0.00	1.70
12.15	7.40	0.00	7.40	14.75	1.67	0.00	1.67
12.20	9.14	0.00	9.14	14.80	1.64	0.00	1.64
12.25	11.18	0.00	11.18	14.85	1.61	0.00	1.61
12.30	13.33	0.00	13.33	14.90	1.58	0.00	1.58
12.35	15.25	0.00	15.25	14.95	1.55	0.00	1.55
12.40	16.66	0.00	16.66	15.00	1.52	0.00	1.52
12.45	17.40	0.00	17.40	15.05	1.49	0.00	1.49
12.50	**17.56**	0.00	**17.56**	15.10	1.46	0.00	1.46
12.55	17.15	0.00	17.15	15.15	1.43	0.00	1.43
12.60	16.35	0.00	16.35	15.20	1.40	0.00	1.40
12.65	15.25	0.00	15.25	15.25	1.37	0.00	1.37
12.70	13.98	0.00	13.98	15.30	1.34	0.00	1.34
12.75	12.74	0.00	12.74	15.35	1.31	0.00	1.31
12.80	11.59	0.00	11.59	15.40	1.28	0.00	1.28
12.85	10.55	0.00	10.55	15.45	1.26	0.00	1.26
12.90	9.62	0.00	9.62	15.50	1.24	0.00	1.24
12.95	8.77	0.00	8.77	15.55	1.22	0.00	1.22

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.20	0.00	1.20	18.20	0.75	0.00	0.75
15.65	1.19	0.00	1.19	18.25	0.74	0.00	0.74
15.70	1.17	0.00	1.17	18.30	0.73	0.00	0.73
15.75	1.16	0.00	1.16	18.35	0.72	0.00	0.72
15.80	1.15	0.00	1.15	18.40	0.72	0.00	0.72
15.85	1.14	0.00	1.14	18.45	0.71	0.00	0.71
15.90	1.13	0.00	1.13	18.50	0.70	0.00	0.70
15.95	1.12	0.00	1.12	18.55	0.70	0.00	0.70
16.00	1.11	0.00	1.11	18.60	0.69	0.00	0.69
16.05	1.10	0.00	1.10	18.65	0.69	0.00	0.69
16.10	1.09	0.00	1.09	18.70	0.69	0.00	0.69
16.15	1.08	0.00	1.08	18.75	0.68	0.00	0.68
16.20	1.07	0.00	1.07	18.80	0.68	0.00	0.68
16.25	1.06	0.00	1.06	18.85	0.68	0.00	0.68
16.30	1.05	0.00	1.05	18.90	0.67	0.00	0.67
16.35	1.05	0.00	1.05	18.95	0.67	0.00	0.67
16.40	1.04	0.00	1.04	19.00	0.67	0.00	0.67
16.45	1.03	0.00	1.03	19.05	0.67	0.00	0.67
16.50	1.02	0.00	1.02	19.10	0.66	0.00	0.66
16.55	1.01	0.00	1.01	19.15	0.66	0.00	0.66
16.60	1.01	0.00	1.01	19.20	0.66	0.00	0.66
16.65	1.00	0.00	1.00	19.25	0.66	0.00	0.66
16.70	0.99	0.00	0.99	19.30	0.66	0.00	0.66
16.75	0.98	0.00	0.98	19.35	0.65	0.00	0.65
16.80	0.97	0.00	0.97	19.40	0.65	0.00	0.65
16.85	0.97	0.00	0.97	19.45	0.65	0.00	0.65
16.90	0.96	0.00	0.96	19.50	0.65	0.00	0.65
16.95	0.95	0.00	0.95	19.55	0.65	0.00	0.65
17.00	0.94	0.00	0.94	19.60	0.64	0.00	0.64
17.05	0.93	0.00	0.93	19.65	0.64	0.00	0.64
17.10	0.93	0.00	0.93	19.70	0.64	0.00	0.64
17.15	0.92	0.00	0.92	19.75	0.64	0.00	0.64
17.20	0.91	0.00	0.91	19.80	0.64	0.00	0.64
17.25	0.90	0.00	0.90	19.85	0.63	0.00	0.63
17.30	0.89	0.00	0.89	19.90	0.63	0.00	0.63
17.35	0.89	0.00	0.89	19.95	0.63	0.00	0.63
17.40	0.88	0.00	0.88	20.00	0.63	0.00	0.63
17.45	0.87	0.00	0.87	20.05	0.63	0.00	0.63
17.50	0.86	0.00	0.86	20.10	0.62	0.00	0.62
17.55	0.85	0.00	0.85	20.15	0.62	0.00	0.62
17.60	0.84	0.00	0.84	20.20	0.62	0.00	0.62
17.65	0.84	0.00	0.84	20.25	0.62	0.00	0.62
17.70	0.83	0.00	0.83	20.30	0.62	0.00	0.62
17.75	0.82	0.00	0.82	20.35	0.61	0.00	0.61
17.80	0.81	0.00	0.81	20.40	0.61	0.00	0.61
17.85	0.80	0.00	0.80	20.45	0.61	0.00	0.61
17.90	0.80	0.00	0.80	20.50	0.61	0.00	0.61
17.95	0.79	0.00	0.79	20.55	0.61	0.00	0.61
18.00	0.78	0.00	0.78	20.60	0.60	0.00	0.60
18.05	0.77	0.00	0.77	20.65	0.60	0.00	0.60
18.10	0.76	0.00	0.76	20.70	0.60	0.00	0.60
18.15	0.76	0.00	0.76	20.75	0.60	0.00	0.60

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.60	0.00	0.60	23.40	0.49	0.00	0.49
20.85	0.59	0.00	0.59	23.45	0.49	0.00	0.49
20.90	0.59	0.00	0.59	23.50	0.48	0.00	0.48
20.95	0.59	0.00	0.59	23.55	0.48	0.00	0.48
21.00	0.59	0.00	0.59	23.60	0.48	0.00	0.48
21.05	0.59	0.00	0.59	23.65	0.48	0.00	0.48
21.10	0.58	0.00	0.58	23.70	0.48	0.00	0.48
21.15	0.58	0.00	0.58	23.75	0.47	0.00	0.47
21.20	0.58	0.00	0.58	23.80	0.47	0.00	0.47
21.25	0.58	0.00	0.58	23.85	0.47	0.00	0.47
21.30	0.58	0.00	0.58	23.90	0.47	0.00	0.47
21.35	0.57	0.00	0.57	23.95	0.47	0.00	0.47
21.40	0.57	0.00	0.57	24.00	0.46	0.00	0.46
21.45	0.57	0.00	0.57	24.05	0.46	0.00	0.46
21.50	0.57	0.00	0.57	24.10	0.46	0.00	0.46
21.55	0.57	0.00	0.57	24.15	0.46	0.00	0.46
21.60	0.56	0.00	0.56	24.20	0.45	0.00	0.45
21.65	0.56	0.00	0.56	24.25	0.43	0.00	0.43
21.70	0.56	0.00	0.56	24.30	0.40	0.00	0.40
21.75	0.56	0.00	0.56	24.35	0.37	0.00	0.37
21.80	0.55	0.00	0.55	24.40	0.32	0.00	0.32
21.85	0.55	0.00	0.55	24.45	0.28	0.00	0.28
21.90	0.55	0.00	0.55	24.50	0.23	0.00	0.23
21.95	0.55	0.00	0.55	24.55	0.19	0.00	0.19
22.00	0.55	0.00	0.55	24.60	0.15	0.00	0.15
22.05	0.55	0.00	0.55	24.65	0.12	0.00	0.12
22.10	0.54	0.00	0.54	24.70	0.10	0.00	0.10
22.15	0.54	0.00	0.54	24.75	0.08	0.00	0.08
22.20	0.54	0.00	0.54	24.80	0.06	0.00	0.06
22.25	0.54	0.00	0.54	24.85	0.05	0.00	0.05
22.30	0.53	0.00	0.53	24.90	0.04	0.00	0.04
22.35	0.53	0.00	0.53	24.95	0.03	0.00	0.03
22.40	0.53	0.00	0.53	25.00	0.03	0.00	0.03
22.45	0.53	0.00	0.53	25.05	0.02	0.00	0.02
22.50	0.53	0.00	0.53	25.10	0.02	0.00	0.02
22.55	0.52	0.00	0.52	25.15	0.01	0.00	0.01
22.60	0.52	0.00	0.52	25.20	0.01	0.00	0.01
22.65	0.52	0.00	0.52	25.25	0.01	0.00	0.01
22.70	0.52	0.00	0.52	25.30	0.01	0.00	0.01
22.75	0.52	0.00	0.52	25.35	0.01	0.00	0.01
22.80	0.51	0.00	0.51	25.40	0.00	0.00	0.00
22.85	0.51	0.00	0.51	25.45	0.00	0.00	0.00
22.90	0.51	0.00	0.51	25.50	0.00	0.00	0.00
22.95	0.51	0.00	0.51	25.55	0.00	0.00	0.00
23.00	0.51	0.00	0.51	25.60	0.00	0.00	0.00
23.05	0.50	0.00	0.50	25.65	0.00	0.00	0.00
23.10	0.50	0.00	0.50	25.70	0.00	0.00	0.00
23.15	0.50	0.00	0.50	25.75	0.00	0.00	0.00
23.20	0.50	0.00	0.50	25.80	0.00	0.00	0.00
23.25	0.50	0.00	0.50	25.85	0.00	0.00	0.00
23.30	0.49	0.00	0.49	25.90	0.00	0.00	0.00
23.35	0.49	0.00	0.49	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

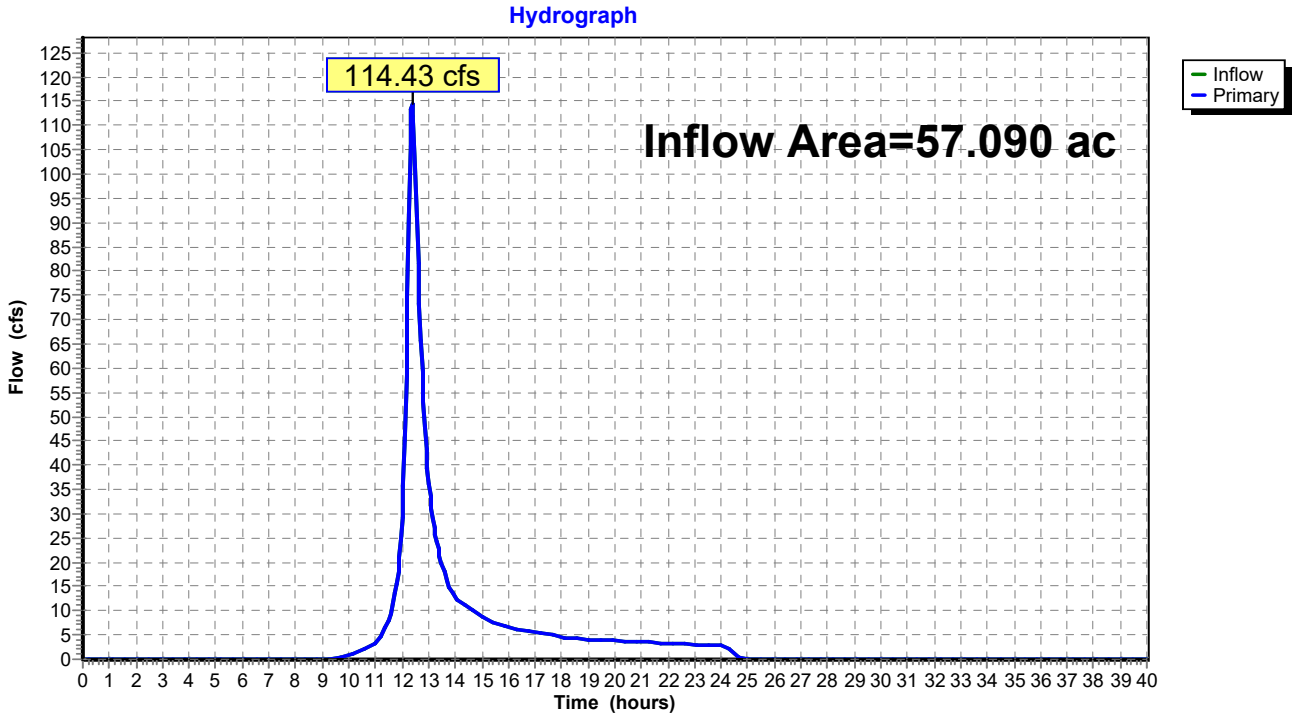
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 2.74" for Future 10 yr event
Inflow = 114.43 cfs @ 12.38 hrs, Volume= 13.018 af
Primary = 114.43 cfs @ 12.38 hrs, Volume= 13.018 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.01	0.00	0.01	4.00	0.05	0.00	0.05
1.45	0.01	0.00	0.01	4.05	0.05	0.00	0.05
1.50	0.01	0.00	0.01	4.10	0.05	0.00	0.05
1.55	0.01	0.00	0.01	4.15	0.05	0.00	0.05
1.60	0.01	0.00	0.01	4.20	0.05	0.00	0.05
1.65	0.01	0.00	0.01	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.02	0.00	0.02	4.55	0.05	0.00	0.05
2.00	0.02	0.00	0.02	4.60	0.05	0.00	0.05
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.03	0.00	0.03	4.85	0.05	0.00	0.05
2.30	0.03	0.00	0.03	4.90	0.05	0.00	0.05
2.35	0.03	0.00	0.03	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.09	0.00	0.09
5.25	0.06	0.00	0.06	7.85	0.09	0.00	0.09
5.30	0.06	0.00	0.06	7.90	0.09	0.00	0.09
5.35	0.06	0.00	0.06	7.95	0.09	0.00	0.09
5.40	0.06	0.00	0.06	8.00	0.09	0.00	0.09
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.10	0.00	0.10
5.80	0.06	0.00	0.06	8.40	0.10	0.00	0.10
5.85	0.06	0.00	0.06	8.45	0.10	0.00	0.10
5.90	0.06	0.00	0.06	8.50	0.10	0.00	0.10
5.95	0.06	0.00	0.06	8.55	0.10	0.00	0.10
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.06	0.00	0.06	8.75	0.11	0.00	0.11
6.20	0.06	0.00	0.06	8.80	0.11	0.00	0.11
6.25	0.06	0.00	0.06	8.85	0.11	0.00	0.11
6.30	0.06	0.00	0.06	8.90	0.11	0.00	0.11
6.35	0.06	0.00	0.06	8.95	0.11	0.00	0.11
6.40	0.07	0.00	0.07	9.00	0.11	0.00	0.11
6.45	0.07	0.00	0.07	9.05	0.12	0.00	0.12
6.50	0.07	0.00	0.07	9.10	0.12	0.00	0.12
6.55	0.07	0.00	0.07	9.15	0.13	0.00	0.13
6.60	0.07	0.00	0.07	9.20	0.14	0.00	0.14
6.65	0.07	0.00	0.07	9.25	0.16	0.00	0.16
6.70	0.07	0.00	0.07	9.30	0.17	0.00	0.17
6.75	0.07	0.00	0.07	9.35	0.20	0.00	0.20
6.80	0.07	0.00	0.07	9.40	0.23	0.00	0.23
6.85	0.07	0.00	0.07	9.45	0.26	0.00	0.26
6.90	0.07	0.00	0.07	9.50	0.30	0.00	0.30
6.95	0.07	0.00	0.07	9.55	0.34	0.00	0.34
7.00	0.08	0.00	0.08	9.60	0.39	0.00	0.39
7.05	0.08	0.00	0.08	9.65	0.44	0.00	0.44
7.10	0.08	0.00	0.08	9.70	0.50	0.00	0.50
7.15	0.08	0.00	0.08	9.75	0.56	0.00	0.56
7.20	0.08	0.00	0.08	9.80	0.62	0.00	0.62
7.25	0.08	0.00	0.08	9.85	0.68	0.00	0.68
7.30	0.08	0.00	0.08	9.90	0.75	0.00	0.75
7.35	0.08	0.00	0.08	9.95	0.83	0.00	0.83
7.40	0.08	0.00	0.08	10.00	0.90	0.00	0.90
7.45	0.08	0.00	0.08	10.05	0.98	0.00	0.98
7.50	0.08	0.00	0.08	10.10	1.06	0.00	1.06
7.55	0.09	0.00	0.09	10.15	1.15	0.00	1.15
7.60	0.09	0.00	0.09	10.20	1.23	0.00	1.23
7.65	0.09	0.00	0.09	10.25	1.33	0.00	1.33
7.70	0.09	0.00	0.09	10.30	1.42	0.00	1.42
7.75	0.09	0.00	0.09	10.35	1.52	0.00	1.52

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.62	0.00	1.62	13.00	36.15	0.00	36.15
10.45	1.72	0.00	1.72	13.05	33.43	0.00	33.43
10.50	1.83	0.00	1.83	13.10	31.09	0.00	31.09
10.55	1.94	0.00	1.94	13.15	29.03	0.00	29.03
10.60	2.06	0.00	2.06	13.20	27.19	0.00	27.19
10.65	2.18	0.00	2.18	13.25	25.52	0.00	25.52
10.70	2.32	0.00	2.32	13.30	24.02	0.00	24.02
10.75	2.48	0.00	2.48	13.35	22.65	0.00	22.65
10.80	2.66	0.00	2.66	13.40	21.42	0.00	21.42
10.85	2.86	0.00	2.86	13.45	20.29	0.00	20.29
10.90	3.08	0.00	3.08	13.50	19.27	0.00	19.27
10.95	3.33	0.00	3.33	13.55	18.35	0.00	18.35
11.00	3.60	0.00	3.60	13.60	17.51	0.00	17.51
11.05	3.89	0.00	3.89	13.65	16.72	0.00	16.72
11.10	4.20	0.00	4.20	13.70	15.98	0.00	15.98
11.15	4.54	0.00	4.54	13.75	15.27	0.00	15.27
11.20	4.92	0.00	4.92	13.80	14.63	0.00	14.63
11.25	5.34	0.00	5.34	13.85	14.05	0.00	14.05
11.30	5.81	0.00	5.81	13.90	13.55	0.00	13.55
11.35	6.34	0.00	6.34	13.95	13.11	0.00	13.11
11.40	6.91	0.00	6.91	14.00	12.75	0.00	12.75
11.45	7.54	0.00	7.54	14.05	12.43	0.00	12.43
11.50	8.22	0.00	8.22	14.10	12.15	0.00	12.15
11.55	8.95	0.00	8.95	14.15	11.89	0.00	11.89
11.60	9.78	0.00	9.78	14.20	11.66	0.00	11.66
11.65	10.80	0.00	10.80	14.25	11.44	0.00	11.44
11.70	12.08	0.00	12.08	14.30	11.23	0.00	11.23
11.75	13.68	0.00	13.68	14.35	11.04	0.00	11.04
11.80	15.62	0.00	15.62	14.40	10.84	0.00	10.84
11.85	17.94	0.00	17.94	14.45	10.66	0.00	10.66
11.90	20.77	0.00	20.77	14.50	10.47	0.00	10.47
11.95	24.39	0.00	24.39	14.55	10.29	0.00	10.29
12.00	29.21	0.00	29.21	14.60	10.11	0.00	10.11
12.05	35.80	0.00	35.80	14.65	9.93	0.00	9.93
12.10	45.28	0.00	45.28	14.70	9.75	0.00	9.75
12.15	58.46	0.00	58.46	14.75	9.57	0.00	9.57
12.20	74.78	0.00	74.78	14.80	9.39	0.00	9.39
12.25	91.84	0.00	91.84	14.85	9.21	0.00	9.21
12.30	105.88	0.00	105.88	14.90	9.03	0.00	9.03
12.35	113.37	0.00	113.37	14.95	8.86	0.00	8.86
12.40	**114.09**	0.00	**114.09**	15.00	8.68	0.00	8.68
12.45	109.62	0.00	109.62	15.05	8.50	0.00	8.50
12.50	101.41	0.00	101.41	15.10	8.32	0.00	8.32
12.55	91.45	0.00	91.45	15.15	8.14	0.00	8.14
12.60	81.66	0.00	81.66	15.20	7.96	0.00	7.96
12.65	73.26	0.00	73.26	15.25	7.79	0.00	7.79
12.70	65.85	0.00	65.85	15.30	7.63	0.00	7.63
12.75	59.14	0.00	59.14	15.35	7.48	0.00	7.48
12.80	53.11	0.00	53.11	15.40	7.35	0.00	7.35
12.85	47.86	0.00	47.86	15.45	7.24	0.00	7.24
12.90	43.31	0.00	43.31	15.50	7.14	0.00	7.14
12.95	39.42	0.00	39.42	15.55	7.06	0.00	7.06

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.98	0.00	6.98	18.20	4.41	0.00	4.41
15.65	6.92	0.00	6.92	18.25	4.36	0.00	4.36
15.70	6.85	0.00	6.85	18.30	4.32	0.00	4.32
15.75	6.80	0.00	6.80	18.35	4.28	0.00	4.28
15.80	6.74	0.00	6.74	18.40	4.24	0.00	4.24
15.85	6.69	0.00	6.69	18.45	4.21	0.00	4.21
15.90	6.63	0.00	6.63	18.50	4.19	0.00	4.19
15.95	6.58	0.00	6.58	18.55	4.16	0.00	4.16
16.00	6.53	0.00	6.53	18.60	4.14	0.00	4.14
16.05	6.49	0.00	6.49	18.65	4.13	0.00	4.13
16.10	6.44	0.00	6.44	18.70	4.11	0.00	4.11
16.15	6.39	0.00	6.39	18.75	4.09	0.00	4.09
16.20	6.34	0.00	6.34	18.80	4.08	0.00	4.08
16.25	6.30	0.00	6.30	18.85	4.07	0.00	4.07
16.30	6.25	0.00	6.25	18.90	4.05	0.00	4.05
16.35	6.20	0.00	6.20	18.95	4.04	0.00	4.04
16.40	6.16	0.00	6.16	19.00	4.03	0.00	4.03
16.45	6.11	0.00	6.11	19.05	4.02	0.00	4.02
16.50	6.06	0.00	6.06	19.10	4.00	0.00	4.00
16.55	6.01	0.00	6.01	19.15	3.99	0.00	3.99
16.60	5.96	0.00	5.96	19.20	3.98	0.00	3.98
16.65	5.92	0.00	5.92	19.25	3.97	0.00	3.97
16.70	5.87	0.00	5.87	19.30	3.96	0.00	3.96
16.75	5.82	0.00	5.82	19.35	3.94	0.00	3.94
16.80	5.77	0.00	5.77	19.40	3.93	0.00	3.93
16.85	5.73	0.00	5.73	19.45	3.92	0.00	3.92
16.90	5.68	0.00	5.68	19.50	3.91	0.00	3.91
16.95	5.63	0.00	5.63	19.55	3.90	0.00	3.90
17.00	5.58	0.00	5.58	19.60	3.89	0.00	3.89
17.05	5.53	0.00	5.53	19.65	3.87	0.00	3.87
17.10	5.49	0.00	5.49	19.70	3.86	0.00	3.86
17.15	5.44	0.00	5.44	19.75	3.85	0.00	3.85
17.20	5.39	0.00	5.39	19.80	3.84	0.00	3.84
17.25	5.34	0.00	5.34	19.85	3.83	0.00	3.83
17.30	5.30	0.00	5.30	19.90	3.82	0.00	3.82
17.35	5.25	0.00	5.25	19.95	3.81	0.00	3.81
17.40	5.20	0.00	5.20	20.00	3.80	0.00	3.80
17.45	5.15	0.00	5.15	20.05	3.78	0.00	3.78
17.50	5.10	0.00	5.10	20.10	3.77	0.00	3.77
17.55	5.05	0.00	5.05	20.15	3.76	0.00	3.76
17.60	5.00	0.00	5.00	20.20	3.75	0.00	3.75
17.65	4.95	0.00	4.95	20.25	3.73	0.00	3.73
17.70	4.90	0.00	4.90	20.30	3.72	0.00	3.72
17.75	4.85	0.00	4.85	20.35	3.71	0.00	3.71
17.80	4.80	0.00	4.80	20.40	3.69	0.00	3.69
17.85	4.76	0.00	4.76	20.45	3.68	0.00	3.68
17.90	4.71	0.00	4.71	20.50	3.67	0.00	3.67
17.95	4.66	0.00	4.66	20.55	3.66	0.00	3.66
18.00	4.61	0.00	4.61	20.60	3.65	0.00	3.65
18.05	4.56	0.00	4.56	20.65	3.63	0.00	3.63
18.10	4.51	0.00	4.51	20.70	3.62	0.00	3.62
18.15	4.46	0.00	4.46	20.75	3.61	0.00	3.61

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.60	0.00	3.60	23.40	2.96	0.00	2.96
20.85	3.59	0.00	3.59	23.45	2.94	0.00	2.94
20.90	3.58	0.00	3.58	23.50	2.93	0.00	2.93
20.95	3.57	0.00	3.57	23.55	2.92	0.00	2.92
21.00	3.55	0.00	3.55	23.60	2.91	0.00	2.91
21.05	3.54	0.00	3.54	23.65	2.89	0.00	2.89
21.10	3.53	0.00	3.53	23.70	2.88	0.00	2.88
21.15	3.51	0.00	3.51	23.75	2.87	0.00	2.87
21.20	3.50	0.00	3.50	23.80	2.86	0.00	2.86
21.25	3.49	0.00	3.49	23.85	2.84	0.00	2.84
21.30	3.47	0.00	3.47	23.90	2.83	0.00	2.83
21.35	3.46	0.00	3.46	23.95	2.82	0.00	2.82
21.40	3.45	0.00	3.45	24.00	2.81	0.00	2.81
21.45	3.44	0.00	3.44	24.05	2.82	0.00	2.82
21.50	3.43	0.00	3.43	24.10	2.81	0.00	2.81
21.55	3.42	0.00	3.42	24.15	2.76	0.00	2.76
21.60	3.41	0.00	3.41	24.20	2.62	0.00	2.62
21.65	3.39	0.00	3.39	24.25	2.36	0.00	2.36
21.70	3.38	0.00	3.38	24.30	2.03	0.00	2.03
21.75	3.37	0.00	3.37	24.35	1.66	0.00	1.66
21.80	3.35	0.00	3.35	24.40	1.31	0.00	1.31
21.85	3.34	0.00	3.34	24.45	0.99	0.00	0.99
21.90	3.33	0.00	3.33	24.50	0.74	0.00	0.74
21.95	3.32	0.00	3.32	24.55	0.56	0.00	0.56
22.00	3.31	0.00	3.31	24.60	0.42	0.00	0.42
22.05	3.30	0.00	3.30	24.65	0.32	0.00	0.32
22.10	3.28	0.00	3.28	24.70	0.24	0.00	0.24
22.15	3.27	0.00	3.27	24.75	0.18	0.00	0.18
22.20	3.26	0.00	3.26	24.80	0.14	0.00	0.14
22.25	3.24	0.00	3.24	24.85	0.10	0.00	0.10
22.30	3.23	0.00	3.23	24.90	0.08	0.00	0.08
22.35	3.22	0.00	3.22	24.95	0.06	0.00	0.06
22.40	3.21	0.00	3.21	25.00	0.04	0.00	0.04
22.45	3.20	0.00	3.20	25.05	0.03	0.00	0.03
22.50	3.18	0.00	3.18	25.10	0.02	0.00	0.02
22.55	3.17	0.00	3.17	25.15	0.02	0.00	0.02
22.60	3.16	0.00	3.16	25.20	0.01	0.00	0.01
22.65	3.14	0.00	3.14	25.25	0.01	0.00	0.01
22.70	3.13	0.00	3.13	25.30	0.00	0.00	0.00
22.75	3.12	0.00	3.12	25.35	0.00	0.00	0.00
22.80	3.11	0.00	3.11	25.40	0.00	0.00	0.00
22.85	3.10	0.00	3.10	25.45	0.00	0.00	0.00
22.90	3.08	0.00	3.08	25.50	0.00	0.00	0.00
22.95	3.07	0.00	3.07	25.55	0.00	0.00	0.00
23.00	3.06	0.00	3.06	25.60	0.00	0.00	0.00
23.05	3.04	0.00	3.04	25.65	0.00	0.00	0.00
23.10	3.03	0.00	3.03	25.70	0.00	0.00	0.00
23.15	3.02	0.00	3.02	25.75	0.00	0.00	0.00
23.20	3.01	0.00	3.01	25.80	0.00	0.00	0.00
23.25	3.00	0.00	3.00	25.85	0.00	0.00	0.00
23.30	2.98	0.00	2.98	25.90	0.00	0.00	0.00
23.35	2.97	0.00	2.97	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

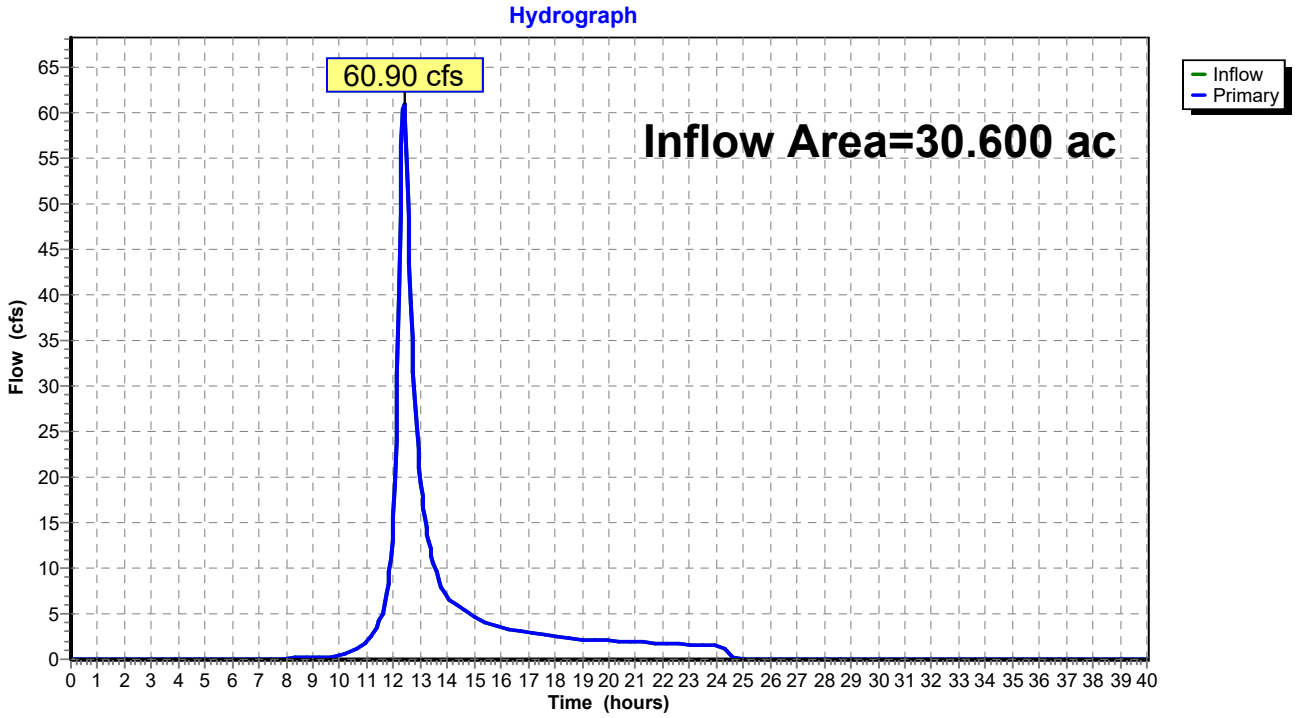
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.73" for Future 10 yr event
Inflow = 60.90 cfs @ 12.38 hrs, Volume= 6.956 af
Primary = 60.90 cfs @ 12.38 hrs, Volume= 6.956 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.01	0.00	0.01	4.00	0.05	0.00	0.05
1.45	0.01	0.00	0.01	4.05	0.05	0.00	0.05
1.50	0.01	0.00	0.01	4.10	0.05	0.00	0.05
1.55	0.01	0.00	0.01	4.15	0.05	0.00	0.05
1.60	0.01	0.00	0.01	4.20	0.05	0.00	0.05
1.65	0.01	0.00	0.01	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.02	0.00	0.02	4.55	0.05	0.00	0.05
2.00	0.02	0.00	0.02	4.60	0.05	0.00	0.05
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.03	0.00	0.03	4.85	0.05	0.00	0.05
2.30	0.03	0.00	0.03	4.90	0.05	0.00	0.05
2.35	0.03	0.00	0.03	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.09	0.00	0.09
5.25	0.06	0.00	0.06	7.85	0.09	0.00	0.09
5.30	0.06	0.00	0.06	7.90	0.09	0.00	0.09
5.35	0.06	0.00	0.06	7.95	0.09	0.00	0.09
5.40	0.06	0.00	0.06	8.00	0.09	0.00	0.09
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.10	0.00	0.10
5.80	0.06	0.00	0.06	8.40	0.10	0.00	0.10
5.85	0.06	0.00	0.06	8.45	0.10	0.00	0.10
5.90	0.06	0.00	0.06	8.50	0.10	0.00	0.10
5.95	0.06	0.00	0.06	8.55	0.10	0.00	0.10
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.06	0.00	0.06	8.75	0.11	0.00	0.11
6.20	0.06	0.00	0.06	8.80	0.11	0.00	0.11
6.25	0.06	0.00	0.06	8.85	0.11	0.00	0.11
6.30	0.06	0.00	0.06	8.90	0.11	0.00	0.11
6.35	0.06	0.00	0.06	8.95	0.11	0.00	0.11
6.40	0.07	0.00	0.07	9.00	0.11	0.00	0.11
6.45	0.07	0.00	0.07	9.05	0.11	0.00	0.11
6.50	0.07	0.00	0.07	9.10	0.11	0.00	0.11
6.55	0.07	0.00	0.07	9.15	0.12	0.00	0.12
6.60	0.07	0.00	0.07	9.20	0.12	0.00	0.12
6.65	0.07	0.00	0.07	9.25	0.12	0.00	0.12
6.70	0.07	0.00	0.07	9.30	0.13	0.00	0.13
6.75	0.07	0.00	0.07	9.35	0.13	0.00	0.13
6.80	0.07	0.00	0.07	9.40	0.15	0.00	0.15
6.85	0.07	0.00	0.07	9.45	0.16	0.00	0.16
6.90	0.07	0.00	0.07	9.50	0.18	0.00	0.18
6.95	0.07	0.00	0.07	9.55	0.20	0.00	0.20
7.00	0.08	0.00	0.08	9.60	0.22	0.00	0.22
7.05	0.08	0.00	0.08	9.65	0.25	0.00	0.25
7.10	0.08	0.00	0.08	9.70	0.28	0.00	0.28
7.15	0.08	0.00	0.08	9.75	0.31	0.00	0.31
7.20	0.08	0.00	0.08	9.80	0.34	0.00	0.34
7.25	0.08	0.00	0.08	9.85	0.38	0.00	0.38
7.30	0.08	0.00	0.08	9.90	0.41	0.00	0.41
7.35	0.08	0.00	0.08	9.95	0.45	0.00	0.45
7.40	0.08	0.00	0.08	10.00	0.49	0.00	0.49
7.45	0.08	0.00	0.08	10.05	0.53	0.00	0.53
7.50	0.08	0.00	0.08	10.10	0.58	0.00	0.58
7.55	0.09	0.00	0.09	10.15	0.62	0.00	0.62
7.60	0.09	0.00	0.09	10.20	0.67	0.00	0.67
7.65	0.09	0.00	0.09	10.25	0.72	0.00	0.72
7.70	0.09	0.00	0.09	10.30	0.77	0.00	0.77
7.75	0.09	0.00	0.09	10.35	0.82	0.00	0.82

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.87	0.00	0.87	13.00	19.26	0.00	19.26
10.45	0.93	0.00	0.93	13.05	17.81	0.00	17.81
10.50	0.98	0.00	0.98	13.10	16.57	0.00	16.57
10.55	1.04	0.00	1.04	13.15	15.47	0.00	15.47
10.60	1.10	0.00	1.10	13.20	14.49	0.00	14.49
10.65	1.17	0.00	1.17	13.25	13.60	0.00	13.60
10.70	1.24	0.00	1.24	13.30	12.80	0.00	12.80
10.75	1.33	0.00	1.33	13.35	12.07	0.00	12.07
10.80	1.42	0.00	1.42	13.40	11.41	0.00	11.41
10.85	1.53	0.00	1.53	13.45	10.82	0.00	10.82
10.90	1.65	0.00	1.65	13.50	10.27	0.00	10.27
10.95	1.78	0.00	1.78	13.55	9.78	0.00	9.78
11.00	1.92	0.00	1.92	13.60	9.33	0.00	9.33
11.05	2.08	0.00	2.08	13.65	8.91	0.00	8.91
11.10	2.24	0.00	2.24	13.70	8.52	0.00	8.52
11.15	2.42	0.00	2.42	13.75	8.14	0.00	8.14
11.20	2.62	0.00	2.62	13.80	7.80	0.00	7.80
11.25	2.85	0.00	2.85	13.85	7.49	0.00	7.49
11.30	3.10	0.00	3.10	13.90	7.22	0.00	7.22
11.35	3.38	0.00	3.38	13.95	6.99	0.00	6.99
11.40	3.68	0.00	3.68	14.00	6.80	0.00	6.80
11.45	4.02	0.00	4.02	14.05	6.63	0.00	6.63
11.50	4.38	0.00	4.38	14.10	6.48	0.00	6.48
11.55	4.76	0.00	4.76	14.15	6.34	0.00	6.34
11.60	5.21	0.00	5.21	14.20	6.22	0.00	6.22
11.65	5.75	0.00	5.75	14.25	6.10	0.00	6.10
11.70	6.43	0.00	6.43	14.30	5.99	0.00	5.99
11.75	7.28	0.00	7.28	14.35	5.88	0.00	5.88
11.80	8.31	0.00	8.31	14.40	5.78	0.00	5.78
11.85	9.54	0.00	9.54	14.45	5.68	0.00	5.68
11.90	11.05	0.00	11.05	14.50	5.58	0.00	5.58
11.95	12.97	0.00	12.97	14.55	5.49	0.00	5.49
12.00	15.54	0.00	15.54	14.60	5.39	0.00	5.39
12.05	19.04	0.00	19.04	14.65	5.30	0.00	5.30
12.10	24.08	0.00	24.08	14.70	5.20	0.00	5.20
12.15	31.09	0.00	31.09	14.75	5.10	0.00	5.10
12.20	39.78	0.00	39.78	14.80	5.01	0.00	5.01
12.25	48.86	0.00	48.86	14.85	4.91	0.00	4.91
12.30	56.34	0.00	56.34	14.90	4.82	0.00	4.82
12.35	60.33	0.00	60.33	14.95	4.72	0.00	4.72
12.40	**60.72**	0.00	**60.72**	15.00	4.63	0.00	4.63
12.45	58.35	0.00	58.35	15.05	4.53	0.00	4.53
12.50	53.98	0.00	53.98	15.10	4.44	0.00	4.44
12.55	48.69	0.00	48.69	15.15	4.34	0.00	4.34
12.60	43.48	0.00	43.48	15.20	4.24	0.00	4.24
12.65	39.01	0.00	39.01	15.25	4.15	0.00	4.15
12.70	35.07	0.00	35.07	15.30	4.07	0.00	4.07
12.75	31.50	0.00	31.50	15.35	3.99	0.00	3.99
12.80	28.29	0.00	28.29	15.40	3.92	0.00	3.92
12.85	25.49	0.00	25.49	15.45	3.86	0.00	3.86
12.90	23.07	0.00	23.07	15.50	3.81	0.00	3.81
12.95	21.00	0.00	21.00	15.55	3.76	0.00	3.76

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.72	0.00	3.72	18.20	2.35	0.00	2.35
15.65	3.69	0.00	3.69	18.25	2.33	0.00	2.33
15.70	3.66	0.00	3.66	18.30	2.30	0.00	2.30
15.75	3.63	0.00	3.63	18.35	2.28	0.00	2.28
15.80	3.60	0.00	3.60	18.40	2.26	0.00	2.26
15.85	3.57	0.00	3.57	18.45	2.25	0.00	2.25
15.90	3.54	0.00	3.54	18.50	2.23	0.00	2.23
15.95	3.51	0.00	3.51	18.55	2.22	0.00	2.22
16.00	3.48	0.00	3.48	18.60	2.21	0.00	2.21
16.05	3.46	0.00	3.46	18.65	2.20	0.00	2.20
16.10	3.43	0.00	3.43	18.70	2.19	0.00	2.19
16.15	3.41	0.00	3.41	18.75	2.18	0.00	2.18
16.20	3.38	0.00	3.38	18.80	2.18	0.00	2.18
16.25	3.36	0.00	3.36	18.85	2.17	0.00	2.17
16.30	3.33	0.00	3.33	18.90	2.16	0.00	2.16
16.35	3.31	0.00	3.31	18.95	2.16	0.00	2.16
16.40	3.28	0.00	3.28	19.00	2.15	0.00	2.15
16.45	3.26	0.00	3.26	19.05	2.14	0.00	2.14
16.50	3.23	0.00	3.23	19.10	2.14	0.00	2.14
16.55	3.21	0.00	3.21	19.15	2.13	0.00	2.13
16.60	3.18	0.00	3.18	19.20	2.12	0.00	2.12
16.65	3.16	0.00	3.16	19.25	2.12	0.00	2.12
16.70	3.13	0.00	3.13	19.30	2.11	0.00	2.11
16.75	3.11	0.00	3.11	19.35	2.10	0.00	2.10
16.80	3.08	0.00	3.08	19.40	2.10	0.00	2.10
16.85	3.05	0.00	3.05	19.45	2.09	0.00	2.09
16.90	3.03	0.00	3.03	19.50	2.09	0.00	2.09
16.95	3.00	0.00	3.00	19.55	2.08	0.00	2.08
17.00	2.98	0.00	2.98	19.60	2.07	0.00	2.07
17.05	2.95	0.00	2.95	19.65	2.07	0.00	2.07
17.10	2.93	0.00	2.93	19.70	2.06	0.00	2.06
17.15	2.90	0.00	2.90	19.75	2.05	0.00	2.05
17.20	2.88	0.00	2.88	19.80	2.05	0.00	2.05
17.25	2.85	0.00	2.85	19.85	2.04	0.00	2.04
17.30	2.82	0.00	2.82	19.90	2.04	0.00	2.04
17.35	2.80	0.00	2.80	19.95	2.03	0.00	2.03
17.40	2.77	0.00	2.77	20.00	2.03	0.00	2.03
17.45	2.75	0.00	2.75	20.05	2.02	0.00	2.02
17.50	2.72	0.00	2.72	20.10	2.01	0.00	2.01
17.55	2.69	0.00	2.69	20.15	2.01	0.00	2.01
17.60	2.67	0.00	2.67	20.20	2.00	0.00	2.00
17.65	2.64	0.00	2.64	20.25	1.99	0.00	1.99
17.70	2.61	0.00	2.61	20.30	1.98	0.00	1.98
17.75	2.59	0.00	2.59	20.35	1.98	0.00	1.98
17.80	2.56	0.00	2.56	20.40	1.97	0.00	1.97
17.85	2.54	0.00	2.54	20.45	1.96	0.00	1.96
17.90	2.51	0.00	2.51	20.50	1.96	0.00	1.96
17.95	2.48	0.00	2.48	20.55	1.95	0.00	1.95
18.00	2.46	0.00	2.46	20.60	1.94	0.00	1.94
18.05	2.43	0.00	2.43	20.65	1.94	0.00	1.94
18.10	2.40	0.00	2.40	20.70	1.93	0.00	1.93
18.15	2.38	0.00	2.38	20.75	1.93	0.00	1.93

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.92	0.00	1.92	23.40	1.58	0.00	1.58
20.85	1.92	0.00	1.92	23.45	1.57	0.00	1.57
20.90	1.91	0.00	1.91	23.50	1.56	0.00	1.56
20.95	1.90	0.00	1.90	23.55	1.56	0.00	1.56
21.00	1.90	0.00	1.90	23.60	1.55	0.00	1.55
21.05	1.89	0.00	1.89	23.65	1.54	0.00	1.54
21.10	1.88	0.00	1.88	23.70	1.54	0.00	1.54
21.15	1.87	0.00	1.87	23.75	1.53	0.00	1.53
21.20	1.87	0.00	1.87	23.80	1.52	0.00	1.52
21.25	1.86	0.00	1.86	23.85	1.52	0.00	1.52
21.30	1.85	0.00	1.85	23.90	1.51	0.00	1.51
21.35	1.85	0.00	1.85	23.95	1.51	0.00	1.51
21.40	1.84	0.00	1.84	24.00	1.50	0.00	1.50
21.45	1.84	0.00	1.84	24.05	1.50	0.00	1.50
21.50	1.83	0.00	1.83	24.10	1.50	0.00	1.50
21.55	1.82	0.00	1.82	24.15	1.47	0.00	1.47
21.60	1.82	0.00	1.82	24.20	1.40	0.00	1.40
21.65	1.81	0.00	1.81	24.25	1.26	0.00	1.26
21.70	1.80	0.00	1.80	24.30	1.08	0.00	1.08
21.75	1.80	0.00	1.80	24.35	0.89	0.00	0.89
21.80	1.79	0.00	1.79	24.40	0.70	0.00	0.70
21.85	1.78	0.00	1.78	24.45	0.53	0.00	0.53
21.90	1.78	0.00	1.78	24.50	0.40	0.00	0.40
21.95	1.77	0.00	1.77	24.55	0.30	0.00	0.30
22.00	1.76	0.00	1.76	24.60	0.23	0.00	0.23
22.05	1.76	0.00	1.76	24.65	0.17	0.00	0.17
22.10	1.75	0.00	1.75	24.70	0.13	0.00	0.13
22.15	1.75	0.00	1.75	24.75	0.10	0.00	0.10
22.20	1.74	0.00	1.74	24.80	0.07	0.00	0.07
22.25	1.73	0.00	1.73	24.85	0.05	0.00	0.05
22.30	1.72	0.00	1.72	24.90	0.04	0.00	0.04
22.35	1.72	0.00	1.72	24.95	0.03	0.00	0.03
22.40	1.71	0.00	1.71	25.00	0.02	0.00	0.02
22.45	1.71	0.00	1.71	25.05	0.02	0.00	0.02
22.50	1.70	0.00	1.70	25.10	0.01	0.00	0.01
22.55	1.69	0.00	1.69	25.15	0.01	0.00	0.01
22.60	1.68	0.00	1.68	25.20	0.01	0.00	0.01
22.65	1.68	0.00	1.68	25.25	0.00	0.00	0.00
22.70	1.67	0.00	1.67	25.30	0.00	0.00	0.00
22.75	1.67	0.00	1.67	25.35	0.00	0.00	0.00
22.80	1.66	0.00	1.66	25.40	0.00	0.00	0.00
22.85	1.65	0.00	1.65	25.45	0.00	0.00	0.00
22.90	1.65	0.00	1.65	25.50	0.00	0.00	0.00
22.95	1.64	0.00	1.64	25.55	0.00	0.00	0.00
23.00	1.63	0.00	1.63	25.60	0.00	0.00	0.00
23.05	1.62	0.00	1.62	25.65	0.00	0.00	0.00
23.10	1.62	0.00	1.62	25.70	0.00	0.00	0.00
23.15	1.61	0.00	1.61	25.75	0.00	0.00	0.00
23.20	1.61	0.00	1.61	25.80	0.00	0.00	0.00
23.25	1.60	0.00	1.60	25.85	0.00	0.00	0.00
23.30	1.59	0.00	1.59	25.90	0.00	0.00	0.00
23.35	1.58	0.00	1.58	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment X-1I: XDA-1 (offsite impervious)

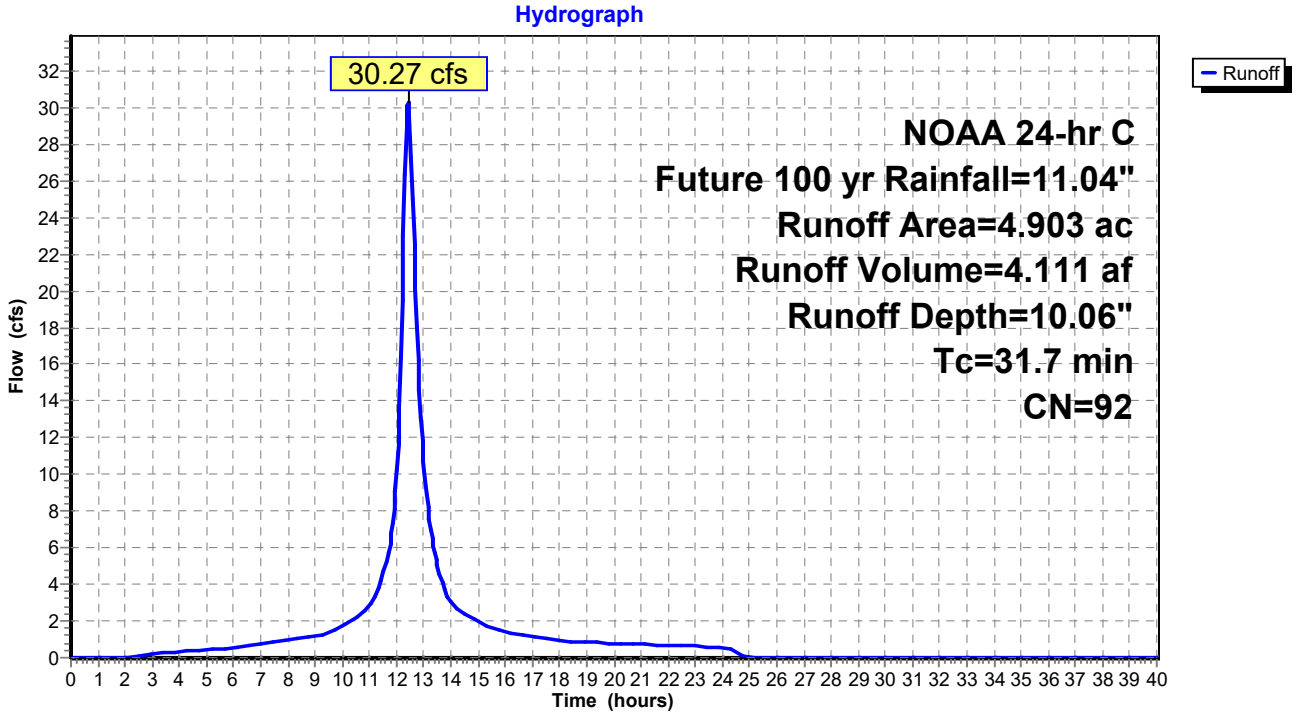
Runoff = 30.27 cfs @ 12.43 hrs, Volume= 4.111 af, Depth=10.06"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1I: XDA-1 (offsite impervious)



Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.02	0.12
0.05	0.01	0.00	0.00	2.65	0.34	0.03	0.13
0.10	0.01	0.00	0.00	2.70	0.35	0.03	0.14
0.15	0.02	0.00	0.00	2.75	0.35	0.03	0.14
0.20	0.03	0.00	0.00	2.80	0.36	0.03	0.15
0.25	0.03	0.00	0.00	2.85	0.37	0.04	0.16
0.30	0.04	0.00	0.00	2.90	0.38	0.04	0.17
0.35	0.04	0.00	0.00	2.95	0.38	0.04	0.18
0.40	0.05	0.00	0.00	3.00	0.39	0.04	0.18
0.45	0.05	0.00	0.00	3.05	0.40	0.05	0.19
0.50	0.06	0.00	0.00	3.10	0.40	0.05	0.20
0.55	0.07	0.00	0.00	3.15	0.41	0.05	0.21
0.60	0.07	0.00	0.00	3.20	0.42	0.05	0.21
0.65	0.08	0.00	0.00	3.25	0.43	0.06	0.22
0.70	0.08	0.00	0.00	3.30	0.43	0.06	0.23
0.75	0.09	0.00	0.00	3.35	0.44	0.06	0.24
0.80	0.10	0.00	0.00	3.40	0.45	0.07	0.24
0.85	0.10	0.00	0.00	3.45	0.46	0.07	0.25
0.90	0.11	0.00	0.00	3.50	0.46	0.07	0.26
0.95	0.11	0.00	0.00	3.55	0.47	0.08	0.26
1.00	0.12	0.00	0.00	3.60	0.48	0.08	0.27
1.05	0.13	0.00	0.00	3.65	0.49	0.08	0.28
1.10	0.13	0.00	0.00	3.70	0.49	0.09	0.29
1.15	0.14	0.00	0.00	3.75	0.50	0.09	0.29
1.20	0.15	0.00	0.00	3.80	0.51	0.09	0.30
1.25	0.15	0.00	0.00	3.85	0.52	0.10	0.31
1.30	0.16	0.00	0.00	3.90	0.52	0.10	0.31
1.35	0.16	0.00	0.00	3.95	0.53	0.10	0.32
1.40	0.17	0.00	0.00	4.00	0.54	0.11	0.33
1.45	0.18	0.00	0.00	4.05	0.55	0.11	0.33
1.50	0.18	0.00	0.00	4.10	0.56	0.12	0.34
1.55	0.19	0.00	0.00	4.15	0.56	0.12	0.35
1.60	0.20	0.00	0.00	4.20	0.57	0.12	0.35
1.65	0.20	0.00	0.00	4.25	0.58	0.13	0.36
1.70	0.21	0.00	0.00	4.30	0.59	0.13	0.37
1.75	0.22	0.00	0.00	4.35	0.60	0.14	0.37
1.80	0.22	0.00	0.01	4.40	0.60	0.14	0.38
1.85	0.23	0.00	0.01	4.45	0.61	0.15	0.38
1.90	0.24	0.00	0.01	4.50	0.62	0.15	0.39
1.95	0.24	0.01	0.02	4.55	0.63	0.16	0.40
2.00	0.25	0.01	0.03	4.60	0.64	0.16	0.40
2.05	0.26	0.01	0.03	4.65	0.64	0.17	0.41
2.10	0.26	0.01	0.04	4.70	0.65	0.17	0.42
2.15	0.27	0.01	0.05	4.75	0.66	0.17	0.42
2.20	0.28	0.01	0.06	4.80	0.67	0.18	0.43
2.25	0.28	0.01	0.06	4.85	0.68	0.18	0.43
2.30	0.29	0.01	0.07	4.90	0.69	0.19	0.44
2.35	0.30	0.02	0.08	4.95	0.69	0.19	0.45
2.40	0.30	0.02	0.09	5.00	0.70	0.20	0.45
2.45	0.31	0.02	0.10	5.05	0.71	0.20	0.46
2.50	0.32	0.02	0.10	5.10	0.72	0.21	0.46
2.55	0.33	0.02	0.11	5.15	0.73	0.22	0.47

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.22	0.47	7.80	1.27	0.61	0.91
5.25	0.74	0.23	0.48	7.85	1.28	0.62	0.93
5.30	0.75	0.23	0.49	7.90	1.30	0.63	0.94
5.35	0.76	0.24	0.49	7.95	1.31	0.64	0.95
5.40	0.77	0.24	0.50	8.00	1.32	0.65	0.96
5.45	0.78	0.25	0.50	8.05	1.34	0.66	0.97
5.50	0.79	0.25	0.51	8.10	1.35	0.68	0.98
5.55	0.80	0.26	0.51	8.15	1.36	0.69	1.00
5.60	0.80	0.27	0.52	8.20	1.38	0.70	1.01
5.65	0.81	0.27	0.52	8.25	1.39	0.71	1.02
5.70	0.82	0.28	0.53	8.30	1.40	0.72	1.03
5.75	0.83	0.28	0.53	8.35	1.42	0.73	1.04
5.80	0.84	0.29	0.54	8.40	1.43	0.74	1.06
5.85	0.85	0.29	0.55	8.45	1.45	0.76	1.07
5.90	0.86	0.30	0.55	8.50	1.46	0.77	1.08
5.95	0.87	0.31	0.56	8.55	1.48	0.78	1.09
6.00	0.87	0.31	0.56	8.60	1.49	0.79	1.10
6.05	0.88	0.32	0.57	8.65	1.51	0.81	1.12
6.10	0.89	0.33	0.57	8.70	1.52	0.82	1.13
6.15	0.90	0.33	0.58	8.75	1.54	0.83	1.14
6.20	0.91	0.34	0.58	8.80	1.55	0.84	1.15
6.25	0.92	0.35	0.59	8.85	1.57	0.86	1.17
6.30	0.93	0.35	0.60	8.90	1.58	0.87	1.18
6.35	0.94	0.36	0.60	8.95	1.60	0.88	1.19
6.40	0.95	0.37	0.61	9.00	1.61	0.90	1.20
6.45	0.96	0.37	0.62	9.05	1.63	0.91	1.21
6.50	0.97	0.38	0.63	9.10	1.64	0.92	1.23
6.55	0.98	0.39	0.64	9.15	1.66	0.94	1.24
6.60	0.99	0.40	0.65	9.20	1.68	0.95	1.25
6.65	1.00	0.40	0.66	9.25	1.70	0.97	1.27
6.70	1.01	0.41	0.67	9.30	1.72	0.99	1.29
6.75	1.02	0.42	0.68	9.35	1.73	1.00	1.31
6.80	1.03	0.43	0.69	9.40	1.75	1.02	1.33
6.85	1.04	0.44	0.70	9.45	1.77	1.04	1.36
6.90	1.05	0.44	0.71	9.50	1.79	1.05	1.39
6.95	1.07	0.45	0.72	9.55	1.81	1.07	1.42
7.00	1.08	0.46	0.73	9.60	1.83	1.09	1.46
7.05	1.09	0.47	0.74	9.65	1.85	1.11	1.49
7.10	1.10	0.48	0.75	9.70	1.88	1.13	1.52
7.15	1.11	0.49	0.76	9.75	1.90	1.15	1.56
7.20	1.12	0.49	0.77	9.80	1.92	1.17	1.60
7.25	1.13	0.50	0.79	9.85	1.94	1.19	1.64
7.30	1.15	0.51	0.80	9.90	1.97	1.21	1.67
7.35	1.16	0.52	0.81	9.95	1.99	1.23	1.71
7.40	1.17	0.53	0.82	10.00	2.01	1.25	1.75
7.45	1.18	0.54	0.83	10.05	2.04	1.27	1.79
7.50	1.19	0.55	0.84	10.10	2.06	1.29	1.83
7.55	1.21	0.56	0.85	10.15	2.09	1.32	1.87
7.60	1.22	0.57	0.87	10.20	2.11	1.34	1.91
7.65	1.23	0.58	0.88	10.25	2.14	1.36	1.95
7.70	1.24	0.59	0.89	10.30	2.17	1.39	1.99
7.75	1.26	0.60	0.90	10.35	2.19	1.41	2.03

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.44	2.07	13.00	8.39	7.43	10.71
10.45	2.25	1.46	2.11	13.05	8.43	7.47	9.74
10.50	2.28	1.49	2.15	13.10	8.48	7.52	8.90
10.55	2.31	1.51	2.19	13.15	8.52	7.56	8.19
10.60	2.34	1.54	2.24	13.20	8.56	7.60	7.56
10.65	2.37	1.57	2.28	13.25	8.60	7.63	7.01
10.70	2.41	1.61	2.33	13.30	8.63	7.67	6.52
10.75	2.44	1.64	2.39	13.35	8.67	7.71	6.09
10.80	2.48	1.68	2.46	13.40	8.70	7.74	5.69
10.85	2.52	1.71	2.54	13.45	8.73	7.77	5.34
10.90	2.56	1.75	2.63	13.50	8.76	7.80	5.03
10.95	2.61	1.79	2.73	13.55	8.79	7.83	4.74
11.00	2.65	1.83	2.84	13.60	8.82	7.86	4.48
11.05	2.70	1.88	2.96	13.65	8.85	7.88	4.24
11.10	2.75	1.92	3.09	13.70	8.87	7.91	4.02
11.15	2.80	1.98	3.22	13.75	8.90	7.94	3.81
11.20	2.86	2.03	3.37	13.80	8.93	7.96	3.62
11.25	2.92	2.09	3.53	13.85	8.95	7.99	3.45
11.30	2.98	2.15	3.70	13.90	8.98	8.01	3.29
11.35	3.05	2.21	3.89	13.95	9.00	8.04	3.16
11.40	3.12	2.27	4.10	14.00	9.03	8.06	3.05
11.45	3.19	2.34	4.32	14.05	9.05	8.08	2.95
11.50	3.26	2.41	4.55	14.10	9.07	8.11	2.86
11.55	3.37	2.52	4.80	14.15	9.10	8.13	2.78
11.60	3.49	2.62	5.07	14.20	9.12	8.15	2.71
11.65	3.60	2.74	5.38	14.25	9.14	8.18	2.65
11.70	3.72	2.85	5.74	14.30	9.16	8.20	2.59
11.75	3.88	3.00	6.19	14.35	9.19	8.22	2.53
11.80	4.04	3.16	6.74	14.40	9.21	8.24	2.48
11.85	4.27	3.38	7.38	14.45	9.23	8.26	2.43
11.90	4.49	3.59	8.14	14.50	9.25	8.28	2.39
11.95	4.88	3.97	9.06	14.55	9.27	8.30	2.34
12.00	5.26	4.35	10.20	14.60	9.29	8.32	2.29
12.05	5.91	4.98	11.69	14.65	9.31	8.34	2.25
12.10	6.55	5.61	13.68	14.70	9.32	8.36	2.21
12.15	6.77	5.83	16.30	14.75	9.34	8.37	2.17
12.20	7.00	6.05	19.53	14.80	9.36	8.39	2.12
12.25	7.16	6.21	23.05	14.85	9.38	8.41	2.08
12.30	7.32	6.37	26.37	14.90	9.40	8.43	2.04
12.35	7.44	6.49	28.90	14.95	9.41	8.44	2.00
12.40	7.55	6.60	30.13	15.00	9.43	8.46	1.96
12.45	7.67	6.71	**30.15**	15.05	9.44	8.47	1.92
12.50	7.78	6.82	29.12	15.10	9.46	8.49	1.88
12.55	7.85	6.89	27.29	15.15	9.47	8.50	1.84
12.60	7.92	6.97	25.01	15.20	9.49	8.52	1.80
12.65	7.99	7.03	22.56	15.25	9.50	8.53	1.76
12.70	8.06	7.10	20.17	15.30	9.52	8.55	1.72
12.75	8.12	7.16	18.07	15.35	9.53	8.56	1.68
12.80	8.18	7.22	16.22	15.40	9.55	8.58	1.65
12.85	8.24	7.28	14.57	15.45	9.56	8.59	1.62
12.90	8.29	7.33	13.10	15.50	9.58	8.61	1.59
12.95	8.34	7.38	11.82	15.55	9.59	8.62	1.57

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	8.64	1.55	18.20	10.20	9.23	0.95
15.65	9.62	8.65	1.53	18.25	10.21	9.24	0.94
15.70	9.64	8.66	1.51	18.30	10.22	9.24	0.93
15.75	9.65	8.68	1.49	18.35	10.23	9.25	0.92
15.80	9.66	8.69	1.48	18.40	10.24	9.26	0.91
15.85	9.68	8.71	1.46	18.45	10.24	9.27	0.90
15.90	9.69	8.72	1.45	18.50	10.25	9.28	0.89
15.95	9.70	8.73	1.44	18.55	10.26	9.29	0.89
16.00	9.72	8.75	1.42	18.60	10.27	9.30	0.88
16.05	9.73	8.76	1.41	18.65	10.28	9.30	0.88
16.10	9.74	8.77	1.40	18.70	10.29	9.31	0.87
16.15	9.76	8.79	1.39	18.75	10.30	9.32	0.87
16.20	9.77	8.80	1.38	18.80	10.30	9.33	0.86
16.25	9.78	8.81	1.37	18.85	10.31	9.34	0.86
16.30	9.80	8.82	1.36	18.90	10.32	9.35	0.86
16.35	9.81	8.84	1.35	18.95	10.33	9.35	0.85
16.40	9.82	8.85	1.33	19.00	10.34	9.36	0.85
16.45	9.83	8.86	1.32	19.05	10.35	9.37	0.85
16.50	9.85	8.87	1.31	19.10	10.35	9.38	0.84
16.55	9.86	8.89	1.30	19.15	10.36	9.39	0.84
16.60	9.87	8.90	1.29	19.20	10.37	9.40	0.84
16.65	9.88	8.91	1.28	19.25	10.38	9.40	0.84
16.70	9.89	8.92	1.27	19.30	10.39	9.41	0.83
16.75	9.91	8.93	1.26	19.35	10.40	9.42	0.83
16.80	9.92	8.95	1.25	19.40	10.40	9.43	0.83
16.85	9.93	8.96	1.24	19.45	10.41	9.44	0.82
16.90	9.94	8.97	1.23	19.50	10.42	9.44	0.82
16.95	9.95	8.98	1.22	19.55	10.43	9.45	0.82
17.00	9.96	8.99	1.20	19.60	10.44	9.46	0.82
17.05	9.97	9.00	1.19	19.65	10.44	9.47	0.81
17.10	9.99	9.01	1.18	19.70	10.45	9.48	0.81
17.15	10.00	9.02	1.17	19.75	10.46	9.48	0.81
17.20	10.01	9.03	1.16	19.80	10.47	9.49	0.80
17.25	10.02	9.04	1.15	19.85	10.48	9.50	0.80
17.30	10.03	9.06	1.14	19.90	10.48	9.51	0.80
17.35	10.04	9.07	1.13	19.95	10.49	9.52	0.80
17.40	10.05	9.08	1.12	20.00	10.50	9.52	0.79
17.45	10.06	9.09	1.11	20.05	10.51	9.53	0.79
17.50	10.07	9.10	1.10	20.10	10.52	9.54	0.79
17.55	10.08	9.11	1.09	20.15	10.52	9.55	0.79
17.60	10.09	9.12	1.08	20.20	10.53	9.55	0.78
17.65	10.10	9.13	1.06	20.25	10.54	9.56	0.78
17.70	10.11	9.14	1.05	20.30	10.55	9.57	0.78
17.75	10.12	9.15	1.04	20.35	10.55	9.58	0.78
17.80	10.13	9.15	1.03	20.40	10.56	9.58	0.77
17.85	10.14	9.16	1.02	20.45	10.57	9.59	0.77
17.90	10.15	9.17	1.01	20.50	10.58	9.60	0.77
17.95	10.16	9.18	1.00	20.55	10.58	9.61	0.76
18.00	10.17	9.19	0.99	20.60	10.59	9.62	0.76
18.05	10.17	9.20	0.98	20.65	10.60	9.62	0.76
18.10	10.18	9.21	0.97	20.70	10.61	9.63	0.76
18.15	10.19	9.22	0.96	20.75	10.61	9.64	0.75

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	9.64	0.75	23.40	10.97	9.99	0.61
20.85	10.63	9.65	0.75	23.45	10.97	10.00	0.61
20.90	10.64	9.66	0.75	23.50	10.98	10.00	0.61
20.95	10.64	9.67	0.74	23.55	10.99	10.01	0.60
21.00	10.65	9.67	0.74	23.60	10.99	10.01	0.60
21.05	10.66	9.68	0.74	23.65	11.00	10.02	0.60
21.10	10.66	9.69	0.74	23.70	11.00	10.02	0.60
21.15	10.67	9.70	0.73	23.75	11.01	10.03	0.59
21.20	10.68	9.70	0.73	23.80	11.01	10.04	0.59
21.25	10.69	9.71	0.73	23.85	11.02	10.04	0.59
21.30	10.69	9.72	0.72	23.90	11.03	10.05	0.58
21.35	10.70	9.72	0.72	23.95	11.03	10.05	0.58
21.40	10.71	9.73	0.72	24.00	**11.04**	**10.06**	0.58
21.45	10.71	9.74	0.72	24.05	11.04	10.06	0.58
21.50	10.72	9.74	0.71	24.10	11.04	10.06	0.58
21.55	10.73	9.75	0.71	24.15	11.04	10.06	0.57
21.60	10.74	9.76	0.71	24.20	11.04	10.06	0.56
21.65	10.74	9.77	0.71	24.25	11.04	10.06	0.53
21.70	10.75	9.77	0.70	24.30	11.04	10.06	0.48
21.75	10.76	9.78	0.70	24.35	11.04	10.06	0.43
21.80	10.76	9.79	0.70	24.40	11.04	10.06	0.37
21.85	10.77	9.79	0.69	24.45	11.04	10.06	0.30
21.90	10.78	9.80	0.69	24.50	11.04	10.06	0.25
21.95	10.78	9.81	0.69	24.55	11.04	10.06	0.20
22.00	10.79	9.81	0.69	24.60	11.04	10.06	0.15
22.05	10.80	9.82	0.68	24.65	11.04	10.06	0.12
22.10	10.80	9.83	0.68	24.70	11.04	10.06	0.10
22.15	10.81	9.83	0.68	24.75	11.04	10.06	0.08
22.20	10.82	9.84	0.68	24.80	11.04	10.06	0.06
22.25	10.82	9.85	0.67	24.85	11.04	10.06	0.05
22.30	10.83	9.85	0.67	24.90	11.04	10.06	0.04
22.35	10.84	9.86	0.67	24.95	11.04	10.06	0.03
22.40	10.84	9.87	0.67	25.00	11.04	10.06	0.02
22.45	10.85	9.87	0.66	25.05	11.04	10.06	0.02
22.50	10.86	9.88	0.66	25.10	11.04	10.06	0.01
22.55	10.86	9.88	0.66	25.15	11.04	10.06	0.01
22.60	10.87	9.89	0.65	25.20	11.04	10.06	0.01
22.65	10.88	9.90	0.65	25.25	11.04	10.06	0.01
22.70	10.88	9.90	0.65	25.30	11.04	10.06	0.01
22.75	10.89	9.91	0.65	25.35	11.04	10.06	0.00
22.80	10.89	9.92	0.64	25.40	11.04	10.06	0.00
22.85	10.90	9.92	0.64	25.45	11.04	10.06	0.00
22.90	10.91	9.93	0.64	25.50	11.04	10.06	0.00
22.95	10.91	9.93	0.64	25.55	11.04	10.06	0.00
23.00	10.92	9.94	0.63	25.60	11.04	10.06	0.00
23.05	10.93	9.95	0.63	25.65	11.04	10.06	0.00
23.10	10.93	9.95	0.63	25.70	11.04	10.06	0.00
23.15	10.94	9.96	0.62	25.75	11.04	10.06	0.00
23.20	10.94	9.97	0.62	25.80	11.04	10.06	0.00
23.25	10.95	9.97	0.62	25.85	11.04	10.06	0.00
23.30	10.96	9.98	0.62	25.90	11.04	10.06	0.00
23.35	10.96	9.98	0.61	25.95	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.06	0.00	28.60	11.04	10.06	0.00
26.05	11.04	10.06	0.00	28.65	11.04	10.06	0.00
26.10	11.04	10.06	0.00	28.70	11.04	10.06	0.00
26.15	11.04	10.06	0.00	28.75	11.04	10.06	0.00
26.20	11.04	10.06	0.00	28.80	11.04	10.06	0.00
26.25	11.04	10.06	0.00	28.85	11.04	10.06	0.00
26.30	11.04	10.06	0.00	28.90	11.04	10.06	0.00
26.35	11.04	10.06	0.00	28.95	11.04	10.06	0.00
26.40	11.04	10.06	0.00	29.00	11.04	10.06	0.00
26.45	11.04	10.06	0.00	29.05	11.04	10.06	0.00
26.50	11.04	10.06	0.00	29.10	11.04	10.06	0.00
26.55	11.04	10.06	0.00	29.15	11.04	10.06	0.00
26.60	11.04	10.06	0.00	29.20	11.04	10.06	0.00
26.65	11.04	10.06	0.00	29.25	11.04	10.06	0.00
26.70	11.04	10.06	0.00	29.30	11.04	10.06	0.00
26.75	11.04	10.06	0.00	29.35	11.04	10.06	0.00
26.80	11.04	10.06	0.00	29.40	11.04	10.06	0.00
26.85	11.04	10.06	0.00	29.45	11.04	10.06	0.00
26.90	11.04	10.06	0.00	29.50	11.04	10.06	0.00
26.95	11.04	10.06	0.00	29.55	11.04	10.06	0.00
27.00	11.04	10.06	0.00	29.60	11.04	10.06	0.00
27.05	11.04	10.06	0.00	29.65	11.04	10.06	0.00
27.10	11.04	10.06	0.00	29.70	11.04	10.06	0.00
27.15	11.04	10.06	0.00	29.75	11.04	10.06	0.00
27.20	11.04	10.06	0.00	29.80	11.04	10.06	0.00
27.25	11.04	10.06	0.00	29.85	11.04	10.06	0.00
27.30	11.04	10.06	0.00	29.90	11.04	10.06	0.00
27.35	11.04	10.06	0.00	29.95	11.04	10.06	0.00
27.40	11.04	10.06	0.00	30.00	11.04	10.06	0.00
27.45	11.04	10.06	0.00	30.05	11.04	10.06	0.00
27.50	11.04	10.06	0.00	30.10	11.04	10.06	0.00
27.55	11.04	10.06	0.00	30.15	11.04	10.06	0.00
27.60	11.04	10.06	0.00	30.20	11.04	10.06	0.00
27.65	11.04	10.06	0.00	30.25	11.04	10.06	0.00
27.70	11.04	10.06	0.00	30.30	11.04	10.06	0.00
27.75	11.04	10.06	0.00	30.35	11.04	10.06	0.00
27.80	11.04	10.06	0.00	30.40	11.04	10.06	0.00
27.85	11.04	10.06	0.00	30.45	11.04	10.06	0.00
27.90	11.04	10.06	0.00	30.50	11.04	10.06	0.00
27.95	11.04	10.06	0.00	30.55	11.04	10.06	0.00
28.00	11.04	10.06	0.00	30.60	11.04	10.06	0.00
28.05	11.04	10.06	0.00	30.65	11.04	10.06	0.00
28.10	11.04	10.06	0.00	30.70	11.04	10.06	0.00
28.15	11.04	10.06	0.00	30.75	11.04	10.06	0.00
28.20	11.04	10.06	0.00	30.80	11.04	10.06	0.00
28.25	11.04	10.06	0.00	30.85	11.04	10.06	0.00
28.30	11.04	10.06	0.00	30.90	11.04	10.06	0.00
28.35	11.04	10.06	0.00	30.95	11.04	10.06	0.00
28.40	11.04	10.06	0.00	31.00	11.04	10.06	0.00
28.45	11.04	10.06	0.00	31.05	11.04	10.06	0.00
28.50	11.04	10.06	0.00	31.10	11.04	10.06	0.00
28.55	11.04	10.06	0.00	31.15	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.06	0.00	33.80	11.04	10.06	0.00
31.25	11.04	10.06	0.00	33.85	11.04	10.06	0.00
31.30	11.04	10.06	0.00	33.90	11.04	10.06	0.00
31.35	11.04	10.06	0.00	33.95	11.04	10.06	0.00
31.40	11.04	10.06	0.00	34.00	11.04	10.06	0.00
31.45	11.04	10.06	0.00	34.05	11.04	10.06	0.00
31.50	11.04	10.06	0.00	34.10	11.04	10.06	0.00
31.55	11.04	10.06	0.00	34.15	11.04	10.06	0.00
31.60	11.04	10.06	0.00	34.20	11.04	10.06	0.00
31.65	11.04	10.06	0.00	34.25	11.04	10.06	0.00
31.70	11.04	10.06	0.00	34.30	11.04	10.06	0.00
31.75	11.04	10.06	0.00	34.35	11.04	10.06	0.00
31.80	11.04	10.06	0.00	34.40	11.04	10.06	0.00
31.85	11.04	10.06	0.00	34.45	11.04	10.06	0.00
31.90	11.04	10.06	0.00	34.50	11.04	10.06	0.00
31.95	11.04	10.06	0.00	34.55	11.04	10.06	0.00
32.00	11.04	10.06	0.00	34.60	11.04	10.06	0.00
32.05	11.04	10.06	0.00	34.65	11.04	10.06	0.00
32.10	11.04	10.06	0.00	34.70	11.04	10.06	0.00
32.15	11.04	10.06	0.00	34.75	11.04	10.06	0.00
32.20	11.04	10.06	0.00	34.80	11.04	10.06	0.00
32.25	11.04	10.06	0.00	34.85	11.04	10.06	0.00
32.30	11.04	10.06	0.00	34.90	11.04	10.06	0.00
32.35	11.04	10.06	0.00	34.95	11.04	10.06	0.00
32.40	11.04	10.06	0.00	35.00	11.04	10.06	0.00
32.45	11.04	10.06	0.00	35.05	11.04	10.06	0.00
32.50	11.04	10.06	0.00	35.10	11.04	10.06	0.00
32.55	11.04	10.06	0.00	35.15	11.04	10.06	0.00
32.60	11.04	10.06	0.00	35.20	11.04	10.06	0.00
32.65	11.04	10.06	0.00	35.25	11.04	10.06	0.00
32.70	11.04	10.06	0.00	35.30	11.04	10.06	0.00
32.75	11.04	10.06	0.00	35.35	11.04	10.06	0.00
32.80	11.04	10.06	0.00	35.40	11.04	10.06	0.00
32.85	11.04	10.06	0.00	35.45	11.04	10.06	0.00
32.90	11.04	10.06	0.00	35.50	11.04	10.06	0.00
32.95	11.04	10.06	0.00	35.55	11.04	10.06	0.00
33.00	11.04	10.06	0.00	35.60	11.04	10.06	0.00
33.05	11.04	10.06	0.00	35.65	11.04	10.06	0.00
33.10	11.04	10.06	0.00	35.70	11.04	10.06	0.00
33.15	11.04	10.06	0.00	35.75	11.04	10.06	0.00
33.20	11.04	10.06	0.00	35.80	11.04	10.06	0.00
33.25	11.04	10.06	0.00	35.85	11.04	10.06	0.00
33.30	11.04	10.06	0.00	35.90	11.04	10.06	0.00
33.35	11.04	10.06	0.00	35.95	11.04	10.06	0.00
33.40	11.04	10.06	0.00	36.00	11.04	10.06	0.00
33.45	11.04	10.06	0.00	36.05	11.04	10.06	0.00
33.50	11.04	10.06	0.00	36.10	11.04	10.06	0.00
33.55	11.04	10.06	0.00	36.15	11.04	10.06	0.00
33.60	11.04	10.06	0.00	36.20	11.04	10.06	0.00
33.65	11.04	10.06	0.00	36.25	11.04	10.06	0.00
33.70	11.04	10.06	0.00	36.30	11.04	10.06	0.00
33.75	11.04	10.06	0.00	36.35	11.04	10.06	0.00

Hydrograph for Subcatchment X-1I: XDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.06	0.00
36.45	11.04	10.06	0.00
36.50	11.04	10.06	0.00
36.55	11.04	10.06	0.00
36.60	11.04	10.06	0.00
36.65	11.04	10.06	0.00
36.70	11.04	10.06	0.00
36.75	11.04	10.06	0.00
36.80	11.04	10.06	0.00
36.85	11.04	10.06	0.00
36.90	11.04	10.06	0.00
36.95	11.04	10.06	0.00
37.00	11.04	10.06	0.00
37.05	11.04	10.06	0.00
37.10	11.04	10.06	0.00
37.15	11.04	10.06	0.00
37.20	11.04	10.06	0.00
37.25	11.04	10.06	0.00
37.30	11.04	10.06	0.00
37.35	11.04	10.06	0.00
37.40	11.04	10.06	0.00
37.45	11.04	10.06	0.00
37.50	11.04	10.06	0.00
37.55	11.04	10.06	0.00
37.60	11.04	10.06	0.00
37.65	11.04	10.06	0.00
37.70	11.04	10.06	0.00
37.75	11.04	10.06	0.00
37.80	11.04	10.06	0.00
37.85	11.04	10.06	0.00
37.90	11.04	10.06	0.00
37.95	11.04	10.06	0.00
38.00	11.04	10.06	0.00
38.05	11.04	10.06	0.00
38.10	11.04	10.06	0.00
38.15	11.04	10.06	0.00
38.20	11.04	10.06	0.00
38.25	11.04	10.06	0.00
38.30	11.04	10.06	0.00
38.35	11.04	10.06	0.00
38.40	11.04	10.06	0.00
38.45	11.04	10.06	0.00
38.50	11.04	10.06	0.00
38.55	11.04	10.06	0.00
38.60	11.04	10.06	0.00
38.65	11.04	10.06	0.00
38.70	11.04	10.06	0.00
38.75	11.04	10.06	0.00
38.80	11.04	10.06	0.00
38.85	11.04	10.06	0.00
38.90	11.04	10.06	0.00
38.95	11.04	10.06	0.00
39.00	11.04	10.06	0.00
39.05	11.04	10.06	0.00
39.10	11.04	10.06	0.00
39.15	11.04	10.06	0.00
39.20	11.04	10.06	0.00
39.25	11.04	10.06	0.00
39.30	11.04	10.06	0.00
39.35	11.04	10.06	0.00
39.40	11.04	10.06	0.00
39.45	11.04	10.06	0.00
39.50	11.04	10.06	0.00
39.55	11.04	10.06	0.00
39.60	11.04	10.06	0.00
39.65	11.04	10.06	0.00
39.70	11.04	10.06	0.00
39.75	11.04	10.06	0.00
39.80	11.04	10.06	0.00
39.85	11.04	10.06	0.00
39.90	11.04	10.06	0.00
39.95	11.04	10.06	0.00
40.00	11.04	10.06	0.00

Summary for Subcatchment X-1P: XDA-1 (onsite pervious)

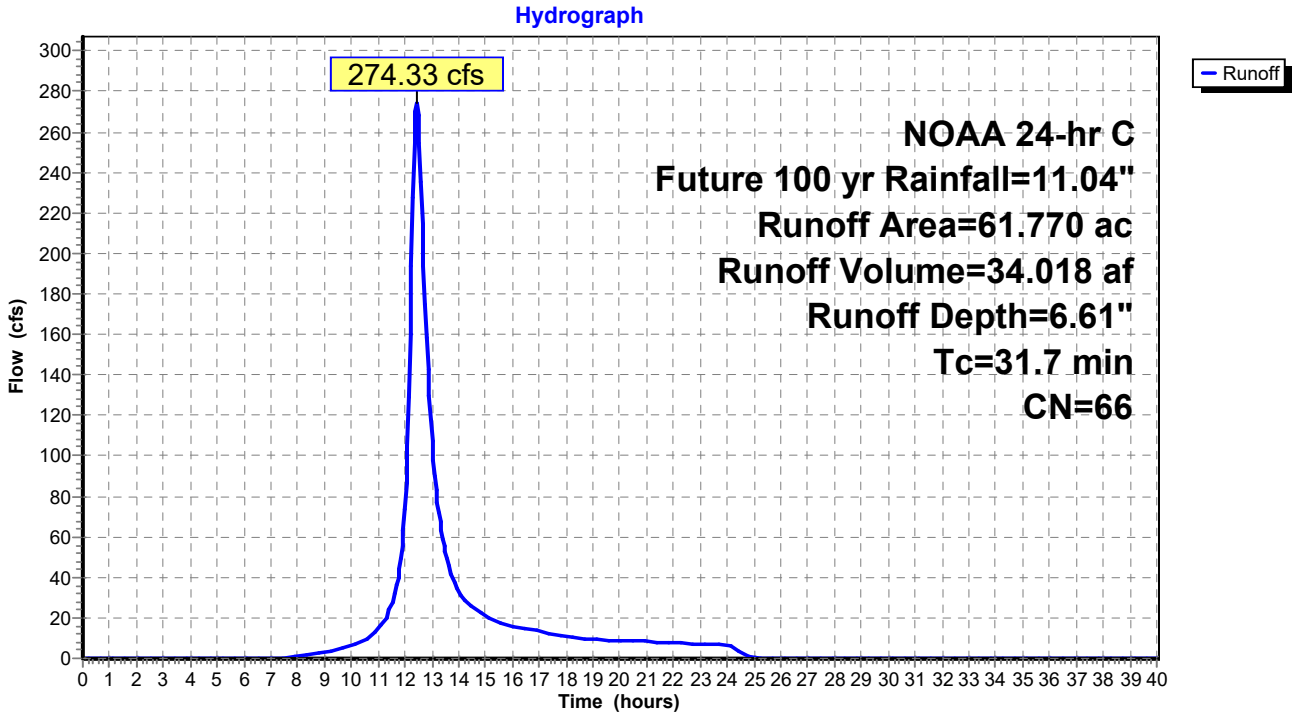
Runoff = 274.33 cfs @ 12.45 hrs, Volume= 34.018 af, Depth= 6.61"
Routed to Link XDA-1 : Existing Drainage Area #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.220	61	>75% Grass cover, Good, HSG B
20.810	55	Woods, Good, HSG B
14.490	70	Woods, Good, HSG C
6.630	77	Woods, Good, HSG D
10.000	71	Row crops, C&T, Good, HSG B
6.300	78	Row crops, C&T, Good, HSG C
0.320	81	Row crops, C&T, Good, HSG D
61.770	66	Weighted Average
61.770		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1P: XDA-1 (onsite pervious)



Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.01	0.68
5.25	0.74	0.00	0.00	7.85	1.28	0.01	0.75
5.30	0.75	0.00	0.00	7.90	1.30	0.01	0.82
5.35	0.76	0.00	0.00	7.95	1.31	0.01	0.89
5.40	0.77	0.00	0.00	8.00	1.32	0.02	0.96
5.45	0.78	0.00	0.00	8.05	1.34	0.02	1.04
5.50	0.79	0.00	0.00	8.10	1.35	0.02	1.11
5.55	0.80	0.00	0.00	8.15	1.36	0.02	1.19
5.60	0.80	0.00	0.00	8.20	1.38	0.02	1.27
5.65	0.81	0.00	0.00	8.25	1.39	0.02	1.35
5.70	0.82	0.00	0.00	8.30	1.40	0.03	1.43
5.75	0.83	0.00	0.00	8.35	1.42	0.03	1.52
5.80	0.84	0.00	0.00	8.40	1.43	0.03	1.60
5.85	0.85	0.00	0.00	8.45	1.45	0.03	1.69
5.90	0.86	0.00	0.00	8.50	1.46	0.03	1.78
5.95	0.87	0.00	0.00	8.55	1.48	0.04	1.86
6.00	0.87	0.00	0.00	8.60	1.49	0.04	1.95
6.05	0.88	0.00	0.00	8.65	1.51	0.04	2.04
6.10	0.89	0.00	0.00	8.70	1.52	0.04	2.14
6.15	0.90	0.00	0.00	8.75	1.54	0.05	2.23
6.20	0.91	0.00	0.00	8.80	1.55	0.05	2.32
6.25	0.92	0.00	0.00	8.85	1.57	0.05	2.42
6.30	0.93	0.00	0.00	8.90	1.58	0.05	2.52
6.35	0.94	0.00	0.00	8.95	1.60	0.06	2.62
6.40	0.95	0.00	0.00	9.00	1.61	0.06	2.72
6.45	0.96	0.00	0.00	9.05	1.63	0.06	2.82
6.50	0.97	0.00	0.00	9.10	1.64	0.07	2.92
6.55	0.98	0.00	0.00	9.15	1.66	0.07	3.03
6.60	0.99	0.00	0.00	9.20	1.68	0.07	3.14
6.65	1.00	0.00	0.00	9.25	1.70	0.08	3.25
6.70	1.01	0.00	0.00	9.30	1.72	0.08	3.38
6.75	1.02	0.00	0.00	9.35	1.73	0.08	3.52
6.80	1.03	0.00	0.00	9.40	1.75	0.09	3.66
6.85	1.04	0.00	0.00	9.45	1.77	0.09	3.82
6.90	1.05	0.00	0.00	9.50	1.79	0.10	3.99
6.95	1.07	0.00	0.00	9.55	1.81	0.10	4.17
7.00	1.08	0.00	0.00	9.60	1.83	0.11	4.36
7.05	1.09	0.00	0.01	9.65	1.85	0.11	4.55
7.10	1.10	0.00	0.02	9.70	1.88	0.12	4.76
7.15	1.11	0.00	0.04	9.75	1.90	0.12	4.97
7.20	1.12	0.00	0.06	9.80	1.92	0.13	5.19
7.25	1.13	0.00	0.09	9.85	1.94	0.14	5.42
7.30	1.15	0.00	0.12	9.90	1.97	0.14	5.65
7.35	1.16	0.00	0.16	9.95	1.99	0.15	5.89
7.40	1.17	0.00	0.21	10.00	2.01	0.16	6.14
7.45	1.18	0.00	0.25	10.05	2.04	0.16	6.40
7.50	1.19	0.01	0.31	10.10	2.06	0.17	6.66
7.55	1.21	0.01	0.36	10.15	2.09	0.18	6.93
7.60	1.22	0.01	0.42	10.20	2.11	0.19	7.21
7.65	1.23	0.01	0.48	10.25	2.14	0.20	7.49
7.70	1.24	0.01	0.55	10.30	2.17	0.20	7.78
7.75	1.26	0.01	0.61	10.35	2.19	0.21	8.08

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.22	8.39	13.00	8.39	4.33	107.17
10.45	2.25	0.23	8.70	13.05	8.43	4.37	98.03
10.50	2.28	0.24	9.01	13.10	8.48	4.40	90.13
10.55	2.31	0.25	9.34	13.15	8.52	4.44	83.32
10.60	2.34	0.26	9.67	13.20	8.56	4.47	77.33
10.65	2.37	0.28	10.02	13.25	8.60	4.50	72.00
10.70	2.41	0.29	10.41	13.30	8.63	4.53	67.25
10.75	2.44	0.30	10.85	13.35	8.67	4.56	63.00
10.80	2.48	0.32	11.34	13.40	8.70	4.59	59.11
10.85	2.52	0.33	11.89	13.45	8.73	4.62	55.64
10.90	2.56	0.35	12.52	13.50	8.76	4.64	52.54
10.95	2.61	0.37	13.22	13.55	8.79	4.67	49.71
11.00	2.65	0.39	13.99	13.60	8.82	4.69	47.11
11.05	2.70	0.41	14.82	13.65	8.85	4.71	44.71
11.10	2.75	0.43	15.72	13.70	8.87	4.73	42.46
11.15	2.80	0.45	16.68	13.75	8.90	4.76	40.32
11.20	2.86	0.48	17.73	13.80	8.93	4.78	38.35
11.25	2.92	0.51	18.88	13.85	8.95	4.80	36.60
11.30	2.98	0.54	20.16	13.90	8.98	4.82	35.02
11.35	3.05	0.57	21.55	13.95	9.00	4.84	33.65
11.40	3.12	0.60	23.08	14.00	9.03	4.86	32.47
11.45	3.19	0.64	24.76	14.05	9.05	4.88	31.43
11.50	3.26	0.67	26.56	14.10	9.07	4.90	30.51
11.55	3.37	0.73	28.48	14.15	9.10	4.92	29.70
11.60	3.49	0.79	30.63	14.20	9.12	4.94	28.99
11.65	3.60	0.86	33.10	14.25	9.14	4.96	28.33
11.70	3.72	0.92	36.05	14.30	9.16	4.98	27.72
11.75	3.88	1.02	39.66	14.35	9.19	5.00	27.17
11.80	4.04	1.11	44.08	14.40	9.21	5.02	26.64
11.85	4.27	1.25	49.35	14.45	9.23	5.03	26.12
11.90	4.49	1.39	55.69	14.50	9.25	5.05	25.63
11.95	4.88	1.64	63.47	14.55	9.27	5.07	25.16
12.00	5.26	1.91	73.38	14.60	9.29	5.08	24.69
12.05	5.91	2.37	86.56	14.65	9.31	5.10	24.23
12.10	6.55	2.86	104.53	14.70	9.32	5.12	23.79
12.15	6.77	3.03	128.91	14.75	9.34	5.13	23.34
12.20	7.00	3.20	159.69	14.80	9.36	5.15	22.89
12.25	7.16	3.33	194.17	14.85	9.38	5.16	22.46
12.30	7.32	3.46	227.79	14.90	9.40	5.18	22.03
12.35	7.44	3.55	254.84	14.95	9.41	5.19	21.59
12.40	7.55	3.65	270.17	15.00	9.43	5.20	21.16
12.45	7.67	3.74	**274.29**	15.05	9.44	5.22	20.73
12.50	7.78	3.83	268.22	15.10	9.46	5.23	20.30
12.55	7.85	3.88	254.29	15.15	9.47	5.24	19.86
12.60	7.92	3.94	235.51	15.20	9.49	5.26	19.44
12.65	7.99	4.00	214.45	15.25	9.50	5.27	19.02
12.70	8.06	4.05	193.47	15.30	9.52	5.28	18.61
12.75	8.12	4.10	174.78	15.35	9.53	5.30	18.22
12.80	8.18	4.16	158.08	15.40	9.55	5.31	17.88
12.85	8.24	4.20	143.03	15.45	9.56	5.32	17.55
12.90	8.29	4.25	129.49	15.50	9.58	5.33	17.26
12.95	8.34	4.29	117.54	15.55	9.59	5.35	17.01

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.36	16.79	18.20	10.20	5.87	10.43
15.65	9.62	5.37	16.58	18.25	10.21	5.88	10.31
15.70	9.64	5.38	16.40	18.30	10.22	5.89	10.21
15.75	9.65	5.39	16.24	18.35	10.23	5.89	10.11
15.80	9.66	5.41	16.08	18.40	10.24	5.90	10.01
15.85	9.68	5.42	15.93	18.45	10.24	5.91	9.92
15.90	9.69	5.43	15.79	18.50	10.25	5.92	9.85
15.95	9.70	5.44	15.66	18.55	10.26	5.92	9.78
16.00	9.72	5.45	15.52	18.60	10.27	5.93	9.72
16.05	9.73	5.46	15.40	18.65	10.28	5.94	9.66
16.10	9.74	5.48	15.28	18.70	10.29	5.95	9.62
16.15	9.76	5.49	15.16	18.75	10.30	5.95	9.57
16.20	9.77	5.50	15.03	18.80	10.30	5.96	9.53
16.25	9.78	5.51	14.92	18.85	10.31	5.97	9.50
16.30	9.80	5.52	14.81	18.90	10.32	5.98	9.46
16.35	9.81	5.53	14.69	18.95	10.33	5.98	9.42
16.40	9.82	5.54	14.58	19.00	10.34	5.99	9.39
16.45	9.83	5.55	14.47	19.05	10.35	6.00	9.36
16.50	9.85	5.56	14.35	19.10	10.35	6.01	9.33
16.55	9.86	5.57	14.23	19.15	10.36	6.01	9.29
16.60	9.87	5.59	14.12	19.20	10.37	6.02	9.27
16.65	9.88	5.60	14.00	19.25	10.38	6.03	9.24
16.70	9.89	5.61	13.88	19.30	10.39	6.03	9.20
16.75	9.91	5.62	13.77	19.35	10.40	6.04	9.18
16.80	9.92	5.63	13.66	19.40	10.40	6.05	9.15
16.85	9.93	5.64	13.54	19.45	10.41	6.06	9.12
16.90	9.94	5.65	13.43	19.50	10.42	6.06	9.09
16.95	9.95	5.66	13.32	19.55	10.43	6.07	9.06
17.00	9.96	5.67	13.20	19.60	10.44	6.08	9.03
17.05	9.97	5.68	13.08	19.65	10.44	6.08	9.00
17.10	9.99	5.68	12.97	19.70	10.45	6.09	8.98
17.15	10.00	5.69	12.86	19.75	10.46	6.10	8.95
17.20	10.01	5.70	12.74	19.80	10.47	6.11	8.92
17.25	10.02	5.71	12.63	19.85	10.48	6.11	8.89
17.30	10.03	5.72	12.52	19.90	10.48	6.12	8.87
17.35	10.04	5.73	12.40	19.95	10.49	6.13	8.84
17.40	10.05	5.74	12.29	20.00	10.50	6.13	8.81
17.45	10.06	5.75	12.17	20.05	10.51	6.14	8.79
17.50	10.07	5.76	12.06	20.10	10.52	6.15	8.76
17.55	10.08	5.77	11.93	20.15	10.52	6.15	8.73
17.60	10.09	5.78	11.82	20.20	10.53	6.16	8.70
17.65	10.10	5.78	11.71	20.25	10.54	6.17	8.67
17.70	10.11	5.79	11.59	20.30	10.55	6.17	8.64
17.75	10.12	5.80	11.47	20.35	10.55	6.18	8.61
17.80	10.13	5.81	11.36	20.40	10.56	6.19	8.58
17.85	10.14	5.82	11.25	20.45	10.57	6.19	8.55
17.90	10.15	5.83	11.13	20.50	10.58	6.20	8.52
17.95	10.16	5.83	11.01	20.55	10.58	6.21	8.49
18.00	10.17	5.84	10.90	20.60	10.59	6.21	8.46
18.05	10.17	5.85	10.78	20.65	10.60	6.22	8.43
18.10	10.18	5.86	10.66	20.70	10.61	6.23	8.40
18.15	10.19	5.86	10.55	20.75	10.61	6.23	8.38

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.24	8.35	23.40	10.97	6.54	6.84
20.85	10.63	6.25	8.32	23.45	10.97	6.55	6.80
20.90	10.64	6.25	8.30	23.50	10.98	6.56	6.78
20.95	10.64	6.26	8.27	23.55	10.99	6.56	6.75
21.00	10.65	6.27	8.24	23.60	10.99	6.57	6.72
21.05	10.66	6.27	8.21	23.65	11.00	6.57	6.69
21.10	10.66	6.28	8.18	23.70	11.00	6.58	6.66
21.15	10.67	6.28	8.15	23.75	11.01	6.58	6.63
21.20	10.68	6.29	8.12	23.80	11.01	6.59	6.60
21.25	10.69	6.30	8.09	23.85	11.02	6.59	6.57
21.30	10.69	6.30	8.06	23.90	11.03	6.60	6.54
21.35	10.70	6.31	8.03	23.95	11.03	6.60	6.51
21.40	10.71	6.32	8.00	24.00	**11.04**	**6.61**	6.49
21.45	10.71	6.32	7.97	24.05	11.04	6.61	6.48
21.50	10.72	6.33	7.95	24.10	11.04	6.61	6.46
21.55	10.73	6.33	7.92	24.15	11.04	6.61	6.39
21.60	10.74	6.34	7.89	24.20	11.04	6.61	6.22
21.65	10.74	6.35	7.86	24.25	11.04	6.61	5.90
21.70	10.75	6.35	7.83	24.30	11.04	6.61	5.40
21.75	10.76	6.36	7.80	24.35	11.04	6.61	4.78
21.80	10.76	6.36	7.77	24.40	11.04	6.61	4.10
21.85	10.77	6.37	7.74	24.45	11.04	6.61	3.41
21.90	10.78	6.38	7.71	24.50	11.04	6.61	2.77
21.95	10.78	6.38	7.69	24.55	11.04	6.61	2.20
22.00	10.79	6.39	7.66	24.60	11.04	6.61	1.73
22.05	10.80	6.39	7.63	24.65	11.04	6.61	1.36
22.10	10.80	6.40	7.60	24.70	11.04	6.61	1.08
22.15	10.81	6.41	7.57	24.75	11.04	6.61	0.86
22.20	10.82	6.41	7.54	24.80	11.04	6.61	0.68
22.25	10.82	6.42	7.51	24.85	11.04	6.61	0.54
22.30	10.83	6.42	7.48	24.90	11.04	6.61	0.43
22.35	10.84	6.43	7.45	24.95	11.04	6.61	0.34
22.40	10.84	6.43	7.42	25.00	11.04	6.61	0.26
22.45	10.85	6.44	7.40	25.05	11.04	6.61	0.21
22.50	10.86	6.45	7.37	25.10	11.04	6.61	0.16
22.55	10.86	6.45	7.34	25.15	11.04	6.61	0.13
22.60	10.87	6.46	7.31	25.20	11.04	6.61	0.10
22.65	10.88	6.46	7.28	25.25	11.04	6.61	0.08
22.70	10.88	6.47	7.25	25.30	11.04	6.61	0.06
22.75	10.89	6.47	7.22	25.35	11.04	6.61	0.05
22.80	10.89	6.48	7.19	25.40	11.04	6.61	0.03
22.85	10.90	6.49	7.16	25.45	11.04	6.61	0.03
22.90	10.91	6.49	7.13	25.50	11.04	6.61	0.02
22.95	10.91	6.50	7.10	25.55	11.04	6.61	0.01
23.00	10.92	6.50	7.07	25.60	11.04	6.61	0.01
23.05	10.93	6.51	7.04	25.65	11.04	6.61	0.01
23.10	10.93	6.51	7.01	25.70	11.04	6.61	0.00
23.15	10.94	6.52	6.98	25.75	11.04	6.61	0.00
23.20	10.94	6.52	6.95	25.80	11.04	6.61	0.00
23.25	10.95	6.53	6.92	25.85	11.04	6.61	0.00
23.30	10.96	6.53	6.90	25.90	11.04	6.61	0.00
23.35	10.96	6.54	6.87	25.95	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.61	0.00	28.60	11.04	6.61	0.00
26.05	11.04	6.61	0.00	28.65	11.04	6.61	0.00
26.10	11.04	6.61	0.00	28.70	11.04	6.61	0.00
26.15	11.04	6.61	0.00	28.75	11.04	6.61	0.00
26.20	11.04	6.61	0.00	28.80	11.04	6.61	0.00
26.25	11.04	6.61	0.00	28.85	11.04	6.61	0.00
26.30	11.04	6.61	0.00	28.90	11.04	6.61	0.00
26.35	11.04	6.61	0.00	28.95	11.04	6.61	0.00
26.40	11.04	6.61	0.00	29.00	11.04	6.61	0.00
26.45	11.04	6.61	0.00	29.05	11.04	6.61	0.00
26.50	11.04	6.61	0.00	29.10	11.04	6.61	0.00
26.55	11.04	6.61	0.00	29.15	11.04	6.61	0.00
26.60	11.04	6.61	0.00	29.20	11.04	6.61	0.00
26.65	11.04	6.61	0.00	29.25	11.04	6.61	0.00
26.70	11.04	6.61	0.00	29.30	11.04	6.61	0.00
26.75	11.04	6.61	0.00	29.35	11.04	6.61	0.00
26.80	11.04	6.61	0.00	29.40	11.04	6.61	0.00
26.85	11.04	6.61	0.00	29.45	11.04	6.61	0.00
26.90	11.04	6.61	0.00	29.50	11.04	6.61	0.00
26.95	11.04	6.61	0.00	29.55	11.04	6.61	0.00
27.00	11.04	6.61	0.00	29.60	11.04	6.61	0.00
27.05	11.04	6.61	0.00	29.65	11.04	6.61	0.00
27.10	11.04	6.61	0.00	29.70	11.04	6.61	0.00
27.15	11.04	6.61	0.00	29.75	11.04	6.61	0.00
27.20	11.04	6.61	0.00	29.80	11.04	6.61	0.00
27.25	11.04	6.61	0.00	29.85	11.04	6.61	0.00
27.30	11.04	6.61	0.00	29.90	11.04	6.61	0.00
27.35	11.04	6.61	0.00	29.95	11.04	6.61	0.00
27.40	11.04	6.61	0.00	30.00	11.04	6.61	0.00
27.45	11.04	6.61	0.00	30.05	11.04	6.61	0.00
27.50	11.04	6.61	0.00	30.10	11.04	6.61	0.00
27.55	11.04	6.61	0.00	30.15	11.04	6.61	0.00
27.60	11.04	6.61	0.00	30.20	11.04	6.61	0.00
27.65	11.04	6.61	0.00	30.25	11.04	6.61	0.00
27.70	11.04	6.61	0.00	30.30	11.04	6.61	0.00
27.75	11.04	6.61	0.00	30.35	11.04	6.61	0.00
27.80	11.04	6.61	0.00	30.40	11.04	6.61	0.00
27.85	11.04	6.61	0.00	30.45	11.04	6.61	0.00
27.90	11.04	6.61	0.00	30.50	11.04	6.61	0.00
27.95	11.04	6.61	0.00	30.55	11.04	6.61	0.00
28.00	11.04	6.61	0.00	30.60	11.04	6.61	0.00
28.05	11.04	6.61	0.00	30.65	11.04	6.61	0.00
28.10	11.04	6.61	0.00	30.70	11.04	6.61	0.00
28.15	11.04	6.61	0.00	30.75	11.04	6.61	0.00
28.20	11.04	6.61	0.00	30.80	11.04	6.61	0.00
28.25	11.04	6.61	0.00	30.85	11.04	6.61	0.00
28.30	11.04	6.61	0.00	30.90	11.04	6.61	0.00
28.35	11.04	6.61	0.00	30.95	11.04	6.61	0.00
28.40	11.04	6.61	0.00	31.00	11.04	6.61	0.00
28.45	11.04	6.61	0.00	31.05	11.04	6.61	0.00
28.50	11.04	6.61	0.00	31.10	11.04	6.61	0.00
28.55	11.04	6.61	0.00	31.15	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.61	0.00	33.80	11.04	6.61	0.00
31.25	11.04	6.61	0.00	33.85	11.04	6.61	0.00
31.30	11.04	6.61	0.00	33.90	11.04	6.61	0.00
31.35	11.04	6.61	0.00	33.95	11.04	6.61	0.00
31.40	11.04	6.61	0.00	34.00	11.04	6.61	0.00
31.45	11.04	6.61	0.00	34.05	11.04	6.61	0.00
31.50	11.04	6.61	0.00	34.10	11.04	6.61	0.00
31.55	11.04	6.61	0.00	34.15	11.04	6.61	0.00
31.60	11.04	6.61	0.00	34.20	11.04	6.61	0.00
31.65	11.04	6.61	0.00	34.25	11.04	6.61	0.00
31.70	11.04	6.61	0.00	34.30	11.04	6.61	0.00
31.75	11.04	6.61	0.00	34.35	11.04	6.61	0.00
31.80	11.04	6.61	0.00	34.40	11.04	6.61	0.00
31.85	11.04	6.61	0.00	34.45	11.04	6.61	0.00
31.90	11.04	6.61	0.00	34.50	11.04	6.61	0.00
31.95	11.04	6.61	0.00	34.55	11.04	6.61	0.00
32.00	11.04	6.61	0.00	34.60	11.04	6.61	0.00
32.05	11.04	6.61	0.00	34.65	11.04	6.61	0.00
32.10	11.04	6.61	0.00	34.70	11.04	6.61	0.00
32.15	11.04	6.61	0.00	34.75	11.04	6.61	0.00
32.20	11.04	6.61	0.00	34.80	11.04	6.61	0.00
32.25	11.04	6.61	0.00	34.85	11.04	6.61	0.00
32.30	11.04	6.61	0.00	34.90	11.04	6.61	0.00
32.35	11.04	6.61	0.00	34.95	11.04	6.61	0.00
32.40	11.04	6.61	0.00	35.00	11.04	6.61	0.00
32.45	11.04	6.61	0.00	35.05	11.04	6.61	0.00
32.50	11.04	6.61	0.00	35.10	11.04	6.61	0.00
32.55	11.04	6.61	0.00	35.15	11.04	6.61	0.00
32.60	11.04	6.61	0.00	35.20	11.04	6.61	0.00
32.65	11.04	6.61	0.00	35.25	11.04	6.61	0.00
32.70	11.04	6.61	0.00	35.30	11.04	6.61	0.00
32.75	11.04	6.61	0.00	35.35	11.04	6.61	0.00
32.80	11.04	6.61	0.00	35.40	11.04	6.61	0.00
32.85	11.04	6.61	0.00	35.45	11.04	6.61	0.00
32.90	11.04	6.61	0.00	35.50	11.04	6.61	0.00
32.95	11.04	6.61	0.00	35.55	11.04	6.61	0.00
33.00	11.04	6.61	0.00	35.60	11.04	6.61	0.00
33.05	11.04	6.61	0.00	35.65	11.04	6.61	0.00
33.10	11.04	6.61	0.00	35.70	11.04	6.61	0.00
33.15	11.04	6.61	0.00	35.75	11.04	6.61	0.00
33.20	11.04	6.61	0.00	35.80	11.04	6.61	0.00
33.25	11.04	6.61	0.00	35.85	11.04	6.61	0.00
33.30	11.04	6.61	0.00	35.90	11.04	6.61	0.00
33.35	11.04	6.61	0.00	35.95	11.04	6.61	0.00
33.40	11.04	6.61	0.00	36.00	11.04	6.61	0.00
33.45	11.04	6.61	0.00	36.05	11.04	6.61	0.00
33.50	11.04	6.61	0.00	36.10	11.04	6.61	0.00
33.55	11.04	6.61	0.00	36.15	11.04	6.61	0.00
33.60	11.04	6.61	0.00	36.20	11.04	6.61	0.00
33.65	11.04	6.61	0.00	36.25	11.04	6.61	0.00
33.70	11.04	6.61	0.00	36.30	11.04	6.61	0.00
33.75	11.04	6.61	0.00	36.35	11.04	6.61	0.00

Hydrograph for Subcatchment X-1P: XDA-1 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.61	0.00
36.45	11.04	6.61	0.00
36.50	11.04	6.61	0.00
36.55	11.04	6.61	0.00
36.60	11.04	6.61	0.00
36.65	11.04	6.61	0.00
36.70	11.04	6.61	0.00
36.75	11.04	6.61	0.00
36.80	11.04	6.61	0.00
36.85	11.04	6.61	0.00
36.90	11.04	6.61	0.00
36.95	11.04	6.61	0.00
37.00	11.04	6.61	0.00
37.05	11.04	6.61	0.00
37.10	11.04	6.61	0.00
37.15	11.04	6.61	0.00
37.20	11.04	6.61	0.00
37.25	11.04	6.61	0.00
37.30	11.04	6.61	0.00
37.35	11.04	6.61	0.00
37.40	11.04	6.61	0.00
37.45	11.04	6.61	0.00
37.50	11.04	6.61	0.00
37.55	11.04	6.61	0.00
37.60	11.04	6.61	0.00
37.65	11.04	6.61	0.00
37.70	11.04	6.61	0.00
37.75	11.04	6.61	0.00
37.80	11.04	6.61	0.00
37.85	11.04	6.61	0.00
37.90	11.04	6.61	0.00
37.95	11.04	6.61	0.00
38.00	11.04	6.61	0.00
38.05	11.04	6.61	0.00
38.10	11.04	6.61	0.00
38.15	11.04	6.61	0.00
38.20	11.04	6.61	0.00
38.25	11.04	6.61	0.00
38.30	11.04	6.61	0.00
38.35	11.04	6.61	0.00
38.40	11.04	6.61	0.00
38.45	11.04	6.61	0.00
38.50	11.04	6.61	0.00
38.55	11.04	6.61	0.00
38.60	11.04	6.61	0.00
38.65	11.04	6.61	0.00
38.70	11.04	6.61	0.00
38.75	11.04	6.61	0.00
38.80	11.04	6.61	0.00
38.85	11.04	6.61	0.00
38.90	11.04	6.61	0.00
38.95	11.04	6.61	0.00
39.00	11.04	6.61	0.00
39.05	11.04	6.61	0.00
39.10	11.04	6.61	0.00
39.15	11.04	6.61	0.00
39.20	11.04	6.61	0.00
39.25	11.04	6.61	0.00
39.30	11.04	6.61	0.00
39.35	11.04	6.61	0.00
39.40	11.04	6.61	0.00
39.45	11.04	6.61	0.00
39.50	11.04	6.61	0.00
39.55	11.04	6.61	0.00
39.60	11.04	6.61	0.00
39.65	11.04	6.61	0.00
39.70	11.04	6.61	0.00
39.75	11.04	6.61	0.00
39.80	11.04	6.61	0.00
39.85	11.04	6.61	0.00
39.90	11.04	6.61	0.00
39.95	11.04	6.61	0.00
40.00	11.04	6.61	0.00

Summary for Subcatchment X-1S: XDA-1 (offsite pervious)

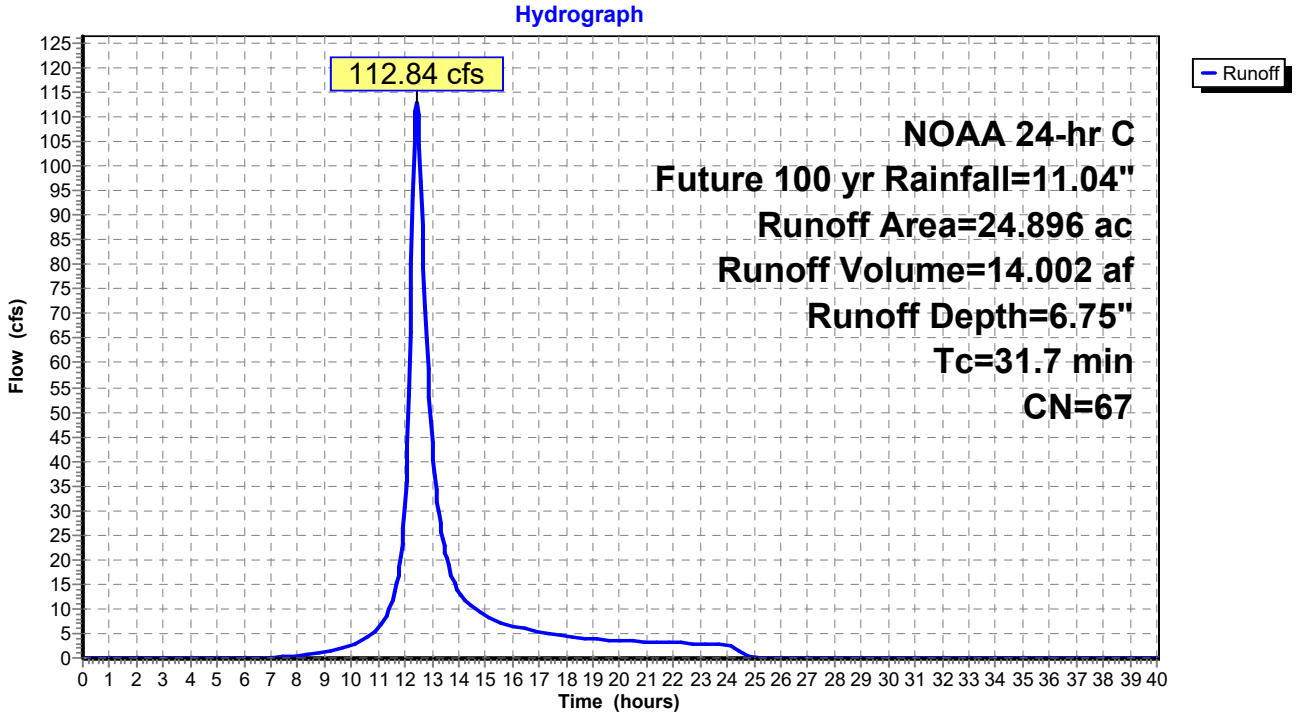
Runoff = 112.84 cfs @ 12.44 hrs, Volume= 14.002 af, Depth= 6.75"
Routed to Link XDA-1O : XDA-1O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment X-1S: XDA-1 (offsite pervious)



Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.02	0.38
5.25	0.74	0.00	0.00	7.85	1.28	0.02	0.41
5.30	0.75	0.00	0.00	7.90	1.30	0.02	0.44
5.35	0.76	0.00	0.00	7.95	1.31	0.02	0.47
5.40	0.77	0.00	0.00	8.00	1.32	0.02	0.51
5.45	0.78	0.00	0.00	8.05	1.34	0.02	0.54
5.50	0.79	0.00	0.00	8.10	1.35	0.03	0.57
5.55	0.80	0.00	0.00	8.15	1.36	0.03	0.60
5.60	0.80	0.00	0.00	8.20	1.38	0.03	0.64
5.65	0.81	0.00	0.00	8.25	1.39	0.03	0.67
5.70	0.82	0.00	0.00	8.30	1.40	0.03	0.70
5.75	0.83	0.00	0.00	8.35	1.42	0.04	0.74
5.80	0.84	0.00	0.00	8.40	1.43	0.04	0.78
5.85	0.85	0.00	0.00	8.45	1.45	0.04	0.81
5.90	0.86	0.00	0.00	8.50	1.46	0.04	0.85
5.95	0.87	0.00	0.00	8.55	1.48	0.04	0.88
6.00	0.87	0.00	0.00	8.60	1.49	0.05	0.92
6.05	0.88	0.00	0.00	8.65	1.51	0.05	0.96
6.10	0.89	0.00	0.00	8.70	1.52	0.05	1.00
6.15	0.90	0.00	0.00	8.75	1.54	0.06	1.04
6.20	0.91	0.00	0.00	8.80	1.55	0.06	1.08
6.25	0.92	0.00	0.00	8.85	1.57	0.06	1.12
6.30	0.93	0.00	0.00	8.90	1.58	0.06	1.16
6.35	0.94	0.00	0.00	8.95	1.60	0.07	1.20
6.40	0.95	0.00	0.00	9.00	1.61	0.07	1.24
6.45	0.96	0.00	0.00	9.05	1.63	0.07	1.28
6.50	0.97	0.00	0.00	9.10	1.64	0.08	1.33
6.55	0.98	0.00	0.00	9.15	1.66	0.08	1.37
6.60	0.99	0.00	0.00	9.20	1.68	0.09	1.42
6.65	1.00	0.00	0.00	9.25	1.70	0.09	1.47
6.70	1.01	0.00	0.00	9.30	1.72	0.09	1.52
6.75	1.02	0.00	0.00	9.35	1.73	0.10	1.58
6.80	1.03	0.00	0.00	9.40	1.75	0.10	1.64
6.85	1.04	0.00	0.00	9.45	1.77	0.11	1.70
6.90	1.05	0.00	0.01	9.50	1.79	0.11	1.78
6.95	1.07	0.00	0.02	9.55	1.81	0.12	1.85
7.00	1.08	0.00	0.03	9.60	1.83	0.12	1.93
7.05	1.09	0.00	0.04	9.65	1.85	0.13	2.01
7.10	1.10	0.00	0.05	9.70	1.88	0.14	2.10
7.15	1.11	0.00	0.07	9.75	1.90	0.14	2.19
7.20	1.12	0.00	0.09	9.80	1.92	0.15	2.28
7.25	1.13	0.00	0.10	9.85	1.94	0.16	2.38
7.30	1.15	0.01	0.13	9.90	1.97	0.16	2.48
7.35	1.16	0.01	0.15	9.95	1.99	0.17	2.58
7.40	1.17	0.01	0.17	10.00	2.01	0.18	2.68
7.45	1.18	0.01	0.19	10.05	2.04	0.19	2.79
7.50	1.19	0.01	0.22	10.10	2.06	0.19	2.90
7.55	1.21	0.01	0.24	10.15	2.09	0.20	3.02
7.60	1.22	0.01	0.27	10.20	2.11	0.21	3.13
7.65	1.23	0.01	0.30	10.25	2.14	0.22	3.25
7.70	1.24	0.01	0.33	10.30	2.17	0.23	3.37
7.75	1.26	0.01	0.35	10.35	2.19	0.24	3.50

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.25	3.62	13.00	8.39	4.45	43.84
10.45	2.25	0.26	3.75	13.05	8.43	4.48	40.09
10.50	2.28	0.27	3.88	13.10	8.48	4.52	36.85
10.55	2.31	0.28	4.02	13.15	8.52	4.56	34.05
10.60	2.34	0.29	4.16	13.20	8.56	4.59	31.60
10.65	2.37	0.30	4.31	13.25	8.60	4.62	29.41
10.70	2.41	0.32	4.47	13.30	8.63	4.65	27.47
10.75	2.44	0.33	4.65	13.35	8.67	4.68	25.73
10.80	2.48	0.35	4.85	13.40	8.70	4.71	24.13
10.85	2.52	0.37	5.09	13.45	8.73	4.74	22.71
10.90	2.56	0.38	5.35	13.50	8.76	4.76	21.44
10.95	2.61	0.40	5.64	13.55	8.79	4.79	20.28
11.00	2.65	0.42	5.96	13.60	8.82	4.81	19.22
11.05	2.70	0.44	6.31	13.65	8.85	4.83	18.24
11.10	2.75	0.47	6.69	13.70	8.87	4.86	17.32
11.15	2.80	0.49	7.09	13.75	8.90	4.88	16.44
11.20	2.86	0.52	7.52	13.80	8.93	4.90	15.64
11.25	2.92	0.55	8.01	13.85	8.95	4.92	14.92
11.30	2.98	0.58	8.54	13.90	8.98	4.95	14.28
11.35	3.05	0.61	9.12	13.95	9.00	4.97	13.72
11.40	3.12	0.64	9.76	14.00	9.03	4.99	13.24
11.45	3.19	0.68	10.45	14.05	9.05	5.01	12.81
11.50	3.26	0.72	11.20	14.10	9.07	5.03	12.43
11.55	3.37	0.78	12.00	14.15	9.10	5.05	12.10
11.60	3.49	0.84	12.89	14.20	9.12	5.07	11.82
11.65	3.60	0.91	13.92	14.25	9.14	5.09	11.55
11.70	3.72	0.98	15.14	14.30	9.16	5.11	11.30
11.75	3.88	1.07	16.64	14.35	9.19	5.12	11.07
11.80	4.04	1.17	18.47	14.40	9.21	5.14	10.85
11.85	4.27	1.31	20.65	14.45	9.23	5.16	10.64
11.90	4.49	1.46	23.27	14.50	9.25	5.18	10.44
11.95	4.88	1.72	26.49	14.55	9.27	5.19	10.25
12.00	5.26	1.99	30.58	14.60	9.29	5.21	10.06
12.05	5.91	2.46	36.01	14.65	9.31	5.23	9.87
12.10	6.55	2.95	43.41	14.70	9.32	5.24	9.69
12.15	6.77	3.13	53.43	14.75	9.34	5.26	9.51
12.20	7.00	3.30	66.07	14.80	9.36	5.27	9.33
12.25	7.16	3.43	80.20	14.85	9.38	5.29	9.15
12.30	7.32	3.56	93.96	14.90	9.40	5.30	8.97
12.35	7.44	3.66	105.00	14.95	9.41	5.32	8.79
12.40	7.55	3.75	111.21	15.00	9.43	5.33	8.62
12.45	7.67	3.85	**112.81**	15.05	9.44	5.35	8.44
12.50	7.78	3.94	110.24	15.10	9.46	5.36	8.27
12.55	7.85	4.00	104.45	15.15	9.47	5.37	8.09
12.60	7.92	4.06	96.68	15.20	9.49	5.39	7.92
12.65	7.99	4.11	87.99	15.25	9.50	5.40	7.75
12.70	8.06	4.17	79.34	15.30	9.52	5.41	7.58
12.75	8.12	4.22	71.64	15.35	9.53	5.42	7.42
12.80	8.18	4.27	64.77	15.40	9.55	5.44	7.28
12.85	8.24	4.32	58.58	15.45	9.56	5.45	7.15
12.90	8.29	4.36	53.02	15.50	9.58	5.46	7.03
12.95	8.34	4.41	48.10	15.55	9.59	5.47	6.93

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.49	6.84	18.20	10.20	6.01	4.24
15.65	9.62	5.50	6.75	18.25	10.21	6.01	4.20
15.70	9.64	5.51	6.68	18.30	10.22	6.02	4.15
15.75	9.65	5.52	6.61	18.35	10.23	6.03	4.11
15.80	9.66	5.54	6.55	18.40	10.24	6.04	4.07
15.85	9.68	5.55	6.49	18.45	10.24	6.04	4.04
15.90	9.69	5.56	6.43	18.50	10.25	6.05	4.01
15.95	9.70	5.57	6.38	18.55	10.26	6.06	3.98
16.00	9.72	5.58	6.32	18.60	10.27	6.07	3.95
16.05	9.73	5.59	6.27	18.65	10.28	6.07	3.93
16.10	9.74	5.61	6.22	18.70	10.29	6.08	3.91
16.15	9.76	5.62	6.17	18.75	10.30	6.09	3.89
16.20	9.77	5.63	6.12	18.80	10.30	6.10	3.88
16.25	9.78	5.64	6.07	18.85	10.31	6.10	3.86
16.30	9.80	5.65	6.03	18.90	10.32	6.11	3.85
16.35	9.81	5.66	5.98	18.95	10.33	6.12	3.83
16.40	9.82	5.67	5.93	19.00	10.34	6.13	3.82
16.45	9.83	5.68	5.89	19.05	10.35	6.13	3.81
16.50	9.85	5.69	5.84	19.10	10.35	6.14	3.79
16.55	9.86	5.71	5.79	19.15	10.36	6.15	3.78
16.60	9.87	5.72	5.75	19.20	10.37	6.16	3.77
16.65	9.88	5.73	5.70	19.25	10.38	6.16	3.76
16.70	9.89	5.74	5.65	19.30	10.39	6.17	3.74
16.75	9.91	5.75	5.60	19.35	10.40	6.18	3.73
16.80	9.92	5.76	5.56	19.40	10.40	6.18	3.72
16.85	9.93	5.77	5.51	19.45	10.41	6.19	3.71
16.90	9.94	5.78	5.47	19.50	10.42	6.20	3.70
16.95	9.95	5.79	5.42	19.55	10.43	6.21	3.69
17.00	9.96	5.80	5.37	19.60	10.44	6.21	3.67
17.05	9.97	5.81	5.32	19.65	10.44	6.22	3.66
17.10	9.99	5.82	5.28	19.70	10.45	6.23	3.65
17.15	10.00	5.83	5.23	19.75	10.46	6.23	3.64
17.20	10.01	5.84	5.19	19.80	10.47	6.24	3.63
17.25	10.02	5.85	5.14	19.85	10.48	6.25	3.62
17.30	10.03	5.85	5.09	19.90	10.48	6.26	3.61
17.35	10.04	5.86	5.05	19.95	10.49	6.26	3.59
17.40	10.05	5.87	5.00	20.00	10.50	6.27	3.58
17.45	10.06	5.88	4.95	20.05	10.51	6.28	3.57
17.50	10.07	5.89	4.91	20.10	10.52	6.28	3.56
17.55	10.08	5.90	4.86	20.15	10.52	6.29	3.55
17.60	10.09	5.91	4.81	20.20	10.53	6.30	3.54
17.65	10.10	5.92	4.76	20.25	10.54	6.30	3.53
17.70	10.11	5.93	4.71	20.30	10.55	6.31	3.51
17.75	10.12	5.93	4.67	20.35	10.55	6.32	3.50
17.80	10.13	5.94	4.62	20.40	10.56	6.32	3.49
17.85	10.14	5.95	4.58	20.45	10.57	6.33	3.48
17.90	10.15	5.96	4.53	20.50	10.58	6.34	3.46
17.95	10.16	5.97	4.48	20.55	10.58	6.34	3.45
18.00	10.17	5.97	4.43	20.60	10.59	6.35	3.44
18.05	10.17	5.98	4.39	20.65	10.60	6.36	3.43
18.10	10.18	5.99	4.34	20.70	10.61	6.36	3.42
18.15	10.19	6.00	4.29	20.75	10.61	6.37	3.41

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.38	3.40	23.40	10.97	6.68	2.78
20.85	10.63	6.38	3.38	23.45	10.97	6.69	2.77
20.90	10.64	6.39	3.37	23.50	10.98	6.70	2.75
20.95	10.64	6.40	3.36	23.55	10.99	6.70	2.74
21.00	10.65	6.40	3.35	23.60	10.99	6.71	2.73
21.05	10.66	6.41	3.34	23.65	11.00	6.71	2.72
21.10	10.66	6.42	3.33	23.70	11.00	6.72	2.71
21.15	10.67	6.42	3.31	23.75	11.01	6.72	2.69
21.20	10.68	6.43	3.30	23.80	11.01	6.73	2.68
21.25	10.69	6.43	3.29	23.85	11.02	6.73	2.67
21.30	10.69	6.44	3.28	23.90	11.03	6.74	2.66
21.35	10.70	6.45	3.26	23.95	11.03	6.74	2.65
21.40	10.71	6.45	3.25	24.00	**11.04**	**6.75**	2.64
21.45	10.71	6.46	3.24	24.05	11.04	6.75	2.63
21.50	10.72	6.47	3.23	24.10	11.04	6.75	2.62
21.55	10.73	6.47	3.22	24.15	11.04	6.75	2.60
21.60	10.74	6.48	3.21	24.20	11.04	6.75	2.53
21.65	10.74	6.48	3.20	24.25	11.04	6.75	2.40
21.70	10.75	6.49	3.18	24.30	11.04	6.75	2.20
21.75	10.76	6.50	3.17	24.35	11.04	6.75	1.94
21.80	10.76	6.50	3.16	24.40	11.04	6.75	1.67
21.85	10.77	6.51	3.15	24.45	11.04	6.75	1.39
21.90	10.78	6.51	3.13	24.50	11.04	6.75	1.13
21.95	10.78	6.52	3.12	24.55	11.04	6.75	0.90
22.00	10.79	6.53	3.11	24.60	11.04	6.75	0.70
22.05	10.80	6.53	3.10	24.65	11.04	6.75	0.55
22.10	10.80	6.54	3.09	24.70	11.04	6.75	0.44
22.15	10.81	6.54	3.08	24.75	11.04	6.75	0.35
22.20	10.82	6.55	3.07	24.80	11.04	6.75	0.28
22.25	10.82	6.56	3.05	24.85	11.04	6.75	0.22
22.30	10.83	6.56	3.04	24.90	11.04	6.75	0.17
22.35	10.84	6.57	3.03	24.95	11.04	6.75	0.14
22.40	10.84	6.57	3.02	25.00	11.04	6.75	0.11
22.45	10.85	6.58	3.01	25.05	11.04	6.75	0.08
22.50	10.86	6.59	3.00	25.10	11.04	6.75	0.07
22.55	10.86	6.59	2.98	25.15	11.04	6.75	0.05
22.60	10.87	6.60	2.97	25.20	11.04	6.75	0.04
22.65	10.88	6.60	2.96	25.25	11.04	6.75	0.03
22.70	10.88	6.61	2.95	25.30	11.04	6.75	0.02
22.75	10.89	6.61	2.93	25.35	11.04	6.75	0.02
22.80	10.89	6.62	2.92	25.40	11.04	6.75	0.01
22.85	10.90	6.62	2.91	25.45	11.04	6.75	0.01
22.90	10.91	6.63	2.90	25.50	11.04	6.75	0.01
22.95	10.91	6.64	2.89	25.55	11.04	6.75	0.01
23.00	10.92	6.64	2.88	25.60	11.04	6.75	0.00
23.05	10.93	6.65	2.86	25.65	11.04	6.75	0.00
23.10	10.93	6.65	2.85	25.70	11.04	6.75	0.00
23.15	10.94	6.66	2.84	25.75	11.04	6.75	0.00
23.20	10.94	6.66	2.83	25.80	11.04	6.75	0.00
23.25	10.95	6.67	2.81	25.85	11.04	6.75	0.00
23.30	10.96	6.67	2.80	25.90	11.04	6.75	0.00
23.35	10.96	6.68	2.79	25.95	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.75	0.00	28.60	11.04	6.75	0.00
26.05	11.04	6.75	0.00	28.65	11.04	6.75	0.00
26.10	11.04	6.75	0.00	28.70	11.04	6.75	0.00
26.15	11.04	6.75	0.00	28.75	11.04	6.75	0.00
26.20	11.04	6.75	0.00	28.80	11.04	6.75	0.00
26.25	11.04	6.75	0.00	28.85	11.04	6.75	0.00
26.30	11.04	6.75	0.00	28.90	11.04	6.75	0.00
26.35	11.04	6.75	0.00	28.95	11.04	6.75	0.00
26.40	11.04	6.75	0.00	29.00	11.04	6.75	0.00
26.45	11.04	6.75	0.00	29.05	11.04	6.75	0.00
26.50	11.04	6.75	0.00	29.10	11.04	6.75	0.00
26.55	11.04	6.75	0.00	29.15	11.04	6.75	0.00
26.60	11.04	6.75	0.00	29.20	11.04	6.75	0.00
26.65	11.04	6.75	0.00	29.25	11.04	6.75	0.00
26.70	11.04	6.75	0.00	29.30	11.04	6.75	0.00
26.75	11.04	6.75	0.00	29.35	11.04	6.75	0.00
26.80	11.04	6.75	0.00	29.40	11.04	6.75	0.00
26.85	11.04	6.75	0.00	29.45	11.04	6.75	0.00
26.90	11.04	6.75	0.00	29.50	11.04	6.75	0.00
26.95	11.04	6.75	0.00	29.55	11.04	6.75	0.00
27.00	11.04	6.75	0.00	29.60	11.04	6.75	0.00
27.05	11.04	6.75	0.00	29.65	11.04	6.75	0.00
27.10	11.04	6.75	0.00	29.70	11.04	6.75	0.00
27.15	11.04	6.75	0.00	29.75	11.04	6.75	0.00
27.20	11.04	6.75	0.00	29.80	11.04	6.75	0.00
27.25	11.04	6.75	0.00	29.85	11.04	6.75	0.00
27.30	11.04	6.75	0.00	29.90	11.04	6.75	0.00
27.35	11.04	6.75	0.00	29.95	11.04	6.75	0.00
27.40	11.04	6.75	0.00	30.00	11.04	6.75	0.00
27.45	11.04	6.75	0.00	30.05	11.04	6.75	0.00
27.50	11.04	6.75	0.00	30.10	11.04	6.75	0.00
27.55	11.04	6.75	0.00	30.15	11.04	6.75	0.00
27.60	11.04	6.75	0.00	30.20	11.04	6.75	0.00
27.65	11.04	6.75	0.00	30.25	11.04	6.75	0.00
27.70	11.04	6.75	0.00	30.30	11.04	6.75	0.00
27.75	11.04	6.75	0.00	30.35	11.04	6.75	0.00
27.80	11.04	6.75	0.00	30.40	11.04	6.75	0.00
27.85	11.04	6.75	0.00	30.45	11.04	6.75	0.00
27.90	11.04	6.75	0.00	30.50	11.04	6.75	0.00
27.95	11.04	6.75	0.00	30.55	11.04	6.75	0.00
28.00	11.04	6.75	0.00	30.60	11.04	6.75	0.00
28.05	11.04	6.75	0.00	30.65	11.04	6.75	0.00
28.10	11.04	6.75	0.00	30.70	11.04	6.75	0.00
28.15	11.04	6.75	0.00	30.75	11.04	6.75	0.00
28.20	11.04	6.75	0.00	30.80	11.04	6.75	0.00
28.25	11.04	6.75	0.00	30.85	11.04	6.75	0.00
28.30	11.04	6.75	0.00	30.90	11.04	6.75	0.00
28.35	11.04	6.75	0.00	30.95	11.04	6.75	0.00
28.40	11.04	6.75	0.00	31.00	11.04	6.75	0.00
28.45	11.04	6.75	0.00	31.05	11.04	6.75	0.00
28.50	11.04	6.75	0.00	31.10	11.04	6.75	0.00
28.55	11.04	6.75	0.00	31.15	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.75	0.00	33.80	11.04	6.75	0.00
31.25	11.04	6.75	0.00	33.85	11.04	6.75	0.00
31.30	11.04	6.75	0.00	33.90	11.04	6.75	0.00
31.35	11.04	6.75	0.00	33.95	11.04	6.75	0.00
31.40	11.04	6.75	0.00	34.00	11.04	6.75	0.00
31.45	11.04	6.75	0.00	34.05	11.04	6.75	0.00
31.50	11.04	6.75	0.00	34.10	11.04	6.75	0.00
31.55	11.04	6.75	0.00	34.15	11.04	6.75	0.00
31.60	11.04	6.75	0.00	34.20	11.04	6.75	0.00
31.65	11.04	6.75	0.00	34.25	11.04	6.75	0.00
31.70	11.04	6.75	0.00	34.30	11.04	6.75	0.00
31.75	11.04	6.75	0.00	34.35	11.04	6.75	0.00
31.80	11.04	6.75	0.00	34.40	11.04	6.75	0.00
31.85	11.04	6.75	0.00	34.45	11.04	6.75	0.00
31.90	11.04	6.75	0.00	34.50	11.04	6.75	0.00
31.95	11.04	6.75	0.00	34.55	11.04	6.75	0.00
32.00	11.04	6.75	0.00	34.60	11.04	6.75	0.00
32.05	11.04	6.75	0.00	34.65	11.04	6.75	0.00
32.10	11.04	6.75	0.00	34.70	11.04	6.75	0.00
32.15	11.04	6.75	0.00	34.75	11.04	6.75	0.00
32.20	11.04	6.75	0.00	34.80	11.04	6.75	0.00
32.25	11.04	6.75	0.00	34.85	11.04	6.75	0.00
32.30	11.04	6.75	0.00	34.90	11.04	6.75	0.00
32.35	11.04	6.75	0.00	34.95	11.04	6.75	0.00
32.40	11.04	6.75	0.00	35.00	11.04	6.75	0.00
32.45	11.04	6.75	0.00	35.05	11.04	6.75	0.00
32.50	11.04	6.75	0.00	35.10	11.04	6.75	0.00
32.55	11.04	6.75	0.00	35.15	11.04	6.75	0.00
32.60	11.04	6.75	0.00	35.20	11.04	6.75	0.00
32.65	11.04	6.75	0.00	35.25	11.04	6.75	0.00
32.70	11.04	6.75	0.00	35.30	11.04	6.75	0.00
32.75	11.04	6.75	0.00	35.35	11.04	6.75	0.00
32.80	11.04	6.75	0.00	35.40	11.04	6.75	0.00
32.85	11.04	6.75	0.00	35.45	11.04	6.75	0.00
32.90	11.04	6.75	0.00	35.50	11.04	6.75	0.00
32.95	11.04	6.75	0.00	35.55	11.04	6.75	0.00
33.00	11.04	6.75	0.00	35.60	11.04	6.75	0.00
33.05	11.04	6.75	0.00	35.65	11.04	6.75	0.00
33.10	11.04	6.75	0.00	35.70	11.04	6.75	0.00
33.15	11.04	6.75	0.00	35.75	11.04	6.75	0.00
33.20	11.04	6.75	0.00	35.80	11.04	6.75	0.00
33.25	11.04	6.75	0.00	35.85	11.04	6.75	0.00
33.30	11.04	6.75	0.00	35.90	11.04	6.75	0.00
33.35	11.04	6.75	0.00	35.95	11.04	6.75	0.00
33.40	11.04	6.75	0.00	36.00	11.04	6.75	0.00
33.45	11.04	6.75	0.00	36.05	11.04	6.75	0.00
33.50	11.04	6.75	0.00	36.10	11.04	6.75	0.00
33.55	11.04	6.75	0.00	36.15	11.04	6.75	0.00
33.60	11.04	6.75	0.00	36.20	11.04	6.75	0.00
33.65	11.04	6.75	0.00	36.25	11.04	6.75	0.00
33.70	11.04	6.75	0.00	36.30	11.04	6.75	0.00
33.75	11.04	6.75	0.00	36.35	11.04	6.75	0.00

Hydrograph for Subcatchment X-1S: XDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.75	0.00
36.45	11.04	6.75	0.00
36.50	11.04	6.75	0.00
36.55	11.04	6.75	0.00
36.60	11.04	6.75	0.00
36.65	11.04	6.75	0.00
36.70	11.04	6.75	0.00
36.75	11.04	6.75	0.00
36.80	11.04	6.75	0.00
36.85	11.04	6.75	0.00
36.90	11.04	6.75	0.00
36.95	11.04	6.75	0.00
37.00	11.04	6.75	0.00
37.05	11.04	6.75	0.00
37.10	11.04	6.75	0.00
37.15	11.04	6.75	0.00
37.20	11.04	6.75	0.00
37.25	11.04	6.75	0.00
37.30	11.04	6.75	0.00
37.35	11.04	6.75	0.00
37.40	11.04	6.75	0.00
37.45	11.04	6.75	0.00
37.50	11.04	6.75	0.00
37.55	11.04	6.75	0.00
37.60	11.04	6.75	0.00
37.65	11.04	6.75	0.00
37.70	11.04	6.75	0.00
37.75	11.04	6.75	0.00
37.80	11.04	6.75	0.00
37.85	11.04	6.75	0.00
37.90	11.04	6.75	0.00
37.95	11.04	6.75	0.00
38.00	11.04	6.75	0.00
38.05	11.04	6.75	0.00
38.10	11.04	6.75	0.00
38.15	11.04	6.75	0.00
38.20	11.04	6.75	0.00
38.25	11.04	6.75	0.00
38.30	11.04	6.75	0.00
38.35	11.04	6.75	0.00
38.40	11.04	6.75	0.00
38.45	11.04	6.75	0.00
38.50	11.04	6.75	0.00
38.55	11.04	6.75	0.00
38.60	11.04	6.75	0.00
38.65	11.04	6.75	0.00
38.70	11.04	6.75	0.00
38.75	11.04	6.75	0.00
38.80	11.04	6.75	0.00
38.85	11.04	6.75	0.00
38.90	11.04	6.75	0.00
38.95	11.04	6.75	0.00
39.00	11.04	6.75	0.00
39.05	11.04	6.75	0.00
39.10	11.04	6.75	0.00
39.15	11.04	6.75	0.00
39.20	11.04	6.75	0.00
39.25	11.04	6.75	0.00
39.30	11.04	6.75	0.00
39.35	11.04	6.75	0.00
39.40	11.04	6.75	0.00
39.45	11.04	6.75	0.00
39.50	11.04	6.75	0.00
39.55	11.04	6.75	0.00
39.60	11.04	6.75	0.00
39.65	11.04	6.75	0.00
39.70	11.04	6.75	0.00
39.75	11.04	6.75	0.00
39.80	11.04	6.75	0.00
39.85	11.04	6.75	0.00
39.90	11.04	6.75	0.00
39.95	11.04	6.75	0.00
40.00	11.04	6.75	0.00

Summary for Subcatchment X-2P: XDA-2 (pervious)

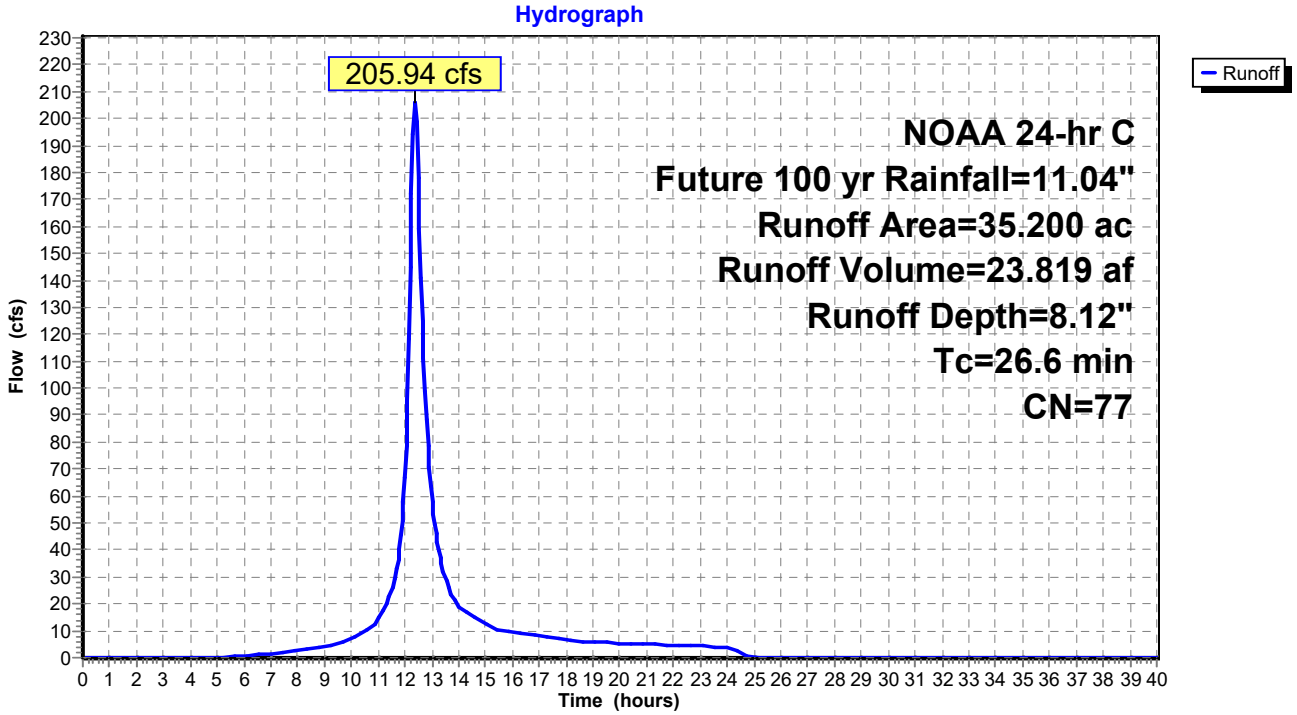
Runoff = 205.94 cfs @ 12.37 hrs, Volume= 23.819 af, Depth= 8.12"
Routed to Link XDA-2 : Existing Drainage Area #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
5.890	71	Row crops, C&T, Good, HSG B
27.320	78	Row crops, C&T, Good, HSG C
1.990	81	Row crops, C&T, Good, HSG D
35.200	77	Weighted Average
35.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.6					**Direct Entry,**

Subcatchment X-2P: XDA-2 (pervious)



Hydrograph for Subcatchment X-2P: XDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.01
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.01
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.02
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.04
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.06
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.08
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.10
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.13
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.15
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.18
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.21
2.55	0.33	0.00	0.00	5.15	0.73	0.01	0.24

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.01	0.27	7.80	1.27	0.12	2.53
5.25	0.74	0.01	0.30	7.85	1.28	0.13	2.59
5.30	0.75	0.01	0.33	7.90	1.30	0.13	2.65
5.35	0.76	0.01	0.36	7.95	1.31	0.14	2.72
5.40	0.77	0.01	0.39	8.00	1.32	0.14	2.79
5.45	0.78	0.01	0.42	8.05	1.34	0.15	2.85
5.50	0.79	0.01	0.45	8.10	1.35	0.15	2.92
5.55	0.80	0.01	0.48	8.15	1.36	0.16	2.99
5.60	0.80	0.01	0.51	8.20	1.38	0.16	3.06
5.65	0.81	0.01	0.55	8.25	1.39	0.17	3.13
5.70	0.82	0.02	0.58	8.30	1.40	0.17	3.20
5.75	0.83	0.02	0.61	8.35	1.42	0.18	3.27
5.80	0.84	0.02	0.64	8.40	1.43	0.18	3.34
5.85	0.85	0.02	0.67	8.45	1.45	0.19	3.41
5.90	0.86	0.02	0.70	8.50	1.46	0.19	3.48
5.95	0.87	0.02	0.74	8.55	1.48	0.20	3.56
6.00	0.87	0.02	0.77	8.60	1.49	0.21	3.63
6.05	0.88	0.03	0.80	8.65	1.51	0.21	3.70
6.10	0.89	0.03	0.83	8.70	1.52	0.22	3.78
6.15	0.90	0.03	0.86	8.75	1.54	0.22	3.85
6.20	0.91	0.03	0.90	8.80	1.55	0.23	3.93
6.25	0.92	0.03	0.93	8.85	1.57	0.24	4.01
6.30	0.93	0.03	0.97	8.90	1.58	0.24	4.09
6.35	0.94	0.04	1.01	8.95	1.60	0.25	4.16
6.40	0.95	0.04	1.04	9.00	1.61	0.26	4.24
6.45	0.96	0.04	1.09	9.05	1.63	0.26	4.32
6.50	0.97	0.04	1.13	9.10	1.64	0.27	4.40
6.55	0.98	0.04	1.17	9.15	1.66	0.28	4.49
6.60	0.99	0.05	1.21	9.20	1.68	0.29	4.58
6.65	1.00	0.05	1.26	9.25	1.70	0.30	4.69
6.70	1.01	0.05	1.31	9.30	1.72	0.30	4.80
6.75	1.02	0.05	1.35	9.35	1.73	0.31	4.94
6.80	1.03	0.06	1.40	9.40	1.75	0.32	5.08
6.85	1.04	0.06	1.45	9.45	1.77	0.33	5.24
6.90	1.05	0.06	1.50	9.50	1.79	0.34	5.40
6.95	1.07	0.06	1.55	9.55	1.81	0.35	5.58
7.00	1.08	0.07	1.60	9.60	1.83	0.36	5.76
7.05	1.09	0.07	1.65	9.65	1.85	0.37	5.94
7.10	1.10	0.07	1.70	9.70	1.88	0.38	6.14
7.15	1.11	0.08	1.76	9.75	1.90	0.39	6.33
7.20	1.12	0.08	1.81	9.80	1.92	0.41	6.53
7.25	1.13	0.08	1.87	9.85	1.94	0.42	6.74
7.30	1.15	0.09	1.93	9.90	1.97	0.43	6.95
7.35	1.16	0.09	1.98	9.95	1.99	0.44	7.16
7.40	1.17	0.09	2.04	10.00	2.01	0.46	7.38
7.45	1.18	0.10	2.10	10.05	2.04	0.47	7.60
7.50	1.19	0.10	2.16	10.10	2.06	0.48	7.82
7.55	1.21	0.10	2.22	10.15	2.09	0.50	8.05
7.60	1.22	0.11	2.28	10.20	2.11	0.51	8.28
7.65	1.23	0.11	2.34	10.25	2.14	0.52	8.51
7.70	1.24	0.12	2.40	10.30	2.17	0.54	8.75
7.75	1.26	0.12	2.46	10.35	2.19	0.56	8.99

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.57	9.23	13.00	8.39	5.63	58.14
10.45	2.25	0.59	9.47	13.05	8.43	5.67	53.38
10.50	2.28	0.60	9.72	13.10	8.48	5.71	49.34
10.55	2.31	0.62	9.98	13.15	8.52	5.75	45.81
10.60	2.34	0.64	10.24	13.20	8.56	5.79	42.67
10.65	2.37	0.66	10.53	13.25	8.60	5.82	39.85
10.70	2.41	0.68	10.86	13.30	8.63	5.86	37.33
10.75	2.44	0.71	11.25	13.35	8.67	5.89	35.07
10.80	2.48	0.73	11.71	13.40	8.70	5.92	33.05
10.85	2.52	0.75	12.23	13.45	8.73	5.95	31.22
10.90	2.56	0.78	12.82	13.50	8.76	5.98	29.55
10.95	2.61	0.81	13.47	13.55	8.79	6.01	28.03
11.00	2.65	0.84	14.17	13.60	8.82	6.03	26.66
11.05	2.70	0.87	14.91	13.65	8.85	6.06	25.41
11.10	2.75	0.90	15.69	13.70	8.87	6.08	24.23
11.15	2.80	0.94	16.53	13.75	8.90	6.11	23.13
11.20	2.86	0.98	17.44	13.80	8.93	6.13	22.12
11.25	2.92	1.02	18.46	13.85	8.95	6.15	21.21
11.30	2.98	1.06	19.58	13.90	8.98	6.18	20.41
11.35	3.05	1.11	20.81	13.95	9.00	6.20	19.73
11.40	3.12	1.15	22.14	14.00	9.03	6.22	19.14
11.45	3.19	1.20	23.56	14.05	9.05	6.25	18.64
11.50	3.26	1.26	25.05	14.10	9.07	6.27	18.19
11.55	3.37	1.34	26.63	14.15	9.10	6.29	17.79
11.60	3.49	1.42	28.39	14.20	9.12	6.31	17.41
11.65	3.60	1.51	30.52	14.25	9.14	6.33	17.07
11.70	3.72	1.60	33.23	14.30	9.16	6.35	16.74
11.75	3.88	1.72	36.58	14.35	9.19	6.37	16.43
11.80	4.04	1.85	40.60	14.40	9.21	6.39	16.13
11.85	4.27	2.02	45.32	14.45	9.23	6.41	15.84
11.90	4.49	2.20	50.92	14.50	9.25	6.43	15.55
11.95	4.88	2.52	57.91	14.55	9.27	6.45	15.26
12.00	5.26	2.84	67.00	14.60	9.29	6.47	14.98
12.05	5.91	3.40	78.93	14.65	9.31	6.48	14.71
12.10	6.55	3.96	95.59	14.70	9.32	6.50	14.43
12.15	6.77	4.16	117.98	14.75	9.34	6.52	14.16
12.20	7.00	4.36	144.79	14.80	9.36	6.54	13.89
12.25	7.16	4.51	172.32	14.85	9.38	6.55	13.61
12.30	7.32	4.65	194.09	14.90	9.40	6.57	13.34
12.35	7.44	4.76	**204.85**	14.95	9.41	6.58	13.07
12.40	7.55	4.87	204.10	15.00	9.43	6.60	12.80
12.45	7.67	4.97	194.17	15.05	9.44	6.61	12.53
12.50	7.78	5.07	178.24	15.10	9.46	6.63	12.25
12.55	7.85	5.14	159.27	15.15	9.47	6.64	11.98
12.60	7.92	5.20	140.77	15.20	9.49	6.66	11.71
12.65	7.99	5.26	124.81	15.25	9.50	6.67	11.45
12.70	8.06	5.33	111.08	15.30	9.52	6.68	11.21
12.75	8.12	5.38	98.86	15.35	9.53	6.70	10.99
12.80	8.18	5.44	88.07	15.40	9.55	6.71	10.79
12.85	8.24	5.49	78.72	15.45	9.56	6.73	10.62
12.90	8.29	5.54	70.71	15.50	9.58	6.74	10.47
12.95	8.34	5.59	63.87	15.55	9.59	6.75	10.33

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.77	10.22	18.20	10.20	7.32	6.34
15.65	9.62	6.78	10.12	18.25	10.21	7.33	6.27
15.70	9.64	6.79	10.02	18.30	10.22	7.34	6.20
15.75	9.65	6.81	9.93	18.35	10.23	7.35	6.14
15.80	9.66	6.82	9.85	18.40	10.24	7.36	6.09
15.85	9.68	6.83	9.76	18.45	10.24	7.37	6.04
15.90	9.69	6.84	9.68	18.50	10.25	7.37	6.00
15.95	9.70	6.86	9.60	18.55	10.26	7.38	5.97
16.00	9.72	6.87	9.52	18.60	10.27	7.39	5.94
16.05	9.73	6.88	9.45	18.65	10.28	7.40	5.91
16.10	9.74	6.89	9.38	18.70	10.29	7.41	5.89
16.15	9.76	6.91	9.30	18.75	10.30	7.41	5.86
16.20	9.77	6.92	9.23	18.80	10.30	7.42	5.84
16.25	9.78	6.93	9.16	18.85	10.31	7.43	5.82
16.30	9.80	6.94	9.09	18.90	10.32	7.44	5.80
16.35	9.81	6.96	9.02	18.95	10.33	7.45	5.78
16.40	9.82	6.97	8.94	19.00	10.34	7.45	5.76
16.45	9.83	6.98	8.87	19.05	10.35	7.46	5.74
16.50	9.85	6.99	8.80	19.10	10.35	7.47	5.72
16.55	9.86	7.00	8.72	19.15	10.36	7.48	5.70
16.60	9.87	7.01	8.65	19.20	10.37	7.49	5.69
16.65	9.88	7.02	8.58	19.25	10.38	7.49	5.67
16.70	9.89	7.04	8.51	19.30	10.39	7.50	5.65
16.75	9.91	7.05	8.44	19.35	10.40	7.51	5.63
16.80	9.92	7.06	8.36	19.40	10.40	7.52	5.61
16.85	9.93	7.07	8.29	19.45	10.41	7.52	5.59
16.90	9.94	7.08	8.22	19.50	10.42	7.53	5.58
16.95	9.95	7.09	8.15	19.55	10.43	7.54	5.56
17.00	9.96	7.10	8.08	19.60	10.44	7.55	5.54
17.05	9.97	7.11	8.00	19.65	10.44	7.56	5.52
17.10	9.99	7.12	7.93	19.70	10.45	7.56	5.50
17.15	10.00	7.13	7.86	19.75	10.46	7.57	5.49
17.20	10.01	7.14	7.79	19.80	10.47	7.58	5.47
17.25	10.02	7.15	7.72	19.85	10.48	7.59	5.45
17.30	10.03	7.16	7.65	19.90	10.48	7.59	5.44
17.35	10.04	7.17	7.57	19.95	10.49	7.60	5.42
17.40	10.05	7.18	7.50	20.00	10.50	7.61	5.40
17.45	10.06	7.19	7.42	20.05	10.51	7.61	5.39
17.50	10.07	7.20	7.35	20.10	10.52	7.62	5.37
17.55	10.08	7.21	7.28	20.15	10.52	7.63	5.35
17.60	10.09	7.22	7.20	20.20	10.53	7.64	5.33
17.65	10.10	7.23	7.13	20.25	10.54	7.64	5.31
17.70	10.11	7.24	7.06	20.30	10.55	7.65	5.29
17.75	10.12	7.25	6.99	20.35	10.55	7.66	5.27
17.80	10.13	7.26	6.92	20.40	10.56	7.67	5.25
17.85	10.14	7.27	6.84	20.45	10.57	7.67	5.23
17.90	10.15	7.27	6.77	20.50	10.58	7.68	5.22
17.95	10.16	7.28	6.70	20.55	10.58	7.69	5.20
18.00	10.17	7.29	6.63	20.60	10.59	7.69	5.18
18.05	10.17	7.30	6.55	20.65	10.60	7.70	5.16
18.10	10.18	7.31	6.48	20.70	10.61	7.71	5.15
18.15	10.19	7.32	6.41	20.75	10.61	7.72	5.13

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.72	5.11	23.40	10.97	8.05	4.16
20.85	10.63	7.73	5.10	23.45	10.97	8.06	4.14
20.90	10.64	7.74	5.08	23.50	10.98	8.06	4.12
20.95	10.64	7.74	5.06	23.55	10.99	8.07	4.11
21.00	10.65	7.75	5.04	23.60	10.99	8.07	4.09
21.05	10.66	7.76	5.02	23.65	11.00	8.08	4.07
21.10	10.66	7.76	5.00	23.70	11.00	8.08	4.05
21.15	10.67	7.77	4.98	23.75	11.01	8.09	4.04
21.20	10.68	7.78	4.96	23.80	11.01	8.10	4.02
21.25	10.69	7.78	4.94	23.85	11.02	8.10	4.00
21.30	10.69	7.79	4.93	23.90	11.03	8.11	3.98
21.35	10.70	7.80	4.91	23.95	11.03	8.11	3.96
21.40	10.71	7.80	4.89	24.00	**11.04**	**8.12**	3.95
21.45	10.71	7.81	4.87	24.05	11.04	8.12	3.96
21.50	10.72	7.82	4.86	24.10	11.04	8.12	3.96
21.55	10.73	7.82	4.84	24.15	11.04	8.12	3.90
21.60	10.74	7.83	4.82	24.20	11.04	8.12	3.71
21.65	10.74	7.84	4.80	24.25	11.04	8.12	3.36
21.70	10.75	7.84	4.78	24.30	11.04	8.12	2.89
21.75	10.76	7.85	4.76	24.35	11.04	8.12	2.38
21.80	10.76	7.86	4.74	24.40	11.04	8.12	1.88
21.85	10.77	7.86	4.73	24.45	11.04	8.12	1.44
21.90	10.78	7.87	4.71	24.50	11.04	8.12	1.08
21.95	10.78	7.88	4.69	24.55	11.04	8.12	0.81
22.00	10.79	7.88	4.68	24.60	11.04	8.12	0.62
22.05	10.80	7.89	4.66	24.65	11.04	8.12	0.47
22.10	10.80	7.90	4.64	24.70	11.04	8.12	0.35
22.15	10.81	7.90	4.62	24.75	11.04	8.12	0.27
22.20	10.82	7.91	4.60	24.80	11.04	8.12	0.20
22.25	10.82	7.91	4.58	24.85	11.04	8.12	0.15
22.30	10.83	7.92	4.56	24.90	11.04	8.12	0.11
22.35	10.84	7.93	4.55	24.95	11.04	8.12	0.09
22.40	10.84	7.93	4.53	25.00	11.04	8.12	0.06
22.45	10.85	7.94	4.51	25.05	11.04	8.12	0.05
22.50	10.86	7.95	4.49	25.10	11.04	8.12	0.03
22.55	10.86	7.95	4.48	25.15	11.04	8.12	0.03
22.60	10.87	7.96	4.46	25.20	11.04	8.12	0.02
22.65	10.88	7.96	4.44	25.25	11.04	8.12	0.01
22.70	10.88	7.97	4.42	25.30	11.04	8.12	0.01
22.75	10.89	7.98	4.40	25.35	11.04	8.12	0.00
22.80	10.89	7.98	4.38	25.40	11.04	8.12	0.00
22.85	10.90	7.99	4.37	25.45	11.04	8.12	0.00
22.90	10.91	7.99	4.35	25.50	11.04	8.12	0.00
22.95	10.91	8.00	4.33	25.55	11.04	8.12	0.00
23.00	10.92	8.01	4.31	25.60	11.04	8.12	0.00
23.05	10.93	8.01	4.29	25.65	11.04	8.12	0.00
23.10	10.93	8.02	4.27	25.70	11.04	8.12	0.00
23.15	10.94	8.02	4.25	25.75	11.04	8.12	0.00
23.20	10.94	8.03	4.24	25.80	11.04	8.12	0.00
23.25	10.95	8.03	4.22	25.85	11.04	8.12	0.00
23.30	10.96	8.04	4.20	25.90	11.04	8.12	0.00
23.35	10.96	8.05	4.18	25.95	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	8.12	0.00	28.60	11.04	8.12	0.00
26.05	11.04	8.12	0.00	28.65	11.04	8.12	0.00
26.10	11.04	8.12	0.00	28.70	11.04	8.12	0.00
26.15	11.04	8.12	0.00	28.75	11.04	8.12	0.00
26.20	11.04	8.12	0.00	28.80	11.04	8.12	0.00
26.25	11.04	8.12	0.00	28.85	11.04	8.12	0.00
26.30	11.04	8.12	0.00	28.90	11.04	8.12	0.00
26.35	11.04	8.12	0.00	28.95	11.04	8.12	0.00
26.40	11.04	8.12	0.00	29.00	11.04	8.12	0.00
26.45	11.04	8.12	0.00	29.05	11.04	8.12	0.00
26.50	11.04	8.12	0.00	29.10	11.04	8.12	0.00
26.55	11.04	8.12	0.00	29.15	11.04	8.12	0.00
26.60	11.04	8.12	0.00	29.20	11.04	8.12	0.00
26.65	11.04	8.12	0.00	29.25	11.04	8.12	0.00
26.70	11.04	8.12	0.00	29.30	11.04	8.12	0.00
26.75	11.04	8.12	0.00	29.35	11.04	8.12	0.00
26.80	11.04	8.12	0.00	29.40	11.04	8.12	0.00
26.85	11.04	8.12	0.00	29.45	11.04	8.12	0.00
26.90	11.04	8.12	0.00	29.50	11.04	8.12	0.00
26.95	11.04	8.12	0.00	29.55	11.04	8.12	0.00
27.00	11.04	8.12	0.00	29.60	11.04	8.12	0.00
27.05	11.04	8.12	0.00	29.65	11.04	8.12	0.00
27.10	11.04	8.12	0.00	29.70	11.04	8.12	0.00
27.15	11.04	8.12	0.00	29.75	11.04	8.12	0.00
27.20	11.04	8.12	0.00	29.80	11.04	8.12	0.00
27.25	11.04	8.12	0.00	29.85	11.04	8.12	0.00
27.30	11.04	8.12	0.00	29.90	11.04	8.12	0.00
27.35	11.04	8.12	0.00	29.95	11.04	8.12	0.00
27.40	11.04	8.12	0.00	30.00	11.04	8.12	0.00
27.45	11.04	8.12	0.00	30.05	11.04	8.12	0.00
27.50	11.04	8.12	0.00	30.10	11.04	8.12	0.00
27.55	11.04	8.12	0.00	30.15	11.04	8.12	0.00
27.60	11.04	8.12	0.00	30.20	11.04	8.12	0.00
27.65	11.04	8.12	0.00	30.25	11.04	8.12	0.00
27.70	11.04	8.12	0.00	30.30	11.04	8.12	0.00
27.75	11.04	8.12	0.00	30.35	11.04	8.12	0.00
27.80	11.04	8.12	0.00	30.40	11.04	8.12	0.00
27.85	11.04	8.12	0.00	30.45	11.04	8.12	0.00
27.90	11.04	8.12	0.00	30.50	11.04	8.12	0.00
27.95	11.04	8.12	0.00	30.55	11.04	8.12	0.00
28.00	11.04	8.12	0.00	30.60	11.04	8.12	0.00
28.05	11.04	8.12	0.00	30.65	11.04	8.12	0.00
28.10	11.04	8.12	0.00	30.70	11.04	8.12	0.00
28.15	11.04	8.12	0.00	30.75	11.04	8.12	0.00
28.20	11.04	8.12	0.00	30.80	11.04	8.12	0.00
28.25	11.04	8.12	0.00	30.85	11.04	8.12	0.00
28.30	11.04	8.12	0.00	30.90	11.04	8.12	0.00
28.35	11.04	8.12	0.00	30.95	11.04	8.12	0.00
28.40	11.04	8.12	0.00	31.00	11.04	8.12	0.00
28.45	11.04	8.12	0.00	31.05	11.04	8.12	0.00
28.50	11.04	8.12	0.00	31.10	11.04	8.12	0.00
28.55	11.04	8.12	0.00	31.15	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	8.12	0.00	33.80	11.04	8.12	0.00
31.25	11.04	8.12	0.00	33.85	11.04	8.12	0.00
31.30	11.04	8.12	0.00	33.90	11.04	8.12	0.00
31.35	11.04	8.12	0.00	33.95	11.04	8.12	0.00
31.40	11.04	8.12	0.00	34.00	11.04	8.12	0.00
31.45	11.04	8.12	0.00	34.05	11.04	8.12	0.00
31.50	11.04	8.12	0.00	34.10	11.04	8.12	0.00
31.55	11.04	8.12	0.00	34.15	11.04	8.12	0.00
31.60	11.04	8.12	0.00	34.20	11.04	8.12	0.00
31.65	11.04	8.12	0.00	34.25	11.04	8.12	0.00
31.70	11.04	8.12	0.00	34.30	11.04	8.12	0.00
31.75	11.04	8.12	0.00	34.35	11.04	8.12	0.00
31.80	11.04	8.12	0.00	34.40	11.04	8.12	0.00
31.85	11.04	8.12	0.00	34.45	11.04	8.12	0.00
31.90	11.04	8.12	0.00	34.50	11.04	8.12	0.00
31.95	11.04	8.12	0.00	34.55	11.04	8.12	0.00
32.00	11.04	8.12	0.00	34.60	11.04	8.12	0.00
32.05	11.04	8.12	0.00	34.65	11.04	8.12	0.00
32.10	11.04	8.12	0.00	34.70	11.04	8.12	0.00
32.15	11.04	8.12	0.00	34.75	11.04	8.12	0.00
32.20	11.04	8.12	0.00	34.80	11.04	8.12	0.00
32.25	11.04	8.12	0.00	34.85	11.04	8.12	0.00
32.30	11.04	8.12	0.00	34.90	11.04	8.12	0.00
32.35	11.04	8.12	0.00	34.95	11.04	8.12	0.00
32.40	11.04	8.12	0.00	35.00	11.04	8.12	0.00
32.45	11.04	8.12	0.00	35.05	11.04	8.12	0.00
32.50	11.04	8.12	0.00	35.10	11.04	8.12	0.00
32.55	11.04	8.12	0.00	35.15	11.04	8.12	0.00
32.60	11.04	8.12	0.00	35.20	11.04	8.12	0.00
32.65	11.04	8.12	0.00	35.25	11.04	8.12	0.00
32.70	11.04	8.12	0.00	35.30	11.04	8.12	0.00
32.75	11.04	8.12	0.00	35.35	11.04	8.12	0.00
32.80	11.04	8.12	0.00	35.40	11.04	8.12	0.00
32.85	11.04	8.12	0.00	35.45	11.04	8.12	0.00
32.90	11.04	8.12	0.00	35.50	11.04	8.12	0.00
32.95	11.04	8.12	0.00	35.55	11.04	8.12	0.00
33.00	11.04	8.12	0.00	35.60	11.04	8.12	0.00
33.05	11.04	8.12	0.00	35.65	11.04	8.12	0.00
33.10	11.04	8.12	0.00	35.70	11.04	8.12	0.00
33.15	11.04	8.12	0.00	35.75	11.04	8.12	0.00
33.20	11.04	8.12	0.00	35.80	11.04	8.12	0.00
33.25	11.04	8.12	0.00	35.85	11.04	8.12	0.00
33.30	11.04	8.12	0.00	35.90	11.04	8.12	0.00
33.35	11.04	8.12	0.00	35.95	11.04	8.12	0.00
33.40	11.04	8.12	0.00	36.00	11.04	8.12	0.00
33.45	11.04	8.12	0.00	36.05	11.04	8.12	0.00
33.50	11.04	8.12	0.00	36.10	11.04	8.12	0.00
33.55	11.04	8.12	0.00	36.15	11.04	8.12	0.00
33.60	11.04	8.12	0.00	36.20	11.04	8.12	0.00
33.65	11.04	8.12	0.00	36.25	11.04	8.12	0.00
33.70	11.04	8.12	0.00	36.30	11.04	8.12	0.00
33.75	11.04	8.12	0.00	36.35	11.04	8.12	0.00

Hydrograph for Subcatchment X-2P: XDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	8.12	0.00
36.45	11.04	8.12	0.00
36.50	11.04	8.12	0.00
36.55	11.04	8.12	0.00
36.60	11.04	8.12	0.00
36.65	11.04	8.12	0.00
36.70	11.04	8.12	0.00
36.75	11.04	8.12	0.00
36.80	11.04	8.12	0.00
36.85	11.04	8.12	0.00
36.90	11.04	8.12	0.00
36.95	11.04	8.12	0.00
37.00	11.04	8.12	0.00
37.05	11.04	8.12	0.00
37.10	11.04	8.12	0.00
37.15	11.04	8.12	0.00
37.20	11.04	8.12	0.00
37.25	11.04	8.12	0.00
37.30	11.04	8.12	0.00
37.35	11.04	8.12	0.00
37.40	11.04	8.12	0.00
37.45	11.04	8.12	0.00
37.50	11.04	8.12	0.00
37.55	11.04	8.12	0.00
37.60	11.04	8.12	0.00
37.65	11.04	8.12	0.00
37.70	11.04	8.12	0.00
37.75	11.04	8.12	0.00
37.80	11.04	8.12	0.00
37.85	11.04	8.12	0.00
37.90	11.04	8.12	0.00
37.95	11.04	8.12	0.00
38.00	11.04	8.12	0.00
38.05	11.04	8.12	0.00
38.10	11.04	8.12	0.00
38.15	11.04	8.12	0.00
38.20	11.04	8.12	0.00
38.25	11.04	8.12	0.00
38.30	11.04	8.12	0.00
38.35	11.04	8.12	0.00
38.40	11.04	8.12	0.00
38.45	11.04	8.12	0.00
38.50	11.04	8.12	0.00
38.55	11.04	8.12	0.00
38.60	11.04	8.12	0.00
38.65	11.04	8.12	0.00
38.70	11.04	8.12	0.00
38.75	11.04	8.12	0.00
38.80	11.04	8.12	0.00
38.85	11.04	8.12	0.00
38.90	11.04	8.12	0.00
38.95	11.04	8.12	0.00
39.00	11.04	8.12	0.00
39.05	11.04	8.12	0.00
39.10	11.04	8.12	0.00
39.15	11.04	8.12	0.00
39.20	11.04	8.12	0.00
39.25	11.04	8.12	0.00
39.30	11.04	8.12	0.00
39.35	11.04	8.12	0.00
39.40	11.04	8.12	0.00
39.45	11.04	8.12	0.00
39.50	11.04	8.12	0.00
39.55	11.04	8.12	0.00
39.60	11.04	8.12	0.00
39.65	11.04	8.12	0.00
39.70	11.04	8.12	0.00
39.75	11.04	8.12	0.00
39.80	11.04	8.12	0.00
39.85	11.04	8.12	0.00
39.90	11.04	8.12	0.00
39.95	11.04	8.12	0.00
40.00	11.04	8.12	0.00

Summary for Subcatchment X-3P: XDA-3 (pervious)

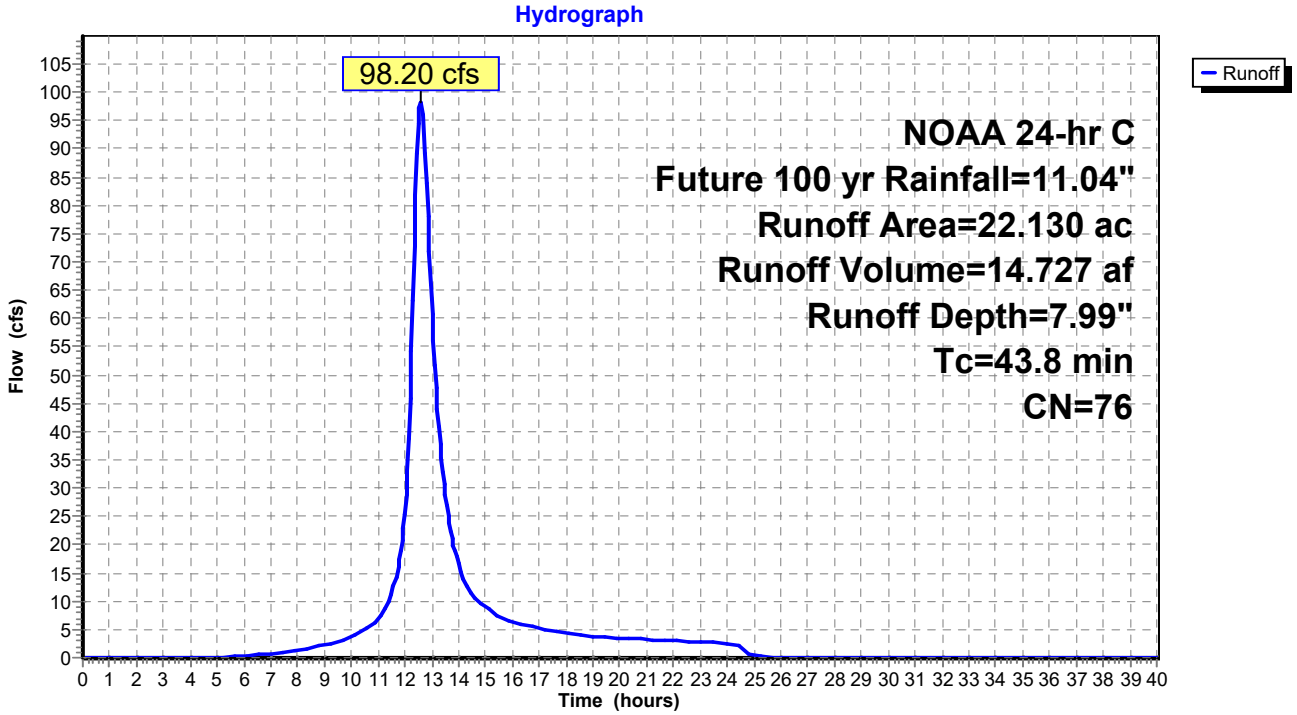
Runoff = 98.20 cfs @ 12.59 hrs, Volume= 14.727 af, Depth= 7.99"
Routed to Link XDA-3 : Existing Drainage Area #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
6.110	70	Woods, Good, HSG C
0.900	71	Row crops, C&T, Good, HSG B
15.120	78	Row crops, C&T, Good, HSG C
22.130	76	Weighted Average
22.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
43.8					**Direct Entry,**

Subcatchment X-3P: XDA-3 (pervious)



Hydrograph for Subcatchment X-3P: XDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.01
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.01
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.01
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.02
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.03

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.04	7.80	1.27	0.11	1.26
5.25	0.74	0.00	0.05	7.85	1.28	0.11	1.29
5.30	0.75	0.00	0.06	7.90	1.30	0.12	1.33
5.35	0.76	0.01	0.07	7.95	1.31	0.12	1.37
5.40	0.77	0.01	0.08	8.00	1.32	0.12	1.41
5.45	0.78	0.01	0.10	8.05	1.34	0.13	1.44
5.50	0.79	0.01	0.11	8.10	1.35	0.13	1.48
5.55	0.80	0.01	0.13	8.15	1.36	0.14	1.52
5.60	0.80	0.01	0.15	8.20	1.38	0.14	1.56
5.65	0.81	0.01	0.16	8.25	1.39	0.15	1.60
5.70	0.82	0.01	0.18	8.30	1.40	0.15	1.64
5.75	0.83	0.01	0.20	8.35	1.42	0.16	1.68
5.80	0.84	0.01	0.22	8.40	1.43	0.16	1.73
5.85	0.85	0.01	0.23	8.45	1.45	0.17	1.77
5.90	0.86	0.02	0.25	8.50	1.46	0.17	1.81
5.95	0.87	0.02	0.27	8.55	1.48	0.18	1.85
6.00	0.87	0.02	0.29	8.60	1.49	0.18	1.90
6.05	0.88	0.02	0.31	8.65	1.51	0.19	1.94
6.10	0.89	0.02	0.33	8.70	1.52	0.20	1.98
6.15	0.90	0.02	0.35	8.75	1.54	0.20	2.03
6.20	0.91	0.02	0.36	8.80	1.55	0.21	2.07
6.25	0.92	0.02	0.38	8.85	1.57	0.21	2.12
6.30	0.93	0.03	0.40	8.90	1.58	0.22	2.16
6.35	0.94	0.03	0.42	8.95	1.60	0.23	2.21
6.40	0.95	0.03	0.44	9.00	1.61	0.23	2.25
6.45	0.96	0.03	0.47	9.05	1.63	0.24	2.30
6.50	0.97	0.03	0.49	9.10	1.64	0.25	2.35
6.55	0.98	0.03	0.51	9.15	1.66	0.25	2.39
6.60	0.99	0.04	0.53	9.20	1.68	0.26	2.45
6.65	1.00	0.04	0.56	9.25	1.70	0.27	2.49
6.70	1.01	0.04	0.58	9.30	1.72	0.28	2.55
6.75	1.02	0.04	0.61	9.35	1.73	0.29	2.61
6.80	1.03	0.05	0.63	9.40	1.75	0.29	2.67
6.85	1.04	0.05	0.66	9.45	1.77	0.30	2.73
6.90	1.05	0.05	0.68	9.50	1.79	0.31	2.81
6.95	1.07	0.05	0.71	9.55	1.81	0.32	2.88
7.00	1.08	0.06	0.74	9.60	1.83	0.33	2.97
7.05	1.09	0.06	0.77	9.65	1.85	0.34	3.05
7.10	1.10	0.06	0.80	9.70	1.88	0.35	3.15
7.15	1.11	0.06	0.83	9.75	1.90	0.36	3.24
7.20	1.12	0.07	0.86	9.80	1.92	0.37	3.34
7.25	1.13	0.07	0.89	9.85	1.94	0.38	3.45
7.30	1.15	0.07	0.92	9.90	1.97	0.40	3.56
7.35	1.16	0.08	0.95	9.95	1.99	0.41	3.67
7.40	1.17	0.08	0.98	10.00	2.01	0.42	3.79
7.45	1.18	0.08	1.01	10.05	2.04	0.43	3.91
7.50	1.19	0.09	1.05	10.10	2.06	0.45	4.03
7.55	1.21	0.09	1.08	10.15	2.09	0.46	4.15
7.60	1.22	0.09	1.11	10.20	2.11	0.47	4.28
7.65	1.23	0.10	1.15	10.25	2.14	0.49	4.41
7.70	1.24	0.10	1.18	10.30	2.17	0.50	4.54
7.75	1.26	0.10	1.22	10.35	2.19	0.52	4.68

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.53	4.81	13.00	8.39	5.51	60.84
10.45	2.25	0.55	4.95	13.05	8.43	5.55	56.01
10.50	2.28	0.56	5.09	13.10	8.48	5.59	51.70
10.55	2.31	0.58	5.24	13.15	8.52	5.63	47.72
10.60	2.34	0.60	5.38	13.20	8.56	5.67	44.12
10.65	2.37	0.62	5.54	13.25	8.60	5.70	40.83
10.70	2.41	0.64	5.69	13.30	8.63	5.74	37.89
10.75	2.44	0.66	5.86	13.35	8.67	5.77	35.21
10.80	2.48	0.68	6.04	13.40	8.70	5.80	32.82
10.85	2.52	0.71	6.24	13.45	8.73	5.83	30.63
10.90	2.56	0.73	6.46	13.50	8.76	5.86	28.66
10.95	2.61	0.76	6.71	13.55	8.79	5.88	26.84
11.00	2.65	0.79	6.98	13.60	8.82	5.91	25.21
11.05	2.70	0.82	7.29	13.65	8.85	5.93	23.71
11.10	2.75	0.85	7.62	13.70	8.87	5.96	22.34
11.15	2.80	0.89	7.99	13.75	8.90	5.98	21.09
11.20	2.86	0.92	8.37	13.80	8.93	6.01	19.93
11.25	2.92	0.96	8.81	13.85	8.95	6.03	18.87
11.30	2.98	1.00	9.27	13.90	8.98	6.06	17.88
11.35	3.05	1.05	9.79	13.95	9.00	6.08	17.00
11.40	3.12	1.10	10.34	14.00	9.03	6.10	16.17
11.45	3.19	1.15	10.95	14.05	9.05	6.12	15.44
11.50	3.26	1.20	11.60	14.10	9.07	6.14	14.76
11.55	3.37	1.27	12.30	14.15	9.10	6.17	14.17
11.60	3.49	1.35	13.06	14.20	9.12	6.19	13.62
11.65	3.60	1.44	13.92	14.25	9.14	6.21	13.13
11.70	3.72	1.53	14.88	14.30	9.16	6.23	12.67
11.75	3.88	1.65	15.98	14.35	9.19	6.25	12.27
11.80	4.04	1.77	17.26	14.40	9.21	6.27	11.87
11.85	4.27	1.94	18.78	14.45	9.23	6.29	11.54
11.90	4.49	2.12	20.60	14.50	9.25	6.31	11.20
11.95	4.88	2.43	22.77	14.55	9.27	6.32	10.93
12.00	5.26	2.75	25.44	14.60	9.29	6.34	10.65
12.05	5.91	3.30	28.77	14.65	9.31	6.36	10.42
12.10	6.55	3.86	33.13	14.70	9.32	6.38	10.18
12.15	6.77	4.06	38.83	14.75	9.34	6.39	9.97
12.20	7.00	4.26	45.84	14.80	9.36	6.41	9.75
12.25	7.16	4.40	54.11	14.85	9.38	6.43	9.56
12.30	7.32	4.54	63.33	14.90	9.40	6.44	9.35
12.35	7.44	4.65	72.89	14.95	9.41	6.46	9.17
12.40	7.55	4.75	81.85	15.00	9.43	6.47	8.97
12.45	7.67	4.85	89.19	15.05	9.44	6.49	8.79
12.50	7.78	4.96	94.55	15.10	9.46	6.50	8.61
12.55	7.85	5.02	97.33	15.15	9.47	6.52	8.43
12.60	7.92	5.09	**98.17**	15.20	9.49	6.53	8.25
12.65	7.99	5.15	96.65	15.25	9.50	6.54	8.08
12.70	8.06	5.21	93.73	15.30	9.52	6.56	7.90
12.75	8.12	5.27	89.29	15.35	9.53	6.57	7.73
12.80	8.18	5.32	84.00	15.40	9.55	6.59	7.57
12.85	8.24	5.37	77.92	15.45	9.56	6.60	7.42
12.90	8.29	5.42	71.91	15.50	9.58	6.61	7.27
12.95	8.34	5.47	66.13	15.55	9.59	6.63	7.13

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.64	7.01	18.20	10.20	7.19	4.20
15.65	9.62	6.65	6.89	18.25	10.21	7.20	4.16
15.70	9.64	6.67	6.79	18.30	10.22	7.21	4.11
15.75	9.65	6.68	6.69	18.35	10.23	7.22	4.07
15.80	9.66	6.69	6.60	18.40	10.24	7.23	4.02
15.85	9.68	6.70	6.51	18.45	10.24	7.24	3.99
15.90	9.69	6.72	6.44	18.50	10.25	7.24	3.95
15.95	9.70	6.73	6.37	18.55	10.26	7.25	3.91
16.00	9.72	6.74	6.30	18.60	10.27	7.26	3.88
16.05	9.73	6.75	6.23	18.65	10.28	7.27	3.85
16.10	9.74	6.77	6.18	18.70	10.29	7.28	3.82
16.15	9.76	6.78	6.11	18.75	10.30	7.28	3.79
16.20	9.77	6.79	6.06	18.80	10.30	7.29	3.77
16.25	9.78	6.80	6.00	18.85	10.31	7.30	3.75
16.30	9.80	6.82	5.96	18.90	10.32	7.31	3.73
16.35	9.81	6.83	5.90	18.95	10.33	7.32	3.71
16.40	9.82	6.84	5.85	19.00	10.34	7.32	3.69
16.45	9.83	6.85	5.80	19.05	10.35	7.33	3.68
16.50	9.85	6.86	5.76	19.10	10.35	7.34	3.66
16.55	9.86	6.87	5.70	19.15	10.36	7.35	3.65
16.60	9.87	6.89	5.66	19.20	10.37	7.35	3.63
16.65	9.88	6.90	5.61	19.25	10.38	7.36	3.62
16.70	9.89	6.91	5.57	19.30	10.39	7.37	3.60
16.75	9.91	6.92	5.52	19.35	10.40	7.38	3.59
16.80	9.92	6.93	5.47	19.40	10.40	7.39	3.58
16.85	9.93	6.94	5.42	19.45	10.41	7.39	3.56
16.90	9.94	6.95	5.38	19.50	10.42	7.40	3.55
16.95	9.95	6.96	5.33	19.55	10.43	7.41	3.54
17.00	9.96	6.97	5.29	19.60	10.44	7.42	3.53
17.05	9.97	6.98	5.24	19.65	10.44	7.42	3.51
17.10	9.99	6.99	5.20	19.70	10.45	7.43	3.51
17.15	10.00	7.00	5.15	19.75	10.46	7.44	3.49
17.20	10.01	7.01	5.11	19.80	10.47	7.45	3.48
17.25	10.02	7.02	5.06	19.85	10.48	7.45	3.47
17.30	10.03	7.03	5.02	19.90	10.48	7.46	3.46
17.35	10.04	7.04	4.97	19.95	10.49	7.47	3.45
17.40	10.05	7.05	4.93	20.00	10.50	7.48	3.44
17.45	10.06	7.06	4.88	20.05	10.51	7.48	3.42
17.50	10.07	7.07	4.84	20.10	10.52	7.49	3.42
17.55	10.08	7.08	4.79	20.15	10.52	7.50	3.40
17.60	10.09	7.09	4.74	20.20	10.53	7.50	3.39
17.65	10.10	7.10	4.70	20.25	10.54	7.51	3.38
17.70	10.11	7.11	4.65	20.30	10.55	7.52	3.37
17.75	10.12	7.12	4.61	20.35	10.55	7.53	3.36
17.80	10.13	7.13	4.56	20.40	10.56	7.53	3.35
17.85	10.14	7.14	4.52	20.45	10.57	7.54	3.33
17.90	10.15	7.14	4.47	20.50	10.58	7.55	3.32
17.95	10.16	7.15	4.43	20.55	10.58	7.56	3.31
18.00	10.17	7.16	4.38	20.60	10.59	7.56	3.30
18.05	10.17	7.17	4.34	20.65	10.60	7.57	3.29
18.10	10.18	7.18	4.29	20.70	10.61	7.58	3.28
18.15	10.19	7.19	4.25	20.75	10.61	7.58	3.27

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.59	3.26	23.40	10.97	7.92	2.67
20.85	10.63	7.60	3.24	23.45	10.97	7.92	2.65
20.90	10.64	7.60	3.23	23.50	10.98	7.93	2.64
20.95	10.64	7.61	3.22	23.55	10.99	7.93	2.63
21.00	10.65	7.62	3.21	23.60	10.99	7.94	2.62
21.05	10.66	7.62	3.20	23.65	11.00	7.95	2.61
21.10	10.66	7.63	3.19	23.70	11.00	7.95	2.60
21.15	10.67	7.64	3.18	23.75	11.01	7.96	2.58
21.20	10.68	7.65	3.17	23.80	11.01	7.96	2.57
21.25	10.69	7.65	3.15	23.85	11.02	7.97	2.56
21.30	10.69	7.66	3.14	23.90	11.03	7.97	2.55
21.35	10.70	7.67	3.13	23.95	11.03	7.98	2.54
21.40	10.71	7.67	3.12	24.00	**11.04**	**7.99**	2.53
21.45	10.71	7.68	3.11	24.05	11.04	7.99	2.52
21.50	10.72	7.69	3.10	24.10	11.04	7.99	2.51
21.55	10.73	7.69	3.09	24.15	11.04	7.99	2.49
21.60	10.74	7.70	3.07	24.20	11.04	7.99	2.46
21.65	10.74	7.70	3.06	24.25	11.04	7.99	2.41
21.70	10.75	7.71	3.05	24.30	11.04	7.99	2.34
21.75	10.76	7.72	3.04	24.35	11.04	7.99	2.24
21.80	10.76	7.72	3.03	24.40	11.04	7.99	2.10
21.85	10.77	7.73	3.02	24.45	11.04	7.99	1.93
21.90	10.78	7.74	3.01	24.50	11.04	7.99	1.75
21.95	10.78	7.74	3.00	24.55	11.04	7.99	1.56
22.00	10.79	7.75	2.98	24.60	11.04	7.99	1.37
22.05	10.80	7.76	2.97	24.65	11.04	7.99	1.19
22.10	10.80	7.76	2.96	24.70	11.04	7.99	1.02
22.15	10.81	7.77	2.95	24.75	11.04	7.99	0.86
22.20	10.82	7.77	2.94	24.80	11.04	7.99	0.73
22.25	10.82	7.78	2.93	24.85	11.04	7.99	0.61
22.30	10.83	7.79	2.92	24.90	11.04	7.99	0.51
22.35	10.84	7.79	2.91	24.95	11.04	7.99	0.43
22.40	10.84	7.80	2.89	25.00	11.04	7.99	0.37
22.45	10.85	7.81	2.88	25.05	11.04	7.99	0.31
22.50	10.86	7.81	2.87	25.10	11.04	7.99	0.26
22.55	10.86	7.82	2.86	25.15	11.04	7.99	0.22
22.60	10.87	7.82	2.85	25.20	11.04	7.99	0.19
22.65	10.88	7.83	2.84	25.25	11.04	7.99	0.16
22.70	10.88	7.84	2.82	25.30	11.04	7.99	0.13
22.75	10.89	7.84	2.81	25.35	11.04	7.99	0.11
22.80	10.89	7.85	2.80	25.40	11.04	7.99	0.09
22.85	10.90	7.85	2.79	25.45	11.04	7.99	0.08
22.90	10.91	7.86	2.78	25.50	11.04	7.99	0.07
22.95	10.91	7.87	2.77	25.55	11.04	7.99	0.06
23.00	10.92	7.87	2.76	25.60	11.04	7.99	0.05
23.05	10.93	7.88	2.74	25.65	11.04	7.99	0.04
23.10	10.93	7.88	2.73	25.70	11.04	7.99	0.03
23.15	10.94	7.89	2.72	25.75	11.04	7.99	0.03
23.20	10.94	7.89	2.71	25.80	11.04	7.99	0.02
23.25	10.95	7.90	2.70	25.85	11.04	7.99	0.02
23.30	10.96	7.91	2.69	25.90	11.04	7.99	0.02
23.35	10.96	7.91	2.68	25.95	11.04	7.99	0.01

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.99	0.01	28.60	11.04	7.99	0.00
26.05	11.04	7.99	0.01	28.65	11.04	7.99	0.00
26.10	11.04	7.99	0.01	28.70	11.04	7.99	0.00
26.15	11.04	7.99	0.00	28.75	11.04	7.99	0.00
26.20	11.04	7.99	0.00	28.80	11.04	7.99	0.00
26.25	11.04	7.99	0.00	28.85	11.04	7.99	0.00
26.30	11.04	7.99	0.00	28.90	11.04	7.99	0.00
26.35	11.04	7.99	0.00	28.95	11.04	7.99	0.00
26.40	11.04	7.99	0.00	29.00	11.04	7.99	0.00
26.45	11.04	7.99	0.00	29.05	11.04	7.99	0.00
26.50	11.04	7.99	0.00	29.10	11.04	7.99	0.00
26.55	11.04	7.99	0.00	29.15	11.04	7.99	0.00
26.60	11.04	7.99	0.00	29.20	11.04	7.99	0.00
26.65	11.04	7.99	0.00	29.25	11.04	7.99	0.00
26.70	11.04	7.99	0.00	29.30	11.04	7.99	0.00
26.75	11.04	7.99	0.00	29.35	11.04	7.99	0.00
26.80	11.04	7.99	0.00	29.40	11.04	7.99	0.00
26.85	11.04	7.99	0.00	29.45	11.04	7.99	0.00
26.90	11.04	7.99	0.00	29.50	11.04	7.99	0.00
26.95	11.04	7.99	0.00	29.55	11.04	7.99	0.00
27.00	11.04	7.99	0.00	29.60	11.04	7.99	0.00
27.05	11.04	7.99	0.00	29.65	11.04	7.99	0.00
27.10	11.04	7.99	0.00	29.70	11.04	7.99	0.00
27.15	11.04	7.99	0.00	29.75	11.04	7.99	0.00
27.20	11.04	7.99	0.00	29.80	11.04	7.99	0.00
27.25	11.04	7.99	0.00	29.85	11.04	7.99	0.00
27.30	11.04	7.99	0.00	29.90	11.04	7.99	0.00
27.35	11.04	7.99	0.00	29.95	11.04	7.99	0.00
27.40	11.04	7.99	0.00	30.00	11.04	7.99	0.00
27.45	11.04	7.99	0.00	30.05	11.04	7.99	0.00
27.50	11.04	7.99	0.00	30.10	11.04	7.99	0.00
27.55	11.04	7.99	0.00	30.15	11.04	7.99	0.00
27.60	11.04	7.99	0.00	30.20	11.04	7.99	0.00
27.65	11.04	7.99	0.00	30.25	11.04	7.99	0.00
27.70	11.04	7.99	0.00	30.30	11.04	7.99	0.00
27.75	11.04	7.99	0.00	30.35	11.04	7.99	0.00
27.80	11.04	7.99	0.00	30.40	11.04	7.99	0.00
27.85	11.04	7.99	0.00	30.45	11.04	7.99	0.00
27.90	11.04	7.99	0.00	30.50	11.04	7.99	0.00
27.95	11.04	7.99	0.00	30.55	11.04	7.99	0.00
28.00	11.04	7.99	0.00	30.60	11.04	7.99	0.00
28.05	11.04	7.99	0.00	30.65	11.04	7.99	0.00
28.10	11.04	7.99	0.00	30.70	11.04	7.99	0.00
28.15	11.04	7.99	0.00	30.75	11.04	7.99	0.00
28.20	11.04	7.99	0.00	30.80	11.04	7.99	0.00
28.25	11.04	7.99	0.00	30.85	11.04	7.99	0.00
28.30	11.04	7.99	0.00	30.90	11.04	7.99	0.00
28.35	11.04	7.99	0.00	30.95	11.04	7.99	0.00
28.40	11.04	7.99	0.00	31.00	11.04	7.99	0.00
28.45	11.04	7.99	0.00	31.05	11.04	7.99	0.00
28.50	11.04	7.99	0.00	31.10	11.04	7.99	0.00
28.55	11.04	7.99	0.00	31.15	11.04	7.99	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.99	0.00	33.80	11.04	7.99	0.00
31.25	11.04	7.99	0.00	33.85	11.04	7.99	0.00
31.30	11.04	7.99	0.00	33.90	11.04	7.99	0.00
31.35	11.04	7.99	0.00	33.95	11.04	7.99	0.00
31.40	11.04	7.99	0.00	34.00	11.04	7.99	0.00
31.45	11.04	7.99	0.00	34.05	11.04	7.99	0.00
31.50	11.04	7.99	0.00	34.10	11.04	7.99	0.00
31.55	11.04	7.99	0.00	34.15	11.04	7.99	0.00
31.60	11.04	7.99	0.00	34.20	11.04	7.99	0.00
31.65	11.04	7.99	0.00	34.25	11.04	7.99	0.00
31.70	11.04	7.99	0.00	34.30	11.04	7.99	0.00
31.75	11.04	7.99	0.00	34.35	11.04	7.99	0.00
31.80	11.04	7.99	0.00	34.40	11.04	7.99	0.00
31.85	11.04	7.99	0.00	34.45	11.04	7.99	0.00
31.90	11.04	7.99	0.00	34.50	11.04	7.99	0.00
31.95	11.04	7.99	0.00	34.55	11.04	7.99	0.00
32.00	11.04	7.99	0.00	34.60	11.04	7.99	0.00
32.05	11.04	7.99	0.00	34.65	11.04	7.99	0.00
32.10	11.04	7.99	0.00	34.70	11.04	7.99	0.00
32.15	11.04	7.99	0.00	34.75	11.04	7.99	0.00
32.20	11.04	7.99	0.00	34.80	11.04	7.99	0.00
32.25	11.04	7.99	0.00	34.85	11.04	7.99	0.00
32.30	11.04	7.99	0.00	34.90	11.04	7.99	0.00
32.35	11.04	7.99	0.00	34.95	11.04	7.99	0.00
32.40	11.04	7.99	0.00	35.00	11.04	7.99	0.00
32.45	11.04	7.99	0.00	35.05	11.04	7.99	0.00
32.50	11.04	7.99	0.00	35.10	11.04	7.99	0.00
32.55	11.04	7.99	0.00	35.15	11.04	7.99	0.00
32.60	11.04	7.99	0.00	35.20	11.04	7.99	0.00
32.65	11.04	7.99	0.00	35.25	11.04	7.99	0.00
32.70	11.04	7.99	0.00	35.30	11.04	7.99	0.00
32.75	11.04	7.99	0.00	35.35	11.04	7.99	0.00
32.80	11.04	7.99	0.00	35.40	11.04	7.99	0.00
32.85	11.04	7.99	0.00	35.45	11.04	7.99	0.00
32.90	11.04	7.99	0.00	35.50	11.04	7.99	0.00
32.95	11.04	7.99	0.00	35.55	11.04	7.99	0.00
33.00	11.04	7.99	0.00	35.60	11.04	7.99	0.00
33.05	11.04	7.99	0.00	35.65	11.04	7.99	0.00
33.10	11.04	7.99	0.00	35.70	11.04	7.99	0.00
33.15	11.04	7.99	0.00	35.75	11.04	7.99	0.00
33.20	11.04	7.99	0.00	35.80	11.04	7.99	0.00
33.25	11.04	7.99	0.00	35.85	11.04	7.99	0.00
33.30	11.04	7.99	0.00	35.90	11.04	7.99	0.00
33.35	11.04	7.99	0.00	35.95	11.04	7.99	0.00
33.40	11.04	7.99	0.00	36.00	11.04	7.99	0.00
33.45	11.04	7.99	0.00	36.05	11.04	7.99	0.00
33.50	11.04	7.99	0.00	36.10	11.04	7.99	0.00
33.55	11.04	7.99	0.00	36.15	11.04	7.99	0.00
33.60	11.04	7.99	0.00	36.20	11.04	7.99	0.00
33.65	11.04	7.99	0.00	36.25	11.04	7.99	0.00
33.70	11.04	7.99	0.00	36.30	11.04	7.99	0.00
33.75	11.04	7.99	0.00	36.35	11.04	7.99	0.00

Hydrograph for Subcatchment X-3P: XDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.99	0.00
36.45	11.04	7.99	0.00
36.50	11.04	7.99	0.00
36.55	11.04	7.99	0.00
36.60	11.04	7.99	0.00
36.65	11.04	7.99	0.00
36.70	11.04	7.99	0.00
36.75	11.04	7.99	0.00
36.80	11.04	7.99	0.00
36.85	11.04	7.99	0.00
36.90	11.04	7.99	0.00
36.95	11.04	7.99	0.00
37.00	11.04	7.99	0.00
37.05	11.04	7.99	0.00
37.10	11.04	7.99	0.00
37.15	11.04	7.99	0.00
37.20	11.04	7.99	0.00
37.25	11.04	7.99	0.00
37.30	11.04	7.99	0.00
37.35	11.04	7.99	0.00
37.40	11.04	7.99	0.00
37.45	11.04	7.99	0.00
37.50	11.04	7.99	0.00
37.55	11.04	7.99	0.00
37.60	11.04	7.99	0.00
37.65	11.04	7.99	0.00
37.70	11.04	7.99	0.00
37.75	11.04	7.99	0.00
37.80	11.04	7.99	0.00
37.85	11.04	7.99	0.00
37.90	11.04	7.99	0.00
37.95	11.04	7.99	0.00
38.00	11.04	7.99	0.00
38.05	11.04	7.99	0.00
38.10	11.04	7.99	0.00
38.15	11.04	7.99	0.00
38.20	11.04	7.99	0.00
38.25	11.04	7.99	0.00
38.30	11.04	7.99	0.00
38.35	11.04	7.99	0.00
38.40	11.04	7.99	0.00
38.45	11.04	7.99	0.00
38.50	11.04	7.99	0.00
38.55	11.04	7.99	0.00
38.60	11.04	7.99	0.00
38.65	11.04	7.99	0.00
38.70	11.04	7.99	0.00
38.75	11.04	7.99	0.00
38.80	11.04	7.99	0.00
38.85	11.04	7.99	0.00
38.90	11.04	7.99	0.00
38.95	11.04	7.99	0.00
39.00	11.04	7.99	0.00
39.05	11.04	7.99	0.00
39.10	11.04	7.99	0.00
39.15	11.04	7.99	0.00
39.20	11.04	7.99	0.00
39.25	11.04	7.99	0.00
39.30	11.04	7.99	0.00
39.35	11.04	7.99	0.00
39.40	11.04	7.99	0.00
39.45	11.04	7.99	0.00
39.50	11.04	7.99	0.00
39.55	11.04	7.99	0.00
39.60	11.04	7.99	0.00
39.65	11.04	7.99	0.00
39.70	11.04	7.99	0.00
39.75	11.04	7.99	0.00
39.80	11.04	7.99	0.00
39.85	11.04	7.99	0.00
39.90	11.04	7.99	0.00
39.95	11.04	7.99	0.00
40.00	11.04	7.99	0.00

Summary for Subcatchment X-4P: XDA-4 (pervious)

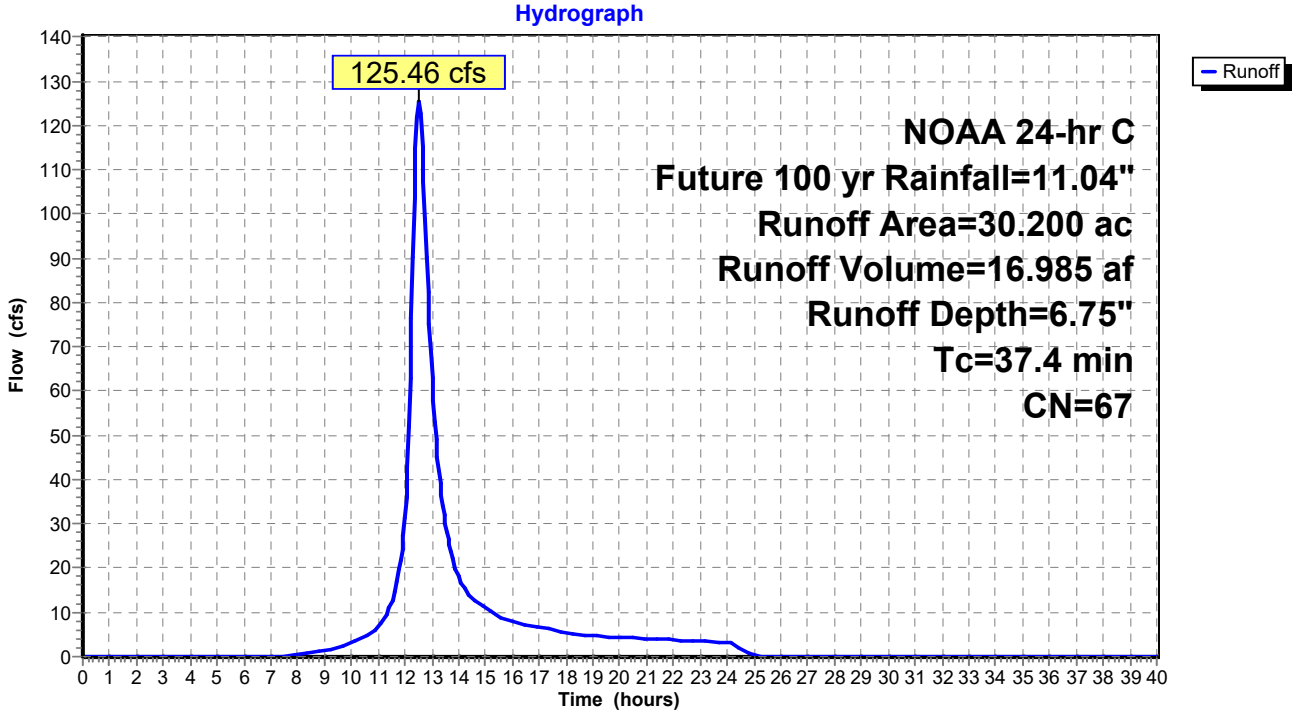
Runoff = 125.46 cfs @ 12.52 hrs, Volume= 16.985 af, Depth= 6.75"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
11.700	55	Woods, Good, HSG B
7.940	70	Woods, Good, HSG C
1.310	77	Woods, Good, HSG D
0.560	71	Row crops, C&T, Good, HSG B
8.690	78	Row crops, C&T, Good, HSG C
30.200	67	Weighted Average
30.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4P: XDA-4 (pervious)



Hydrograph for Subcatchment X-4P: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.02	0.41
5.25	0.74	0.00	0.00	7.85	1.28	0.02	0.44
5.30	0.75	0.00	0.00	7.90	1.30	0.02	0.48
5.35	0.76	0.00	0.00	7.95	1.31	0.02	0.51
5.40	0.77	0.00	0.00	8.00	1.32	0.02	0.55
5.45	0.78	0.00	0.00	8.05	1.34	0.02	0.59
5.50	0.79	0.00	0.00	8.10	1.35	0.03	0.63
5.55	0.80	0.00	0.00	8.15	1.36	0.03	0.66
5.60	0.80	0.00	0.00	8.20	1.38	0.03	0.70
5.65	0.81	0.00	0.00	8.25	1.39	0.03	0.74
5.70	0.82	0.00	0.00	8.30	1.40	0.03	0.78
5.75	0.83	0.00	0.00	8.35	1.42	0.04	0.83
5.80	0.84	0.00	0.00	8.40	1.43	0.04	0.87
5.85	0.85	0.00	0.00	8.45	1.45	0.04	0.91
5.90	0.86	0.00	0.00	8.50	1.46	0.04	0.95
5.95	0.87	0.00	0.00	8.55	1.48	0.04	1.00
6.00	0.87	0.00	0.00	8.60	1.49	0.05	1.04
6.05	0.88	0.00	0.00	8.65	1.51	0.05	1.09
6.10	0.89	0.00	0.00	8.70	1.52	0.05	1.13
6.15	0.90	0.00	0.00	8.75	1.54	0.06	1.18
6.20	0.91	0.00	0.00	8.80	1.55	0.06	1.23
6.25	0.92	0.00	0.00	8.85	1.57	0.06	1.27
6.30	0.93	0.00	0.00	8.90	1.58	0.06	1.32
6.35	0.94	0.00	0.00	8.95	1.60	0.07	1.37
6.40	0.95	0.00	0.00	9.00	1.61	0.07	1.42
6.45	0.96	0.00	0.00	9.05	1.63	0.07	1.47
6.50	0.97	0.00	0.00	9.10	1.64	0.08	1.52
6.55	0.98	0.00	0.00	9.15	1.66	0.08	1.57
6.60	0.99	0.00	0.00	9.20	1.68	0.09	1.63
6.65	1.00	0.00	0.00	9.25	1.70	0.09	1.68
6.70	1.01	0.00	0.00	9.30	1.72	0.09	1.74
6.75	1.02	0.00	0.00	9.35	1.73	0.10	1.81
6.80	1.03	0.00	0.00	9.40	1.75	0.10	1.87
6.85	1.04	0.00	0.00	9.45	1.77	0.11	1.95
6.90	1.05	0.00	0.01	9.50	1.79	0.11	2.02
6.95	1.07	0.00	0.01	9.55	1.81	0.12	2.11
7.00	1.08	0.00	0.02	9.60	1.83	0.12	2.20
7.05	1.09	0.00	0.03	9.65	1.85	0.13	2.29
7.10	1.10	0.00	0.04	9.70	1.88	0.14	2.38
7.15	1.11	0.00	0.06	9.75	1.90	0.14	2.49
7.20	1.12	0.00	0.08	9.80	1.92	0.15	2.59
7.25	1.13	0.00	0.10	9.85	1.94	0.16	2.70
7.30	1.15	0.01	0.12	9.90	1.97	0.16	2.82
7.35	1.16	0.01	0.14	9.95	1.99	0.17	2.93
7.40	1.17	0.01	0.17	10.00	2.01	0.18	3.05
7.45	1.18	0.01	0.19	10.05	2.04	0.19	3.18
7.50	1.19	0.01	0.22	10.10	2.06	0.19	3.30
7.55	1.21	0.01	0.25	10.15	2.09	0.20	3.43
7.60	1.22	0.01	0.28	10.20	2.11	0.21	3.57
7.65	1.23	0.01	0.31	10.25	2.14	0.22	3.71
7.70	1.24	0.01	0.34	10.30	2.17	0.23	3.85
7.75	1.26	0.01	0.37	10.35	2.19	0.24	4.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.25	4.14	13.00	8.39	4.45	63.02
10.45	2.25	0.26	4.29	13.05	8.43	4.48	57.80
10.50	2.28	0.27	4.45	13.10	8.48	4.52	53.16
10.55	2.31	0.28	4.60	13.15	8.52	4.56	48.97
10.60	2.34	0.29	4.77	13.20	8.56	4.59	45.27
10.65	2.37	0.30	4.94	13.25	8.60	4.62	42.00
10.70	2.41	0.32	5.12	13.30	8.63	4.65	39.03
10.75	2.44	0.33	5.32	13.35	8.67	4.68	36.44
10.80	2.48	0.35	5.53	13.40	8.70	4.71	34.05
10.85	2.52	0.37	5.78	13.45	8.73	4.74	31.91
10.90	2.56	0.38	6.05	13.50	8.76	4.76	30.01
10.95	2.61	0.40	6.35	13.55	8.79	4.79	28.23
11.00	2.65	0.42	6.68	13.60	8.82	4.81	26.66
11.05	2.70	0.44	7.05	13.65	8.85	4.83	25.18
11.10	2.75	0.47	7.45	13.70	8.87	4.86	23.84
11.15	2.80	0.49	7.88	13.75	8.90	4.88	22.61
11.20	2.86	0.52	8.36	13.80	8.93	4.90	21.45
11.25	2.92	0.55	8.88	13.85	8.95	4.92	20.41
11.30	2.98	0.58	9.44	13.90	8.98	4.95	19.44
11.35	3.05	0.61	10.07	13.95	9.00	4.97	18.55
11.40	3.12	0.64	10.74	14.00	9.03	4.99	17.76
11.45	3.19	0.68	11.47	14.05	9.05	5.01	17.02
11.50	3.26	0.72	12.27	14.10	9.07	5.03	16.38
11.55	3.37	0.78	13.13	14.15	9.10	5.05	15.80
11.60	3.49	0.84	14.09	14.20	9.12	5.07	15.30
11.65	3.60	0.91	15.17	14.25	9.14	5.09	14.88
11.70	3.72	0.98	16.42	14.30	9.16	5.11	14.48
11.75	3.88	1.07	17.90	14.35	9.19	5.12	14.14
11.80	4.04	1.17	19.66	14.40	9.21	5.14	13.81
11.85	4.27	1.31	21.78	14.45	9.23	5.16	13.51
11.90	4.49	1.46	24.29	14.50	9.25	5.18	13.23
11.95	4.88	1.72	27.33	14.55	9.27	5.19	12.95
12.00	5.26	1.99	31.17	14.60	9.29	5.21	12.70
12.05	5.91	2.46	36.14	14.65	9.31	5.23	12.45
12.10	6.55	2.95	42.89	14.70	9.32	5.24	12.21
12.15	6.77	3.13	51.80	14.75	9.34	5.26	11.98
12.20	7.00	3.30	63.06	14.80	9.36	5.27	11.74
12.25	7.16	3.43	76.24	14.85	9.38	5.29	11.52
12.30	7.32	3.56	90.28	14.90	9.40	5.30	11.29
12.35	7.44	3.66	103.64	14.95	9.41	5.32	11.07
12.40	7.55	3.75	114.68	15.00	9.43	5.33	10.86
12.45	7.67	3.85	121.89	15.05	9.44	5.35	10.63
12.50	7.78	3.94	**125.23**	15.10	9.46	5.36	10.42
12.55	7.85	4.00	124.60	15.15	9.47	5.37	10.20
12.60	7.92	4.06	121.19	15.20	9.49	5.39	9.98
12.65	7.99	4.11	115.10	15.25	9.50	5.40	9.77
12.70	8.06	4.17	107.43	15.30	9.52	5.41	9.56
12.75	8.12	4.22	98.97	15.35	9.53	5.42	9.36
12.80	8.18	4.27	90.38	15.40	9.55	5.44	9.17
12.85	8.24	4.32	82.43	15.45	9.56	5.45	8.99
12.90	8.29	4.36	75.27	15.50	9.58	5.46	8.84
12.95	8.34	4.41	68.81	15.55	9.59	5.47	8.68

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.49	8.55	18.20	10.20	6.01	5.25
15.65	9.62	5.50	8.43	18.25	10.21	6.01	5.19
15.70	9.64	5.51	8.31	18.30	10.22	6.02	5.14
15.75	9.65	5.52	8.22	18.35	10.23	6.03	5.08
15.80	9.66	5.54	8.12	18.40	10.24	6.04	5.03
15.85	9.68	5.55	8.04	18.45	10.24	6.04	4.98
15.90	9.69	5.56	7.96	18.50	10.25	6.05	4.94
15.95	9.70	5.57	7.88	18.55	10.26	6.06	4.90
16.00	9.72	5.58	7.81	18.60	10.27	6.07	4.86
16.05	9.73	5.59	7.74	18.65	10.28	6.07	4.83
16.10	9.74	5.61	7.67	18.70	10.29	6.08	4.80
16.15	9.76	5.62	7.61	18.75	10.30	6.09	4.78
16.20	9.77	5.63	7.54	18.80	10.30	6.10	4.75
16.25	9.78	5.64	7.48	18.85	10.31	6.10	4.73
16.30	9.80	5.65	7.42	18.90	10.32	6.11	4.71
16.35	9.81	5.66	7.36	18.95	10.33	6.12	4.69
16.40	9.82	5.67	7.31	19.00	10.34	6.13	4.67
16.45	9.83	5.68	7.24	19.05	10.35	6.13	4.65
16.50	9.85	5.69	7.19	19.10	10.35	6.14	4.63
16.55	9.86	5.71	7.13	19.15	10.36	6.15	4.62
16.60	9.87	5.72	7.07	19.20	10.37	6.16	4.60
16.65	9.88	5.73	7.02	19.25	10.38	6.16	4.59
16.70	9.89	5.74	6.96	19.30	10.39	6.17	4.57
16.75	9.91	5.75	6.90	19.35	10.40	6.18	4.55
16.80	9.92	5.76	6.84	19.40	10.40	6.18	4.54
16.85	9.93	5.77	6.79	19.45	10.41	6.19	4.52
16.90	9.94	5.78	6.73	19.50	10.42	6.20	4.51
16.95	9.95	5.79	6.67	19.55	10.43	6.21	4.50
17.00	9.96	5.80	6.62	19.60	10.44	6.21	4.48
17.05	9.97	5.81	6.56	19.65	10.44	6.22	4.47
17.10	9.99	5.82	6.50	19.70	10.45	6.23	4.45
17.15	10.00	5.83	6.45	19.75	10.46	6.23	4.44
17.20	10.01	5.84	6.39	19.80	10.47	6.24	4.42
17.25	10.02	5.85	6.34	19.85	10.48	6.25	4.41
17.30	10.03	5.85	6.28	19.90	10.48	6.26	4.40
17.35	10.04	5.86	6.22	19.95	10.49	6.26	4.38
17.40	10.05	5.87	6.17	20.00	10.50	6.27	4.37
17.45	10.06	5.88	6.11	20.05	10.51	6.28	4.36
17.50	10.07	5.89	6.05	20.10	10.52	6.28	4.34
17.55	10.08	5.90	5.99	20.15	10.52	6.29	4.33
17.60	10.09	5.91	5.94	20.20	10.53	6.30	4.31
17.65	10.10	5.92	5.88	20.25	10.54	6.30	4.30
17.70	10.11	5.93	5.82	20.30	10.55	6.31	4.29
17.75	10.12	5.93	5.76	20.35	10.55	6.32	4.27
17.80	10.13	5.94	5.70	20.40	10.56	6.32	4.26
17.85	10.14	5.95	5.65	20.45	10.57	6.33	4.24
17.90	10.15	5.96	5.59	20.50	10.58	6.34	4.23
17.95	10.16	5.97	5.53	20.55	10.58	6.34	4.21
18.00	10.17	5.97	5.48	20.60	10.59	6.35	4.20
18.05	10.17	5.98	5.42	20.65	10.60	6.36	4.19
18.10	10.18	5.99	5.36	20.70	10.61	6.36	4.17
18.15	10.19	6.00	5.31	20.75	10.61	6.37	4.16

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.38	4.14	23.40	10.97	6.68	3.40
20.85	10.63	6.38	4.13	23.45	10.97	6.69	3.38
20.90	10.64	6.39	4.12	23.50	10.98	6.70	3.37
20.95	10.64	6.40	4.10	23.55	10.99	6.70	3.35
21.00	10.65	6.40	4.09	23.60	10.99	6.71	3.34
21.05	10.66	6.41	4.07	23.65	11.00	6.71	3.32
21.10	10.66	6.42	4.06	23.70	11.00	6.72	3.31
21.15	10.67	6.42	4.05	23.75	11.01	6.72	3.29
21.20	10.68	6.43	4.03	23.80	11.01	6.73	3.28
21.25	10.69	6.43	4.02	23.85	11.02	6.73	3.26
21.30	10.69	6.44	4.00	23.90	11.03	6.74	3.25
21.35	10.70	6.45	3.98	23.95	11.03	6.74	3.24
21.40	10.71	6.45	3.97	24.00	**11.04**	**6.75**	3.23
21.45	10.71	6.46	3.96	24.05	11.04	6.75	3.22
21.50	10.72	6.47	3.94	24.10	11.04	6.75	3.20
21.55	10.73	6.47	3.93	24.15	11.04	6.75	3.18
21.60	10.74	6.48	3.91	24.20	11.04	6.75	3.13
21.65	10.74	6.48	3.90	24.25	11.04	6.75	3.03
21.70	10.75	6.49	3.89	24.30	11.04	6.75	2.89
21.75	10.76	6.50	3.87	24.35	11.04	6.75	2.67
21.80	10.76	6.50	3.86	24.40	11.04	6.75	2.42
21.85	10.77	6.51	3.84	24.45	11.04	6.75	2.13
21.90	10.78	6.51	3.83	24.50	11.04	6.75	1.84
21.95	10.78	6.52	3.81	24.55	11.04	6.75	1.56
22.00	10.79	6.53	3.80	24.60	11.04	6.75	1.30
22.05	10.80	6.53	3.79	24.65	11.04	6.75	1.07
22.10	10.80	6.54	3.77	24.70	11.04	6.75	0.87
22.15	10.81	6.54	3.76	24.75	11.04	6.75	0.71
22.20	10.82	6.55	3.74	24.80	11.04	6.75	0.58
22.25	10.82	6.56	3.73	24.85	11.04	6.75	0.48
22.30	10.83	6.56	3.72	24.90	11.04	6.75	0.39
22.35	10.84	6.57	3.70	24.95	11.04	6.75	0.32
22.40	10.84	6.57	3.69	25.00	11.04	6.75	0.27
22.45	10.85	6.58	3.67	25.05	11.04	6.75	0.22
22.50	10.86	6.59	3.66	25.10	11.04	6.75	0.18
22.55	10.86	6.59	3.64	25.15	11.04	6.75	0.15
22.60	10.87	6.60	3.63	25.20	11.04	6.75	0.12
22.65	10.88	6.60	3.62	25.25	11.04	6.75	0.10
22.70	10.88	6.61	3.60	25.30	11.04	6.75	0.08
22.75	10.89	6.61	3.59	25.35	11.04	6.75	0.06
22.80	10.89	6.62	3.57	25.40	11.04	6.75	0.05
22.85	10.90	6.62	3.56	25.45	11.04	6.75	0.04
22.90	10.91	6.63	3.54	25.50	11.04	6.75	0.03
22.95	10.91	6.64	3.53	25.55	11.04	6.75	0.03
23.00	10.92	6.64	3.51	25.60	11.04	6.75	0.02
23.05	10.93	6.65	3.50	25.65	11.04	6.75	0.02
23.10	10.93	6.65	3.48	25.70	11.04	6.75	0.01
23.15	10.94	6.66	3.47	25.75	11.04	6.75	0.01
23.20	10.94	6.66	3.45	25.80	11.04	6.75	0.01
23.25	10.95	6.67	3.44	25.85	11.04	6.75	0.01
23.30	10.96	6.67	3.43	25.90	11.04	6.75	0.00
23.35	10.96	6.68	3.41	25.95	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.75	0.00	28.60	11.04	6.75	0.00
26.05	11.04	6.75	0.00	28.65	11.04	6.75	0.00
26.10	11.04	6.75	0.00	28.70	11.04	6.75	0.00
26.15	11.04	6.75	0.00	28.75	11.04	6.75	0.00
26.20	11.04	6.75	0.00	28.80	11.04	6.75	0.00
26.25	11.04	6.75	0.00	28.85	11.04	6.75	0.00
26.30	11.04	6.75	0.00	28.90	11.04	6.75	0.00
26.35	11.04	6.75	0.00	28.95	11.04	6.75	0.00
26.40	11.04	6.75	0.00	29.00	11.04	6.75	0.00
26.45	11.04	6.75	0.00	29.05	11.04	6.75	0.00
26.50	11.04	6.75	0.00	29.10	11.04	6.75	0.00
26.55	11.04	6.75	0.00	29.15	11.04	6.75	0.00
26.60	11.04	6.75	0.00	29.20	11.04	6.75	0.00
26.65	11.04	6.75	0.00	29.25	11.04	6.75	0.00
26.70	11.04	6.75	0.00	29.30	11.04	6.75	0.00
26.75	11.04	6.75	0.00	29.35	11.04	6.75	0.00
26.80	11.04	6.75	0.00	29.40	11.04	6.75	0.00
26.85	11.04	6.75	0.00	29.45	11.04	6.75	0.00
26.90	11.04	6.75	0.00	29.50	11.04	6.75	0.00
26.95	11.04	6.75	0.00	29.55	11.04	6.75	0.00
27.00	11.04	6.75	0.00	29.60	11.04	6.75	0.00
27.05	11.04	6.75	0.00	29.65	11.04	6.75	0.00
27.10	11.04	6.75	0.00	29.70	11.04	6.75	0.00
27.15	11.04	6.75	0.00	29.75	11.04	6.75	0.00
27.20	11.04	6.75	0.00	29.80	11.04	6.75	0.00
27.25	11.04	6.75	0.00	29.85	11.04	6.75	0.00
27.30	11.04	6.75	0.00	29.90	11.04	6.75	0.00
27.35	11.04	6.75	0.00	29.95	11.04	6.75	0.00
27.40	11.04	6.75	0.00	30.00	11.04	6.75	0.00
27.45	11.04	6.75	0.00	30.05	11.04	6.75	0.00
27.50	11.04	6.75	0.00	30.10	11.04	6.75	0.00
27.55	11.04	6.75	0.00	30.15	11.04	6.75	0.00
27.60	11.04	6.75	0.00	30.20	11.04	6.75	0.00
27.65	11.04	6.75	0.00	30.25	11.04	6.75	0.00
27.70	11.04	6.75	0.00	30.30	11.04	6.75	0.00
27.75	11.04	6.75	0.00	30.35	11.04	6.75	0.00
27.80	11.04	6.75	0.00	30.40	11.04	6.75	0.00
27.85	11.04	6.75	0.00	30.45	11.04	6.75	0.00
27.90	11.04	6.75	0.00	30.50	11.04	6.75	0.00
27.95	11.04	6.75	0.00	30.55	11.04	6.75	0.00
28.00	11.04	6.75	0.00	30.60	11.04	6.75	0.00
28.05	11.04	6.75	0.00	30.65	11.04	6.75	0.00
28.10	11.04	6.75	0.00	30.70	11.04	6.75	0.00
28.15	11.04	6.75	0.00	30.75	11.04	6.75	0.00
28.20	11.04	6.75	0.00	30.80	11.04	6.75	0.00
28.25	11.04	6.75	0.00	30.85	11.04	6.75	0.00
28.30	11.04	6.75	0.00	30.90	11.04	6.75	0.00
28.35	11.04	6.75	0.00	30.95	11.04	6.75	0.00
28.40	11.04	6.75	0.00	31.00	11.04	6.75	0.00
28.45	11.04	6.75	0.00	31.05	11.04	6.75	0.00
28.50	11.04	6.75	0.00	31.10	11.04	6.75	0.00
28.55	11.04	6.75	0.00	31.15	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.75	0.00	33.80	11.04	6.75	0.00
31.25	11.04	6.75	0.00	33.85	11.04	6.75	0.00
31.30	11.04	6.75	0.00	33.90	11.04	6.75	0.00
31.35	11.04	6.75	0.00	33.95	11.04	6.75	0.00
31.40	11.04	6.75	0.00	34.00	11.04	6.75	0.00
31.45	11.04	6.75	0.00	34.05	11.04	6.75	0.00
31.50	11.04	6.75	0.00	34.10	11.04	6.75	0.00
31.55	11.04	6.75	0.00	34.15	11.04	6.75	0.00
31.60	11.04	6.75	0.00	34.20	11.04	6.75	0.00
31.65	11.04	6.75	0.00	34.25	11.04	6.75	0.00
31.70	11.04	6.75	0.00	34.30	11.04	6.75	0.00
31.75	11.04	6.75	0.00	34.35	11.04	6.75	0.00
31.80	11.04	6.75	0.00	34.40	11.04	6.75	0.00
31.85	11.04	6.75	0.00	34.45	11.04	6.75	0.00
31.90	11.04	6.75	0.00	34.50	11.04	6.75	0.00
31.95	11.04	6.75	0.00	34.55	11.04	6.75	0.00
32.00	11.04	6.75	0.00	34.60	11.04	6.75	0.00
32.05	11.04	6.75	0.00	34.65	11.04	6.75	0.00
32.10	11.04	6.75	0.00	34.70	11.04	6.75	0.00
32.15	11.04	6.75	0.00	34.75	11.04	6.75	0.00
32.20	11.04	6.75	0.00	34.80	11.04	6.75	0.00
32.25	11.04	6.75	0.00	34.85	11.04	6.75	0.00
32.30	11.04	6.75	0.00	34.90	11.04	6.75	0.00
32.35	11.04	6.75	0.00	34.95	11.04	6.75	0.00
32.40	11.04	6.75	0.00	35.00	11.04	6.75	0.00
32.45	11.04	6.75	0.00	35.05	11.04	6.75	0.00
32.50	11.04	6.75	0.00	35.10	11.04	6.75	0.00
32.55	11.04	6.75	0.00	35.15	11.04	6.75	0.00
32.60	11.04	6.75	0.00	35.20	11.04	6.75	0.00
32.65	11.04	6.75	0.00	35.25	11.04	6.75	0.00
32.70	11.04	6.75	0.00	35.30	11.04	6.75	0.00
32.75	11.04	6.75	0.00	35.35	11.04	6.75	0.00
32.80	11.04	6.75	0.00	35.40	11.04	6.75	0.00
32.85	11.04	6.75	0.00	35.45	11.04	6.75	0.00
32.90	11.04	6.75	0.00	35.50	11.04	6.75	0.00
32.95	11.04	6.75	0.00	35.55	11.04	6.75	0.00
33.00	11.04	6.75	0.00	35.60	11.04	6.75	0.00
33.05	11.04	6.75	0.00	35.65	11.04	6.75	0.00
33.10	11.04	6.75	0.00	35.70	11.04	6.75	0.00
33.15	11.04	6.75	0.00	35.75	11.04	6.75	0.00
33.20	11.04	6.75	0.00	35.80	11.04	6.75	0.00
33.25	11.04	6.75	0.00	35.85	11.04	6.75	0.00
33.30	11.04	6.75	0.00	35.90	11.04	6.75	0.00
33.35	11.04	6.75	0.00	35.95	11.04	6.75	0.00
33.40	11.04	6.75	0.00	36.00	11.04	6.75	0.00
33.45	11.04	6.75	0.00	36.05	11.04	6.75	0.00
33.50	11.04	6.75	0.00	36.10	11.04	6.75	0.00
33.55	11.04	6.75	0.00	36.15	11.04	6.75	0.00
33.60	11.04	6.75	0.00	36.20	11.04	6.75	0.00
33.65	11.04	6.75	0.00	36.25	11.04	6.75	0.00
33.70	11.04	6.75	0.00	36.30	11.04	6.75	0.00
33.75	11.04	6.75	0.00	36.35	11.04	6.75	0.00

Hydrograph for Subcatchment X-4P: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.75	0.00
36.45	11.04	6.75	0.00
36.50	11.04	6.75	0.00
36.55	11.04	6.75	0.00
36.60	11.04	6.75	0.00
36.65	11.04	6.75	0.00
36.70	11.04	6.75	0.00
36.75	11.04	6.75	0.00
36.80	11.04	6.75	0.00
36.85	11.04	6.75	0.00
36.90	11.04	6.75	0.00
36.95	11.04	6.75	0.00
37.00	11.04	6.75	0.00
37.05	11.04	6.75	0.00
37.10	11.04	6.75	0.00
37.15	11.04	6.75	0.00
37.20	11.04	6.75	0.00
37.25	11.04	6.75	0.00
37.30	11.04	6.75	0.00
37.35	11.04	6.75	0.00
37.40	11.04	6.75	0.00
37.45	11.04	6.75	0.00
37.50	11.04	6.75	0.00
37.55	11.04	6.75	0.00
37.60	11.04	6.75	0.00
37.65	11.04	6.75	0.00
37.70	11.04	6.75	0.00
37.75	11.04	6.75	0.00
37.80	11.04	6.75	0.00
37.85	11.04	6.75	0.00
37.90	11.04	6.75	0.00
37.95	11.04	6.75	0.00
38.00	11.04	6.75	0.00
38.05	11.04	6.75	0.00
38.10	11.04	6.75	0.00
38.15	11.04	6.75	0.00
38.20	11.04	6.75	0.00
38.25	11.04	6.75	0.00
38.30	11.04	6.75	0.00
38.35	11.04	6.75	0.00
38.40	11.04	6.75	0.00
38.45	11.04	6.75	0.00
38.50	11.04	6.75	0.00
38.55	11.04	6.75	0.00
38.60	11.04	6.75	0.00
38.65	11.04	6.75	0.00
38.70	11.04	6.75	0.00
38.75	11.04	6.75	0.00
38.80	11.04	6.75	0.00
38.85	11.04	6.75	0.00
38.90	11.04	6.75	0.00
38.95	11.04	6.75	0.00
39.00	11.04	6.75	0.00
39.05	11.04	6.75	0.00
39.10	11.04	6.75	0.00
39.15	11.04	6.75	0.00
39.20	11.04	6.75	0.00
39.25	11.04	6.75	0.00
39.30	11.04	6.75	0.00
39.35	11.04	6.75	0.00
39.40	11.04	6.75	0.00
39.45	11.04	6.75	0.00
39.50	11.04	6.75	0.00
39.55	11.04	6.75	0.00
39.60	11.04	6.75	0.00
39.65	11.04	6.75	0.00
39.70	11.04	6.75	0.00
39.75	11.04	6.75	0.00
39.80	11.04	6.75	0.00
39.85	11.04	6.75	0.00
39.90	11.04	6.75	0.00
39.95	11.04	6.75	0.00
40.00	11.04	6.75	0.00

Summary for Subcatchment X-4S: XDA-4 (pervious)

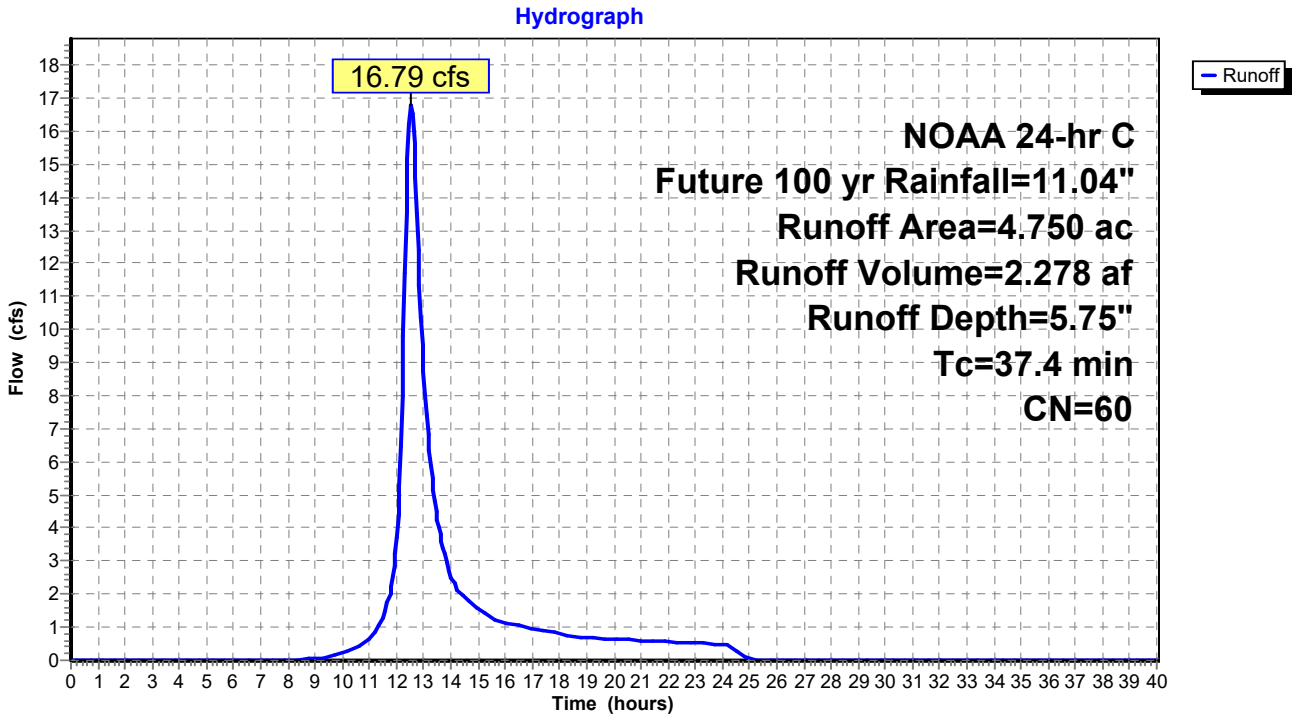
Runoff = 16.79 cfs @ 12.53 hrs, Volume= 2.278 af, Depth= 5.75"
Routed to Link XDA-4 : Existing Drainage Area #4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.240	55	Woods, Good, HSG B
1.510	70	Woods, Good, HSG C
4.750	60	Weighted Average
4.750		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
37.4					**Direct Entry,**

Subcatchment X-4S: XDA-4 (pervious)



Hydrograph for Subcatchment X-4S: XDA-4 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.00	0.00
5.25	0.74	0.00	0.00	7.85	1.28	0.00	0.00
5.30	0.75	0.00	0.00	7.90	1.30	0.00	0.00
5.35	0.76	0.00	0.00	7.95	1.31	0.00	0.00
5.40	0.77	0.00	0.00	8.00	1.32	0.00	0.00
5.45	0.78	0.00	0.00	8.05	1.34	0.00	0.00
5.50	0.79	0.00	0.00	8.10	1.35	0.00	0.00
5.55	0.80	0.00	0.00	8.15	1.36	0.00	0.00
5.60	0.80	0.00	0.00	8.20	1.38	0.00	0.00
5.65	0.81	0.00	0.00	8.25	1.39	0.00	0.00
5.70	0.82	0.00	0.00	8.30	1.40	0.00	0.00
5.75	0.83	0.00	0.00	8.35	1.42	0.00	0.00
5.80	0.84	0.00	0.00	8.40	1.43	0.00	0.00
5.85	0.85	0.00	0.00	8.45	1.45	0.00	0.00
5.90	0.86	0.00	0.00	8.50	1.46	0.00	0.01
5.95	0.87	0.00	0.00	8.55	1.48	0.00	0.01
6.00	0.87	0.00	0.00	8.60	1.49	0.00	0.01
6.05	0.88	0.00	0.00	8.65	1.51	0.00	0.01
6.10	0.89	0.00	0.00	8.70	1.52	0.01	0.02
6.15	0.90	0.00	0.00	8.75	1.54	0.01	0.02
6.20	0.91	0.00	0.00	8.80	1.55	0.01	0.03
6.25	0.92	0.00	0.00	8.85	1.57	0.01	0.03
6.30	0.93	0.00	0.00	8.90	1.58	0.01	0.04
6.35	0.94	0.00	0.00	8.95	1.60	0.01	0.04
6.40	0.95	0.00	0.00	9.00	1.61	0.01	0.05
6.45	0.96	0.00	0.00	9.05	1.63	0.01	0.05
6.50	0.97	0.00	0.00	9.10	1.64	0.01	0.06
6.55	0.98	0.00	0.00	9.15	1.66	0.02	0.06
6.60	0.99	0.00	0.00	9.20	1.68	0.02	0.07
6.65	1.00	0.00	0.00	9.25	1.70	0.02	0.08
6.70	1.01	0.00	0.00	9.30	1.72	0.02	0.08
6.75	1.02	0.00	0.00	9.35	1.73	0.02	0.09
6.80	1.03	0.00	0.00	9.40	1.75	0.02	0.10
6.85	1.04	0.00	0.00	9.45	1.77	0.03	0.11
6.90	1.05	0.00	0.00	9.50	1.79	0.03	0.11
6.95	1.07	0.00	0.00	9.55	1.81	0.03	0.12
7.00	1.08	0.00	0.00	9.60	1.83	0.03	0.13
7.05	1.09	0.00	0.00	9.65	1.85	0.04	0.14
7.10	1.10	0.00	0.00	9.70	1.88	0.04	0.15
7.15	1.11	0.00	0.00	9.75	1.90	0.04	0.16
7.20	1.12	0.00	0.00	9.80	1.92	0.05	0.17
7.25	1.13	0.00	0.00	9.85	1.94	0.05	0.19
7.30	1.15	0.00	0.00	9.90	1.97	0.05	0.20
7.35	1.16	0.00	0.00	9.95	1.99	0.06	0.21
7.40	1.17	0.00	0.00	10.00	2.01	0.06	0.23
7.45	1.18	0.00	0.00	10.05	2.04	0.07	0.24
7.50	1.19	0.00	0.00	10.10	2.06	0.07	0.25
7.55	1.21	0.00	0.00	10.15	2.09	0.08	0.27
7.60	1.22	0.00	0.00	10.20	2.11	0.08	0.28
7.65	1.23	0.00	0.00	10.25	2.14	0.09	0.30
7.70	1.24	0.00	0.00	10.30	2.17	0.09	0.32
7.75	1.26	0.00	0.00	10.35	2.19	0.10	0.33

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.10	0.35	13.00	8.39	3.63	8.74
10.45	2.25	0.11	0.37	13.05	8.43	3.66	8.04
10.50	2.28	0.12	0.39	13.10	8.48	3.70	7.41
10.55	2.31	0.12	0.41	13.15	8.52	3.73	6.84
10.60	2.34	0.13	0.43	13.20	8.56	3.76	6.34
10.65	2.37	0.14	0.45	13.25	8.60	3.79	5.90
10.70	2.41	0.15	0.47	13.30	8.63	3.82	5.49
10.75	2.44	0.16	0.49	13.35	8.67	3.84	5.13
10.80	2.48	0.17	0.52	13.40	8.70	3.87	4.81
10.85	2.52	0.18	0.55	13.45	8.73	3.89	4.51
10.90	2.56	0.19	0.58	13.50	8.76	3.92	4.25
10.95	2.61	0.20	0.61	13.55	8.79	3.94	4.01
11.00	2.65	0.22	0.65	13.60	8.82	3.96	3.79
11.05	2.70	0.23	0.70	13.65	8.85	3.98	3.58
11.10	2.75	0.25	0.74	13.70	8.87	4.00	3.39
11.15	2.80	0.27	0.80	13.75	8.90	4.02	3.22
11.20	2.86	0.28	0.85	13.80	8.93	4.04	3.06
11.25	2.92	0.31	0.91	13.85	8.95	4.06	2.92
11.30	2.98	0.33	0.98	13.90	8.98	4.08	2.78
11.35	3.05	0.35	1.06	13.95	9.00	4.10	2.66
11.40	3.12	0.38	1.14	14.00	9.03	4.12	2.54
11.45	3.19	0.40	1.23	14.05	9.05	4.14	2.44
11.50	3.26	0.43	1.33	14.10	9.07	4.16	2.35
11.55	3.37	0.48	1.43	14.15	9.10	4.18	2.27
11.60	3.49	0.53	1.55	14.20	9.12	4.20	2.20
11.65	3.60	0.58	1.68	14.25	9.14	4.21	2.14
11.70	3.72	0.63	1.84	14.30	9.16	4.23	2.08
11.75	3.88	0.70	2.03	14.35	9.19	4.25	2.03
11.80	4.04	0.78	2.25	14.40	9.21	4.26	1.99
11.85	4.27	0.90	2.52	14.45	9.23	4.28	1.94
11.90	4.49	1.01	2.84	14.50	9.25	4.30	1.91
11.95	4.88	1.23	3.23	14.55	9.27	4.31	1.87
12.00	5.26	1.46	3.73	14.60	9.29	4.33	1.83
12.05	5.91	1.86	4.37	14.65	9.31	4.34	1.80
12.10	6.55	2.29	5.27	14.70	9.32	4.36	1.76
12.15	6.77	2.44	6.46	14.75	9.34	4.37	1.73
12.20	7.00	2.60	7.98	14.80	9.36	4.39	1.69
12.25	7.16	2.72	9.77	14.85	9.38	4.40	1.66
12.30	7.32	2.83	11.71	14.90	9.40	4.41	1.63
12.35	7.44	2.92	13.57	14.95	9.41	4.43	1.60
12.40	7.55	3.00	15.14	15.00	9.43	4.44	1.57
12.45	7.67	3.09	16.20	15.05	9.44	4.45	1.54
12.50	7.78	3.17	16.74	15.10	9.46	4.46	1.51
12.55	7.85	3.22	**16.74**	15.15	9.47	4.48	1.47
12.60	7.92	3.27	16.36	15.20	9.49	4.49	1.44
12.65	7.99	3.33	15.60	15.25	9.50	4.50	1.41
12.70	8.06	3.38	14.62	15.30	9.52	4.51	1.38
12.75	8.12	3.42	13.52	15.35	9.53	4.52	1.36
12.80	8.18	3.47	12.39	15.40	9.55	4.54	1.33
12.85	8.24	3.51	11.34	15.45	9.56	4.55	1.30
12.90	8.29	3.55	10.38	15.50	9.58	4.56	1.28
12.95	8.34	3.59	9.52	15.55	9.59	4.57	1.26

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	4.58	1.24	18.20	10.20	5.06	0.77
15.65	9.62	4.59	1.22	18.25	10.21	5.07	0.76
15.70	9.64	4.60	1.20	18.30	10.22	5.08	0.75
15.75	9.65	4.62	1.19	18.35	10.23	5.08	0.74
15.80	9.66	4.63	1.18	18.40	10.24	5.09	0.73
15.85	9.68	4.64	1.17	18.45	10.24	5.10	0.73
15.90	9.69	4.65	1.15	18.50	10.25	5.10	0.72
15.95	9.70	4.66	1.14	18.55	10.26	5.11	0.72
16.00	9.72	4.67	1.13	18.60	10.27	5.12	0.71
16.05	9.73	4.68	1.12	18.65	10.28	5.13	0.71
16.10	9.74	4.69	1.11	18.70	10.29	5.13	0.70
16.15	9.76	4.70	1.10	18.75	10.30	5.14	0.70
16.20	9.77	4.71	1.09	18.80	10.30	5.15	0.69
16.25	9.78	4.72	1.09	18.85	10.31	5.15	0.69
16.30	9.80	4.73	1.08	18.90	10.32	5.16	0.69
16.35	9.81	4.74	1.07	18.95	10.33	5.17	0.68
16.40	9.82	4.75	1.06	19.00	10.34	5.17	0.68
16.45	9.83	4.76	1.05	19.05	10.35	5.18	0.68
16.50	9.85	4.77	1.04	19.10	10.35	5.19	0.68
16.55	9.86	4.78	1.04	19.15	10.36	5.19	0.67
16.60	9.87	4.79	1.03	19.20	10.37	5.20	0.67
16.65	9.88	4.80	1.02	19.25	10.38	5.21	0.67
16.70	9.89	4.81	1.01	19.30	10.39	5.21	0.67
16.75	9.91	4.82	1.00	19.35	10.40	5.22	0.67
16.80	9.92	4.83	0.99	19.40	10.40	5.23	0.66
16.85	9.93	4.84	0.99	19.45	10.41	5.23	0.66
16.90	9.94	4.85	0.98	19.50	10.42	5.24	0.66
16.95	9.95	4.86	0.97	19.55	10.43	5.25	0.66
17.00	9.96	4.87	0.96	19.60	10.44	5.25	0.66
17.05	9.97	4.88	0.95	19.65	10.44	5.26	0.65
17.10	9.99	4.89	0.95	19.70	10.45	5.27	0.65
17.15	10.00	4.90	0.94	19.75	10.46	5.27	0.65
17.20	10.01	4.90	0.93	19.80	10.47	5.28	0.65
17.25	10.02	4.91	0.92	19.85	10.48	5.29	0.65
17.30	10.03	4.92	0.91	19.90	10.48	5.29	0.64
17.35	10.04	4.93	0.91	19.95	10.49	5.30	0.64
17.40	10.05	4.94	0.90	20.00	10.50	5.31	0.64
17.45	10.06	4.95	0.89	20.05	10.51	5.31	0.64
17.50	10.07	4.96	0.88	20.10	10.52	5.32	0.64
17.55	10.08	4.96	0.87	20.15	10.52	5.33	0.63
17.60	10.09	4.97	0.86	20.20	10.53	5.33	0.63
17.65	10.10	4.98	0.86	20.25	10.54	5.34	0.63
17.70	10.11	4.99	0.85	20.30	10.55	5.34	0.63
17.75	10.12	4.99	0.84	20.35	10.55	5.35	0.63
17.80	10.13	5.00	0.83	20.40	10.56	5.36	0.62
17.85	10.14	5.01	0.82	20.45	10.57	5.36	0.62
17.90	10.15	5.02	0.82	20.50	10.58	5.37	0.62
17.95	10.16	5.03	0.81	20.55	10.58	5.38	0.62
18.00	10.17	5.03	0.80	20.60	10.59	5.38	0.61
18.05	10.17	5.04	0.79	20.65	10.60	5.39	0.61
18.10	10.18	5.05	0.78	20.70	10.61	5.39	0.61
18.15	10.19	5.05	0.77	20.75	10.61	5.40	0.61

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	5.41	0.61	23.40	10.97	5.69	0.50
20.85	10.63	5.41	0.60	23.45	10.97	5.70	0.50
20.90	10.64	5.42	0.60	23.50	10.98	5.70	0.49
20.95	10.64	5.43	0.60	23.55	10.99	5.71	0.49
21.00	10.65	5.43	0.60	23.60	10.99	5.71	0.49
21.05	10.66	5.44	0.60	23.65	11.00	5.72	0.49
21.10	10.66	5.44	0.59	23.70	11.00	5.72	0.49
21.15	10.67	5.45	0.59	23.75	11.01	5.73	0.48
21.20	10.68	5.45	0.59	23.80	11.01	5.73	0.48
21.25	10.69	5.46	0.59	23.85	11.02	5.74	0.48
21.30	10.69	5.47	0.59	23.90	11.03	5.74	0.48
21.35	10.70	5.47	0.58	23.95	11.03	5.75	0.48
21.40	10.71	5.48	0.58	24.00	**11.04**	**5.75**	0.47
21.45	10.71	5.48	0.58	24.05	11.04	5.75	0.47
21.50	10.72	5.49	0.58	24.10	11.04	5.75	0.47
21.55	10.73	5.50	0.58	24.15	11.04	5.75	0.47
21.60	10.74	5.50	0.57	24.20	11.04	5.75	0.46
21.65	10.74	5.51	0.57	24.25	11.04	5.75	0.45
21.70	10.75	5.51	0.57	24.30	11.04	5.75	0.42
21.75	10.76	5.52	0.57	24.35	11.04	5.75	0.39
21.80	10.76	5.52	0.57	24.40	11.04	5.75	0.36
21.85	10.77	5.53	0.56	24.45	11.04	5.75	0.31
21.90	10.78	5.54	0.56	24.50	11.04	5.75	0.27
21.95	10.78	5.54	0.56	24.55	11.04	5.75	0.23
22.00	10.79	5.55	0.56	24.60	11.04	5.75	0.19
22.05	10.80	5.55	0.56	24.65	11.04	5.75	0.16
22.10	10.80	5.56	0.55	24.70	11.04	5.75	0.13
22.15	10.81	5.56	0.55	24.75	11.04	5.75	0.10
22.20	10.82	5.57	0.55	24.80	11.04	5.75	0.09
22.25	10.82	5.57	0.55	24.85	11.04	5.75	0.07
22.30	10.83	5.58	0.55	24.90	11.04	5.75	0.06
22.35	10.84	5.59	0.54	24.95	11.04	5.75	0.05
22.40	10.84	5.59	0.54	25.00	11.04	5.75	0.04
22.45	10.85	5.60	0.54	25.05	11.04	5.75	0.03
22.50	10.86	5.60	0.54	25.10	11.04	5.75	0.03
22.55	10.86	5.61	0.53	25.15	11.04	5.75	0.02
22.60	10.87	5.61	0.53	25.20	11.04	5.75	0.02
22.65	10.88	5.62	0.53	25.25	11.04	5.75	0.01
22.70	10.88	5.62	0.53	25.30	11.04	5.75	0.01
22.75	10.89	5.63	0.53	25.35	11.04	5.75	0.01
22.80	10.89	5.63	0.52	25.40	11.04	5.75	0.01
22.85	10.90	5.64	0.52	25.45	11.04	5.75	0.01
22.90	10.91	5.64	0.52	25.50	11.04	5.75	0.00
22.95	10.91	5.65	0.52	25.55	11.04	5.75	0.00
23.00	10.92	5.65	0.52	25.60	11.04	5.75	0.00
23.05	10.93	5.66	0.51	25.65	11.04	5.75	0.00
23.10	10.93	5.66	0.51	25.70	11.04	5.75	0.00
23.15	10.94	5.67	0.51	25.75	11.04	5.75	0.00
23.20	10.94	5.67	0.51	25.80	11.04	5.75	0.00
23.25	10.95	5.68	0.51	25.85	11.04	5.75	0.00
23.30	10.96	5.68	0.50	25.90	11.04	5.75	0.00
23.35	10.96	5.69	0.50	25.95	11.04	5.75	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	5.75	0.00	28.60	11.04	5.75	0.00
26.05	11.04	5.75	0.00	28.65	11.04	5.75	0.00
26.10	11.04	5.75	0.00	28.70	11.04	5.75	0.00
26.15	11.04	5.75	0.00	28.75	11.04	5.75	0.00
26.20	11.04	5.75	0.00	28.80	11.04	5.75	0.00
26.25	11.04	5.75	0.00	28.85	11.04	5.75	0.00
26.30	11.04	5.75	0.00	28.90	11.04	5.75	0.00
26.35	11.04	5.75	0.00	28.95	11.04	5.75	0.00
26.40	11.04	5.75	0.00	29.00	11.04	5.75	0.00
26.45	11.04	5.75	0.00	29.05	11.04	5.75	0.00
26.50	11.04	5.75	0.00	29.10	11.04	5.75	0.00
26.55	11.04	5.75	0.00	29.15	11.04	5.75	0.00
26.60	11.04	5.75	0.00	29.20	11.04	5.75	0.00
26.65	11.04	5.75	0.00	29.25	11.04	5.75	0.00
26.70	11.04	5.75	0.00	29.30	11.04	5.75	0.00
26.75	11.04	5.75	0.00	29.35	11.04	5.75	0.00
26.80	11.04	5.75	0.00	29.40	11.04	5.75	0.00
26.85	11.04	5.75	0.00	29.45	11.04	5.75	0.00
26.90	11.04	5.75	0.00	29.50	11.04	5.75	0.00
26.95	11.04	5.75	0.00	29.55	11.04	5.75	0.00
27.00	11.04	5.75	0.00	29.60	11.04	5.75	0.00
27.05	11.04	5.75	0.00	29.65	11.04	5.75	0.00
27.10	11.04	5.75	0.00	29.70	11.04	5.75	0.00
27.15	11.04	5.75	0.00	29.75	11.04	5.75	0.00
27.20	11.04	5.75	0.00	29.80	11.04	5.75	0.00
27.25	11.04	5.75	0.00	29.85	11.04	5.75	0.00
27.30	11.04	5.75	0.00	29.90	11.04	5.75	0.00
27.35	11.04	5.75	0.00	29.95	11.04	5.75	0.00
27.40	11.04	5.75	0.00	30.00	11.04	5.75	0.00
27.45	11.04	5.75	0.00	30.05	11.04	5.75	0.00
27.50	11.04	5.75	0.00	30.10	11.04	5.75	0.00
27.55	11.04	5.75	0.00	30.15	11.04	5.75	0.00
27.60	11.04	5.75	0.00	30.20	11.04	5.75	0.00
27.65	11.04	5.75	0.00	30.25	11.04	5.75	0.00
27.70	11.04	5.75	0.00	30.30	11.04	5.75	0.00
27.75	11.04	5.75	0.00	30.35	11.04	5.75	0.00
27.80	11.04	5.75	0.00	30.40	11.04	5.75	0.00
27.85	11.04	5.75	0.00	30.45	11.04	5.75	0.00
27.90	11.04	5.75	0.00	30.50	11.04	5.75	0.00
27.95	11.04	5.75	0.00	30.55	11.04	5.75	0.00
28.00	11.04	5.75	0.00	30.60	11.04	5.75	0.00
28.05	11.04	5.75	0.00	30.65	11.04	5.75	0.00
28.10	11.04	5.75	0.00	30.70	11.04	5.75	0.00
28.15	11.04	5.75	0.00	30.75	11.04	5.75	0.00
28.20	11.04	5.75	0.00	30.80	11.04	5.75	0.00
28.25	11.04	5.75	0.00	30.85	11.04	5.75	0.00
28.30	11.04	5.75	0.00	30.90	11.04	5.75	0.00
28.35	11.04	5.75	0.00	30.95	11.04	5.75	0.00
28.40	11.04	5.75	0.00	31.00	11.04	5.75	0.00
28.45	11.04	5.75	0.00	31.05	11.04	5.75	0.00
28.50	11.04	5.75	0.00	31.10	11.04	5.75	0.00
28.55	11.04	5.75	0.00	31.15	11.04	5.75	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	5.75	0.00	33.80	11.04	5.75	0.00
31.25	11.04	5.75	0.00	33.85	11.04	5.75	0.00
31.30	11.04	5.75	0.00	33.90	11.04	5.75	0.00
31.35	11.04	5.75	0.00	33.95	11.04	5.75	0.00
31.40	11.04	5.75	0.00	34.00	11.04	5.75	0.00
31.45	11.04	5.75	0.00	34.05	11.04	5.75	0.00
31.50	11.04	5.75	0.00	34.10	11.04	5.75	0.00
31.55	11.04	5.75	0.00	34.15	11.04	5.75	0.00
31.60	11.04	5.75	0.00	34.20	11.04	5.75	0.00
31.65	11.04	5.75	0.00	34.25	11.04	5.75	0.00
31.70	11.04	5.75	0.00	34.30	11.04	5.75	0.00
31.75	11.04	5.75	0.00	34.35	11.04	5.75	0.00
31.80	11.04	5.75	0.00	34.40	11.04	5.75	0.00
31.85	11.04	5.75	0.00	34.45	11.04	5.75	0.00
31.90	11.04	5.75	0.00	34.50	11.04	5.75	0.00
31.95	11.04	5.75	0.00	34.55	11.04	5.75	0.00
32.00	11.04	5.75	0.00	34.60	11.04	5.75	0.00
32.05	11.04	5.75	0.00	34.65	11.04	5.75	0.00
32.10	11.04	5.75	0.00	34.70	11.04	5.75	0.00
32.15	11.04	5.75	0.00	34.75	11.04	5.75	0.00
32.20	11.04	5.75	0.00	34.80	11.04	5.75	0.00
32.25	11.04	5.75	0.00	34.85	11.04	5.75	0.00
32.30	11.04	5.75	0.00	34.90	11.04	5.75	0.00
32.35	11.04	5.75	0.00	34.95	11.04	5.75	0.00
32.40	11.04	5.75	0.00	35.00	11.04	5.75	0.00
32.45	11.04	5.75	0.00	35.05	11.04	5.75	0.00
32.50	11.04	5.75	0.00	35.10	11.04	5.75	0.00
32.55	11.04	5.75	0.00	35.15	11.04	5.75	0.00
32.60	11.04	5.75	0.00	35.20	11.04	5.75	0.00
32.65	11.04	5.75	0.00	35.25	11.04	5.75	0.00
32.70	11.04	5.75	0.00	35.30	11.04	5.75	0.00
32.75	11.04	5.75	0.00	35.35	11.04	5.75	0.00
32.80	11.04	5.75	0.00	35.40	11.04	5.75	0.00
32.85	11.04	5.75	0.00	35.45	11.04	5.75	0.00
32.90	11.04	5.75	0.00	35.50	11.04	5.75	0.00
32.95	11.04	5.75	0.00	35.55	11.04	5.75	0.00
33.00	11.04	5.75	0.00	35.60	11.04	5.75	0.00
33.05	11.04	5.75	0.00	35.65	11.04	5.75	0.00
33.10	11.04	5.75	0.00	35.70	11.04	5.75	0.00
33.15	11.04	5.75	0.00	35.75	11.04	5.75	0.00
33.20	11.04	5.75	0.00	35.80	11.04	5.75	0.00
33.25	11.04	5.75	0.00	35.85	11.04	5.75	0.00
33.30	11.04	5.75	0.00	35.90	11.04	5.75	0.00
33.35	11.04	5.75	0.00	35.95	11.04	5.75	0.00
33.40	11.04	5.75	0.00	36.00	11.04	5.75	0.00
33.45	11.04	5.75	0.00	36.05	11.04	5.75	0.00
33.50	11.04	5.75	0.00	36.10	11.04	5.75	0.00
33.55	11.04	5.75	0.00	36.15	11.04	5.75	0.00
33.60	11.04	5.75	0.00	36.20	11.04	5.75	0.00
33.65	11.04	5.75	0.00	36.25	11.04	5.75	0.00
33.70	11.04	5.75	0.00	36.30	11.04	5.75	0.00
33.75	11.04	5.75	0.00	36.35	11.04	5.75	0.00

Hydrograph for Subcatchment X-4S: XDA-4 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	5.75	0.00
36.45	11.04	5.75	0.00
36.50	11.04	5.75	0.00
36.55	11.04	5.75	0.00
36.60	11.04	5.75	0.00
36.65	11.04	5.75	0.00
36.70	11.04	5.75	0.00
36.75	11.04	5.75	0.00
36.80	11.04	5.75	0.00
36.85	11.04	5.75	0.00
36.90	11.04	5.75	0.00
36.95	11.04	5.75	0.00
37.00	11.04	5.75	0.00
37.05	11.04	5.75	0.00
37.10	11.04	5.75	0.00
37.15	11.04	5.75	0.00
37.20	11.04	5.75	0.00
37.25	11.04	5.75	0.00
37.30	11.04	5.75	0.00
37.35	11.04	5.75	0.00
37.40	11.04	5.75	0.00
37.45	11.04	5.75	0.00
37.50	11.04	5.75	0.00
37.55	11.04	5.75	0.00
37.60	11.04	5.75	0.00
37.65	11.04	5.75	0.00
37.70	11.04	5.75	0.00
37.75	11.04	5.75	0.00
37.80	11.04	5.75	0.00
37.85	11.04	5.75	0.00
37.90	11.04	5.75	0.00
37.95	11.04	5.75	0.00
38.00	11.04	5.75	0.00
38.05	11.04	5.75	0.00
38.10	11.04	5.75	0.00
38.15	11.04	5.75	0.00
38.20	11.04	5.75	0.00
38.25	11.04	5.75	0.00
38.30	11.04	5.75	0.00
38.35	11.04	5.75	0.00
38.40	11.04	5.75	0.00
38.45	11.04	5.75	0.00
38.50	11.04	5.75	0.00
38.55	11.04	5.75	0.00
38.60	11.04	5.75	0.00
38.65	11.04	5.75	0.00
38.70	11.04	5.75	0.00
38.75	11.04	5.75	0.00
38.80	11.04	5.75	0.00
38.85	11.04	5.75	0.00
38.90	11.04	5.75	0.00
38.95	11.04	5.75	0.00
39.00	11.04	5.75	0.00
39.05	11.04	5.75	0.00
39.10	11.04	5.75	0.00
39.15	11.04	5.75	0.00
39.20	11.04	5.75	0.00
39.25	11.04	5.75	0.00
39.30	11.04	5.75	0.00
39.35	11.04	5.75	0.00
39.40	11.04	5.75	0.00
39.45	11.04	5.75	0.00
39.50	11.04	5.75	0.00
39.55	11.04	5.75	0.00
39.60	11.04	5.75	0.00
39.65	11.04	5.75	0.00
39.70	11.04	5.75	0.00
39.75	11.04	5.75	0.00
39.80	11.04	5.75	0.00
39.85	11.04	5.75	0.00
39.90	11.04	5.75	0.00
39.95	11.04	5.75	0.00
40.00	11.04	5.75	0.00

Summary for Subcatchment X-5P: XDA-5 (pervious)

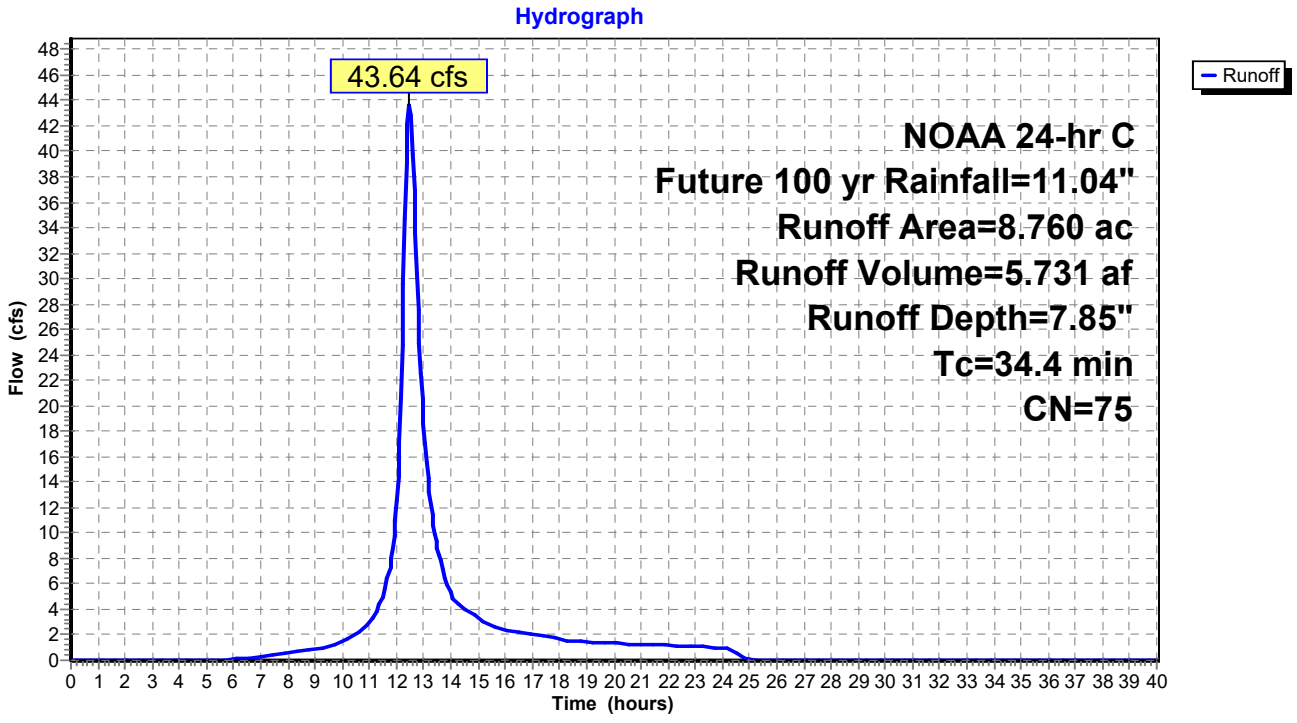
Runoff = 43.64 cfs @ 12.47 hrs, Volume= 5.731 af, Depth= 7.85"
Routed to Link XDA-5 : Existing Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
3.790	71	Row crops, C&T, Good, HSG B
4.970	78	Row crops, C&T, Good, HSG C
8.760	75	Weighted Average
8.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.4					**Direct Entry,**

Subcatchment X-5P: XDA-5 (pervious)



Hydrograph for Subcatchment X-5P: XDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.01	7.80	1.27	0.09	0.49
5.25	0.74	0.00	0.01	7.85	1.28	0.10	0.50
5.30	0.75	0.00	0.01	7.90	1.30	0.10	0.52
5.35	0.76	0.00	0.02	7.95	1.31	0.10	0.53
5.40	0.77	0.00	0.02	8.00	1.32	0.11	0.55
5.45	0.78	0.00	0.03	8.05	1.34	0.11	0.56
5.50	0.79	0.00	0.03	8.10	1.35	0.12	0.58
5.55	0.80	0.00	0.04	8.15	1.36	0.12	0.59
5.60	0.80	0.01	0.05	8.20	1.38	0.12	0.61
5.65	0.81	0.01	0.05	8.25	1.39	0.13	0.62
5.70	0.82	0.01	0.06	8.30	1.40	0.13	0.64
5.75	0.83	0.01	0.07	8.35	1.42	0.14	0.66
5.80	0.84	0.01	0.07	8.40	1.43	0.14	0.67
5.85	0.85	0.01	0.08	8.45	1.45	0.15	0.69
5.90	0.86	0.01	0.09	8.50	1.46	0.15	0.71
5.95	0.87	0.01	0.09	8.55	1.48	0.16	0.72
6.00	0.87	0.01	0.10	8.60	1.49	0.16	0.74
6.05	0.88	0.01	0.11	8.65	1.51	0.17	0.76
6.10	0.89	0.01	0.12	8.70	1.52	0.17	0.77
6.15	0.90	0.02	0.12	8.75	1.54	0.18	0.79
6.20	0.91	0.02	0.13	8.80	1.55	0.19	0.81
6.25	0.92	0.02	0.14	8.85	1.57	0.19	0.83
6.30	0.93	0.02	0.15	8.90	1.58	0.20	0.85
6.35	0.94	0.02	0.15	8.95	1.60	0.20	0.86
6.40	0.95	0.02	0.16	9.00	1.61	0.21	0.88
6.45	0.96	0.02	0.17	9.05	1.63	0.22	0.90
6.50	0.97	0.03	0.18	9.10	1.64	0.22	0.92
6.55	0.98	0.03	0.19	9.15	1.66	0.23	0.94
6.60	0.99	0.03	0.20	9.20	1.68	0.24	0.96
6.65	1.00	0.03	0.21	9.25	1.70	0.24	0.98
6.70	1.01	0.03	0.22	9.30	1.72	0.25	1.00
6.75	1.02	0.03	0.23	9.35	1.73	0.26	1.03
6.80	1.03	0.04	0.24	9.40	1.75	0.27	1.06
6.85	1.04	0.04	0.25	9.45	1.77	0.28	1.09
6.90	1.05	0.04	0.26	9.50	1.79	0.28	1.12
6.95	1.07	0.04	0.27	9.55	1.81	0.29	1.15
7.00	1.08	0.04	0.28	9.60	1.83	0.30	1.19
7.05	1.09	0.05	0.29	9.65	1.85	0.31	1.23
7.10	1.10	0.05	0.30	9.70	1.88	0.32	1.27
7.15	1.11	0.05	0.32	9.75	1.90	0.33	1.31
7.20	1.12	0.05	0.33	9.80	1.92	0.34	1.36
7.25	1.13	0.06	0.34	9.85	1.94	0.35	1.40
7.30	1.15	0.06	0.35	9.90	1.97	0.36	1.45
7.35	1.16	0.06	0.36	9.95	1.99	0.38	1.50
7.40	1.17	0.07	0.38	10.00	2.01	0.39	1.54
7.45	1.18	0.07	0.39	10.05	2.04	0.40	1.59
7.50	1.19	0.07	0.40	10.10	2.06	0.41	1.64
7.55	1.21	0.08	0.42	10.15	2.09	0.42	1.69
7.60	1.22	0.08	0.43	10.20	2.11	0.44	1.75
7.65	1.23	0.08	0.44	10.25	2.14	0.45	1.80
7.70	1.24	0.09	0.46	10.30	2.17	0.46	1.85
7.75	1.26	0.09	0.47	10.35	2.19	0.48	1.91

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.49	1.96	13.00	8.39	5.40	18.63
10.45	2.25	0.51	2.02	13.05	8.43	5.44	17.02
10.50	2.28	0.52	2.08	13.10	8.48	5.48	15.59
10.55	2.31	0.54	2.14	13.15	8.52	5.51	14.34
10.60	2.34	0.56	2.20	13.20	8.56	5.55	13.25
10.65	2.37	0.58	2.26	13.25	8.60	5.58	12.28
10.70	2.41	0.60	2.33	13.30	8.63	5.62	11.42
10.75	2.44	0.62	2.40	13.35	8.67	5.65	10.65
10.80	2.48	0.64	2.49	13.40	8.70	5.68	9.96
10.85	2.52	0.66	2.58	13.45	8.73	5.71	9.34
10.90	2.56	0.69	2.69	13.50	8.76	5.74	8.78
10.95	2.61	0.71	2.81	13.55	8.79	5.76	8.27
11.00	2.65	0.74	2.95	13.60	8.82	5.79	7.81
11.05	2.70	0.77	3.10	13.65	8.85	5.81	7.39
11.10	2.75	0.80	3.26	13.70	8.87	5.84	7.00
11.15	2.80	0.84	3.43	13.75	8.90	5.86	6.65
11.20	2.86	0.87	3.61	13.80	8.93	5.89	6.31
11.25	2.92	0.91	3.81	13.85	8.95	5.91	6.00
11.30	2.98	0.95	4.03	13.90	8.98	5.93	5.72
11.35	3.05	0.99	4.28	13.95	9.00	5.95	5.46
11.40	3.12	1.04	4.54	14.00	9.03	5.98	5.24
11.45	3.19	1.09	4.83	14.05	9.05	6.00	5.04
11.50	3.26	1.14	5.14	14.10	9.07	6.02	4.88
11.55	3.37	1.21	5.46	14.15	9.10	6.04	4.73
11.60	3.49	1.29	5.82	14.20	9.12	6.06	4.60
11.65	3.60	1.38	6.24	14.25	9.14	6.08	4.49
11.70	3.72	1.46	6.71	14.30	9.16	6.10	4.38
11.75	3.88	1.58	7.28	14.35	9.19	6.12	4.28
11.80	4.04	1.70	7.97	14.40	9.21	6.14	4.19
11.85	4.27	1.87	8.80	14.45	9.23	6.16	4.10
11.90	4.49	2.04	9.79	14.50	9.25	6.18	4.02
11.95	4.88	2.35	10.99	14.55	9.27	6.20	3.95
12.00	5.26	2.66	12.51	14.60	9.29	6.22	3.87
12.05	5.91	3.20	14.47	14.65	9.31	6.23	3.80
12.10	6.55	3.76	17.05	14.70	9.32	6.25	3.72
12.15	6.77	3.95	20.53	14.75	9.34	6.27	3.65
12.20	7.00	4.15	24.78	14.80	9.36	6.28	3.58
12.25	7.16	4.29	29.62	14.85	9.38	6.30	3.51
12.30	7.32	4.43	34.65	14.90	9.40	6.32	3.44
12.35	7.44	4.54	39.03	14.95	9.41	6.33	3.38
12.40	7.55	4.64	42.08	15.00	9.43	6.35	3.31
12.45	7.67	4.74	**43.47**	15.05	9.44	6.36	3.24
12.50	7.78	4.84	43.45	15.10	9.46	6.37	3.17
12.55	7.85	4.91	42.06	15.15	9.47	6.39	3.10
12.60	7.92	4.97	39.79	15.20	9.49	6.40	3.04
12.65	7.99	5.03	36.85	15.25	9.50	6.42	2.97
12.70	8.06	5.09	33.54	15.30	9.52	6.43	2.91
12.75	8.12	5.15	30.38	15.35	9.53	6.44	2.85
12.80	8.18	5.20	27.49	15.40	9.55	6.46	2.79
12.85	8.24	5.25	24.88	15.45	9.56	6.47	2.74
12.90	8.29	5.31	22.56	15.50	9.58	6.49	2.69
12.95	8.34	5.35	20.48	15.55	9.59	6.50	2.65

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.51	2.61	18.20	10.20	7.06	1.60
15.65	9.62	6.53	2.57	18.25	10.21	7.07	1.58
15.70	9.64	6.54	2.54	18.30	10.22	7.08	1.57
15.75	9.65	6.55	2.51	18.35	10.23	7.09	1.55
15.80	9.66	6.56	2.49	18.40	10.24	7.10	1.54
15.85	9.68	6.58	2.46	18.45	10.24	7.10	1.52
15.90	9.69	6.59	2.44	18.50	10.25	7.11	1.51
15.95	9.70	6.60	2.42	18.55	10.26	7.12	1.50
16.00	9.72	6.61	2.40	18.60	10.27	7.13	1.49
16.05	9.73	6.63	2.37	18.65	10.28	7.14	1.48
16.10	9.74	6.64	2.35	18.70	10.29	7.14	1.47
16.15	9.76	6.65	2.33	18.75	10.30	7.15	1.46
16.20	9.77	6.66	2.31	18.80	10.30	7.16	1.45
16.25	9.78	6.68	2.30	18.85	10.31	7.17	1.45
16.30	9.80	6.69	2.28	18.90	10.32	7.18	1.44
16.35	9.81	6.70	2.26	18.95	10.33	7.18	1.44
16.40	9.82	6.71	2.24	19.00	10.34	7.19	1.43
16.45	9.83	6.72	2.22	19.05	10.35	7.20	1.43
16.50	9.85	6.73	2.21	19.10	10.35	7.21	1.42
16.55	9.86	6.75	2.19	19.15	10.36	7.22	1.42
16.60	9.87	6.76	2.17	19.20	10.37	7.22	1.41
16.65	9.88	6.77	2.15	19.25	10.38	7.23	1.41
16.70	9.89	6.78	2.13	19.30	10.39	7.24	1.40
16.75	9.91	6.79	2.12	19.35	10.40	7.25	1.40
16.80	9.92	6.80	2.10	19.40	10.40	7.25	1.39
16.85	9.93	6.81	2.08	19.45	10.41	7.26	1.39
16.90	9.94	6.82	2.06	19.50	10.42	7.27	1.38
16.95	9.95	6.83	2.05	19.55	10.43	7.28	1.38
17.00	9.96	6.84	2.03	19.60	10.44	7.28	1.37
17.05	9.97	6.85	2.01	19.65	10.44	7.29	1.37
17.10	9.99	6.86	1.99	19.70	10.45	7.30	1.37
17.15	10.00	6.87	1.98	19.75	10.46	7.31	1.36
17.20	10.01	6.88	1.96	19.80	10.47	7.31	1.36
17.25	10.02	6.89	1.94	19.85	10.48	7.32	1.35
17.30	10.03	6.90	1.92	19.90	10.48	7.33	1.35
17.35	10.04	6.91	1.90	19.95	10.49	7.34	1.34
17.40	10.05	6.92	1.89	20.00	10.50	7.34	1.34
17.45	10.06	6.93	1.87	20.05	10.51	7.35	1.34
17.50	10.07	6.94	1.85	20.10	10.52	7.36	1.33
17.55	10.08	6.95	1.83	20.15	10.52	7.37	1.33
17.60	10.09	6.96	1.81	20.20	10.53	7.37	1.32
17.65	10.10	6.97	1.80	20.25	10.54	7.38	1.32
17.70	10.11	6.98	1.78	20.30	10.55	7.39	1.31
17.75	10.12	6.99	1.76	20.35	10.55	7.39	1.31
17.80	10.13	7.00	1.74	20.40	10.56	7.40	1.30
17.85	10.14	7.01	1.73	20.45	10.57	7.41	1.30
17.90	10.15	7.01	1.71	20.50	10.58	7.42	1.29
17.95	10.16	7.02	1.69	20.55	10.58	7.42	1.29
18.00	10.17	7.03	1.67	20.60	10.59	7.43	1.29
18.05	10.17	7.04	1.65	20.65	10.60	7.44	1.28
18.10	10.18	7.05	1.64	20.70	10.61	7.44	1.28
18.15	10.19	7.06	1.62	20.75	10.61	7.45	1.27

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.46	1.27	23.40	10.97	7.78	1.04
20.85	10.63	7.46	1.26	23.45	10.97	7.79	1.03
20.90	10.64	7.47	1.26	23.50	10.98	7.79	1.03
20.95	10.64	7.48	1.26	23.55	10.99	7.80	1.02
21.00	10.65	7.48	1.25	23.60	10.99	7.80	1.02
21.05	10.66	7.49	1.25	23.65	11.00	7.81	1.01
21.10	10.66	7.50	1.24	23.70	11.00	7.82	1.01
21.15	10.67	7.51	1.24	23.75	11.01	7.82	1.00
21.20	10.68	7.51	1.23	23.80	11.01	7.83	1.00
21.25	10.69	7.52	1.23	23.85	11.02	7.83	1.00
21.30	10.69	7.53	1.22	23.90	11.03	7.84	0.99
21.35	10.70	7.53	1.22	23.95	11.03	7.84	0.99
21.40	10.71	7.54	1.21	24.00	**11.04**	**7.85**	0.98
21.45	10.71	7.55	1.21	24.05	11.04	7.85	0.98
21.50	10.72	7.55	1.21	24.10	11.04	7.85	0.98
21.55	10.73	7.56	1.20	24.15	11.04	7.85	0.97
21.60	10.74	7.56	1.20	24.20	11.04	7.85	0.95
21.65	10.74	7.57	1.19	24.25	11.04	7.85	0.92
21.70	10.75	7.58	1.19	24.30	11.04	7.85	0.86
21.75	10.76	7.58	1.18	24.35	11.04	7.85	0.77
21.80	10.76	7.59	1.18	24.40	11.04	7.85	0.68
21.85	10.77	7.60	1.17	24.45	11.04	7.85	0.58
21.90	10.78	7.60	1.17	24.50	11.04	7.85	0.49
21.95	10.78	7.61	1.17	24.55	11.04	7.85	0.40
22.00	10.79	7.62	1.16	24.60	11.04	7.85	0.32
22.05	10.80	7.62	1.16	24.65	11.04	7.85	0.26
22.10	10.80	7.63	1.15	24.70	11.04	7.85	0.21
22.15	10.81	7.63	1.15	24.75	11.04	7.85	0.17
22.20	10.82	7.64	1.14	24.80	11.04	7.85	0.14
22.25	10.82	7.65	1.14	24.85	11.04	7.85	0.11
22.30	10.83	7.65	1.14	24.90	11.04	7.85	0.09
22.35	10.84	7.66	1.13	24.95	11.04	7.85	0.07
22.40	10.84	7.67	1.13	25.00	11.04	7.85	0.06
22.45	10.85	7.67	1.12	25.05	11.04	7.85	0.05
22.50	10.86	7.68	1.12	25.10	11.04	7.85	0.04
22.55	10.86	7.68	1.11	25.15	11.04	7.85	0.03
22.60	10.87	7.69	1.11	25.20	11.04	7.85	0.02
22.65	10.88	7.70	1.10	25.25	11.04	7.85	0.02
22.70	10.88	7.70	1.10	25.30	11.04	7.85	0.02
22.75	10.89	7.71	1.09	25.35	11.04	7.85	0.01
22.80	10.89	7.71	1.09	25.40	11.04	7.85	0.01
22.85	10.90	7.72	1.09	25.45	11.04	7.85	0.01
22.90	10.91	7.73	1.08	25.50	11.04	7.85	0.01
22.95	10.91	7.73	1.08	25.55	11.04	7.85	0.00
23.00	10.92	7.74	1.07	25.60	11.04	7.85	0.00
23.05	10.93	7.74	1.07	25.65	11.04	7.85	0.00
23.10	10.93	7.75	1.06	25.70	11.04	7.85	0.00
23.15	10.94	7.75	1.06	25.75	11.04	7.85	0.00
23.20	10.94	7.76	1.05	25.80	11.04	7.85	0.00
23.25	10.95	7.77	1.05	25.85	11.04	7.85	0.00
23.30	10.96	7.77	1.05	25.90	11.04	7.85	0.00
23.35	10.96	7.78	1.04	25.95	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.85	0.00	28.60	11.04	7.85	0.00
26.05	11.04	7.85	0.00	28.65	11.04	7.85	0.00
26.10	11.04	7.85	0.00	28.70	11.04	7.85	0.00
26.15	11.04	7.85	0.00	28.75	11.04	7.85	0.00
26.20	11.04	7.85	0.00	28.80	11.04	7.85	0.00
26.25	11.04	7.85	0.00	28.85	11.04	7.85	0.00
26.30	11.04	7.85	0.00	28.90	11.04	7.85	0.00
26.35	11.04	7.85	0.00	28.95	11.04	7.85	0.00
26.40	11.04	7.85	0.00	29.00	11.04	7.85	0.00
26.45	11.04	7.85	0.00	29.05	11.04	7.85	0.00
26.50	11.04	7.85	0.00	29.10	11.04	7.85	0.00
26.55	11.04	7.85	0.00	29.15	11.04	7.85	0.00
26.60	11.04	7.85	0.00	29.20	11.04	7.85	0.00
26.65	11.04	7.85	0.00	29.25	11.04	7.85	0.00
26.70	11.04	7.85	0.00	29.30	11.04	7.85	0.00
26.75	11.04	7.85	0.00	29.35	11.04	7.85	0.00
26.80	11.04	7.85	0.00	29.40	11.04	7.85	0.00
26.85	11.04	7.85	0.00	29.45	11.04	7.85	0.00
26.90	11.04	7.85	0.00	29.50	11.04	7.85	0.00
26.95	11.04	7.85	0.00	29.55	11.04	7.85	0.00
27.00	11.04	7.85	0.00	29.60	11.04	7.85	0.00
27.05	11.04	7.85	0.00	29.65	11.04	7.85	0.00
27.10	11.04	7.85	0.00	29.70	11.04	7.85	0.00
27.15	11.04	7.85	0.00	29.75	11.04	7.85	0.00
27.20	11.04	7.85	0.00	29.80	11.04	7.85	0.00
27.25	11.04	7.85	0.00	29.85	11.04	7.85	0.00
27.30	11.04	7.85	0.00	29.90	11.04	7.85	0.00
27.35	11.04	7.85	0.00	29.95	11.04	7.85	0.00
27.40	11.04	7.85	0.00	30.00	11.04	7.85	0.00
27.45	11.04	7.85	0.00	30.05	11.04	7.85	0.00
27.50	11.04	7.85	0.00	30.10	11.04	7.85	0.00
27.55	11.04	7.85	0.00	30.15	11.04	7.85	0.00
27.60	11.04	7.85	0.00	30.20	11.04	7.85	0.00
27.65	11.04	7.85	0.00	30.25	11.04	7.85	0.00
27.70	11.04	7.85	0.00	30.30	11.04	7.85	0.00
27.75	11.04	7.85	0.00	30.35	11.04	7.85	0.00
27.80	11.04	7.85	0.00	30.40	11.04	7.85	0.00
27.85	11.04	7.85	0.00	30.45	11.04	7.85	0.00
27.90	11.04	7.85	0.00	30.50	11.04	7.85	0.00
27.95	11.04	7.85	0.00	30.55	11.04	7.85	0.00
28.00	11.04	7.85	0.00	30.60	11.04	7.85	0.00
28.05	11.04	7.85	0.00	30.65	11.04	7.85	0.00
28.10	11.04	7.85	0.00	30.70	11.04	7.85	0.00
28.15	11.04	7.85	0.00	30.75	11.04	7.85	0.00
28.20	11.04	7.85	0.00	30.80	11.04	7.85	0.00
28.25	11.04	7.85	0.00	30.85	11.04	7.85	0.00
28.30	11.04	7.85	0.00	30.90	11.04	7.85	0.00
28.35	11.04	7.85	0.00	30.95	11.04	7.85	0.00
28.40	11.04	7.85	0.00	31.00	11.04	7.85	0.00
28.45	11.04	7.85	0.00	31.05	11.04	7.85	0.00
28.50	11.04	7.85	0.00	31.10	11.04	7.85	0.00
28.55	11.04	7.85	0.00	31.15	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.85	0.00	33.80	11.04	7.85	0.00
31.25	11.04	7.85	0.00	33.85	11.04	7.85	0.00
31.30	11.04	7.85	0.00	33.90	11.04	7.85	0.00
31.35	11.04	7.85	0.00	33.95	11.04	7.85	0.00
31.40	11.04	7.85	0.00	34.00	11.04	7.85	0.00
31.45	11.04	7.85	0.00	34.05	11.04	7.85	0.00
31.50	11.04	7.85	0.00	34.10	11.04	7.85	0.00
31.55	11.04	7.85	0.00	34.15	11.04	7.85	0.00
31.60	11.04	7.85	0.00	34.20	11.04	7.85	0.00
31.65	11.04	7.85	0.00	34.25	11.04	7.85	0.00
31.70	11.04	7.85	0.00	34.30	11.04	7.85	0.00
31.75	11.04	7.85	0.00	34.35	11.04	7.85	0.00
31.80	11.04	7.85	0.00	34.40	11.04	7.85	0.00
31.85	11.04	7.85	0.00	34.45	11.04	7.85	0.00
31.90	11.04	7.85	0.00	34.50	11.04	7.85	0.00
31.95	11.04	7.85	0.00	34.55	11.04	7.85	0.00
32.00	11.04	7.85	0.00	34.60	11.04	7.85	0.00
32.05	11.04	7.85	0.00	34.65	11.04	7.85	0.00
32.10	11.04	7.85	0.00	34.70	11.04	7.85	0.00
32.15	11.04	7.85	0.00	34.75	11.04	7.85	0.00
32.20	11.04	7.85	0.00	34.80	11.04	7.85	0.00
32.25	11.04	7.85	0.00	34.85	11.04	7.85	0.00
32.30	11.04	7.85	0.00	34.90	11.04	7.85	0.00
32.35	11.04	7.85	0.00	34.95	11.04	7.85	0.00
32.40	11.04	7.85	0.00	35.00	11.04	7.85	0.00
32.45	11.04	7.85	0.00	35.05	11.04	7.85	0.00
32.50	11.04	7.85	0.00	35.10	11.04	7.85	0.00
32.55	11.04	7.85	0.00	35.15	11.04	7.85	0.00
32.60	11.04	7.85	0.00	35.20	11.04	7.85	0.00
32.65	11.04	7.85	0.00	35.25	11.04	7.85	0.00
32.70	11.04	7.85	0.00	35.30	11.04	7.85	0.00
32.75	11.04	7.85	0.00	35.35	11.04	7.85	0.00
32.80	11.04	7.85	0.00	35.40	11.04	7.85	0.00
32.85	11.04	7.85	0.00	35.45	11.04	7.85	0.00
32.90	11.04	7.85	0.00	35.50	11.04	7.85	0.00
32.95	11.04	7.85	0.00	35.55	11.04	7.85	0.00
33.00	11.04	7.85	0.00	35.60	11.04	7.85	0.00
33.05	11.04	7.85	0.00	35.65	11.04	7.85	0.00
33.10	11.04	7.85	0.00	35.70	11.04	7.85	0.00
33.15	11.04	7.85	0.00	35.75	11.04	7.85	0.00
33.20	11.04	7.85	0.00	35.80	11.04	7.85	0.00
33.25	11.04	7.85	0.00	35.85	11.04	7.85	0.00
33.30	11.04	7.85	0.00	35.90	11.04	7.85	0.00
33.35	11.04	7.85	0.00	35.95	11.04	7.85	0.00
33.40	11.04	7.85	0.00	36.00	11.04	7.85	0.00
33.45	11.04	7.85	0.00	36.05	11.04	7.85	0.00
33.50	11.04	7.85	0.00	36.10	11.04	7.85	0.00
33.55	11.04	7.85	0.00	36.15	11.04	7.85	0.00
33.60	11.04	7.85	0.00	36.20	11.04	7.85	0.00
33.65	11.04	7.85	0.00	36.25	11.04	7.85	0.00
33.70	11.04	7.85	0.00	36.30	11.04	7.85	0.00
33.75	11.04	7.85	0.00	36.35	11.04	7.85	0.00

Hydrograph for Subcatchment X-5P: XDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.85	0.00
36.45	11.04	7.85	0.00
36.50	11.04	7.85	0.00
36.55	11.04	7.85	0.00
36.60	11.04	7.85	0.00
36.65	11.04	7.85	0.00
36.70	11.04	7.85	0.00
36.75	11.04	7.85	0.00
36.80	11.04	7.85	0.00
36.85	11.04	7.85	0.00
36.90	11.04	7.85	0.00
36.95	11.04	7.85	0.00
37.00	11.04	7.85	0.00
37.05	11.04	7.85	0.00
37.10	11.04	7.85	0.00
37.15	11.04	7.85	0.00
37.20	11.04	7.85	0.00
37.25	11.04	7.85	0.00
37.30	11.04	7.85	0.00
37.35	11.04	7.85	0.00
37.40	11.04	7.85	0.00
37.45	11.04	7.85	0.00
37.50	11.04	7.85	0.00
37.55	11.04	7.85	0.00
37.60	11.04	7.85	0.00
37.65	11.04	7.85	0.00
37.70	11.04	7.85	0.00
37.75	11.04	7.85	0.00
37.80	11.04	7.85	0.00
37.85	11.04	7.85	0.00
37.90	11.04	7.85	0.00
37.95	11.04	7.85	0.00
38.00	11.04	7.85	0.00
38.05	11.04	7.85	0.00
38.10	11.04	7.85	0.00
38.15	11.04	7.85	0.00
38.20	11.04	7.85	0.00
38.25	11.04	7.85	0.00
38.30	11.04	7.85	0.00
38.35	11.04	7.85	0.00
38.40	11.04	7.85	0.00
38.45	11.04	7.85	0.00
38.50	11.04	7.85	0.00
38.55	11.04	7.85	0.00
38.60	11.04	7.85	0.00
38.65	11.04	7.85	0.00
38.70	11.04	7.85	0.00
38.75	11.04	7.85	0.00
38.80	11.04	7.85	0.00
38.85	11.04	7.85	0.00
38.90	11.04	7.85	0.00
38.95	11.04	7.85	0.00
39.00	11.04	7.85	0.00
39.05	11.04	7.85	0.00
39.10	11.04	7.85	0.00
39.15	11.04	7.85	0.00
39.20	11.04	7.85	0.00
39.25	11.04	7.85	0.00
39.30	11.04	7.85	0.00
39.35	11.04	7.85	0.00
39.40	11.04	7.85	0.00
39.45	11.04	7.85	0.00
39.50	11.04	7.85	0.00
39.55	11.04	7.85	0.00
39.60	11.04	7.85	0.00
39.65	11.04	7.85	0.00
39.70	11.04	7.85	0.00
39.75	11.04	7.85	0.00
39.80	11.04	7.85	0.00
39.85	11.04	7.85	0.00
39.90	11.04	7.85	0.00
39.95	11.04	7.85	0.00
40.00	11.04	7.85	0.00

Summary for Subcatchment X-6I: XDA-6 (offsite impervious)

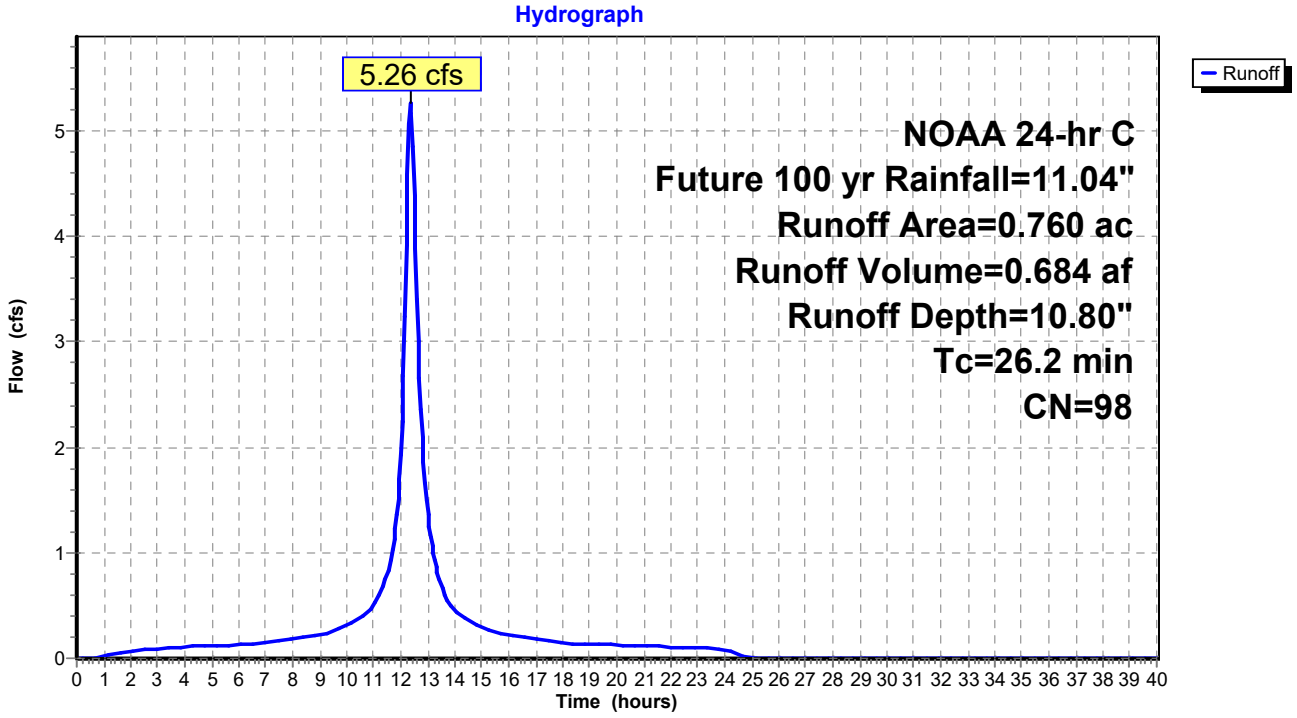
Runoff = 5.26 cfs @ 12.36 hrs, Volume= 0.684 af, Depth=10.80"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6I: XDA-6 (offsite impervious)



Hydrograph for Subcatchment X-6I: XDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.08
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.08
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.08
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.09
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.09
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.09
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.09
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.00	3.10	0.40	0.23	0.09
0.55	0.07	0.00	0.00	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.00	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.00	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.00	3.30	0.43	0.26	0.09
0.75	0.09	0.01	0.01	3.35	0.44	0.27	0.10
0.80	0.10	0.01	0.01	3.40	0.45	0.27	0.10
0.85	0.10	0.01	0.01	3.45	0.46	0.28	0.10
0.90	0.11	0.02	0.02	3.50	0.46	0.29	0.10
0.95	0.11	0.02	0.02	3.55	0.47	0.29	0.10
1.00	0.12	0.02	0.02	3.60	0.48	0.30	0.10
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.10
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.10
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.10
1.25	0.15	0.04	0.04	3.85	0.52	0.33	0.10
1.30	0.16	0.04	0.04	3.90	0.52	0.34	0.10
1.35	0.16	0.05	0.04	3.95	0.53	0.35	0.10
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.05	4.05	0.55	0.36	0.11
1.50	0.18	0.06	0.05	4.10	0.56	0.37	0.11
1.55	0.19	0.06	0.05	4.15	0.56	0.38	0.11
1.60	0.20	0.07	0.05	4.20	0.57	0.38	0.11
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.11
1.70	0.21	0.08	0.06	4.30	0.59	0.40	0.11
1.75	0.22	0.08	0.06	4.35	0.60	0.41	0.11
1.80	0.22	0.09	0.06	4.40	0.60	0.41	0.11
1.85	0.23	0.09	0.06	4.45	0.61	0.42	0.11
1.90	0.24	0.10	0.06	4.50	0.62	0.43	0.11
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.11
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.11
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.11
2.10	0.26	0.12	0.07	4.70	0.65	0.46	0.11
2.15	0.27	0.12	0.07	4.75	0.66	0.47	0.11
2.20	0.28	0.13	0.07	4.80	0.67	0.47	0.11
2.25	0.28	0.13	0.07	4.85	0.68	0.48	0.11
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.12
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.12
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.12
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.12
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.12
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.12

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.12	7.80	1.27	1.05	0.18
5.25	0.74	0.55	0.12	7.85	1.28	1.07	0.18
5.30	0.75	0.55	0.12	7.90	1.30	1.08	0.18
5.35	0.76	0.56	0.12	7.95	1.31	1.09	0.19
5.40	0.77	0.57	0.12	8.00	1.32	1.11	0.19
5.45	0.78	0.58	0.12	8.05	1.34	1.12	0.19
5.50	0.79	0.59	0.12	8.10	1.35	1.13	0.19
5.55	0.80	0.59	0.12	8.15	1.36	1.15	0.19
5.60	0.80	0.60	0.12	8.20	1.38	1.16	0.19
5.65	0.81	0.61	0.12	8.25	1.39	1.17	0.20
5.70	0.82	0.62	0.12	8.30	1.40	1.19	0.20
5.75	0.83	0.63	0.12	8.35	1.42	1.20	0.20
5.80	0.84	0.64	0.13	8.40	1.43	1.21	0.20
5.85	0.85	0.64	0.13	8.45	1.45	1.23	0.20
5.90	0.86	0.65	0.13	8.50	1.46	1.24	0.20
5.95	0.87	0.66	0.13	8.55	1.48	1.26	0.21
6.00	0.87	0.67	0.13	8.60	1.49	1.27	0.21
6.05	0.88	0.68	0.13	8.65	1.51	1.29	0.21
6.10	0.89	0.69	0.13	8.70	1.52	1.30	0.21
6.15	0.90	0.70	0.13	8.75	1.54	1.32	0.21
6.20	0.91	0.71	0.13	8.80	1.55	1.33	0.21
6.25	0.92	0.71	0.13	8.85	1.57	1.35	0.22
6.30	0.93	0.72	0.13	8.90	1.58	1.36	0.22
6.35	0.94	0.73	0.13	8.95	1.60	1.38	0.22
6.40	0.95	0.74	0.13	9.00	1.61	1.39	0.22
6.45	0.96	0.75	0.14	9.05	1.63	1.41	0.22
6.50	0.97	0.76	0.14	9.10	1.64	1.42	0.23
6.55	0.98	0.77	0.14	9.15	1.66	1.44	0.23
6.60	0.99	0.78	0.14	9.20	1.68	1.46	0.23
6.65	1.00	0.79	0.14	9.25	1.70	1.47	0.23
6.70	1.01	0.80	0.14	9.30	1.72	1.49	0.24
6.75	1.02	0.81	0.14	9.35	1.73	1.51	0.24
6.80	1.03	0.82	0.15	9.40	1.75	1.53	0.24
6.85	1.04	0.83	0.15	9.45	1.77	1.55	0.25
6.90	1.05	0.84	0.15	9.50	1.79	1.57	0.26
6.95	1.07	0.85	0.15	9.55	1.81	1.59	0.26
7.00	1.08	0.87	0.15	9.60	1.83	1.61	0.27
7.05	1.09	0.88	0.15	9.65	1.85	1.63	0.27
7.10	1.10	0.89	0.16	9.70	1.88	1.65	0.28
7.15	1.11	0.90	0.16	9.75	1.90	1.67	0.28
7.20	1.12	0.91	0.16	9.80	1.92	1.69	0.29
7.25	1.13	0.92	0.16	9.85	1.94	1.72	0.30
7.30	1.15	0.93	0.16	9.90	1.97	1.74	0.30
7.35	1.16	0.94	0.17	9.95	1.99	1.76	0.31
7.40	1.17	0.96	0.17	10.00	2.01	1.79	0.32
7.45	1.18	0.97	0.17	10.05	2.04	1.81	0.32
7.50	1.19	0.98	0.17	10.10	2.06	1.84	0.33
7.55	1.21	0.99	0.17	10.15	2.09	1.86	0.33
7.60	1.22	1.00	0.17	10.20	2.11	1.89	0.34
7.65	1.23	1.02	0.18	10.25	2.14	1.91	0.35
7.70	1.24	1.03	0.18	10.30	2.17	1.94	0.35
7.75	1.26	1.04	0.18	10.35	2.19	1.97	0.36

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.37	13.00	8.39	8.15	1.36
10.45	2.25	2.02	0.37	13.05	8.43	8.19	1.25
10.50	2.28	2.05	0.38	13.10	8.48	8.24	1.15
10.55	2.31	2.08	0.39	13.15	8.52	8.28	1.07
10.60	2.34	2.11	0.39	13.20	8.56	8.32	0.99
10.65	2.37	2.14	0.40	13.25	8.60	8.36	0.93
10.70	2.41	2.18	0.41	13.30	8.63	8.39	0.87
10.75	2.44	2.21	0.42	13.35	8.67	8.43	0.81
10.80	2.48	2.25	0.43	13.40	8.70	8.46	0.77
10.85	2.52	2.29	0.45	13.45	8.73	8.49	0.72
10.90	2.56	2.33	0.47	13.50	8.76	8.52	0.68
10.95	2.61	2.38	0.49	13.55	8.79	8.55	0.65
11.00	2.65	2.42	0.51	13.60	8.82	8.58	0.62
11.05	2.70	2.47	0.53	13.65	8.85	8.61	0.59
11.10	2.75	2.52	0.55	13.70	8.87	8.63	0.56
11.15	2.80	2.57	0.57	13.75	8.90	8.66	0.54
11.20	2.86	2.63	0.60	13.80	8.93	8.69	0.51
11.25	2.92	2.69	0.63	13.85	8.95	8.71	0.49
11.30	2.98	2.75	0.66	13.90	8.98	8.74	0.47
11.35	3.05	2.82	0.70	13.95	9.00	8.76	0.46
11.40	3.12	2.89	0.73	14.00	9.03	8.79	0.44
11.45	3.19	2.96	0.77	14.05	9.05	8.81	0.43
11.50	3.26	3.03	0.81	14.10	9.07	8.83	0.42
11.55	3.37	3.14	0.85	14.15	9.10	8.86	0.41
11.60	3.49	3.25	0.90	14.20	9.12	8.88	0.40
11.65	3.60	3.37	0.96	14.25	9.14	8.90	0.39
11.70	3.72	3.49	1.03	14.30	9.16	8.92	0.39
11.75	3.88	3.65	1.12	14.35	9.19	8.95	0.38
11.80	4.04	3.81	1.23	14.40	9.21	8.97	0.37
11.85	4.27	4.03	1.36	14.45	9.23	8.99	0.37
11.90	4.49	4.25	1.51	14.50	9.25	9.01	0.36
11.95	4.88	4.64	1.69	14.55	9.27	9.03	0.35
12.00	5.26	5.02	1.93	14.60	9.29	9.05	0.35
12.05	5.91	5.67	2.24	14.65	9.31	9.07	0.34
12.10	6.55	6.31	2.67	14.70	9.32	9.08	0.33
12.15	6.77	6.53	3.24	14.75	9.34	9.10	0.33
12.20	7.00	6.76	3.91	14.80	9.36	9.12	0.32
12.25	7.16	6.92	4.57	14.85	9.38	9.14	0.31
12.30	7.32	7.08	5.07	14.90	9.40	9.15	0.31
12.35	7.44	7.20	**5.26**	14.95	9.41	9.17	0.30
12.40	7.55	7.31	5.16	15.00	9.43	9.19	0.29
12.45	7.67	7.43	4.84	15.05	9.44	9.20	0.29
12.50	7.78	7.54	4.39	15.10	9.46	9.22	0.28
12.55	7.85	7.61	3.88	15.15	9.47	9.23	0.28
12.60	7.92	7.68	3.41	15.20	9.49	9.25	0.27
12.65	7.99	7.75	3.01	15.25	9.50	9.26	0.26
12.70	8.06	7.82	2.66	15.30	9.52	9.28	0.26
12.75	8.12	7.88	2.36	15.35	9.53	9.29	0.25
12.80	8.18	7.94	2.09	15.40	9.55	9.31	0.25
12.85	8.24	8.00	1.86	15.45	9.56	9.32	0.24
12.90	8.29	8.05	1.67	15.50	9.58	9.34	0.24
12.95	8.34	8.10	1.50	15.55	9.59	9.35	0.24

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.24	18.20	10.20	9.96	0.14
15.65	9.62	9.38	0.23	18.25	10.21	9.97	0.14
15.70	9.64	9.39	0.23	18.30	10.22	9.98	0.14
15.75	9.65	9.41	0.23	18.35	10.23	9.99	0.14
15.80	9.66	9.42	0.23	18.40	10.24	9.99	0.14
15.85	9.68	9.44	0.22	18.45	10.24	10.00	0.14
15.90	9.69	9.45	0.22	18.50	10.25	10.01	0.14
15.95	9.70	9.46	0.22	18.55	10.26	10.02	0.14
16.00	9.72	9.48	0.22	18.60	10.27	10.03	0.14
16.05	9.73	9.49	0.22	18.65	10.28	10.04	0.14
16.10	9.74	9.50	0.22	18.70	10.29	10.05	0.13
16.15	9.76	9.52	0.21	18.75	10.30	10.05	0.13
16.20	9.77	9.53	0.21	18.80	10.30	10.06	0.13
16.25	9.78	9.54	0.21	18.85	10.31	10.07	0.13
16.30	9.80	9.55	0.21	18.90	10.32	10.08	0.13
16.35	9.81	9.57	0.21	18.95	10.33	10.09	0.13
16.40	9.82	9.58	0.21	19.00	10.34	10.10	0.13
16.45	9.83	9.59	0.20	19.05	10.35	10.11	0.13
16.50	9.85	9.60	0.20	19.10	10.35	10.11	0.13
16.55	9.86	9.62	0.20	19.15	10.36	10.12	0.13
16.60	9.87	9.63	0.20	19.20	10.37	10.13	0.13
16.65	9.88	9.64	0.20	19.25	10.38	10.14	0.13
16.70	9.89	9.65	0.20	19.30	10.39	10.15	0.13
16.75	9.91	9.66	0.19	19.35	10.40	10.15	0.13
16.80	9.92	9.68	0.19	19.40	10.40	10.16	0.13
16.85	9.93	9.69	0.19	19.45	10.41	10.17	0.13
16.90	9.94	9.70	0.19	19.50	10.42	10.18	0.13
16.95	9.95	9.71	0.19	19.55	10.43	10.19	0.13
17.00	9.96	9.72	0.19	19.60	10.44	10.20	0.13
17.05	9.97	9.73	0.18	19.65	10.44	10.20	0.13
17.10	9.99	9.74	0.18	19.70	10.45	10.21	0.13
17.15	10.00	9.76	0.18	19.75	10.46	10.22	0.13
17.20	10.01	9.77	0.18	19.80	10.47	10.23	0.12
17.25	10.02	9.78	0.18	19.85	10.48	10.24	0.12
17.30	10.03	9.79	0.18	19.90	10.48	10.24	0.12
17.35	10.04	9.80	0.17	19.95	10.49	10.25	0.12
17.40	10.05	9.81	0.17	20.00	10.50	10.26	0.12
17.45	10.06	9.82	0.17	20.05	10.51	10.27	0.12
17.50	10.07	9.83	0.17	20.10	10.52	10.27	0.12
17.55	10.08	9.84	0.17	20.15	10.52	10.28	0.12
17.60	10.09	9.85	0.16	20.20	10.53	10.29	0.12
17.65	10.10	9.86	0.16	20.25	10.54	10.30	0.12
17.70	10.11	9.87	0.16	20.30	10.55	10.31	0.12
17.75	10.12	9.88	0.16	20.35	10.55	10.31	0.12
17.80	10.13	9.89	0.16	20.40	10.56	10.32	0.12
17.85	10.14	9.90	0.16	20.45	10.57	10.33	0.12
17.90	10.15	9.91	0.15	20.50	10.58	10.34	0.12
17.95	10.16	9.92	0.15	20.55	10.58	10.34	0.12
18.00	10.17	9.92	0.15	20.60	10.59	10.35	0.12
18.05	10.17	9.93	0.15	20.65	10.60	10.36	0.12
18.10	10.18	9.94	0.15	20.70	10.61	10.37	0.12
18.15	10.19	9.95	0.15	20.75	10.61	10.37	0.12

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.12	23.40	10.97	10.73	0.09
20.85	10.63	10.39	0.12	23.45	10.97	10.73	0.09
20.90	10.64	10.39	0.12	23.50	10.98	10.74	0.09
20.95	10.64	10.40	0.12	23.55	10.99	10.74	0.09
21.00	10.65	10.41	0.11	23.60	10.99	10.75	0.09
21.05	10.66	10.42	0.11	23.65	11.00	10.76	0.09
21.10	10.66	10.42	0.11	23.70	11.00	10.76	0.09
21.15	10.67	10.43	0.11	23.75	11.01	10.77	0.09
21.20	10.68	10.44	0.11	23.80	11.01	10.77	0.09
21.25	10.69	10.45	0.11	23.85	11.02	10.78	0.09
21.30	10.69	10.45	0.11	23.90	11.03	10.78	0.09
21.35	10.70	10.46	0.11	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.11	24.00	**11.04**	**10.80**	0.09
21.45	10.71	10.47	0.11	24.05	11.04	10.80	0.09
21.50	10.72	10.48	0.11	24.10	11.04	10.80	0.09
21.55	10.73	10.49	0.11	24.15	11.04	10.80	0.09
21.60	10.74	10.49	0.11	24.20	11.04	10.80	0.08
21.65	10.74	10.50	0.11	24.25	11.04	10.80	0.08
21.70	10.75	10.51	0.11	24.30	11.04	10.80	0.06
21.75	10.76	10.52	0.11	24.35	11.04	10.80	0.05
21.80	10.76	10.52	0.11	24.40	11.04	10.80	0.04
21.85	10.77	10.53	0.11	24.45	11.04	10.80	0.03
21.90	10.78	10.54	0.11	24.50	11.04	10.80	0.02
21.95	10.78	10.54	0.11	24.55	11.04	10.80	0.02
22.00	10.79	10.55	0.11	24.60	11.04	10.80	0.01
22.05	10.80	10.56	0.11	24.65	11.04	10.80	0.01
22.10	10.80	10.56	0.11	24.70	11.04	10.80	0.01
22.15	10.81	10.57	0.11	24.75	11.04	10.80	0.01
22.20	10.82	10.58	0.10	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.10	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.10	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.10	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.10	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.10	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.10	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.10	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.10	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.10	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.10	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.10	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.10	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.10	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.10	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.10	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.10	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.10	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.10	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.10	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.10	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.10	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.10	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.09	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment X-6l: XDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment X-6P: XDA-6 (onsite pervious)

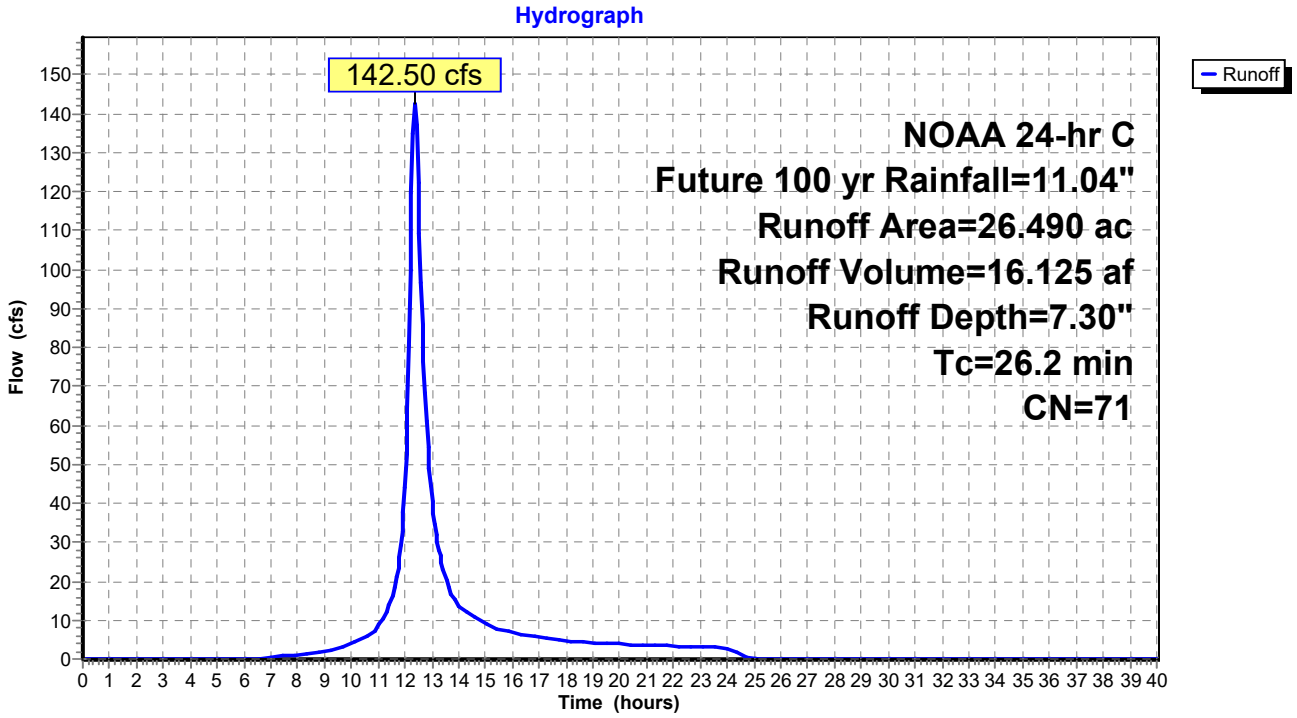
Runoff = 142.50 cfs @ 12.37 hrs, Volume= 16.125 af, Depth= 7.30"
Routed to Link XDA-6 : Existing Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
2.460	55	Woods, Good, HSG B
3.870	70	Woods, Good, HSG C
1.620	77	Woods, Good, HSG D
14.880	71	Row crops, C&T, Good, HSG B
3.540	78	Row crops, C&T, Good, HSG C
0.120	81	Row crops, C&T, Good, HSG D
26.490	71	Weighted Average
26.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6P: XDA-6 (onsite pervious)



Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.05	0.99
5.25	0.74	0.00	0.00	7.85	1.28	0.05	1.02
5.30	0.75	0.00	0.00	7.90	1.30	0.05	1.06
5.35	0.76	0.00	0.00	7.95	1.31	0.05	1.10
5.40	0.77	0.00	0.00	8.00	1.32	0.06	1.14
5.45	0.78	0.00	0.00	8.05	1.34	0.06	1.19
5.50	0.79	0.00	0.00	8.10	1.35	0.06	1.23
5.55	0.80	0.00	0.00	8.15	1.36	0.06	1.27
5.60	0.80	0.00	0.00	8.20	1.38	0.07	1.31
5.65	0.81	0.00	0.00	8.25	1.39	0.07	1.36
5.70	0.82	0.00	0.00	8.30	1.40	0.07	1.40
5.75	0.83	0.00	0.00	8.35	1.42	0.08	1.44
5.80	0.84	0.00	0.00	8.40	1.43	0.08	1.49
5.85	0.85	0.00	0.00	8.45	1.45	0.08	1.53
5.90	0.86	0.00	0.00	8.50	1.46	0.09	1.58
5.95	0.87	0.00	0.01	8.55	1.48	0.09	1.63
6.00	0.87	0.00	0.01	8.60	1.49	0.10	1.67
6.05	0.88	0.00	0.02	8.65	1.51	0.10	1.72
6.10	0.89	0.00	0.04	8.70	1.52	0.10	1.77
6.15	0.90	0.00	0.05	8.75	1.54	0.11	1.82
6.20	0.91	0.00	0.06	8.80	1.55	0.11	1.87
6.25	0.92	0.00	0.08	8.85	1.57	0.12	1.92
6.30	0.93	0.00	0.10	8.90	1.58	0.12	1.97
6.35	0.94	0.00	0.12	8.95	1.60	0.13	2.02
6.40	0.95	0.00	0.14	9.00	1.61	0.13	2.07
6.45	0.96	0.00	0.16	9.05	1.63	0.13	2.12
6.50	0.97	0.01	0.18	9.10	1.64	0.14	2.17
6.55	0.98	0.01	0.21	9.15	1.66	0.14	2.23
6.60	0.99	0.01	0.23	9.20	1.68	0.15	2.29
6.65	1.00	0.01	0.25	9.25	1.70	0.16	2.35
6.70	1.01	0.01	0.28	9.30	1.72	0.16	2.43
6.75	1.02	0.01	0.30	9.35	1.73	0.17	2.51
6.80	1.03	0.01	0.33	9.40	1.75	0.17	2.60
6.85	1.04	0.01	0.36	9.45	1.77	0.18	2.69
6.90	1.05	0.01	0.39	9.50	1.79	0.19	2.79
6.95	1.07	0.01	0.41	9.55	1.81	0.20	2.90
7.00	1.08	0.02	0.44	9.60	1.83	0.20	3.01
7.05	1.09	0.02	0.47	9.65	1.85	0.21	3.12
7.10	1.10	0.02	0.50	9.70	1.88	0.22	3.24
7.15	1.11	0.02	0.53	9.75	1.90	0.23	3.36
7.20	1.12	0.02	0.56	9.80	1.92	0.23	3.48
7.25	1.13	0.02	0.60	9.85	1.94	0.24	3.61
7.30	1.15	0.02	0.63	9.90	1.97	0.25	3.74
7.35	1.16	0.03	0.66	9.95	1.99	0.26	3.87
7.40	1.17	0.03	0.70	10.00	2.01	0.27	4.01
7.45	1.18	0.03	0.73	10.05	2.04	0.28	4.14
7.50	1.19	0.03	0.76	10.10	2.06	0.29	4.29
7.55	1.21	0.03	0.80	10.15	2.09	0.30	4.43
7.60	1.22	0.04	0.84	10.20	2.11	0.31	4.58
7.65	1.23	0.04	0.87	10.25	2.14	0.32	4.73
7.70	1.24	0.04	0.91	10.30	2.17	0.33	4.88
7.75	1.26	0.04	0.95	10.35	2.19	0.35	5.03

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.36	5.19	13.00	8.39	4.92	40.54
10.45	2.25	0.37	5.35	13.05	8.43	4.96	37.31
10.50	2.28	0.38	5.51	13.10	8.48	5.00	34.55
10.55	2.31	0.40	5.68	13.15	8.52	5.03	32.14
10.60	2.34	0.41	5.86	13.20	8.56	5.07	29.99
10.65	2.37	0.43	6.05	13.25	8.60	5.10	28.06
10.70	2.41	0.45	6.26	13.30	8.63	5.13	26.33
10.75	2.44	0.46	6.52	13.35	8.67	5.16	24.76
10.80	2.48	0.48	6.81	13.40	8.70	5.19	23.35
10.85	2.52	0.50	7.15	13.45	8.73	5.22	22.07
10.90	2.56	0.52	7.53	13.50	8.76	5.25	20.92
10.95	2.61	0.54	7.95	13.55	8.79	5.27	19.88
11.00	2.65	0.57	8.39	13.60	8.82	5.30	18.94
11.05	2.70	0.59	8.87	13.65	8.85	5.32	18.07
11.10	2.75	0.62	9.37	13.70	8.87	5.35	17.24
11.15	2.80	0.65	9.91	13.75	8.90	5.37	16.46
11.20	2.86	0.68	10.51	13.80	8.93	5.39	15.75
11.25	2.92	0.72	11.17	13.85	8.95	5.42	15.11
11.30	2.98	0.75	11.91	13.90	8.98	5.44	14.56
11.35	3.05	0.79	12.71	13.95	9.00	5.46	14.08
11.40	3.12	0.83	13.59	14.00	9.03	5.48	13.67
11.45	3.19	0.87	14.52	14.05	9.05	5.50	13.32
11.50	3.26	0.92	15.51	14.10	9.07	5.52	13.00
11.55	3.37	0.98	16.56	14.15	9.10	5.55	12.72
11.60	3.49	1.05	17.74	14.20	9.12	5.57	12.46
11.65	3.60	1.13	19.18	14.25	9.14	5.59	12.22
11.70	3.72	1.21	21.01	14.30	9.16	5.61	11.99
11.75	3.88	1.31	23.28	14.35	9.19	5.62	11.77
11.80	4.04	1.42	26.00	14.40	9.21	5.64	11.56
11.85	4.27	1.58	29.20	14.45	9.23	5.66	11.35
11.90	4.49	1.74	33.03	14.50	9.25	5.68	11.15
11.95	4.88	2.02	37.85	14.55	9.27	5.70	10.95
12.00	5.26	2.32	44.15	14.60	9.29	5.71	10.75
12.05	5.91	2.82	52.55	14.65	9.31	5.73	10.55
12.10	6.55	3.35	64.39	14.70	9.32	5.75	10.36
12.15	6.77	3.53	80.42	14.75	9.34	5.76	10.16
12.20	7.00	3.72	99.74	14.80	9.36	5.78	9.97
12.25	7.16	3.86	119.36	14.85	9.38	5.80	9.77
12.30	7.32	3.99	134.76	14.90	9.40	5.81	9.58
12.35	7.44	4.09	**141.93**	14.95	9.41	5.83	9.38
12.40	7.55	4.19	140.87	15.00	9.43	5.84	9.19
12.45	7.67	4.29	133.72	15.05	9.44	5.85	9.00
12.50	7.78	4.39	122.35	15.10	9.46	5.87	8.80
12.55	7.85	4.45	109.22	15.15	9.47	5.88	8.60
12.60	7.92	4.51	96.62	15.20	9.49	5.90	8.41
12.65	7.99	4.57	85.94	15.25	9.50	5.91	8.23
12.70	8.06	4.63	76.63	15.30	9.52	5.92	8.05
12.75	8.12	4.68	68.32	15.35	9.53	5.94	7.90
12.80	8.18	4.74	60.93	15.40	9.55	5.95	7.76
12.85	8.24	4.78	54.57	15.45	9.56	5.96	7.63
12.90	8.29	4.83	49.10	15.50	9.58	5.98	7.53
12.95	8.34	4.88	44.44	15.55	9.59	5.99	7.44

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.00	7.36	18.20	10.20	6.54	4.58
15.65	9.62	6.01	7.28	18.25	10.21	6.55	4.53
15.70	9.64	6.03	7.22	18.30	10.22	6.55	4.48
15.75	9.65	6.04	7.15	18.35	10.23	6.56	4.44
15.80	9.66	6.05	7.09	18.40	10.24	6.57	4.40
15.85	9.68	6.06	7.03	18.45	10.24	6.58	4.37
15.90	9.69	6.08	6.97	18.50	10.25	6.59	4.34
15.95	9.70	6.09	6.92	18.55	10.26	6.59	4.32
16.00	9.72	6.10	6.86	18.60	10.27	6.60	4.30
16.05	9.73	6.11	6.81	18.65	10.28	6.61	4.28
16.10	9.74	6.12	6.76	18.70	10.29	6.62	4.26
16.15	9.76	6.14	6.71	18.75	10.30	6.62	4.24
16.20	9.77	6.15	6.65	18.80	10.30	6.63	4.23
16.25	9.78	6.16	6.60	18.85	10.31	6.64	4.21
16.30	9.80	6.17	6.55	18.90	10.32	6.65	4.20
16.35	9.81	6.18	6.50	18.95	10.33	6.66	4.19
16.40	9.82	6.19	6.45	19.00	10.34	6.66	4.17
16.45	9.83	6.21	6.40	19.05	10.35	6.67	4.16
16.50	9.85	6.22	6.35	19.10	10.35	6.68	4.14
16.55	9.86	6.23	6.30	19.15	10.36	6.69	4.13
16.60	9.87	6.24	6.24	19.20	10.37	6.69	4.12
16.65	9.88	6.25	6.19	19.25	10.38	6.70	4.11
16.70	9.89	6.26	6.14	19.30	10.39	6.71	4.09
16.75	9.91	6.27	6.09	19.35	10.40	6.72	4.08
16.80	9.92	6.28	6.04	19.40	10.40	6.72	4.07
16.85	9.93	6.29	5.99	19.45	10.41	6.73	4.05
16.90	9.94	6.30	5.93	19.50	10.42	6.74	4.04
16.95	9.95	6.31	5.88	19.55	10.43	6.74	4.03
17.00	9.96	6.32	5.83	19.60	10.44	6.75	4.01
17.05	9.97	6.33	5.78	19.65	10.44	6.76	4.00
17.10	9.99	6.34	5.73	19.70	10.45	6.77	3.99
17.15	10.00	6.35	5.68	19.75	10.46	6.77	3.98
17.20	10.01	6.36	5.62	19.80	10.47	6.78	3.96
17.25	10.02	6.37	5.57	19.85	10.48	6.79	3.95
17.30	10.03	6.38	5.52	19.90	10.48	6.80	3.94
17.35	10.04	6.39	5.47	19.95	10.49	6.80	3.93
17.40	10.05	6.40	5.42	20.00	10.50	6.81	3.92
17.45	10.06	6.41	5.36	20.05	10.51	6.82	3.90
17.50	10.07	6.42	5.31	20.10	10.52	6.82	3.89
17.55	10.08	6.43	5.26	20.15	10.52	6.83	3.88
17.60	10.09	6.44	5.20	20.20	10.53	6.84	3.86
17.65	10.10	6.45	5.15	20.25	10.54	6.85	3.85
17.70	10.11	6.45	5.10	20.30	10.55	6.85	3.84
17.75	10.12	6.46	5.05	20.35	10.55	6.86	3.82
17.80	10.13	6.47	5.00	20.40	10.56	6.87	3.81
17.85	10.14	6.48	4.95	20.45	10.57	6.87	3.79
17.90	10.15	6.49	4.89	20.50	10.58	6.88	3.78
17.95	10.16	6.50	4.84	20.55	10.58	6.89	3.77
18.00	10.17	6.51	4.79	20.60	10.59	6.89	3.76
18.05	10.17	6.51	4.74	20.65	10.60	6.90	3.74
18.10	10.18	6.52	4.68	20.70	10.61	6.91	3.73
18.15	10.19	6.53	4.63	20.75	10.61	6.91	3.72

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.92	3.71	23.40	10.97	7.24	3.02
20.85	10.63	6.93	3.70	23.45	10.97	7.24	3.01
20.90	10.64	6.93	3.68	23.50	10.98	7.25	3.00
20.95	10.64	6.94	3.67	23.55	10.99	7.25	2.98
21.00	10.65	6.95	3.66	23.60	10.99	7.26	2.97
21.05	10.66	6.95	3.64	23.65	11.00	7.27	2.96
21.10	10.66	6.96	3.63	23.70	11.00	7.27	2.94
21.15	10.67	6.97	3.61	23.75	11.01	7.28	2.93
21.20	10.68	6.97	3.60	23.80	11.01	7.28	2.92
21.25	10.69	6.98	3.59	23.85	11.02	7.29	2.91
21.30	10.69	6.99	3.57	23.90	11.03	7.29	2.89
21.35	10.70	6.99	3.56	23.95	11.03	7.30	2.88
21.40	10.71	7.00	3.55	24.00	**11.04**	**7.30**	2.87
21.45	10.71	7.01	3.54	24.05	11.04	7.30	2.88
21.50	10.72	7.01	3.53	24.10	11.04	7.30	2.87
21.55	10.73	7.02	3.51	24.15	11.04	7.30	2.82
21.60	10.74	7.03	3.50	24.20	11.04	7.30	2.67
21.65	10.74	7.03	3.49	24.25	11.04	7.30	2.41
21.70	10.75	7.04	3.47	24.30	11.04	7.30	2.07
21.75	10.76	7.04	3.46	24.35	11.04	7.30	1.70
21.80	10.76	7.05	3.44	24.40	11.04	7.30	1.33
21.85	10.77	7.06	3.43	24.45	11.04	7.30	1.01
21.90	10.78	7.06	3.42	24.50	11.04	7.30	0.76
21.95	10.78	7.07	3.41	24.55	11.04	7.30	0.57
22.00	10.79	7.08	3.39	24.60	11.04	7.30	0.43
22.05	10.80	7.08	3.38	24.65	11.04	7.30	0.33
22.10	10.80	7.09	3.37	24.70	11.04	7.30	0.25
22.15	10.81	7.09	3.35	24.75	11.04	7.30	0.18
22.20	10.82	7.10	3.34	24.80	11.04	7.30	0.14
22.25	10.82	7.11	3.33	24.85	11.04	7.30	0.10
22.30	10.83	7.11	3.31	24.90	11.04	7.30	0.08
22.35	10.84	7.12	3.30	24.95	11.04	7.30	0.06
22.40	10.84	7.12	3.29	25.00	11.04	7.30	0.04
22.45	10.85	7.13	3.28	25.05	11.04	7.30	0.03
22.50	10.86	7.14	3.26	25.10	11.04	7.30	0.02
22.55	10.86	7.14	3.25	25.15	11.04	7.30	0.02
22.60	10.87	7.15	3.23	25.20	11.04	7.30	0.01
22.65	10.88	7.15	3.22	25.25	11.04	7.30	0.01
22.70	10.88	7.16	3.21	25.30	11.04	7.30	0.01
22.75	10.89	7.17	3.20	25.35	11.04	7.30	0.00
22.80	10.89	7.17	3.18	25.40	11.04	7.30	0.00
22.85	10.90	7.18	3.17	25.45	11.04	7.30	0.00
22.90	10.91	7.18	3.16	25.50	11.04	7.30	0.00
22.95	10.91	7.19	3.14	25.55	11.04	7.30	0.00
23.00	10.92	7.19	3.13	25.60	11.04	7.30	0.00
23.05	10.93	7.20	3.11	25.65	11.04	7.30	0.00
23.10	10.93	7.21	3.10	25.70	11.04	7.30	0.00
23.15	10.94	7.21	3.09	25.75	11.04	7.30	0.00
23.20	10.94	7.22	3.08	25.80	11.04	7.30	0.00
23.25	10.95	7.22	3.06	25.85	11.04	7.30	0.00
23.30	10.96	7.23	3.05	25.90	11.04	7.30	0.00
23.35	10.96	7.23	3.04	25.95	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.30	0.00	28.60	11.04	7.30	0.00
26.05	11.04	7.30	0.00	28.65	11.04	7.30	0.00
26.10	11.04	7.30	0.00	28.70	11.04	7.30	0.00
26.15	11.04	7.30	0.00	28.75	11.04	7.30	0.00
26.20	11.04	7.30	0.00	28.80	11.04	7.30	0.00
26.25	11.04	7.30	0.00	28.85	11.04	7.30	0.00
26.30	11.04	7.30	0.00	28.90	11.04	7.30	0.00
26.35	11.04	7.30	0.00	28.95	11.04	7.30	0.00
26.40	11.04	7.30	0.00	29.00	11.04	7.30	0.00
26.45	11.04	7.30	0.00	29.05	11.04	7.30	0.00
26.50	11.04	7.30	0.00	29.10	11.04	7.30	0.00
26.55	11.04	7.30	0.00	29.15	11.04	7.30	0.00
26.60	11.04	7.30	0.00	29.20	11.04	7.30	0.00
26.65	11.04	7.30	0.00	29.25	11.04	7.30	0.00
26.70	11.04	7.30	0.00	29.30	11.04	7.30	0.00
26.75	11.04	7.30	0.00	29.35	11.04	7.30	0.00
26.80	11.04	7.30	0.00	29.40	11.04	7.30	0.00
26.85	11.04	7.30	0.00	29.45	11.04	7.30	0.00
26.90	11.04	7.30	0.00	29.50	11.04	7.30	0.00
26.95	11.04	7.30	0.00	29.55	11.04	7.30	0.00
27.00	11.04	7.30	0.00	29.60	11.04	7.30	0.00
27.05	11.04	7.30	0.00	29.65	11.04	7.30	0.00
27.10	11.04	7.30	0.00	29.70	11.04	7.30	0.00
27.15	11.04	7.30	0.00	29.75	11.04	7.30	0.00
27.20	11.04	7.30	0.00	29.80	11.04	7.30	0.00
27.25	11.04	7.30	0.00	29.85	11.04	7.30	0.00
27.30	11.04	7.30	0.00	29.90	11.04	7.30	0.00
27.35	11.04	7.30	0.00	29.95	11.04	7.30	0.00
27.40	11.04	7.30	0.00	30.00	11.04	7.30	0.00
27.45	11.04	7.30	0.00	30.05	11.04	7.30	0.00
27.50	11.04	7.30	0.00	30.10	11.04	7.30	0.00
27.55	11.04	7.30	0.00	30.15	11.04	7.30	0.00
27.60	11.04	7.30	0.00	30.20	11.04	7.30	0.00
27.65	11.04	7.30	0.00	30.25	11.04	7.30	0.00
27.70	11.04	7.30	0.00	30.30	11.04	7.30	0.00
27.75	11.04	7.30	0.00	30.35	11.04	7.30	0.00
27.80	11.04	7.30	0.00	30.40	11.04	7.30	0.00
27.85	11.04	7.30	0.00	30.45	11.04	7.30	0.00
27.90	11.04	7.30	0.00	30.50	11.04	7.30	0.00
27.95	11.04	7.30	0.00	30.55	11.04	7.30	0.00
28.00	11.04	7.30	0.00	30.60	11.04	7.30	0.00
28.05	11.04	7.30	0.00	30.65	11.04	7.30	0.00
28.10	11.04	7.30	0.00	30.70	11.04	7.30	0.00
28.15	11.04	7.30	0.00	30.75	11.04	7.30	0.00
28.20	11.04	7.30	0.00	30.80	11.04	7.30	0.00
28.25	11.04	7.30	0.00	30.85	11.04	7.30	0.00
28.30	11.04	7.30	0.00	30.90	11.04	7.30	0.00
28.35	11.04	7.30	0.00	30.95	11.04	7.30	0.00
28.40	11.04	7.30	0.00	31.00	11.04	7.30	0.00
28.45	11.04	7.30	0.00	31.05	11.04	7.30	0.00
28.50	11.04	7.30	0.00	31.10	11.04	7.30	0.00
28.55	11.04	7.30	0.00	31.15	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.30	0.00	33.80	11.04	7.30	0.00
31.25	11.04	7.30	0.00	33.85	11.04	7.30	0.00
31.30	11.04	7.30	0.00	33.90	11.04	7.30	0.00
31.35	11.04	7.30	0.00	33.95	11.04	7.30	0.00
31.40	11.04	7.30	0.00	34.00	11.04	7.30	0.00
31.45	11.04	7.30	0.00	34.05	11.04	7.30	0.00
31.50	11.04	7.30	0.00	34.10	11.04	7.30	0.00
31.55	11.04	7.30	0.00	34.15	11.04	7.30	0.00
31.60	11.04	7.30	0.00	34.20	11.04	7.30	0.00
31.65	11.04	7.30	0.00	34.25	11.04	7.30	0.00
31.70	11.04	7.30	0.00	34.30	11.04	7.30	0.00
31.75	11.04	7.30	0.00	34.35	11.04	7.30	0.00
31.80	11.04	7.30	0.00	34.40	11.04	7.30	0.00
31.85	11.04	7.30	0.00	34.45	11.04	7.30	0.00
31.90	11.04	7.30	0.00	34.50	11.04	7.30	0.00
31.95	11.04	7.30	0.00	34.55	11.04	7.30	0.00
32.00	11.04	7.30	0.00	34.60	11.04	7.30	0.00
32.05	11.04	7.30	0.00	34.65	11.04	7.30	0.00
32.10	11.04	7.30	0.00	34.70	11.04	7.30	0.00
32.15	11.04	7.30	0.00	34.75	11.04	7.30	0.00
32.20	11.04	7.30	0.00	34.80	11.04	7.30	0.00
32.25	11.04	7.30	0.00	34.85	11.04	7.30	0.00
32.30	11.04	7.30	0.00	34.90	11.04	7.30	0.00
32.35	11.04	7.30	0.00	34.95	11.04	7.30	0.00
32.40	11.04	7.30	0.00	35.00	11.04	7.30	0.00
32.45	11.04	7.30	0.00	35.05	11.04	7.30	0.00
32.50	11.04	7.30	0.00	35.10	11.04	7.30	0.00
32.55	11.04	7.30	0.00	35.15	11.04	7.30	0.00
32.60	11.04	7.30	0.00	35.20	11.04	7.30	0.00
32.65	11.04	7.30	0.00	35.25	11.04	7.30	0.00
32.70	11.04	7.30	0.00	35.30	11.04	7.30	0.00
32.75	11.04	7.30	0.00	35.35	11.04	7.30	0.00
32.80	11.04	7.30	0.00	35.40	11.04	7.30	0.00
32.85	11.04	7.30	0.00	35.45	11.04	7.30	0.00
32.90	11.04	7.30	0.00	35.50	11.04	7.30	0.00
32.95	11.04	7.30	0.00	35.55	11.04	7.30	0.00
33.00	11.04	7.30	0.00	35.60	11.04	7.30	0.00
33.05	11.04	7.30	0.00	35.65	11.04	7.30	0.00
33.10	11.04	7.30	0.00	35.70	11.04	7.30	0.00
33.15	11.04	7.30	0.00	35.75	11.04	7.30	0.00
33.20	11.04	7.30	0.00	35.80	11.04	7.30	0.00
33.25	11.04	7.30	0.00	35.85	11.04	7.30	0.00
33.30	11.04	7.30	0.00	35.90	11.04	7.30	0.00
33.35	11.04	7.30	0.00	35.95	11.04	7.30	0.00
33.40	11.04	7.30	0.00	36.00	11.04	7.30	0.00
33.45	11.04	7.30	0.00	36.05	11.04	7.30	0.00
33.50	11.04	7.30	0.00	36.10	11.04	7.30	0.00
33.55	11.04	7.30	0.00	36.15	11.04	7.30	0.00
33.60	11.04	7.30	0.00	36.20	11.04	7.30	0.00
33.65	11.04	7.30	0.00	36.25	11.04	7.30	0.00
33.70	11.04	7.30	0.00	36.30	11.04	7.30	0.00
33.75	11.04	7.30	0.00	36.35	11.04	7.30	0.00

Hydrograph for Subcatchment X-6P: XDA-6 (onsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.30	0.00
36.45	11.04	7.30	0.00
36.50	11.04	7.30	0.00
36.55	11.04	7.30	0.00
36.60	11.04	7.30	0.00
36.65	11.04	7.30	0.00
36.70	11.04	7.30	0.00
36.75	11.04	7.30	0.00
36.80	11.04	7.30	0.00
36.85	11.04	7.30	0.00
36.90	11.04	7.30	0.00
36.95	11.04	7.30	0.00
37.00	11.04	7.30	0.00
37.05	11.04	7.30	0.00
37.10	11.04	7.30	0.00
37.15	11.04	7.30	0.00
37.20	11.04	7.30	0.00
37.25	11.04	7.30	0.00
37.30	11.04	7.30	0.00
37.35	11.04	7.30	0.00
37.40	11.04	7.30	0.00
37.45	11.04	7.30	0.00
37.50	11.04	7.30	0.00
37.55	11.04	7.30	0.00
37.60	11.04	7.30	0.00
37.65	11.04	7.30	0.00
37.70	11.04	7.30	0.00
37.75	11.04	7.30	0.00
37.80	11.04	7.30	0.00
37.85	11.04	7.30	0.00
37.90	11.04	7.30	0.00
37.95	11.04	7.30	0.00
38.00	11.04	7.30	0.00
38.05	11.04	7.30	0.00
38.10	11.04	7.30	0.00
38.15	11.04	7.30	0.00
38.20	11.04	7.30	0.00
38.25	11.04	7.30	0.00
38.30	11.04	7.30	0.00
38.35	11.04	7.30	0.00
38.40	11.04	7.30	0.00
38.45	11.04	7.30	0.00
38.50	11.04	7.30	0.00
38.55	11.04	7.30	0.00
38.60	11.04	7.30	0.00
38.65	11.04	7.30	0.00
38.70	11.04	7.30	0.00
38.75	11.04	7.30	0.00
38.80	11.04	7.30	0.00
38.85	11.04	7.30	0.00
38.90	11.04	7.30	0.00
38.95	11.04	7.30	0.00
39.00	11.04	7.30	0.00
39.05	11.04	7.30	0.00
39.10	11.04	7.30	0.00
39.15	11.04	7.30	0.00
39.20	11.04	7.30	0.00
39.25	11.04	7.30	0.00
39.30	11.04	7.30	0.00
39.35	11.04	7.30	0.00
39.40	11.04	7.30	0.00
39.45	11.04	7.30	0.00
39.50	11.04	7.30	0.00
39.55	11.04	7.30	0.00
39.60	11.04	7.30	0.00
39.65	11.04	7.30	0.00
39.70	11.04	7.30	0.00
39.75	11.04	7.30	0.00
39.80	11.04	7.30	0.00
39.85	11.04	7.30	0.00
39.90	11.04	7.30	0.00
39.95	11.04	7.30	0.00
40.00	11.04	7.30	0.00

Summary for Subcatchment X-6PO: XDA-6 (offsite pervious)

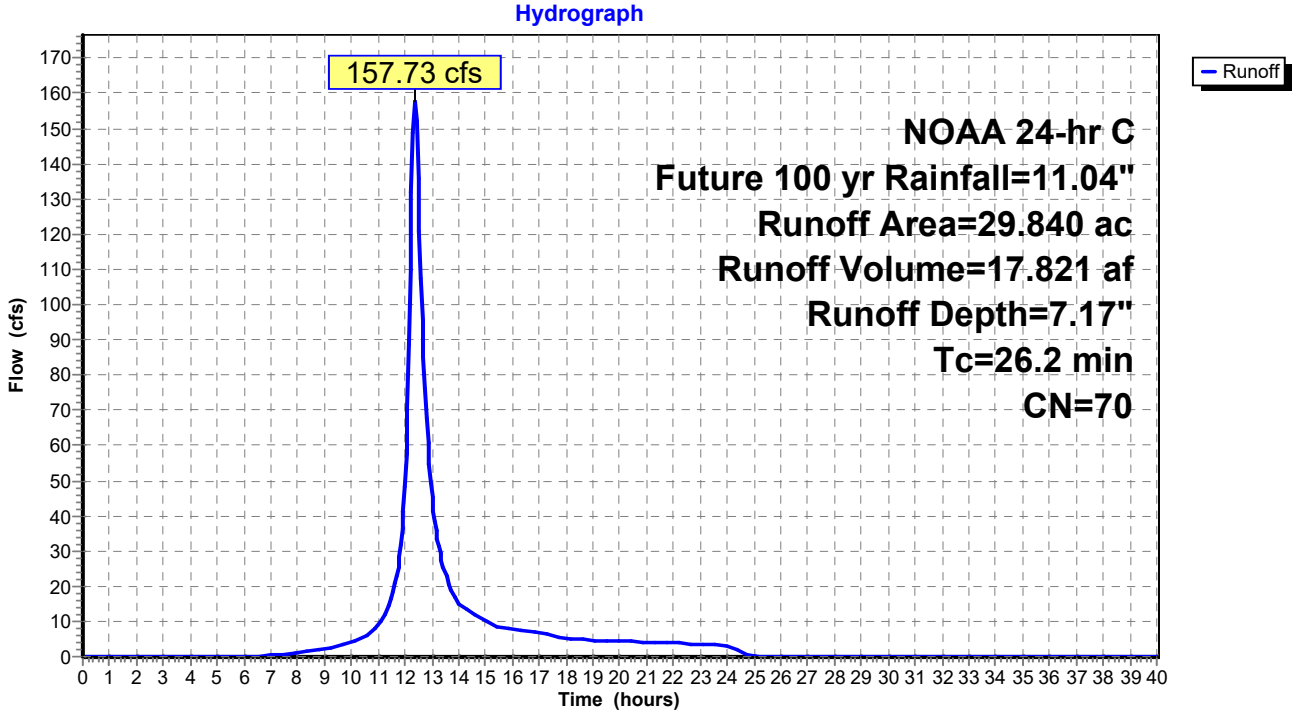
Runoff = 157.73 cfs @ 12.37 hrs, Volume= 17.821 af, Depth= 7.17"
Routed to Link XDA-6O : XDA-6O

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment X-6PO: XDA-6 (offsite pervious)



Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.04	0.96
5.25	0.74	0.00	0.00	7.85	1.28	0.04	1.00
5.30	0.75	0.00	0.00	7.90	1.30	0.04	1.04
5.35	0.76	0.00	0.00	7.95	1.31	0.04	1.08
5.40	0.77	0.00	0.00	8.00	1.32	0.05	1.13
5.45	0.78	0.00	0.00	8.05	1.34	0.05	1.17
5.50	0.79	0.00	0.00	8.10	1.35	0.05	1.22
5.55	0.80	0.00	0.00	8.15	1.36	0.05	1.26
5.60	0.80	0.00	0.00	8.20	1.38	0.06	1.31
5.65	0.81	0.00	0.00	8.25	1.39	0.06	1.36
5.70	0.82	0.00	0.00	8.30	1.40	0.06	1.40
5.75	0.83	0.00	0.00	8.35	1.42	0.07	1.45
5.80	0.84	0.00	0.00	8.40	1.43	0.07	1.50
5.85	0.85	0.00	0.00	8.45	1.45	0.07	1.55
5.90	0.86	0.00	0.00	8.50	1.46	0.07	1.60
5.95	0.87	0.00	0.00	8.55	1.48	0.08	1.65
6.00	0.87	0.00	0.00	8.60	1.49	0.08	1.70
6.05	0.88	0.00	0.00	8.65	1.51	0.09	1.75
6.10	0.89	0.00	0.00	8.70	1.52	0.09	1.81
6.15	0.90	0.00	0.01	8.75	1.54	0.09	1.86
6.20	0.91	0.00	0.01	8.80	1.55	0.10	1.91
6.25	0.92	0.00	0.02	8.85	1.57	0.10	1.97
6.30	0.93	0.00	0.03	8.90	1.58	0.10	2.02
6.35	0.94	0.00	0.05	8.95	1.60	0.11	2.08
6.40	0.95	0.00	0.06	9.00	1.61	0.11	2.13
6.45	0.96	0.00	0.08	9.05	1.63	0.12	2.19
6.50	0.97	0.00	0.10	9.10	1.64	0.12	2.25
6.55	0.98	0.00	0.13	9.15	1.66	0.13	2.31
6.60	0.99	0.00	0.15	9.20	1.68	0.13	2.37
6.65	1.00	0.00	0.17	9.25	1.70	0.14	2.45
6.70	1.01	0.01	0.20	9.30	1.72	0.14	2.53
6.75	1.02	0.01	0.23	9.35	1.73	0.15	2.61
6.80	1.03	0.01	0.25	9.40	1.75	0.15	2.71
6.85	1.04	0.01	0.28	9.45	1.77	0.16	2.81
6.90	1.05	0.01	0.31	9.50	1.79	0.17	2.92
6.95	1.07	0.01	0.34	9.55	1.81	0.17	3.03
7.00	1.08	0.01	0.37	9.60	1.83	0.18	3.15
7.05	1.09	0.01	0.40	9.65	1.85	0.19	3.27
7.10	1.10	0.01	0.44	9.70	1.88	0.20	3.40
7.15	1.11	0.01	0.47	9.75	1.90	0.20	3.53
7.20	1.12	0.02	0.50	9.80	1.92	0.21	3.66
7.25	1.13	0.02	0.54	9.85	1.94	0.22	3.80
7.30	1.15	0.02	0.57	9.90	1.97	0.23	3.94
7.35	1.16	0.02	0.61	9.95	1.99	0.24	4.09
7.40	1.17	0.02	0.64	10.00	2.01	0.25	4.23
7.45	1.18	0.02	0.68	10.05	2.04	0.25	4.38
7.50	1.19	0.02	0.72	10.10	2.06	0.26	4.54
7.55	1.21	0.03	0.75	10.15	2.09	0.27	4.70
7.60	1.22	0.03	0.79	10.20	2.11	0.28	4.86
7.65	1.23	0.03	0.83	10.25	2.14	0.30	5.02
7.70	1.24	0.03	0.87	10.30	2.17	0.31	5.19
7.75	1.26	0.03	0.91	10.35	2.19	0.32	5.36

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.33	5.53	13.00	8.39	4.80	45.13
10.45	2.25	0.34	5.71	13.05	8.43	4.84	41.55
10.50	2.28	0.35	5.88	13.10	8.48	4.88	38.48
10.55	2.31	0.37	6.07	13.15	8.52	4.91	35.80
10.60	2.34	0.38	6.26	13.20	8.56	4.95	33.41
10.65	2.37	0.40	6.47	13.25	8.60	4.98	31.27
10.70	2.41	0.41	6.70	13.30	8.63	5.01	29.34
10.75	2.44	0.43	6.98	13.35	8.67	5.04	27.61
10.80	2.48	0.45	7.30	13.40	8.70	5.07	26.04
10.85	2.52	0.47	7.67	13.45	8.73	5.10	24.61
10.90	2.56	0.49	8.09	13.50	8.76	5.13	23.33
10.95	2.61	0.51	8.54	13.55	8.79	5.15	22.17
11.00	2.65	0.53	9.03	13.60	8.82	5.18	21.13
11.05	2.70	0.55	9.54	13.65	8.85	5.20	20.16
11.10	2.75	0.58	10.09	13.70	8.87	5.22	19.23
11.15	2.80	0.61	10.69	13.75	8.90	5.25	18.36
11.20	2.86	0.64	11.34	13.80	8.93	5.27	17.57
11.25	2.92	0.67	12.06	13.85	8.95	5.29	16.86
11.30	2.98	0.70	12.87	13.90	8.98	5.32	16.24
11.35	3.05	0.74	13.75	13.95	9.00	5.34	15.71
11.40	3.12	0.78	14.71	14.00	9.03	5.36	15.26
11.45	3.19	0.82	15.74	14.05	9.05	5.38	14.86
11.50	3.26	0.86	16.82	14.10	9.07	5.40	14.51
11.55	3.37	0.93	17.98	14.15	9.10	5.42	14.20
11.60	3.49	1.00	19.28	14.20	9.12	5.44	13.91
11.65	3.60	1.07	20.86	14.25	9.14	5.46	13.64
11.70	3.72	1.15	22.87	14.30	9.16	5.48	13.39
11.75	3.88	1.25	25.37	14.35	9.19	5.50	13.14
11.80	4.04	1.36	28.36	14.40	9.21	5.52	12.91
11.85	4.27	1.51	31.88	14.45	9.23	5.54	12.67
11.90	4.49	1.67	36.10	14.50	9.25	5.55	12.44
11.95	4.88	1.94	41.42	14.55	9.27	5.57	12.22
12.00	5.26	2.23	48.38	14.60	9.29	5.59	12.00
12.05	5.91	2.73	57.67	14.65	9.31	5.61	11.78
12.10	6.55	3.25	70.78	14.70	9.32	5.62	11.57
12.15	6.77	3.43	88.55	14.75	9.34	5.64	11.35
12.20	7.00	3.62	110.00	14.80	9.36	5.65	11.13
12.25	7.16	3.75	131.82	14.85	9.38	5.67	10.91
12.30	7.32	3.89	148.99	14.90	9.40	5.68	10.69
12.35	7.44	3.98	**157.06**	14.95	9.41	5.70	10.48
12.40	7.55	4.08	156.01	15.00	9.43	5.71	10.26
12.45	7.67	4.18	148.18	15.05	9.44	5.73	10.05
12.50	7.78	4.27	135.67	15.10	9.46	5.74	9.83
12.55	7.85	4.34	121.17	15.15	9.47	5.75	9.61
12.60	7.92	4.40	107.25	15.20	9.49	5.77	9.39
12.65	7.99	4.46	95.44	15.25	9.50	5.78	9.19
12.70	8.06	4.51	85.14	15.30	9.52	5.79	8.99
12.75	8.12	4.57	75.93	15.35	9.53	5.81	8.82
12.80	8.18	4.62	67.75	15.40	9.55	5.82	8.66
12.85	8.24	4.67	60.69	15.45	9.56	5.83	8.53
12.90	8.29	4.72	54.63	15.50	9.58	5.85	8.41
12.95	8.34	4.76	49.46	15.55	9.59	5.86	8.31

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.87	8.22	18.20	10.20	6.41	5.12
15.65	9.62	5.89	8.14	18.25	10.21	6.41	5.06
15.70	9.64	5.90	8.06	18.30	10.22	6.42	5.01
15.75	9.65	5.91	7.99	18.35	10.23	6.43	4.96
15.80	9.66	5.92	7.92	18.40	10.24	6.44	4.92
15.85	9.68	5.94	7.86	18.45	10.24	6.44	4.88
15.90	9.69	5.95	7.79	18.50	10.25	6.45	4.85
15.95	9.70	5.96	7.73	18.55	10.26	6.46	4.83
16.00	9.72	5.97	7.67	18.60	10.27	6.47	4.80
16.05	9.73	5.98	7.61	18.65	10.28	6.48	4.78
16.10	9.74	6.00	7.55	18.70	10.29	6.48	4.76
16.15	9.76	6.01	7.49	18.75	10.30	6.49	4.74
16.20	9.77	6.02	7.43	18.80	10.30	6.50	4.73
16.25	9.78	6.03	7.38	18.85	10.31	6.51	4.71
16.30	9.80	6.04	7.32	18.90	10.32	6.51	4.69
16.35	9.81	6.05	7.26	18.95	10.33	6.52	4.68
16.40	9.82	6.06	7.21	19.00	10.34	6.53	4.66
16.45	9.83	6.08	7.15	19.05	10.35	6.54	4.65
16.50	9.85	6.09	7.09	19.10	10.35	6.54	4.63
16.55	9.86	6.10	7.03	19.15	10.36	6.55	4.62
16.60	9.87	6.11	6.97	19.20	10.37	6.56	4.60
16.65	9.88	6.12	6.92	19.25	10.38	6.57	4.59
16.70	9.89	6.13	6.86	19.30	10.39	6.57	4.58
16.75	9.91	6.14	6.80	19.35	10.40	6.58	4.56
16.80	9.92	6.15	6.75	19.40	10.40	6.59	4.55
16.85	9.93	6.16	6.69	19.45	10.41	6.60	4.53
16.90	9.94	6.17	6.63	19.50	10.42	6.60	4.52
16.95	9.95	6.18	6.57	19.55	10.43	6.61	4.50
17.00	9.96	6.19	6.51	19.60	10.44	6.62	4.49
17.05	9.97	6.20	6.46	19.65	10.44	6.63	4.47
17.10	9.99	6.21	6.40	19.70	10.45	6.63	4.46
17.15	10.00	6.22	6.34	19.75	10.46	6.64	4.45
17.20	10.01	6.23	6.29	19.80	10.47	6.65	4.43
17.25	10.02	6.24	6.23	19.85	10.48	6.65	4.42
17.30	10.03	6.25	6.17	19.90	10.48	6.66	4.40
17.35	10.04	6.26	6.11	19.95	10.49	6.67	4.39
17.40	10.05	6.27	6.05	20.00	10.50	6.68	4.38
17.45	10.06	6.28	5.99	20.05	10.51	6.68	4.37
17.50	10.07	6.29	5.93	20.10	10.52	6.69	4.35
17.55	10.08	6.30	5.87	20.15	10.52	6.70	4.34
17.60	10.09	6.31	5.82	20.20	10.53	6.70	4.32
17.65	10.10	6.31	5.76	20.25	10.54	6.71	4.30
17.70	10.11	6.32	5.70	20.30	10.55	6.72	4.29
17.75	10.12	6.33	5.64	20.35	10.55	6.72	4.27
17.80	10.13	6.34	5.59	20.40	10.56	6.73	4.26
17.85	10.14	6.35	5.53	20.45	10.57	6.74	4.24
17.90	10.15	6.36	5.47	20.50	10.58	6.75	4.23
17.95	10.16	6.37	5.41	20.55	10.58	6.75	4.21
18.00	10.17	6.37	5.35	20.60	10.59	6.76	4.20
18.05	10.17	6.38	5.29	20.65	10.60	6.77	4.19
18.10	10.18	6.39	5.23	20.70	10.61	6.77	4.17
18.15	10.19	6.40	5.18	20.75	10.61	6.78	4.16

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.79	4.15	23.40	10.97	7.10	3.38
20.85	10.63	6.79	4.13	23.45	10.97	7.11	3.37
20.90	10.64	6.80	4.12	23.50	10.98	7.11	3.35
20.95	10.64	6.81	4.10	23.55	10.99	7.12	3.34
21.00	10.65	6.81	4.09	23.60	10.99	7.12	3.32
21.05	10.66	6.82	4.07	23.65	11.00	7.13	3.31
21.10	10.66	6.83	4.06	23.70	11.00	7.13	3.29
21.15	10.67	6.83	4.04	23.75	11.01	7.14	3.28
21.20	10.68	6.84	4.02	23.80	11.01	7.14	3.26
21.25	10.69	6.84	4.01	23.85	11.02	7.15	3.25
21.30	10.69	6.85	4.00	23.90	11.03	7.15	3.24
21.35	10.70	6.86	3.98	23.95	11.03	7.16	3.22
21.40	10.71	6.86	3.97	24.00	**11.04**	**7.17**	3.22
21.45	10.71	6.87	3.96	24.05	11.04	7.17	3.22
21.50	10.72	6.88	3.94	24.10	11.04	7.17	3.21
21.55	10.73	6.88	3.93	24.15	11.04	7.17	3.16
21.60	10.74	6.89	3.91	24.20	11.04	7.17	2.99
21.65	10.74	6.90	3.90	24.25	11.04	7.17	2.70
21.70	10.75	6.90	3.88	24.30	11.04	7.17	2.32
21.75	10.76	6.91	3.87	24.35	11.04	7.17	1.90
21.80	10.76	6.91	3.85	24.40	11.04	7.17	1.49
21.85	10.77	6.92	3.84	24.45	11.04	7.17	1.13
21.90	10.78	6.93	3.82	24.50	11.04	7.17	0.85
21.95	10.78	6.93	3.81	24.55	11.04	7.17	0.64
22.00	10.79	6.94	3.80	24.60	11.04	7.17	0.48
22.05	10.80	6.95	3.78	24.65	11.04	7.17	0.36
22.10	10.80	6.95	3.77	24.70	11.04	7.17	0.27
22.15	10.81	6.96	3.75	24.75	11.04	7.17	0.21
22.20	10.82	6.96	3.74	24.80	11.04	7.17	0.16
22.25	10.82	6.97	3.72	24.85	11.04	7.17	0.12
22.30	10.83	6.98	3.71	24.90	11.04	7.17	0.09
22.35	10.84	6.98	3.69	24.95	11.04	7.17	0.06
22.40	10.84	6.99	3.68	25.00	11.04	7.17	0.05
22.45	10.85	6.99	3.67	25.05	11.04	7.17	0.04
22.50	10.86	7.00	3.65	25.10	11.04	7.17	0.03
22.55	10.86	7.01	3.63	25.15	11.04	7.17	0.02
22.60	10.87	7.01	3.62	25.20	11.04	7.17	0.01
22.65	10.88	7.02	3.60	25.25	11.04	7.17	0.01
22.70	10.88	7.02	3.59	25.30	11.04	7.17	0.01
22.75	10.89	7.03	3.57	25.35	11.04	7.17	0.00
22.80	10.89	7.03	3.56	25.40	11.04	7.17	0.00
22.85	10.90	7.04	3.55	25.45	11.04	7.17	0.00
22.90	10.91	7.05	3.53	25.50	11.04	7.17	0.00
22.95	10.91	7.05	3.52	25.55	11.04	7.17	0.00
23.00	10.92	7.06	3.50	25.60	11.04	7.17	0.00
23.05	10.93	7.06	3.48	25.65	11.04	7.17	0.00
23.10	10.93	7.07	3.47	25.70	11.04	7.17	0.00
23.15	10.94	7.07	3.46	25.75	11.04	7.17	0.00
23.20	10.94	7.08	3.44	25.80	11.04	7.17	0.00
23.25	10.95	7.08	3.43	25.85	11.04	7.17	0.00
23.30	10.96	7.09	3.41	25.90	11.04	7.17	0.00
23.35	10.96	7.10	3.40	25.95	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.17	0.00	28.60	11.04	7.17	0.00
26.05	11.04	7.17	0.00	28.65	11.04	7.17	0.00
26.10	11.04	7.17	0.00	28.70	11.04	7.17	0.00
26.15	11.04	7.17	0.00	28.75	11.04	7.17	0.00
26.20	11.04	7.17	0.00	28.80	11.04	7.17	0.00
26.25	11.04	7.17	0.00	28.85	11.04	7.17	0.00
26.30	11.04	7.17	0.00	28.90	11.04	7.17	0.00
26.35	11.04	7.17	0.00	28.95	11.04	7.17	0.00
26.40	11.04	7.17	0.00	29.00	11.04	7.17	0.00
26.45	11.04	7.17	0.00	29.05	11.04	7.17	0.00
26.50	11.04	7.17	0.00	29.10	11.04	7.17	0.00
26.55	11.04	7.17	0.00	29.15	11.04	7.17	0.00
26.60	11.04	7.17	0.00	29.20	11.04	7.17	0.00
26.65	11.04	7.17	0.00	29.25	11.04	7.17	0.00
26.70	11.04	7.17	0.00	29.30	11.04	7.17	0.00
26.75	11.04	7.17	0.00	29.35	11.04	7.17	0.00
26.80	11.04	7.17	0.00	29.40	11.04	7.17	0.00
26.85	11.04	7.17	0.00	29.45	11.04	7.17	0.00
26.90	11.04	7.17	0.00	29.50	11.04	7.17	0.00
26.95	11.04	7.17	0.00	29.55	11.04	7.17	0.00
27.00	11.04	7.17	0.00	29.60	11.04	7.17	0.00
27.05	11.04	7.17	0.00	29.65	11.04	7.17	0.00
27.10	11.04	7.17	0.00	29.70	11.04	7.17	0.00
27.15	11.04	7.17	0.00	29.75	11.04	7.17	0.00
27.20	11.04	7.17	0.00	29.80	11.04	7.17	0.00
27.25	11.04	7.17	0.00	29.85	11.04	7.17	0.00
27.30	11.04	7.17	0.00	29.90	11.04	7.17	0.00
27.35	11.04	7.17	0.00	29.95	11.04	7.17	0.00
27.40	11.04	7.17	0.00	30.00	11.04	7.17	0.00
27.45	11.04	7.17	0.00	30.05	11.04	7.17	0.00
27.50	11.04	7.17	0.00	30.10	11.04	7.17	0.00
27.55	11.04	7.17	0.00	30.15	11.04	7.17	0.00
27.60	11.04	7.17	0.00	30.20	11.04	7.17	0.00
27.65	11.04	7.17	0.00	30.25	11.04	7.17	0.00
27.70	11.04	7.17	0.00	30.30	11.04	7.17	0.00
27.75	11.04	7.17	0.00	30.35	11.04	7.17	0.00
27.80	11.04	7.17	0.00	30.40	11.04	7.17	0.00
27.85	11.04	7.17	0.00	30.45	11.04	7.17	0.00
27.90	11.04	7.17	0.00	30.50	11.04	7.17	0.00
27.95	11.04	7.17	0.00	30.55	11.04	7.17	0.00
28.00	11.04	7.17	0.00	30.60	11.04	7.17	0.00
28.05	11.04	7.17	0.00	30.65	11.04	7.17	0.00
28.10	11.04	7.17	0.00	30.70	11.04	7.17	0.00
28.15	11.04	7.17	0.00	30.75	11.04	7.17	0.00
28.20	11.04	7.17	0.00	30.80	11.04	7.17	0.00
28.25	11.04	7.17	0.00	30.85	11.04	7.17	0.00
28.30	11.04	7.17	0.00	30.90	11.04	7.17	0.00
28.35	11.04	7.17	0.00	30.95	11.04	7.17	0.00
28.40	11.04	7.17	0.00	31.00	11.04	7.17	0.00
28.45	11.04	7.17	0.00	31.05	11.04	7.17	0.00
28.50	11.04	7.17	0.00	31.10	11.04	7.17	0.00
28.55	11.04	7.17	0.00	31.15	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.17	0.00	33.80	11.04	7.17	0.00
31.25	11.04	7.17	0.00	33.85	11.04	7.17	0.00
31.30	11.04	7.17	0.00	33.90	11.04	7.17	0.00
31.35	11.04	7.17	0.00	33.95	11.04	7.17	0.00
31.40	11.04	7.17	0.00	34.00	11.04	7.17	0.00
31.45	11.04	7.17	0.00	34.05	11.04	7.17	0.00
31.50	11.04	7.17	0.00	34.10	11.04	7.17	0.00
31.55	11.04	7.17	0.00	34.15	11.04	7.17	0.00
31.60	11.04	7.17	0.00	34.20	11.04	7.17	0.00
31.65	11.04	7.17	0.00	34.25	11.04	7.17	0.00
31.70	11.04	7.17	0.00	34.30	11.04	7.17	0.00
31.75	11.04	7.17	0.00	34.35	11.04	7.17	0.00
31.80	11.04	7.17	0.00	34.40	11.04	7.17	0.00
31.85	11.04	7.17	0.00	34.45	11.04	7.17	0.00
31.90	11.04	7.17	0.00	34.50	11.04	7.17	0.00
31.95	11.04	7.17	0.00	34.55	11.04	7.17	0.00
32.00	11.04	7.17	0.00	34.60	11.04	7.17	0.00
32.05	11.04	7.17	0.00	34.65	11.04	7.17	0.00
32.10	11.04	7.17	0.00	34.70	11.04	7.17	0.00
32.15	11.04	7.17	0.00	34.75	11.04	7.17	0.00
32.20	11.04	7.17	0.00	34.80	11.04	7.17	0.00
32.25	11.04	7.17	0.00	34.85	11.04	7.17	0.00
32.30	11.04	7.17	0.00	34.90	11.04	7.17	0.00
32.35	11.04	7.17	0.00	34.95	11.04	7.17	0.00
32.40	11.04	7.17	0.00	35.00	11.04	7.17	0.00
32.45	11.04	7.17	0.00	35.05	11.04	7.17	0.00
32.50	11.04	7.17	0.00	35.10	11.04	7.17	0.00
32.55	11.04	7.17	0.00	35.15	11.04	7.17	0.00
32.60	11.04	7.17	0.00	35.20	11.04	7.17	0.00
32.65	11.04	7.17	0.00	35.25	11.04	7.17	0.00
32.70	11.04	7.17	0.00	35.30	11.04	7.17	0.00
32.75	11.04	7.17	0.00	35.35	11.04	7.17	0.00
32.80	11.04	7.17	0.00	35.40	11.04	7.17	0.00
32.85	11.04	7.17	0.00	35.45	11.04	7.17	0.00
32.90	11.04	7.17	0.00	35.50	11.04	7.17	0.00
32.95	11.04	7.17	0.00	35.55	11.04	7.17	0.00
33.00	11.04	7.17	0.00	35.60	11.04	7.17	0.00
33.05	11.04	7.17	0.00	35.65	11.04	7.17	0.00
33.10	11.04	7.17	0.00	35.70	11.04	7.17	0.00
33.15	11.04	7.17	0.00	35.75	11.04	7.17	0.00
33.20	11.04	7.17	0.00	35.80	11.04	7.17	0.00
33.25	11.04	7.17	0.00	35.85	11.04	7.17	0.00
33.30	11.04	7.17	0.00	35.90	11.04	7.17	0.00
33.35	11.04	7.17	0.00	35.95	11.04	7.17	0.00
33.40	11.04	7.17	0.00	36.00	11.04	7.17	0.00
33.45	11.04	7.17	0.00	36.05	11.04	7.17	0.00
33.50	11.04	7.17	0.00	36.10	11.04	7.17	0.00
33.55	11.04	7.17	0.00	36.15	11.04	7.17	0.00
33.60	11.04	7.17	0.00	36.20	11.04	7.17	0.00
33.65	11.04	7.17	0.00	36.25	11.04	7.17	0.00
33.70	11.04	7.17	0.00	36.30	11.04	7.17	0.00
33.75	11.04	7.17	0.00	36.35	11.04	7.17	0.00

Hydrograph for Subcatchment X-6PO: XDA-6 (offsite pervious) (continued)

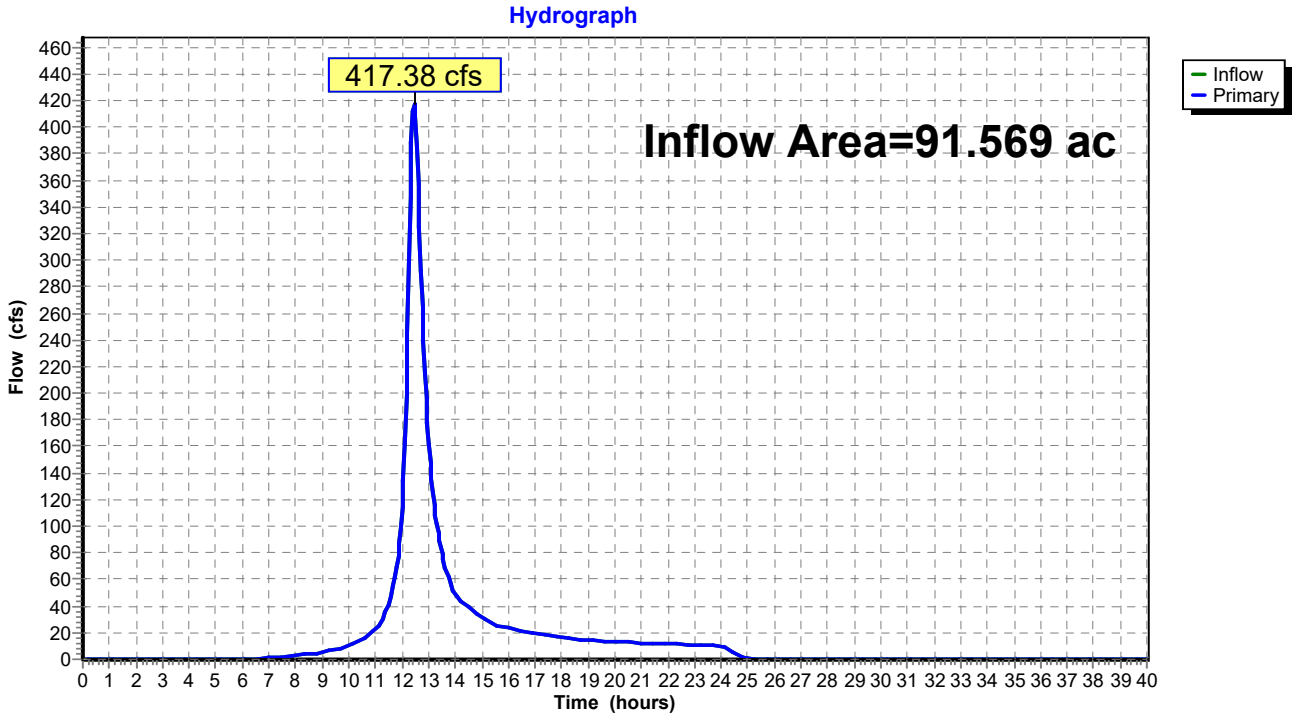
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.17	0.00
36.45	11.04	7.17	0.00
36.50	11.04	7.17	0.00
36.55	11.04	7.17	0.00
36.60	11.04	7.17	0.00
36.65	11.04	7.17	0.00
36.70	11.04	7.17	0.00
36.75	11.04	7.17	0.00
36.80	11.04	7.17	0.00
36.85	11.04	7.17	0.00
36.90	11.04	7.17	0.00
36.95	11.04	7.17	0.00
37.00	11.04	7.17	0.00
37.05	11.04	7.17	0.00
37.10	11.04	7.17	0.00
37.15	11.04	7.17	0.00
37.20	11.04	7.17	0.00
37.25	11.04	7.17	0.00
37.30	11.04	7.17	0.00
37.35	11.04	7.17	0.00
37.40	11.04	7.17	0.00
37.45	11.04	7.17	0.00
37.50	11.04	7.17	0.00
37.55	11.04	7.17	0.00
37.60	11.04	7.17	0.00
37.65	11.04	7.17	0.00
37.70	11.04	7.17	0.00
37.75	11.04	7.17	0.00
37.80	11.04	7.17	0.00
37.85	11.04	7.17	0.00
37.90	11.04	7.17	0.00
37.95	11.04	7.17	0.00
38.00	11.04	7.17	0.00
38.05	11.04	7.17	0.00
38.10	11.04	7.17	0.00
38.15	11.04	7.17	0.00
38.20	11.04	7.17	0.00
38.25	11.04	7.17	0.00
38.30	11.04	7.17	0.00
38.35	11.04	7.17	0.00
38.40	11.04	7.17	0.00
38.45	11.04	7.17	0.00
38.50	11.04	7.17	0.00
38.55	11.04	7.17	0.00
38.60	11.04	7.17	0.00
38.65	11.04	7.17	0.00
38.70	11.04	7.17	0.00
38.75	11.04	7.17	0.00
38.80	11.04	7.17	0.00
38.85	11.04	7.17	0.00
38.90	11.04	7.17	0.00
38.95	11.04	7.17	0.00
39.00	11.04	7.17	0.00
39.05	11.04	7.17	0.00
39.10	11.04	7.17	0.00
39.15	11.04	7.17	0.00
39.20	11.04	7.17	0.00
39.25	11.04	7.17	0.00
39.30	11.04	7.17	0.00
39.35	11.04	7.17	0.00
39.40	11.04	7.17	0.00
39.45	11.04	7.17	0.00
39.50	11.04	7.17	0.00
39.55	11.04	7.17	0.00
39.60	11.04	7.17	0.00
39.65	11.04	7.17	0.00
39.70	11.04	7.17	0.00
39.75	11.04	7.17	0.00
39.80	11.04	7.17	0.00
39.85	11.04	7.17	0.00
39.90	11.04	7.17	0.00
39.95	11.04	7.17	0.00
40.00	11.04	7.17	0.00

Summary for Link XDA-1: Existing Drainage Area #1

Inflow Area = 91.569 ac, 2.88% Impervious, Inflow Depth = 6.83" for Future 100 yr event
Inflow = 417.38 cfs @ 12.44 hrs, Volume= 52.130 af
Primary = 417.38 cfs @ 12.44 hrs, Volume= 52.130 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1: Existing Drainage Area #1



Hydrograph for Link XDA-1: Existing Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.12	0.00	0.12
0.05	0.00	0.00	0.00	2.65	0.13	0.00	0.13
0.10	0.00	0.00	0.00	2.70	0.14	0.00	0.14
0.15	0.00	0.00	0.00	2.75	0.14	0.00	0.14
0.20	0.00	0.00	0.00	2.80	0.15	0.00	0.15
0.25	0.00	0.00	0.00	2.85	0.16	0.00	0.16
0.30	0.00	0.00	0.00	2.90	0.17	0.00	0.17
0.35	0.00	0.00	0.00	2.95	0.18	0.00	0.18
0.40	0.00	0.00	0.00	3.00	0.18	0.00	0.18
0.45	0.00	0.00	0.00	3.05	0.19	0.00	0.19
0.50	0.00	0.00	0.00	3.10	0.20	0.00	0.20
0.55	0.00	0.00	0.00	3.15	0.21	0.00	0.21
0.60	0.00	0.00	0.00	3.20	0.21	0.00	0.21
0.65	0.00	0.00	0.00	3.25	0.22	0.00	0.22
0.70	0.00	0.00	0.00	3.30	0.23	0.00	0.23
0.75	0.00	0.00	0.00	3.35	0.24	0.00	0.24
0.80	0.00	0.00	0.00	3.40	0.24	0.00	0.24
0.85	0.00	0.00	0.00	3.45	0.25	0.00	0.25
0.90	0.00	0.00	0.00	3.50	0.26	0.00	0.26
0.95	0.00	0.00	0.00	3.55	0.26	0.00	0.26
1.00	0.00	0.00	0.00	3.60	0.27	0.00	0.27
1.05	0.00	0.00	0.00	3.65	0.28	0.00	0.28
1.10	0.00	0.00	0.00	3.70	0.29	0.00	0.29
1.15	0.00	0.00	0.00	3.75	0.29	0.00	0.29
1.20	0.00	0.00	0.00	3.80	0.30	0.00	0.30
1.25	0.00	0.00	0.00	3.85	0.31	0.00	0.31
1.30	0.00	0.00	0.00	3.90	0.31	0.00	0.31
1.35	0.00	0.00	0.00	3.95	0.32	0.00	0.32
1.40	0.00	0.00	0.00	4.00	0.33	0.00	0.33
1.45	0.00	0.00	0.00	4.05	0.33	0.00	0.33
1.50	0.00	0.00	0.00	4.10	0.34	0.00	0.34
1.55	0.00	0.00	0.00	4.15	0.35	0.00	0.35
1.60	0.00	0.00	0.00	4.20	0.35	0.00	0.35
1.65	0.00	0.00	0.00	4.25	0.36	0.00	0.36
1.70	0.00	0.00	0.00	4.30	0.37	0.00	0.37
1.75	0.00	0.00	0.00	4.35	0.37	0.00	0.37
1.80	0.01	0.00	0.01	4.40	0.38	0.00	0.38
1.85	0.01	0.00	0.01	4.45	0.38	0.00	0.38
1.90	0.01	0.00	0.01	4.50	0.39	0.00	0.39
1.95	0.02	0.00	0.02	4.55	0.40	0.00	0.40
2.00	0.03	0.00	0.03	4.60	0.40	0.00	0.40
2.05	0.03	0.00	0.03	4.65	0.41	0.00	0.41
2.10	0.04	0.00	0.04	4.70	0.42	0.00	0.42
2.15	0.05	0.00	0.05	4.75	0.42	0.00	0.42
2.20	0.06	0.00	0.06	4.80	0.43	0.00	0.43
2.25	0.06	0.00	0.06	4.85	0.43	0.00	0.43
2.30	0.07	0.00	0.07	4.90	0.44	0.00	0.44
2.35	0.08	0.00	0.08	4.95	0.45	0.00	0.45
2.40	0.09	0.00	0.09	5.00	0.45	0.00	0.45
2.45	0.10	0.00	0.10	5.05	0.46	0.00	0.46
2.50	0.10	0.00	0.10	5.10	0.46	0.00	0.46
2.55	0.11	0.00	0.11	5.15	0.47	0.00	0.47

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.47	0.00	0.47	7.80	1.97	0.00	1.97
5.25	0.48	0.00	0.48	7.85	2.08	0.00	2.08
5.30	0.49	0.00	0.49	7.90	2.20	0.00	2.20
5.35	0.49	0.00	0.49	7.95	2.31	0.00	2.31
5.40	0.50	0.00	0.50	8.00	2.43	0.00	2.43
5.45	0.50	0.00	0.50	8.05	2.55	0.00	2.55
5.50	0.51	0.00	0.51	8.10	2.67	0.00	2.67
5.55	0.51	0.00	0.51	8.15	2.79	0.00	2.79
5.60	0.52	0.00	0.52	8.20	2.92	0.00	2.92
5.65	0.52	0.00	0.52	8.25	3.04	0.00	3.04
5.70	0.53	0.00	0.53	8.30	3.17	0.00	3.17
5.75	0.53	0.00	0.53	8.35	3.30	0.00	3.30
5.80	0.54	0.00	0.54	8.40	3.43	0.00	3.43
5.85	0.55	0.00	0.55	8.45	3.57	0.00	3.57
5.90	0.55	0.00	0.55	8.50	3.70	0.00	3.70
5.95	0.56	0.00	0.56	8.55	3.84	0.00	3.84
6.00	0.56	0.00	0.56	8.60	3.98	0.00	3.98
6.05	0.57	0.00	0.57	8.65	4.12	0.00	4.12
6.10	0.57	0.00	0.57	8.70	4.27	0.00	4.27
6.15	0.58	0.00	0.58	8.75	4.41	0.00	4.41
6.20	0.58	0.00	0.58	8.80	4.55	0.00	4.55
6.25	0.59	0.00	0.59	8.85	4.71	0.00	4.71
6.30	0.60	0.00	0.60	8.90	4.86	0.00	4.86
6.35	0.60	0.00	0.60	8.95	5.01	0.00	5.01
6.40	0.61	0.00	0.61	9.00	5.16	0.00	5.16
6.45	0.62	0.00	0.62	9.05	5.32	0.00	5.32
6.50	0.63	0.00	0.63	9.10	5.47	0.00	5.47
6.55	0.64	0.00	0.64	9.15	5.64	0.00	5.64
6.60	0.65	0.00	0.65	9.20	5.81	0.00	5.81
6.65	0.66	0.00	0.66	9.25	5.99	0.00	5.99
6.70	0.67	0.00	0.67	9.30	6.19	0.00	6.19
6.75	0.68	0.00	0.68	9.35	6.40	0.00	6.40
6.80	0.69	0.00	0.69	9.40	6.64	0.00	6.64
6.85	0.70	0.00	0.70	9.45	6.89	0.00	6.89
6.90	0.72	0.00	0.72	9.50	7.15	0.00	7.15
6.95	0.74	0.00	0.74	9.55	7.44	0.00	7.44
7.00	0.76	0.00	0.76	9.60	7.74	0.00	7.74
7.05	0.79	0.00	0.79	9.65	8.05	0.00	8.05
7.10	0.82	0.00	0.82	9.70	8.38	0.00	8.38
7.15	0.87	0.00	0.87	9.75	8.72	0.00	8.72
7.20	0.92	0.00	0.92	9.80	9.07	0.00	9.07
7.25	0.98	0.00	0.98	9.85	9.43	0.00	9.43
7.30	1.04	0.00	1.04	9.90	9.81	0.00	9.81
7.35	1.12	0.00	1.12	9.95	10.19	0.00	10.19
7.40	1.20	0.00	1.20	10.00	10.58	0.00	10.58
7.45	1.28	0.00	1.28	10.05	10.98	0.00	10.98
7.50	1.37	0.00	1.37	10.10	11.40	0.00	11.40
7.55	1.46	0.00	1.46	10.15	11.82	0.00	11.82
7.60	1.56	0.00	1.56	10.20	12.25	0.00	12.25
7.65	1.66	0.00	1.66	10.25	12.70	0.00	12.70
7.70	1.76	0.00	1.76	10.30	13.15	0.00	13.15
7.75	1.87	0.00	1.87	10.35	13.61	0.00	13.61

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	14.08	0.00	14.08	13.00	161.72	0.00	161.72
10.45	14.56	0.00	14.56	13.05	147.87	0.00	147.87
10.50	15.05	0.00	15.05	13.10	135.88	0.00	135.88
10.55	15.55	0.00	15.55	13.15	125.56	0.00	125.56
10.60	16.07	0.00	16.07	13.20	116.50	0.00	116.50
10.65	16.61	0.00	16.61	13.25	108.42	0.00	108.42
10.70	17.21	0.00	17.21	13.30	101.24	0.00	101.24
10.75	17.88	0.00	17.88	13.35	94.81	0.00	94.81
10.80	18.65	0.00	18.65	13.40	88.94	0.00	88.94
10.85	19.51	0.00	19.51	13.45	83.69	0.00	83.69
10.90	20.50	0.00	20.50	13.50	79.01	0.00	79.01
10.95	21.59	0.00	21.59	13.55	74.74	0.00	74.74
11.00	22.79	0.00	22.79	13.60	70.81	0.00	70.81
11.05	24.09	0.00	24.09	13.65	67.19	0.00	67.19
11.10	25.49	0.00	25.49	13.70	63.80	0.00	63.80
11.15	26.99	0.00	26.99	13.75	60.57	0.00	60.57
11.20	28.62	0.00	28.62	13.80	57.61	0.00	57.61
11.25	30.42	0.00	30.42	13.85	54.96	0.00	54.96
11.30	32.40	0.00	32.40	13.90	52.59	0.00	52.59
11.35	34.56	0.00	34.56	13.95	50.53	0.00	50.53
11.40	36.94	0.00	36.94	14.00	48.75	0.00	48.75
11.45	39.54	0.00	39.54	14.05	47.19	0.00	47.19
11.50	42.31	0.00	42.31	14.10	45.80	0.00	45.80
11.55	45.28	0.00	45.28	14.15	44.58	0.00	44.58
11.60	48.59	0.00	48.59	14.20	43.52	0.00	43.52
11.65	52.40	0.00	52.40	14.25	42.52	0.00	42.52
11.70	56.93	0.00	56.93	14.30	41.60	0.00	41.60
11.75	62.49	0.00	62.49	14.35	40.77	0.00	40.77
11.80	69.29	0.00	69.29	14.40	39.97	0.00	39.97
11.85	77.38	0.00	77.38	14.45	39.19	0.00	39.19
11.90	87.09	0.00	87.09	14.50	38.46	0.00	38.46
11.95	99.01	0.00	99.01	14.55	37.75	0.00	37.75
12.00	114.16	0.00	114.16	14.60	37.04	0.00	37.04
12.05	134.27	0.00	134.27	14.65	36.35	0.00	36.35
12.10	161.61	0.00	161.61	14.70	35.68	0.00	35.68
12.15	198.63	0.00	198.63	14.75	35.02	0.00	35.02
12.20	245.29	0.00	245.29	14.80	34.34	0.00	34.34
12.25	297.42	0.00	297.42	14.85	33.69	0.00	33.69
12.30	348.12	0.00	348.12	14.90	33.04	0.00	33.04
12.35	388.74	0.00	388.74	14.95	32.39	0.00	32.39
12.40	411.50	0.00	411.50	15.00	31.73	0.00	31.73
12.45	**417.25**	0.00	**417.25**	15.05	31.09	0.00	31.09
12.50	407.59	0.00	407.59	15.10	30.44	0.00	30.44
12.55	386.04	0.00	386.04	15.15	29.78	0.00	29.78
12.60	357.20	0.00	357.20	15.20	29.15	0.00	29.15
12.65	324.99	0.00	324.99	15.25	28.53	0.00	28.53
12.70	292.98	0.00	292.98	15.30	27.91	0.00	27.91
12.75	264.50	0.00	264.50	15.35	27.33	0.00	27.33
12.80	239.07	0.00	239.07	15.40	26.80	0.00	26.80
12.85	216.19	0.00	216.19	15.45	26.32	0.00	26.32
12.90	195.61	0.00	195.61	15.50	25.88	0.00	25.88
12.95	177.45	0.00	177.45	15.55	25.50	0.00	25.50

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	25.17	0.00	25.17	18.20	15.62	0.00	15.62
15.65	24.86	0.00	24.86	18.25	15.45	0.00	15.45
15.70	24.59	0.00	24.59	18.30	15.29	0.00	15.29
15.75	24.35	0.00	24.35	18.35	15.13	0.00	15.13
15.80	24.11	0.00	24.11	18.40	14.99	0.00	14.99
15.85	23.88	0.00	23.88	18.45	14.85	0.00	14.85
15.90	23.68	0.00	23.68	18.50	14.74	0.00	14.74
15.95	23.47	0.00	23.47	18.55	14.64	0.00	14.64
16.00	23.27	0.00	23.27	18.60	14.55	0.00	14.55
16.05	23.08	0.00	23.08	18.65	14.47	0.00	14.47
16.10	22.90	0.00	22.90	18.70	14.40	0.00	14.40
16.15	22.71	0.00	22.71	18.75	14.33	0.00	14.33
16.20	22.53	0.00	22.53	18.80	14.27	0.00	14.27
16.25	22.36	0.00	22.36	18.85	14.22	0.00	14.22
16.30	22.19	0.00	22.19	18.90	14.16	0.00	14.16
16.35	22.01	0.00	22.01	18.95	14.11	0.00	14.11
16.40	21.84	0.00	21.84	19.00	14.06	0.00	14.06
16.45	21.68	0.00	21.68	19.05	14.01	0.00	14.01
16.50	21.50	0.00	21.50	19.10	13.96	0.00	13.96
16.55	21.32	0.00	21.32	19.15	13.92	0.00	13.92
16.60	21.16	0.00	21.16	19.20	13.88	0.00	13.88
16.65	20.98	0.00	20.98	19.25	13.83	0.00	13.83
16.70	20.80	0.00	20.80	19.30	13.78	0.00	13.78
16.75	20.63	0.00	20.63	19.35	13.74	0.00	13.74
16.80	20.47	0.00	20.47	19.40	13.70	0.00	13.70
16.85	20.29	0.00	20.29	19.45	13.65	0.00	13.65
16.90	20.12	0.00	20.12	19.50	13.61	0.00	13.61
16.95	19.96	0.00	19.96	19.55	13.57	0.00	13.57
17.00	19.78	0.00	19.78	19.60	13.52	0.00	13.52
17.05	19.60	0.00	19.60	19.65	13.48	0.00	13.48
17.10	19.43	0.00	19.43	19.70	13.44	0.00	13.44
17.15	19.27	0.00	19.27	19.75	13.39	0.00	13.39
17.20	19.09	0.00	19.09	19.80	13.35	0.00	13.35
17.25	18.92	0.00	18.92	19.85	13.31	0.00	13.31
17.30	18.76	0.00	18.76	19.90	13.27	0.00	13.27
17.35	18.58	0.00	18.58	19.95	13.23	0.00	13.23
17.40	18.40	0.00	18.40	20.00	13.19	0.00	13.19
17.45	18.23	0.00	18.23	20.05	13.15	0.00	13.15
17.50	18.06	0.00	18.06	20.10	13.11	0.00	13.11
17.55	17.88	0.00	17.88	20.15	13.06	0.00	13.06
17.60	17.70	0.00	17.70	20.20	13.02	0.00	13.02
17.65	17.53	0.00	17.53	20.25	12.98	0.00	12.98
17.70	17.36	0.00	17.36	20.30	12.93	0.00	12.93
17.75	17.18	0.00	17.18	20.35	12.88	0.00	12.88
17.80	17.01	0.00	17.01	20.40	12.84	0.00	12.84
17.85	16.84	0.00	16.84	20.45	12.80	0.00	12.80
17.90	16.66	0.00	16.66	20.50	12.75	0.00	12.75
17.95	16.49	0.00	16.49	20.55	12.71	0.00	12.71
18.00	16.32	0.00	16.32	20.60	12.67	0.00	12.67
18.05	16.14	0.00	16.14	20.65	12.62	0.00	12.62
18.10	15.97	0.00	15.97	20.70	12.58	0.00	12.58
18.15	15.80	0.00	15.80	20.75	12.54	0.00	12.54

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	12.50	0.00	12.50	23.40	10.22	0.00	10.22
20.85	12.46	0.00	12.46	23.45	10.18	0.00	10.18
20.90	12.42	0.00	12.42	23.50	10.14	0.00	10.14
20.95	12.38	0.00	12.38	23.55	10.09	0.00	10.09
21.00	12.33	0.00	12.33	23.60	10.05	0.00	10.05
21.05	12.28	0.00	12.28	23.65	10.01	0.00	10.01
21.10	12.24	0.00	12.24	23.70	9.96	0.00	9.96
21.15	12.19	0.00	12.19	23.75	9.92	0.00	9.92
21.20	12.14	0.00	12.14	23.80	9.87	0.00	9.87
21.25	12.10	0.00	12.10	23.85	9.83	0.00	9.83
21.30	12.06	0.00	12.06	23.90	9.79	0.00	9.79
21.35	12.01	0.00	12.01	23.95	9.74	0.00	9.74
21.40	11.97	0.00	11.97	24.00	9.71	0.00	9.71
21.45	11.93	0.00	11.93	24.05	9.69	0.00	9.69
21.50	11.89	0.00	11.89	24.10	9.66	0.00	9.66
21.55	11.85	0.00	11.85	24.15	9.55	0.00	9.55
21.60	11.81	0.00	11.81	24.20	9.30	0.00	9.30
21.65	11.77	0.00	11.77	24.25	8.82	0.00	8.82
21.70	11.72	0.00	11.72	24.30	8.08	0.00	8.08
21.75	11.67	0.00	11.67	24.35	7.15	0.00	7.15
21.80	11.63	0.00	11.63	24.40	6.13	0.00	6.13
21.85	11.58	0.00	11.58	24.45	5.11	0.00	5.11
21.90	11.54	0.00	11.54	24.50	4.14	0.00	4.14
21.95	11.50	0.00	11.50	24.55	3.29	0.00	3.29
22.00	11.46	0.00	11.46	24.60	2.58	0.00	2.58
22.05	11.41	0.00	11.41	24.65	2.04	0.00	2.04
22.10	11.37	0.00	11.37	24.70	1.62	0.00	1.62
22.15	11.33	0.00	11.33	24.75	1.28	0.00	1.28
22.20	11.28	0.00	11.28	24.80	1.02	0.00	1.02
22.25	11.24	0.00	11.24	24.85	0.80	0.00	0.80
22.30	11.20	0.00	11.20	24.90	0.64	0.00	0.64
22.35	11.15	0.00	11.15	24.95	0.50	0.00	0.50
22.40	11.11	0.00	11.11	25.00	0.40	0.00	0.40
22.45	11.07	0.00	11.07	25.05	0.31	0.00	0.31
22.50	11.03	0.00	11.03	25.10	0.24	0.00	0.24
22.55	10.98	0.00	10.98	25.15	0.19	0.00	0.19
22.60	10.93	0.00	10.93	25.20	0.15	0.00	0.15
22.65	10.89	0.00	10.89	25.25	0.12	0.00	0.12
22.70	10.84	0.00	10.84	25.30	0.09	0.00	0.09
22.75	10.80	0.00	10.80	25.35	0.07	0.00	0.07
22.80	10.76	0.00	10.76	25.40	0.05	0.00	0.05
22.85	10.72	0.00	10.72	25.45	0.04	0.00	0.04
22.90	10.67	0.00	10.67	25.50	0.03	0.00	0.03
22.95	10.62	0.00	10.62	25.55	0.02	0.00	0.02
23.00	10.58	0.00	10.58	25.60	0.01	0.00	0.01
23.05	10.53	0.00	10.53	25.65	0.01	0.00	0.01
23.10	10.49	0.00	10.49	25.70	0.00	0.00	0.00
23.15	10.45	0.00	10.45	25.75	0.00	0.00	0.00
23.20	10.40	0.00	10.40	25.80	0.00	0.00	0.00
23.25	10.36	0.00	10.36	25.85	0.00	0.00	0.00
23.30	10.32	0.00	10.32	25.90	0.00	0.00	0.00
23.35	10.27	0.00	10.27	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1: Existing Drainage Area #1 (continued)

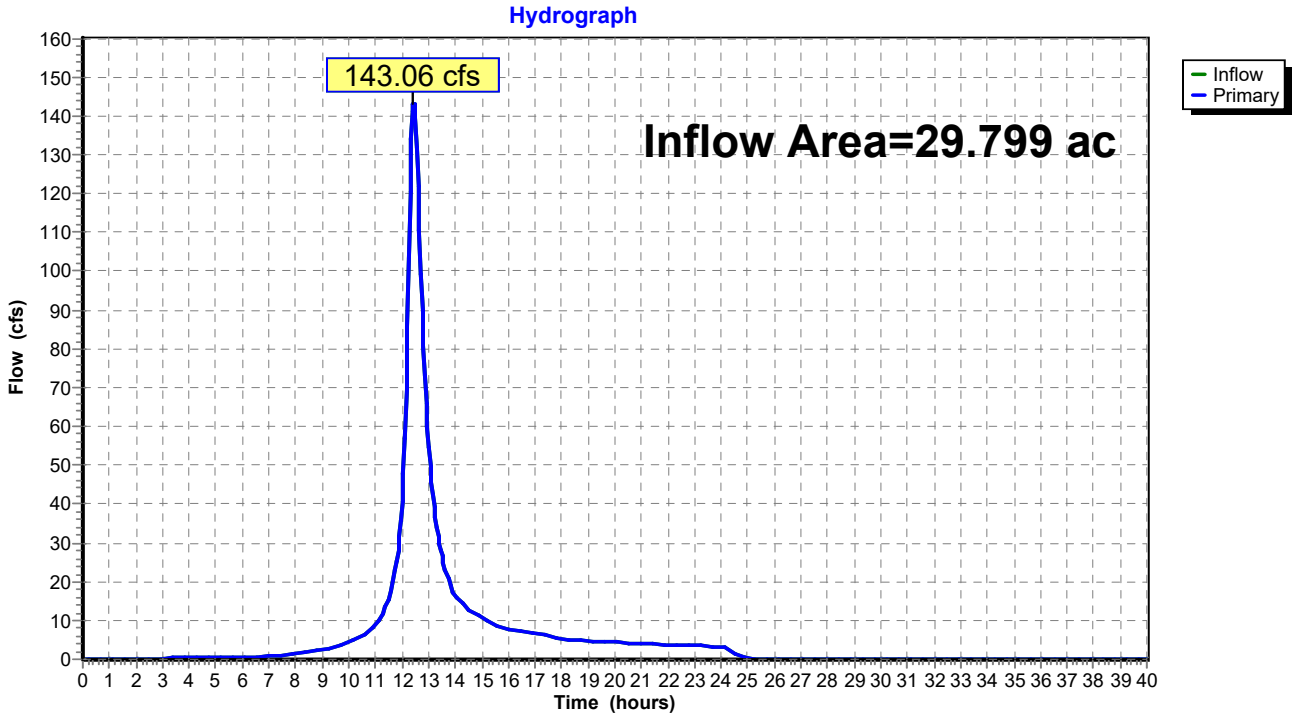
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-1O: XDA-1O

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 7.29" for Future 100 yr event
Inflow = 143.06 cfs @ 12.44 hrs, Volume= 18.113 af
Primary = 143.06 cfs @ 12.44 hrs, Volume= 18.113 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-1 : Existing Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-1O: XDA-1O



Hydrograph for Link XDA-1O: XDA-1O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.12	0.00	0.12
0.05	0.00	0.00	0.00	2.65	0.13	0.00	0.13
0.10	0.00	0.00	0.00	2.70	0.14	0.00	0.14
0.15	0.00	0.00	0.00	2.75	0.14	0.00	0.14
0.20	0.00	0.00	0.00	2.80	0.15	0.00	0.15
0.25	0.00	0.00	0.00	2.85	0.16	0.00	0.16
0.30	0.00	0.00	0.00	2.90	0.17	0.00	0.17
0.35	0.00	0.00	0.00	2.95	0.18	0.00	0.18
0.40	0.00	0.00	0.00	3.00	0.18	0.00	0.18
0.45	0.00	0.00	0.00	3.05	0.19	0.00	0.19
0.50	0.00	0.00	0.00	3.10	0.20	0.00	0.20
0.55	0.00	0.00	0.00	3.15	0.21	0.00	0.21
0.60	0.00	0.00	0.00	3.20	0.21	0.00	0.21
0.65	0.00	0.00	0.00	3.25	0.22	0.00	0.22
0.70	0.00	0.00	0.00	3.30	0.23	0.00	0.23
0.75	0.00	0.00	0.00	3.35	0.24	0.00	0.24
0.80	0.00	0.00	0.00	3.40	0.24	0.00	0.24
0.85	0.00	0.00	0.00	3.45	0.25	0.00	0.25
0.90	0.00	0.00	0.00	3.50	0.26	0.00	0.26
0.95	0.00	0.00	0.00	3.55	0.26	0.00	0.26
1.00	0.00	0.00	0.00	3.60	0.27	0.00	0.27
1.05	0.00	0.00	0.00	3.65	0.28	0.00	0.28
1.10	0.00	0.00	0.00	3.70	0.29	0.00	0.29
1.15	0.00	0.00	0.00	3.75	0.29	0.00	0.29
1.20	0.00	0.00	0.00	3.80	0.30	0.00	0.30
1.25	0.00	0.00	0.00	3.85	0.31	0.00	0.31
1.30	0.00	0.00	0.00	3.90	0.31	0.00	0.31
1.35	0.00	0.00	0.00	3.95	0.32	0.00	0.32
1.40	0.00	0.00	0.00	4.00	0.33	0.00	0.33
1.45	0.00	0.00	0.00	4.05	0.33	0.00	0.33
1.50	0.00	0.00	0.00	4.10	0.34	0.00	0.34
1.55	0.00	0.00	0.00	4.15	0.35	0.00	0.35
1.60	0.00	0.00	0.00	4.20	0.35	0.00	0.35
1.65	0.00	0.00	0.00	4.25	0.36	0.00	0.36
1.70	0.00	0.00	0.00	4.30	0.37	0.00	0.37
1.75	0.00	0.00	0.00	4.35	0.37	0.00	0.37
1.80	0.01	0.00	0.01	4.40	0.38	0.00	0.38
1.85	0.01	0.00	0.01	4.45	0.38	0.00	0.38
1.90	0.01	0.00	0.01	4.50	0.39	0.00	0.39
1.95	0.02	0.00	0.02	4.55	0.40	0.00	0.40
2.00	0.03	0.00	0.03	4.60	0.40	0.00	0.40
2.05	0.03	0.00	0.03	4.65	0.41	0.00	0.41
2.10	0.04	0.00	0.04	4.70	0.42	0.00	0.42
2.15	0.05	0.00	0.05	4.75	0.42	0.00	0.42
2.20	0.06	0.00	0.06	4.80	0.43	0.00	0.43
2.25	0.06	0.00	0.06	4.85	0.43	0.00	0.43
2.30	0.07	0.00	0.07	4.90	0.44	0.00	0.44
2.35	0.08	0.00	0.08	4.95	0.45	0.00	0.45
2.40	0.09	0.00	0.09	5.00	0.45	0.00	0.45
2.45	0.10	0.00	0.10	5.05	0.46	0.00	0.46
2.50	0.10	0.00	0.10	5.10	0.46	0.00	0.46
2.55	0.11	0.00	0.11	5.15	0.47	0.00	0.47

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.47	0.00	0.47	7.80	1.30	0.00	1.30
5.25	0.48	0.00	0.48	7.85	1.34	0.00	1.34
5.30	0.49	0.00	0.49	7.90	1.38	0.00	1.38
5.35	0.49	0.00	0.49	7.95	1.42	0.00	1.42
5.40	0.50	0.00	0.50	8.00	1.47	0.00	1.47
5.45	0.50	0.00	0.50	8.05	1.51	0.00	1.51
5.50	0.51	0.00	0.51	8.10	1.55	0.00	1.55
5.55	0.51	0.00	0.51	8.15	1.60	0.00	1.60
5.60	0.52	0.00	0.52	8.20	1.64	0.00	1.64
5.65	0.52	0.00	0.52	8.25	1.69	0.00	1.69
5.70	0.53	0.00	0.53	8.30	1.74	0.00	1.74
5.75	0.53	0.00	0.53	8.35	1.78	0.00	1.78
5.80	0.54	0.00	0.54	8.40	1.83	0.00	1.83
5.85	0.55	0.00	0.55	8.45	1.88	0.00	1.88
5.90	0.55	0.00	0.55	8.50	1.93	0.00	1.93
5.95	0.56	0.00	0.56	8.55	1.98	0.00	1.98
6.00	0.56	0.00	0.56	8.60	2.03	0.00	2.03
6.05	0.57	0.00	0.57	8.65	2.08	0.00	2.08
6.10	0.57	0.00	0.57	8.70	2.13	0.00	2.13
6.15	0.58	0.00	0.58	8.75	2.18	0.00	2.18
6.20	0.58	0.00	0.58	8.80	2.23	0.00	2.23
6.25	0.59	0.00	0.59	8.85	2.28	0.00	2.28
6.30	0.60	0.00	0.60	8.90	2.34	0.00	2.34
6.35	0.60	0.00	0.60	8.95	2.39	0.00	2.39
6.40	0.61	0.00	0.61	9.00	2.44	0.00	2.44
6.45	0.62	0.00	0.62	9.05	2.50	0.00	2.50
6.50	0.63	0.00	0.63	9.10	2.55	0.00	2.55
6.55	0.64	0.00	0.64	9.15	2.61	0.00	2.61
6.60	0.65	0.00	0.65	9.20	2.67	0.00	2.67
6.65	0.66	0.00	0.66	9.25	2.74	0.00	2.74
6.70	0.67	0.00	0.67	9.30	2.81	0.00	2.81
6.75	0.68	0.00	0.68	9.35	2.89	0.00	2.89
6.80	0.69	0.00	0.69	9.40	2.97	0.00	2.97
6.85	0.70	0.00	0.70	9.45	3.07	0.00	3.07
6.90	0.72	0.00	0.72	9.50	3.17	0.00	3.17
6.95	0.73	0.00	0.73	9.55	3.27	0.00	3.27
7.00	0.76	0.00	0.76	9.60	3.39	0.00	3.39
7.05	0.78	0.00	0.78	9.65	3.50	0.00	3.50
7.10	0.80	0.00	0.80	9.70	3.63	0.00	3.63
7.15	0.83	0.00	0.83	9.75	3.75	0.00	3.75
7.20	0.86	0.00	0.86	9.80	3.88	0.00	3.88
7.25	0.89	0.00	0.89	9.85	4.02	0.00	4.02
7.30	0.92	0.00	0.92	9.90	4.15	0.00	4.15
7.35	0.96	0.00	0.96	9.95	4.29	0.00	4.29
7.40	0.99	0.00	0.99	10.00	4.44	0.00	4.44
7.45	1.03	0.00	1.03	10.05	4.58	0.00	4.58
7.50	1.06	0.00	1.06	10.10	4.73	0.00	4.73
7.55	1.10	0.00	1.10	10.15	4.89	0.00	4.89
7.60	1.14	0.00	1.14	10.20	5.04	0.00	5.04
7.65	1.18	0.00	1.18	10.25	5.20	0.00	5.20
7.70	1.22	0.00	1.22	10.30	5.36	0.00	5.36
7.75	1.26	0.00	1.26	10.35	5.53	0.00	5.53

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.70	0.00	5.70	13.00	54.55	0.00	54.55
10.45	5.87	0.00	5.87	13.05	49.83	0.00	49.83
10.50	6.04	0.00	6.04	13.10	45.75	0.00	45.75
10.55	6.21	0.00	6.21	13.15	42.24	0.00	42.24
10.60	6.40	0.00	6.40	13.20	39.16	0.00	39.16
10.65	6.59	0.00	6.59	13.25	36.42	0.00	36.42
10.70	6.80	0.00	6.80	13.30	33.99	0.00	33.99
10.75	7.04	0.00	7.04	13.35	31.81	0.00	31.81
10.80	7.31	0.00	7.31	13.40	29.82	0.00	29.82
10.85	7.62	0.00	7.62	13.45	28.05	0.00	28.05
10.90	7.98	0.00	7.98	13.50	26.47	0.00	26.47
10.95	8.37	0.00	8.37	13.55	25.03	0.00	25.03
11.00	8.80	0.00	8.80	13.60	23.70	0.00	23.70
11.05	9.27	0.00	9.27	13.65	22.48	0.00	22.48
11.10	9.77	0.00	9.77	13.70	21.34	0.00	21.34
11.15	10.31	0.00	10.31	13.75	20.25	0.00	20.25
11.20	10.89	0.00	10.89	13.80	19.26	0.00	19.26
11.25	11.54	0.00	11.54	13.85	18.37	0.00	18.37
11.30	12.24	0.00	12.24	13.90	17.57	0.00	17.57
11.35	13.01	0.00	13.01	13.95	16.88	0.00	16.88
11.40	13.85	0.00	13.85	14.00	16.28	0.00	16.28
11.45	14.77	0.00	14.77	14.05	15.76	0.00	15.76
11.50	15.75	0.00	15.75	14.10	15.29	0.00	15.29
11.55	16.80	0.00	16.80	14.15	14.88	0.00	14.88
11.60	17.96	0.00	17.96	14.20	14.53	0.00	14.53
11.65	19.29	0.00	19.29	14.25	14.19	0.00	14.19
11.70	20.88	0.00	20.88	14.30	13.88	0.00	13.88
11.75	22.83	0.00	22.83	14.35	13.60	0.00	13.60
11.80	25.20	0.00	25.20	14.40	13.34	0.00	13.34
11.85	28.03	0.00	28.03	14.45	13.07	0.00	13.07
11.90	31.41	0.00	31.41	14.50	12.83	0.00	12.83
11.95	35.54	0.00	35.54	14.55	12.59	0.00	12.59
12.00	40.78	0.00	40.78	14.60	12.35	0.00	12.35
12.05	47.71	0.00	47.71	14.65	12.12	0.00	12.12
12.10	57.08	0.00	57.08	14.70	11.90	0.00	11.90
12.15	69.73	0.00	69.73	14.75	11.68	0.00	11.68
12.20	85.60	0.00	85.60	14.80	11.45	0.00	11.45
12.25	103.25	0.00	103.25	14.85	11.23	0.00	11.23
12.30	120.33	0.00	120.33	14.90	11.01	0.00	11.01
12.35	133.90	0.00	133.90	14.95	10.79	0.00	10.79
12.40	141.33	0.00	141.33	15.00	10.57	0.00	10.57
12.45	**142.97**	0.00	**142.97**	15.05	10.36	0.00	10.36
12.50	139.36	0.00	139.36	15.10	10.14	0.00	10.14
12.55	131.75	0.00	131.75	15.15	9.92	0.00	9.92
12.60	121.69	0.00	121.69	15.20	9.71	0.00	9.71
12.65	110.54	0.00	110.54	15.25	9.50	0.00	9.50
12.70	99.51	0.00	99.51	15.30	9.30	0.00	9.30
12.75	89.72	0.00	89.72	15.35	9.10	0.00	9.10
12.80	80.99	0.00	80.99	15.40	8.93	0.00	8.93
12.85	73.15	0.00	73.15	15.45	8.77	0.00	8.77
12.90	66.12	0.00	66.12	15.50	8.62	0.00	8.62
12.95	59.92	0.00	59.92	15.55	8.49	0.00	8.49

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.38	0.00	8.38	18.20	5.19	0.00	5.19
15.65	8.28	0.00	8.28	18.25	5.13	0.00	5.13
15.70	8.19	0.00	8.19	18.30	5.08	0.00	5.08
15.75	8.11	0.00	8.11	18.35	5.03	0.00	5.03
15.80	8.03	0.00	8.03	18.40	4.98	0.00	4.98
15.85	7.95	0.00	7.95	18.45	4.93	0.00	4.93
15.90	7.88	0.00	7.88	18.50	4.90	0.00	4.90
15.95	7.81	0.00	7.81	18.55	4.86	0.00	4.86
16.00	7.74	0.00	7.74	18.60	4.83	0.00	4.83
16.05	7.68	0.00	7.68	18.65	4.81	0.00	4.81
16.10	7.62	0.00	7.62	18.70	4.78	0.00	4.78
16.15	7.56	0.00	7.56	18.75	4.76	0.00	4.76
16.20	7.50	0.00	7.50	18.80	4.74	0.00	4.74
16.25	7.44	0.00	7.44	18.85	4.72	0.00	4.72
16.30	7.38	0.00	7.38	18.90	4.70	0.00	4.70
16.35	7.32	0.00	7.32	18.95	4.68	0.00	4.68
16.40	7.27	0.00	7.27	19.00	4.67	0.00	4.67
16.45	7.21	0.00	7.21	19.05	4.65	0.00	4.65
16.50	7.15	0.00	7.15	19.10	4.64	0.00	4.64
16.55	7.09	0.00	7.09	19.15	4.62	0.00	4.62
16.60	7.04	0.00	7.04	19.20	4.61	0.00	4.61
16.65	6.98	0.00	6.98	19.25	4.59	0.00	4.59
16.70	6.92	0.00	6.92	19.30	4.58	0.00	4.58
16.75	6.86	0.00	6.86	19.35	4.56	0.00	4.56
16.80	6.81	0.00	6.81	19.40	4.55	0.00	4.55
16.85	6.75	0.00	6.75	19.45	4.53	0.00	4.53
16.90	6.69	0.00	6.69	19.50	4.52	0.00	4.52
16.95	6.64	0.00	6.64	19.55	4.50	0.00	4.50
17.00	6.58	0.00	6.58	19.60	4.49	0.00	4.49
17.05	6.52	0.00	6.52	19.65	4.47	0.00	4.47
17.10	6.46	0.00	6.46	19.70	4.46	0.00	4.46
17.15	6.41	0.00	6.41	19.75	4.45	0.00	4.45
17.20	6.35	0.00	6.35	19.80	4.43	0.00	4.43
17.25	6.29	0.00	6.29	19.85	4.42	0.00	4.42
17.30	6.24	0.00	6.24	19.90	4.41	0.00	4.41
17.35	6.18	0.00	6.18	19.95	4.39	0.00	4.39
17.40	6.12	0.00	6.12	20.00	4.38	0.00	4.38
17.45	6.06	0.00	6.06	20.05	4.37	0.00	4.37
17.50	6.00	0.00	6.00	20.10	4.35	0.00	4.35
17.55	5.94	0.00	5.94	20.15	4.34	0.00	4.34
17.60	5.88	0.00	5.88	20.20	4.32	0.00	4.32
17.65	5.83	0.00	5.83	20.25	4.31	0.00	4.31
17.70	5.77	0.00	5.77	20.30	4.29	0.00	4.29
17.75	5.71	0.00	5.71	20.35	4.28	0.00	4.28
17.80	5.65	0.00	5.65	20.40	4.26	0.00	4.26
17.85	5.60	0.00	5.60	20.45	4.25	0.00	4.25
17.90	5.54	0.00	5.54	20.50	4.23	0.00	4.23
17.95	5.48	0.00	5.48	20.55	4.22	0.00	4.22
18.00	5.42	0.00	5.42	20.60	4.20	0.00	4.20
18.05	5.36	0.00	5.36	20.65	4.19	0.00	4.19
18.10	5.31	0.00	5.31	20.70	4.17	0.00	4.17
18.15	5.25	0.00	5.25	20.75	4.16	0.00	4.16

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.15	0.00	4.15	23.40	3.39	0.00	3.39
20.85	4.13	0.00	4.13	23.45	3.37	0.00	3.37
20.90	4.12	0.00	4.12	23.50	3.36	0.00	3.36
20.95	4.11	0.00	4.11	23.55	3.35	0.00	3.35
21.00	4.09	0.00	4.09	23.60	3.33	0.00	3.33
21.05	4.08	0.00	4.08	23.65	3.32	0.00	3.32
21.10	4.06	0.00	4.06	23.70	3.30	0.00	3.30
21.15	4.05	0.00	4.05	23.75	3.29	0.00	3.29
21.20	4.03	0.00	4.03	23.80	3.27	0.00	3.27
21.25	4.02	0.00	4.02	23.85	3.26	0.00	3.26
21.30	4.00	0.00	4.00	23.90	3.24	0.00	3.24
21.35	3.98	0.00	3.98	23.95	3.23	0.00	3.23
21.40	3.97	0.00	3.97	24.00	3.22	0.00	3.22
21.45	3.96	0.00	3.96	24.05	3.21	0.00	3.21
21.50	3.94	0.00	3.94	24.10	3.20	0.00	3.20
21.55	3.93	0.00	3.93	24.15	3.17	0.00	3.17
21.60	3.92	0.00	3.92	24.20	3.08	0.00	3.08
21.65	3.90	0.00	3.90	24.25	2.92	0.00	2.92
21.70	3.89	0.00	3.89	24.30	2.68	0.00	2.68
21.75	3.87	0.00	3.87	24.35	2.37	0.00	2.37
21.80	3.86	0.00	3.86	24.40	2.03	0.00	2.03
21.85	3.84	0.00	3.84	24.45	1.69	0.00	1.69
21.90	3.83	0.00	3.83	24.50	1.37	0.00	1.37
21.95	3.81	0.00	3.81	24.55	1.09	0.00	1.09
22.00	3.80	0.00	3.80	24.60	0.86	0.00	0.86
22.05	3.78	0.00	3.78	24.65	0.68	0.00	0.68
22.10	3.77	0.00	3.77	24.70	0.54	0.00	0.54
22.15	3.76	0.00	3.76	24.75	0.43	0.00	0.43
22.20	3.74	0.00	3.74	24.80	0.34	0.00	0.34
22.25	3.73	0.00	3.73	24.85	0.27	0.00	0.27
22.30	3.71	0.00	3.71	24.90	0.21	0.00	0.21
22.35	3.70	0.00	3.70	24.95	0.17	0.00	0.17
22.40	3.68	0.00	3.68	25.00	0.13	0.00	0.13
22.45	3.67	0.00	3.67	25.05	0.10	0.00	0.10
22.50	3.66	0.00	3.66	25.10	0.08	0.00	0.08
22.55	3.64	0.00	3.64	25.15	0.06	0.00	0.06
22.60	3.62	0.00	3.62	25.20	0.05	0.00	0.05
22.65	3.61	0.00	3.61	25.25	0.04	0.00	0.04
22.70	3.60	0.00	3.60	25.30	0.03	0.00	0.03
22.75	3.58	0.00	3.58	25.35	0.02	0.00	0.02
22.80	3.57	0.00	3.57	25.40	0.02	0.00	0.02
22.85	3.55	0.00	3.55	25.45	0.01	0.00	0.01
22.90	3.54	0.00	3.54	25.50	0.01	0.00	0.01
22.95	3.52	0.00	3.52	25.55	0.01	0.00	0.01
23.00	3.51	0.00	3.51	25.60	0.00	0.00	0.00
23.05	3.49	0.00	3.49	25.65	0.00	0.00	0.00
23.10	3.48	0.00	3.48	25.70	0.00	0.00	0.00
23.15	3.46	0.00	3.46	25.75	0.00	0.00	0.00
23.20	3.45	0.00	3.45	25.80	0.00	0.00	0.00
23.25	3.43	0.00	3.43	25.85	0.00	0.00	0.00
23.30	3.42	0.00	3.42	25.90	0.00	0.00	0.00
23.35	3.41	0.00	3.41	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-1O: XDA-1O (continued)

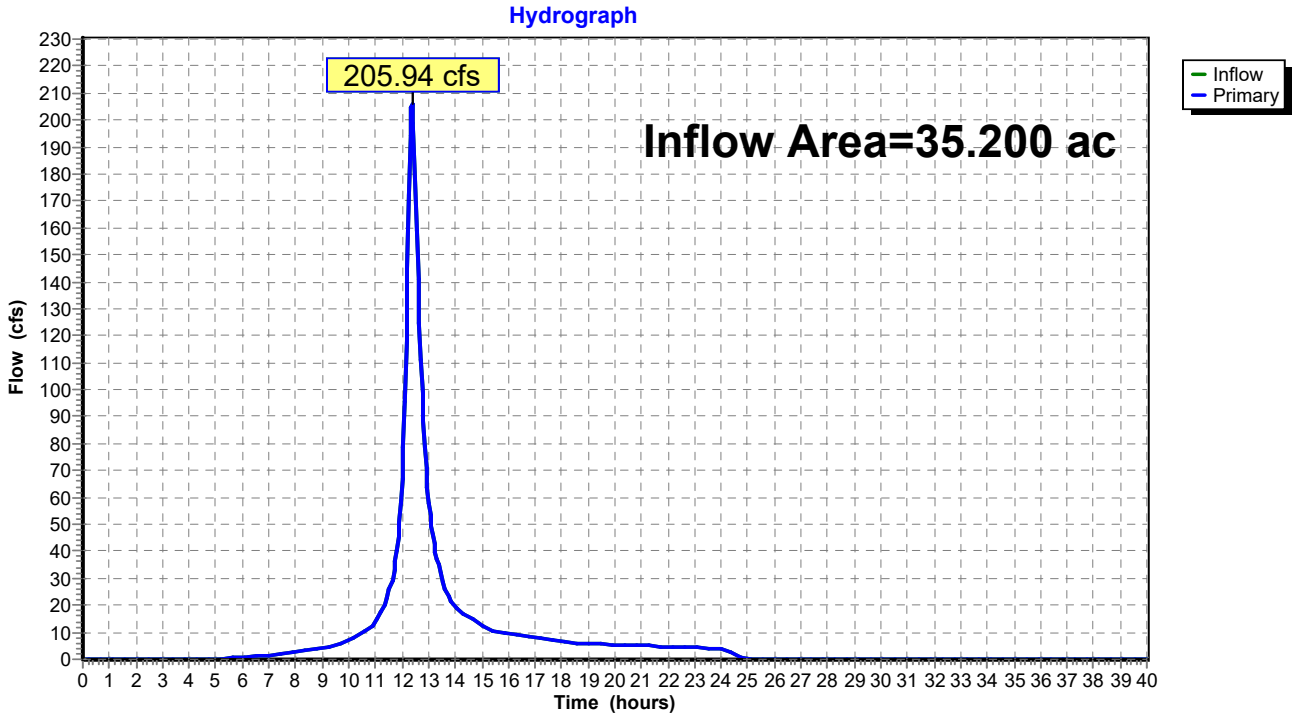
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-2: Existing Drainage Area #2

Inflow Area = 35.200 ac, 0.00% Impervious, Inflow Depth = 8.12" for Future 100 yr event
Inflow = 205.94 cfs @ 12.37 hrs, Volume= 23.819 af
Primary = 205.94 cfs @ 12.37 hrs, Volume= 23.819 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-2: Existing Drainage Area #2



Hydrograph for Link XDA-2: Existing Drainage Area #2

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.02	0.00	0.02
2.15	0.00	0.00	0.00	4.75	0.04	0.00	0.04
2.20	0.00	0.00	0.00	4.80	0.06	0.00	0.06
2.25	0.00	0.00	0.00	4.85	0.08	0.00	0.08
2.30	0.00	0.00	0.00	4.90	0.10	0.00	0.10
2.35	0.00	0.00	0.00	4.95	0.13	0.00	0.13
2.40	0.00	0.00	0.00	5.00	0.15	0.00	0.15
2.45	0.00	0.00	0.00	5.05	0.18	0.00	0.18
2.50	0.00	0.00	0.00	5.10	0.21	0.00	0.21
2.55	0.00	0.00	0.00	5.15	0.24	0.00	0.24

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.27	0.00	0.27	7.80	2.53	0.00	2.53
5.25	0.30	0.00	0.30	7.85	2.59	0.00	2.59
5.30	0.33	0.00	0.33	7.90	2.65	0.00	2.65
5.35	0.36	0.00	0.36	7.95	2.72	0.00	2.72
5.40	0.39	0.00	0.39	8.00	2.79	0.00	2.79
5.45	0.42	0.00	0.42	8.05	2.85	0.00	2.85
5.50	0.45	0.00	0.45	8.10	2.92	0.00	2.92
5.55	0.48	0.00	0.48	8.15	2.99	0.00	2.99
5.60	0.51	0.00	0.51	8.20	3.06	0.00	3.06
5.65	0.55	0.00	0.55	8.25	3.13	0.00	3.13
5.70	0.58	0.00	0.58	8.30	3.20	0.00	3.20
5.75	0.61	0.00	0.61	8.35	3.27	0.00	3.27
5.80	0.64	0.00	0.64	8.40	3.34	0.00	3.34
5.85	0.67	0.00	0.67	8.45	3.41	0.00	3.41
5.90	0.70	0.00	0.70	8.50	3.48	0.00	3.48
5.95	0.74	0.00	0.74	8.55	3.56	0.00	3.56
6.00	0.77	0.00	0.77	8.60	3.63	0.00	3.63
6.05	0.80	0.00	0.80	8.65	3.70	0.00	3.70
6.10	0.83	0.00	0.83	8.70	3.78	0.00	3.78
6.15	0.86	0.00	0.86	8.75	3.85	0.00	3.85
6.20	0.90	0.00	0.90	8.80	3.93	0.00	3.93
6.25	0.93	0.00	0.93	8.85	4.01	0.00	4.01
6.30	0.97	0.00	0.97	8.90	4.09	0.00	4.09
6.35	1.01	0.00	1.01	8.95	4.16	0.00	4.16
6.40	1.04	0.00	1.04	9.00	4.24	0.00	4.24
6.45	1.09	0.00	1.09	9.05	4.32	0.00	4.32
6.50	1.13	0.00	1.13	9.10	4.40	0.00	4.40
6.55	1.17	0.00	1.17	9.15	4.49	0.00	4.49
6.60	1.21	0.00	1.21	9.20	4.58	0.00	4.58
6.65	1.26	0.00	1.26	9.25	4.69	0.00	4.69
6.70	1.31	0.00	1.31	9.30	4.80	0.00	4.80
6.75	1.35	0.00	1.35	9.35	4.94	0.00	4.94
6.80	1.40	0.00	1.40	9.40	5.08	0.00	5.08
6.85	1.45	0.00	1.45	9.45	5.24	0.00	5.24
6.90	1.50	0.00	1.50	9.50	5.40	0.00	5.40
6.95	1.55	0.00	1.55	9.55	5.58	0.00	5.58
7.00	1.60	0.00	1.60	9.60	5.76	0.00	5.76
7.05	1.65	0.00	1.65	9.65	5.94	0.00	5.94
7.10	1.70	0.00	1.70	9.70	6.14	0.00	6.14
7.15	1.76	0.00	1.76	9.75	6.33	0.00	6.33
7.20	1.81	0.00	1.81	9.80	6.53	0.00	6.53
7.25	1.87	0.00	1.87	9.85	6.74	0.00	6.74
7.30	1.93	0.00	1.93	9.90	6.95	0.00	6.95
7.35	1.98	0.00	1.98	9.95	7.16	0.00	7.16
7.40	2.04	0.00	2.04	10.00	7.38	0.00	7.38
7.45	2.10	0.00	2.10	10.05	7.60	0.00	7.60
7.50	2.16	0.00	2.16	10.10	7.82	0.00	7.82
7.55	2.22	0.00	2.22	10.15	8.05	0.00	8.05
7.60	2.28	0.00	2.28	10.20	8.28	0.00	8.28
7.65	2.34	0.00	2.34	10.25	8.51	0.00	8.51
7.70	2.40	0.00	2.40	10.30	8.75	0.00	8.75
7.75	2.46	0.00	2.46	10.35	8.99	0.00	8.99

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	9.23	0.00	9.23	13.00	58.14	0.00	58.14
10.45	9.47	0.00	9.47	13.05	53.38	0.00	53.38
10.50	9.72	0.00	9.72	13.10	49.34	0.00	49.34
10.55	9.98	0.00	9.98	13.15	45.81	0.00	45.81
10.60	10.24	0.00	10.24	13.20	42.67	0.00	42.67
10.65	10.53	0.00	10.53	13.25	39.85	0.00	39.85
10.70	10.86	0.00	10.86	13.30	37.33	0.00	37.33
10.75	11.25	0.00	11.25	13.35	35.07	0.00	35.07
10.80	11.71	0.00	11.71	13.40	33.05	0.00	33.05
10.85	12.23	0.00	12.23	13.45	31.22	0.00	31.22
10.90	12.82	0.00	12.82	13.50	29.55	0.00	29.55
10.95	13.47	0.00	13.47	13.55	28.03	0.00	28.03
11.00	14.17	0.00	14.17	13.60	26.66	0.00	26.66
11.05	14.91	0.00	14.91	13.65	25.41	0.00	25.41
11.10	15.69	0.00	15.69	13.70	24.23	0.00	24.23
11.15	16.53	0.00	16.53	13.75	23.13	0.00	23.13
11.20	17.44	0.00	17.44	13.80	22.12	0.00	22.12
11.25	18.46	0.00	18.46	13.85	21.21	0.00	21.21
11.30	19.58	0.00	19.58	13.90	20.41	0.00	20.41
11.35	20.81	0.00	20.81	13.95	19.73	0.00	19.73
11.40	22.14	0.00	22.14	14.00	19.14	0.00	19.14
11.45	23.56	0.00	23.56	14.05	18.64	0.00	18.64
11.50	25.05	0.00	25.05	14.10	18.19	0.00	18.19
11.55	26.63	0.00	26.63	14.15	17.79	0.00	17.79
11.60	28.39	0.00	28.39	14.20	17.41	0.00	17.41
11.65	30.52	0.00	30.52	14.25	17.07	0.00	17.07
11.70	33.23	0.00	33.23	14.30	16.74	0.00	16.74
11.75	36.58	0.00	36.58	14.35	16.43	0.00	16.43
11.80	40.60	0.00	40.60	14.40	16.13	0.00	16.13
11.85	45.32	0.00	45.32	14.45	15.84	0.00	15.84
11.90	50.92	0.00	50.92	14.50	15.55	0.00	15.55
11.95	57.91	0.00	57.91	14.55	15.26	0.00	15.26
12.00	67.00	0.00	67.00	14.60	14.98	0.00	14.98
12.05	78.93	0.00	78.93	14.65	14.71	0.00	14.71
12.10	95.59	0.00	95.59	14.70	14.43	0.00	14.43
12.15	117.98	0.00	117.98	14.75	14.16	0.00	14.16
12.20	144.79	0.00	144.79	14.80	13.89	0.00	13.89
12.25	172.32	0.00	172.32	14.85	13.61	0.00	13.61
12.30	194.09	0.00	194.09	14.90	13.34	0.00	13.34
12.35	**204.85**	0.00	**204.85**	14.95	13.07	0.00	13.07
12.40	204.10	0.00	204.10	15.00	12.80	0.00	12.80
12.45	194.17	0.00	194.17	15.05	12.53	0.00	12.53
12.50	178.24	0.00	178.24	15.10	12.25	0.00	12.25
12.55	159.27	0.00	159.27	15.15	11.98	0.00	11.98
12.60	140.77	0.00	140.77	15.20	11.71	0.00	11.71
12.65	124.81	0.00	124.81	15.25	11.45	0.00	11.45
12.70	111.08	0.00	111.08	15.30	11.21	0.00	11.21
12.75	98.86	0.00	98.86	15.35	10.99	0.00	10.99
12.80	88.07	0.00	88.07	15.40	10.79	0.00	10.79
12.85	78.72	0.00	78.72	15.45	10.62	0.00	10.62
12.90	70.71	0.00	70.71	15.50	10.47	0.00	10.47
12.95	63.87	0.00	63.87	15.55	10.33	0.00	10.33

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	10.22	0.00	10.22	18.20	6.34	0.00	6.34
15.65	10.12	0.00	10.12	18.25	6.27	0.00	6.27
15.70	10.02	0.00	10.02	18.30	6.20	0.00	6.20
15.75	9.93	0.00	9.93	18.35	6.14	0.00	6.14
15.80	9.85	0.00	9.85	18.40	6.09	0.00	6.09
15.85	9.76	0.00	9.76	18.45	6.04	0.00	6.04
15.90	9.68	0.00	9.68	18.50	6.00	0.00	6.00
15.95	9.60	0.00	9.60	18.55	5.97	0.00	5.97
16.00	9.52	0.00	9.52	18.60	5.94	0.00	5.94
16.05	9.45	0.00	9.45	18.65	5.91	0.00	5.91
16.10	9.38	0.00	9.38	18.70	5.89	0.00	5.89
16.15	9.30	0.00	9.30	18.75	5.86	0.00	5.86
16.20	9.23	0.00	9.23	18.80	5.84	0.00	5.84
16.25	9.16	0.00	9.16	18.85	5.82	0.00	5.82
16.30	9.09	0.00	9.09	18.90	5.80	0.00	5.80
16.35	9.02	0.00	9.02	18.95	5.78	0.00	5.78
16.40	8.94	0.00	8.94	19.00	5.76	0.00	5.76
16.45	8.87	0.00	8.87	19.05	5.74	0.00	5.74
16.50	8.80	0.00	8.80	19.10	5.72	0.00	5.72
16.55	8.72	0.00	8.72	19.15	5.70	0.00	5.70
16.60	8.65	0.00	8.65	19.20	5.69	0.00	5.69
16.65	8.58	0.00	8.58	19.25	5.67	0.00	5.67
16.70	8.51	0.00	8.51	19.30	5.65	0.00	5.65
16.75	8.44	0.00	8.44	19.35	5.63	0.00	5.63
16.80	8.36	0.00	8.36	19.40	5.61	0.00	5.61
16.85	8.29	0.00	8.29	19.45	5.59	0.00	5.59
16.90	8.22	0.00	8.22	19.50	5.58	0.00	5.58
16.95	8.15	0.00	8.15	19.55	5.56	0.00	5.56
17.00	8.08	0.00	8.08	19.60	5.54	0.00	5.54
17.05	8.00	0.00	8.00	19.65	5.52	0.00	5.52
17.10	7.93	0.00	7.93	19.70	5.50	0.00	5.50
17.15	7.86	0.00	7.86	19.75	5.49	0.00	5.49
17.20	7.79	0.00	7.79	19.80	5.47	0.00	5.47
17.25	7.72	0.00	7.72	19.85	5.45	0.00	5.45
17.30	7.65	0.00	7.65	19.90	5.44	0.00	5.44
17.35	7.57	0.00	7.57	19.95	5.42	0.00	5.42
17.40	7.50	0.00	7.50	20.00	5.40	0.00	5.40
17.45	7.42	0.00	7.42	20.05	5.39	0.00	5.39
17.50	7.35	0.00	7.35	20.10	5.37	0.00	5.37
17.55	7.28	0.00	7.28	20.15	5.35	0.00	5.35
17.60	7.20	0.00	7.20	20.20	5.33	0.00	5.33
17.65	7.13	0.00	7.13	20.25	5.31	0.00	5.31
17.70	7.06	0.00	7.06	20.30	5.29	0.00	5.29
17.75	6.99	0.00	6.99	20.35	5.27	0.00	5.27
17.80	6.92	0.00	6.92	20.40	5.25	0.00	5.25
17.85	6.84	0.00	6.84	20.45	5.23	0.00	5.23
17.90	6.77	0.00	6.77	20.50	5.22	0.00	5.22
17.95	6.70	0.00	6.70	20.55	5.20	0.00	5.20
18.00	6.63	0.00	6.63	20.60	5.18	0.00	5.18
18.05	6.55	0.00	6.55	20.65	5.16	0.00	5.16
18.10	6.48	0.00	6.48	20.70	5.15	0.00	5.15
18.15	6.41	0.00	6.41	20.75	5.13	0.00	5.13

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.11	0.00	5.11	23.40	4.16	0.00	4.16
20.85	5.10	0.00	5.10	23.45	4.14	0.00	4.14
20.90	5.08	0.00	5.08	23.50	4.12	0.00	4.12
20.95	5.06	0.00	5.06	23.55	4.11	0.00	4.11
21.00	5.04	0.00	5.04	23.60	4.09	0.00	4.09
21.05	5.02	0.00	5.02	23.65	4.07	0.00	4.07
21.10	5.00	0.00	5.00	23.70	4.05	0.00	4.05
21.15	4.98	0.00	4.98	23.75	4.04	0.00	4.04
21.20	4.96	0.00	4.96	23.80	4.02	0.00	4.02
21.25	4.94	0.00	4.94	23.85	4.00	0.00	4.00
21.30	4.93	0.00	4.93	23.90	3.98	0.00	3.98
21.35	4.91	0.00	4.91	23.95	3.96	0.00	3.96
21.40	4.89	0.00	4.89	24.00	3.95	0.00	3.95
21.45	4.87	0.00	4.87	24.05	3.96	0.00	3.96
21.50	4.86	0.00	4.86	24.10	3.96	0.00	3.96
21.55	4.84	0.00	4.84	24.15	3.90	0.00	3.90
21.60	4.82	0.00	4.82	24.20	3.71	0.00	3.71
21.65	4.80	0.00	4.80	24.25	3.36	0.00	3.36
21.70	4.78	0.00	4.78	24.30	2.89	0.00	2.89
21.75	4.76	0.00	4.76	24.35	2.38	0.00	2.38
21.80	4.74	0.00	4.74	24.40	1.88	0.00	1.88
21.85	4.73	0.00	4.73	24.45	1.44	0.00	1.44
21.90	4.71	0.00	4.71	24.50	1.08	0.00	1.08
21.95	4.69	0.00	4.69	24.55	0.81	0.00	0.81
22.00	4.68	0.00	4.68	24.60	0.62	0.00	0.62
22.05	4.66	0.00	4.66	24.65	0.47	0.00	0.47
22.10	4.64	0.00	4.64	24.70	0.35	0.00	0.35
22.15	4.62	0.00	4.62	24.75	0.27	0.00	0.27
22.20	4.60	0.00	4.60	24.80	0.20	0.00	0.20
22.25	4.58	0.00	4.58	24.85	0.15	0.00	0.15
22.30	4.56	0.00	4.56	24.90	0.11	0.00	0.11
22.35	4.55	0.00	4.55	24.95	0.09	0.00	0.09
22.40	4.53	0.00	4.53	25.00	0.06	0.00	0.06
22.45	4.51	0.00	4.51	25.05	0.05	0.00	0.05
22.50	4.49	0.00	4.49	25.10	0.03	0.00	0.03
22.55	4.48	0.00	4.48	25.15	0.03	0.00	0.03
22.60	4.46	0.00	4.46	25.20	0.02	0.00	0.02
22.65	4.44	0.00	4.44	25.25	0.01	0.00	0.01
22.70	4.42	0.00	4.42	25.30	0.01	0.00	0.01
22.75	4.40	0.00	4.40	25.35	0.00	0.00	0.00
22.80	4.38	0.00	4.38	25.40	0.00	0.00	0.00
22.85	4.37	0.00	4.37	25.45	0.00	0.00	0.00
22.90	4.35	0.00	4.35	25.50	0.00	0.00	0.00
22.95	4.33	0.00	4.33	25.55	0.00	0.00	0.00
23.00	4.31	0.00	4.31	25.60	0.00	0.00	0.00
23.05	4.29	0.00	4.29	25.65	0.00	0.00	0.00
23.10	4.27	0.00	4.27	25.70	0.00	0.00	0.00
23.15	4.25	0.00	4.25	25.75	0.00	0.00	0.00
23.20	4.24	0.00	4.24	25.80	0.00	0.00	0.00
23.25	4.22	0.00	4.22	25.85	0.00	0.00	0.00
23.30	4.20	0.00	4.20	25.90	0.00	0.00	0.00
23.35	4.18	0.00	4.18	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-2: Existing Drainage Area #2 (continued)

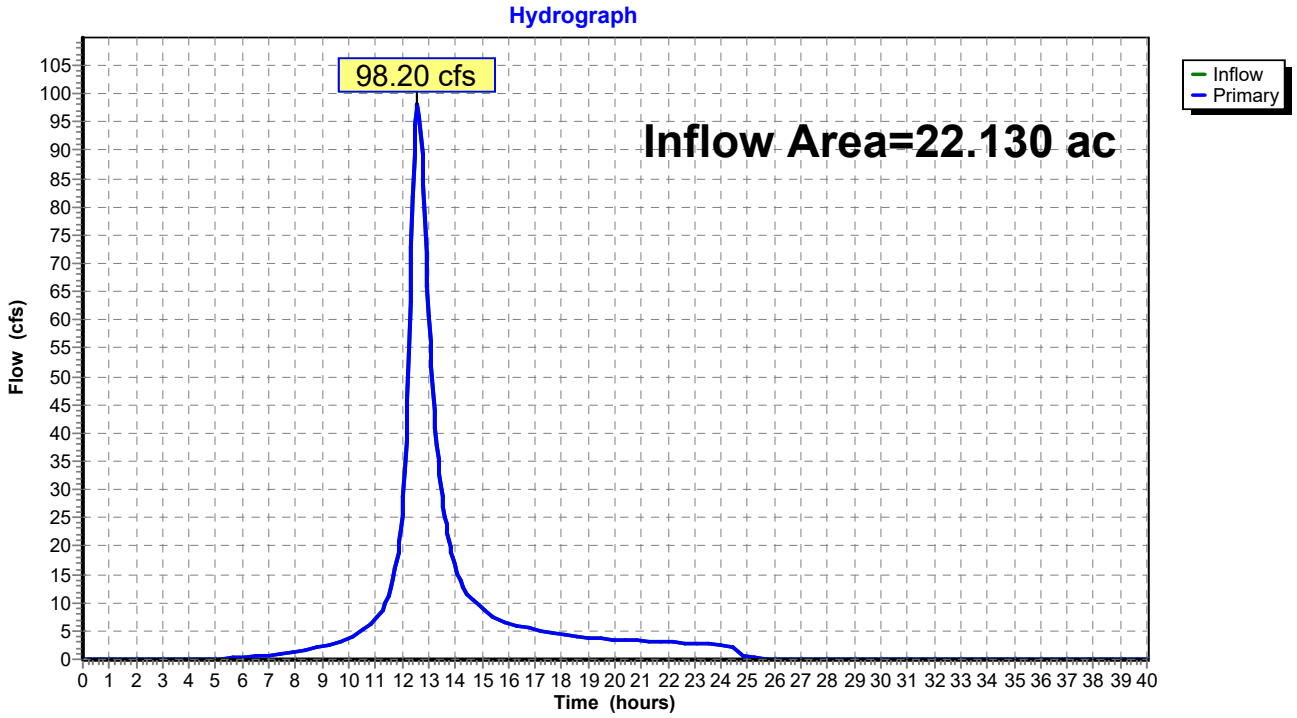
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-3: Existing Drainage Area #3

Inflow Area = 22.130 ac, 0.00% Impervious, Inflow Depth = 7.99" for Future 100 yr event
Inflow = 98.20 cfs @ 12.59 hrs, Volume= 14.727 af
Primary = 98.20 cfs @ 12.59 hrs, Volume= 14.727 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-3: Existing Drainage Area #3



Hydrograph for Link XDA-3: Existing Drainage Area #3

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.01	0.00	0.01
2.50	0.00	0.00	0.00	5.10	0.02	0.00	0.02
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.04	0.00	0.04	7.80	1.26	0.00	1.26
5.25	0.05	0.00	0.05	7.85	1.29	0.00	1.29
5.30	0.06	0.00	0.06	7.90	1.33	0.00	1.33
5.35	0.07	0.00	0.07	7.95	1.37	0.00	1.37
5.40	0.08	0.00	0.08	8.00	1.41	0.00	1.41
5.45	0.10	0.00	0.10	8.05	1.44	0.00	1.44
5.50	0.11	0.00	0.11	8.10	1.48	0.00	1.48
5.55	0.13	0.00	0.13	8.15	1.52	0.00	1.52
5.60	0.15	0.00	0.15	8.20	1.56	0.00	1.56
5.65	0.16	0.00	0.16	8.25	1.60	0.00	1.60
5.70	0.18	0.00	0.18	8.30	1.64	0.00	1.64
5.75	0.20	0.00	0.20	8.35	1.68	0.00	1.68
5.80	0.22	0.00	0.22	8.40	1.73	0.00	1.73
5.85	0.23	0.00	0.23	8.45	1.77	0.00	1.77
5.90	0.25	0.00	0.25	8.50	1.81	0.00	1.81
5.95	0.27	0.00	0.27	8.55	1.85	0.00	1.85
6.00	0.29	0.00	0.29	8.60	1.90	0.00	1.90
6.05	0.31	0.00	0.31	8.65	1.94	0.00	1.94
6.10	0.33	0.00	0.33	8.70	1.98	0.00	1.98
6.15	0.35	0.00	0.35	8.75	2.03	0.00	2.03
6.20	0.36	0.00	0.36	8.80	2.07	0.00	2.07
6.25	0.38	0.00	0.38	8.85	2.12	0.00	2.12
6.30	0.40	0.00	0.40	8.90	2.16	0.00	2.16
6.35	0.42	0.00	0.42	8.95	2.21	0.00	2.21
6.40	0.44	0.00	0.44	9.00	2.25	0.00	2.25
6.45	0.47	0.00	0.47	9.05	2.30	0.00	2.30
6.50	0.49	0.00	0.49	9.10	2.35	0.00	2.35
6.55	0.51	0.00	0.51	9.15	2.39	0.00	2.39
6.60	0.53	0.00	0.53	9.20	2.45	0.00	2.45
6.65	0.56	0.00	0.56	9.25	2.49	0.00	2.49
6.70	0.58	0.00	0.58	9.30	2.55	0.00	2.55
6.75	0.61	0.00	0.61	9.35	2.61	0.00	2.61
6.80	0.63	0.00	0.63	9.40	2.67	0.00	2.67
6.85	0.66	0.00	0.66	9.45	2.73	0.00	2.73
6.90	0.68	0.00	0.68	9.50	2.81	0.00	2.81
6.95	0.71	0.00	0.71	9.55	2.88	0.00	2.88
7.00	0.74	0.00	0.74	9.60	2.97	0.00	2.97
7.05	0.77	0.00	0.77	9.65	3.05	0.00	3.05
7.10	0.80	0.00	0.80	9.70	3.15	0.00	3.15
7.15	0.83	0.00	0.83	9.75	3.24	0.00	3.24
7.20	0.86	0.00	0.86	9.80	3.34	0.00	3.34
7.25	0.89	0.00	0.89	9.85	3.45	0.00	3.45
7.30	0.92	0.00	0.92	9.90	3.56	0.00	3.56
7.35	0.95	0.00	0.95	9.95	3.67	0.00	3.67
7.40	0.98	0.00	0.98	10.00	3.79	0.00	3.79
7.45	1.01	0.00	1.01	10.05	3.91	0.00	3.91
7.50	1.05	0.00	1.05	10.10	4.03	0.00	4.03
7.55	1.08	0.00	1.08	10.15	4.15	0.00	4.15
7.60	1.11	0.00	1.11	10.20	4.28	0.00	4.28
7.65	1.15	0.00	1.15	10.25	4.41	0.00	4.41
7.70	1.18	0.00	1.18	10.30	4.54	0.00	4.54
7.75	1.22	0.00	1.22	10.35	4.68	0.00	4.68

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	4.81	0.00	4.81	13.00	60.84	0.00	60.84
10.45	4.95	0.00	4.95	13.05	56.01	0.00	56.01
10.50	5.09	0.00	5.09	13.10	51.70	0.00	51.70
10.55	5.24	0.00	5.24	13.15	47.72	0.00	47.72
10.60	5.38	0.00	5.38	13.20	44.12	0.00	44.12
10.65	5.54	0.00	5.54	13.25	40.83	0.00	40.83
10.70	5.69	0.00	5.69	13.30	37.89	0.00	37.89
10.75	5.86	0.00	5.86	13.35	35.21	0.00	35.21
10.80	6.04	0.00	6.04	13.40	32.82	0.00	32.82
10.85	6.24	0.00	6.24	13.45	30.63	0.00	30.63
10.90	6.46	0.00	6.46	13.50	28.66	0.00	28.66
10.95	6.71	0.00	6.71	13.55	26.84	0.00	26.84
11.00	6.98	0.00	6.98	13.60	25.21	0.00	25.21
11.05	7.29	0.00	7.29	13.65	23.71	0.00	23.71
11.10	7.62	0.00	7.62	13.70	22.34	0.00	22.34
11.15	7.99	0.00	7.99	13.75	21.09	0.00	21.09
11.20	8.37	0.00	8.37	13.80	19.93	0.00	19.93
11.25	8.81	0.00	8.81	13.85	18.87	0.00	18.87
11.30	9.27	0.00	9.27	13.90	17.88	0.00	17.88
11.35	9.79	0.00	9.79	13.95	17.00	0.00	17.00
11.40	10.34	0.00	10.34	14.00	16.17	0.00	16.17
11.45	10.95	0.00	10.95	14.05	15.44	0.00	15.44
11.50	11.60	0.00	11.60	14.10	14.76	0.00	14.76
11.55	12.30	0.00	12.30	14.15	14.17	0.00	14.17
11.60	13.06	0.00	13.06	14.20	13.62	0.00	13.62
11.65	13.92	0.00	13.92	14.25	13.13	0.00	13.13
11.70	14.88	0.00	14.88	14.30	12.67	0.00	12.67
11.75	15.98	0.00	15.98	14.35	12.27	0.00	12.27
11.80	17.26	0.00	17.26	14.40	11.87	0.00	11.87
11.85	18.78	0.00	18.78	14.45	11.54	0.00	11.54
11.90	20.60	0.00	20.60	14.50	11.20	0.00	11.20
11.95	22.77	0.00	22.77	14.55	10.93	0.00	10.93
12.00	25.44	0.00	25.44	14.60	10.65	0.00	10.65
12.05	28.77	0.00	28.77	14.65	10.42	0.00	10.42
12.10	33.13	0.00	33.13	14.70	10.18	0.00	10.18
12.15	38.83	0.00	38.83	14.75	9.97	0.00	9.97
12.20	45.84	0.00	45.84	14.80	9.75	0.00	9.75
12.25	54.11	0.00	54.11	14.85	9.56	0.00	9.56
12.30	63.33	0.00	63.33	14.90	9.35	0.00	9.35
12.35	72.89	0.00	72.89	14.95	9.17	0.00	9.17
12.40	81.85	0.00	81.85	15.00	8.97	0.00	8.97
12.45	89.19	0.00	89.19	15.05	8.79	0.00	8.79
12.50	94.55	0.00	94.55	15.10	8.61	0.00	8.61
12.55	97.33	0.00	97.33	15.15	8.43	0.00	8.43
12.60	**98.17**	0.00	**98.17**	15.20	8.25	0.00	8.25
12.65	96.65	0.00	96.65	15.25	8.08	0.00	8.08
12.70	93.73	0.00	93.73	15.30	7.90	0.00	7.90
12.75	89.29	0.00	89.29	15.35	7.73	0.00	7.73
12.80	84.00	0.00	84.00	15.40	7.57	0.00	7.57
12.85	77.92	0.00	77.92	15.45	7.42	0.00	7.42
12.90	71.91	0.00	71.91	15.50	7.27	0.00	7.27
12.95	66.13	0.00	66.13	15.55	7.13	0.00	7.13

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.01	0.00	7.01	18.20	4.20	0.00	4.20
15.65	6.89	0.00	6.89	18.25	4.16	0.00	4.16
15.70	6.79	0.00	6.79	18.30	4.11	0.00	4.11
15.75	6.69	0.00	6.69	18.35	4.07	0.00	4.07
15.80	6.60	0.00	6.60	18.40	4.02	0.00	4.02
15.85	6.51	0.00	6.51	18.45	3.99	0.00	3.99
15.90	6.44	0.00	6.44	18.50	3.95	0.00	3.95
15.95	6.37	0.00	6.37	18.55	3.91	0.00	3.91
16.00	6.30	0.00	6.30	18.60	3.88	0.00	3.88
16.05	6.23	0.00	6.23	18.65	3.85	0.00	3.85
16.10	6.18	0.00	6.18	18.70	3.82	0.00	3.82
16.15	6.11	0.00	6.11	18.75	3.79	0.00	3.79
16.20	6.06	0.00	6.06	18.80	3.77	0.00	3.77
16.25	6.00	0.00	6.00	18.85	3.75	0.00	3.75
16.30	5.96	0.00	5.96	18.90	3.73	0.00	3.73
16.35	5.90	0.00	5.90	18.95	3.71	0.00	3.71
16.40	5.85	0.00	5.85	19.00	3.69	0.00	3.69
16.45	5.80	0.00	5.80	19.05	3.68	0.00	3.68
16.50	5.76	0.00	5.76	19.10	3.66	0.00	3.66
16.55	5.70	0.00	5.70	19.15	3.65	0.00	3.65
16.60	5.66	0.00	5.66	19.20	3.63	0.00	3.63
16.65	5.61	0.00	5.61	19.25	3.62	0.00	3.62
16.70	5.57	0.00	5.57	19.30	3.60	0.00	3.60
16.75	5.52	0.00	5.52	19.35	3.59	0.00	3.59
16.80	5.47	0.00	5.47	19.40	3.58	0.00	3.58
16.85	5.42	0.00	5.42	19.45	3.56	0.00	3.56
16.90	5.38	0.00	5.38	19.50	3.55	0.00	3.55
16.95	5.33	0.00	5.33	19.55	3.54	0.00	3.54
17.00	5.29	0.00	5.29	19.60	3.53	0.00	3.53
17.05	5.24	0.00	5.24	19.65	3.51	0.00	3.51
17.10	5.20	0.00	5.20	19.70	3.51	0.00	3.51
17.15	5.15	0.00	5.15	19.75	3.49	0.00	3.49
17.20	5.11	0.00	5.11	19.80	3.48	0.00	3.48
17.25	5.06	0.00	5.06	19.85	3.47	0.00	3.47
17.30	5.02	0.00	5.02	19.90	3.46	0.00	3.46
17.35	4.97	0.00	4.97	19.95	3.45	0.00	3.45
17.40	4.93	0.00	4.93	20.00	3.44	0.00	3.44
17.45	4.88	0.00	4.88	20.05	3.42	0.00	3.42
17.50	4.84	0.00	4.84	20.10	3.42	0.00	3.42
17.55	4.79	0.00	4.79	20.15	3.40	0.00	3.40
17.60	4.74	0.00	4.74	20.20	3.39	0.00	3.39
17.65	4.70	0.00	4.70	20.25	3.38	0.00	3.38
17.70	4.65	0.00	4.65	20.30	3.37	0.00	3.37
17.75	4.61	0.00	4.61	20.35	3.36	0.00	3.36
17.80	4.56	0.00	4.56	20.40	3.35	0.00	3.35
17.85	4.52	0.00	4.52	20.45	3.33	0.00	3.33
17.90	4.47	0.00	4.47	20.50	3.32	0.00	3.32
17.95	4.43	0.00	4.43	20.55	3.31	0.00	3.31
18.00	4.38	0.00	4.38	20.60	3.30	0.00	3.30
18.05	4.34	0.00	4.34	20.65	3.29	0.00	3.29
18.10	4.29	0.00	4.29	20.70	3.28	0.00	3.28
18.15	4.25	0.00	4.25	20.75	3.27	0.00	3.27

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.26	0.00	3.26	23.40	2.67	0.00	2.67
20.85	3.24	0.00	3.24	23.45	2.65	0.00	2.65
20.90	3.23	0.00	3.23	23.50	2.64	0.00	2.64
20.95	3.22	0.00	3.22	23.55	2.63	0.00	2.63
21.00	3.21	0.00	3.21	23.60	2.62	0.00	2.62
21.05	3.20	0.00	3.20	23.65	2.61	0.00	2.61
21.10	3.19	0.00	3.19	23.70	2.60	0.00	2.60
21.15	3.18	0.00	3.18	23.75	2.58	0.00	2.58
21.20	3.17	0.00	3.17	23.80	2.57	0.00	2.57
21.25	3.15	0.00	3.15	23.85	2.56	0.00	2.56
21.30	3.14	0.00	3.14	23.90	2.55	0.00	2.55
21.35	3.13	0.00	3.13	23.95	2.54	0.00	2.54
21.40	3.12	0.00	3.12	24.00	2.53	0.00	2.53
21.45	3.11	0.00	3.11	24.05	2.52	0.00	2.52
21.50	3.10	0.00	3.10	24.10	2.51	0.00	2.51
21.55	3.09	0.00	3.09	24.15	2.49	0.00	2.49
21.60	3.07	0.00	3.07	24.20	2.46	0.00	2.46
21.65	3.06	0.00	3.06	24.25	2.41	0.00	2.41
21.70	3.05	0.00	3.05	24.30	2.34	0.00	2.34
21.75	3.04	0.00	3.04	24.35	2.24	0.00	2.24
21.80	3.03	0.00	3.03	24.40	2.10	0.00	2.10
21.85	3.02	0.00	3.02	24.45	1.93	0.00	1.93
21.90	3.01	0.00	3.01	24.50	1.75	0.00	1.75
21.95	3.00	0.00	3.00	24.55	1.56	0.00	1.56
22.00	2.98	0.00	2.98	24.60	1.37	0.00	1.37
22.05	2.97	0.00	2.97	24.65	1.19	0.00	1.19
22.10	2.96	0.00	2.96	24.70	1.02	0.00	1.02
22.15	2.95	0.00	2.95	24.75	0.86	0.00	0.86
22.20	2.94	0.00	2.94	24.80	0.73	0.00	0.73
22.25	2.93	0.00	2.93	24.85	0.61	0.00	0.61
22.30	2.92	0.00	2.92	24.90	0.51	0.00	0.51
22.35	2.91	0.00	2.91	24.95	0.43	0.00	0.43
22.40	2.89	0.00	2.89	25.00	0.37	0.00	0.37
22.45	2.88	0.00	2.88	25.05	0.31	0.00	0.31
22.50	2.87	0.00	2.87	25.10	0.26	0.00	0.26
22.55	2.86	0.00	2.86	25.15	0.22	0.00	0.22
22.60	2.85	0.00	2.85	25.20	0.19	0.00	0.19
22.65	2.84	0.00	2.84	25.25	0.16	0.00	0.16
22.70	2.82	0.00	2.82	25.30	0.13	0.00	0.13
22.75	2.81	0.00	2.81	25.35	0.11	0.00	0.11
22.80	2.80	0.00	2.80	25.40	0.09	0.00	0.09
22.85	2.79	0.00	2.79	25.45	0.08	0.00	0.08
22.90	2.78	0.00	2.78	25.50	0.07	0.00	0.07
22.95	2.77	0.00	2.77	25.55	0.06	0.00	0.06
23.00	2.76	0.00	2.76	25.60	0.05	0.00	0.05
23.05	2.74	0.00	2.74	25.65	0.04	0.00	0.04
23.10	2.73	0.00	2.73	25.70	0.03	0.00	0.03
23.15	2.72	0.00	2.72	25.75	0.03	0.00	0.03
23.20	2.71	0.00	2.71	25.80	0.02	0.00	0.02
23.25	2.70	0.00	2.70	25.85	0.02	0.00	0.02
23.30	2.69	0.00	2.69	25.90	0.02	0.00	0.02
23.35	2.68	0.00	2.68	25.95	0.01	0.00	0.01

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.01	0.00	0.01	28.60	0.00	0.00	0.00
26.05	0.01	0.00	0.01	28.65	0.00	0.00	0.00
26.10	0.01	0.00	0.01	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-3: Existing Drainage Area #3 (continued)

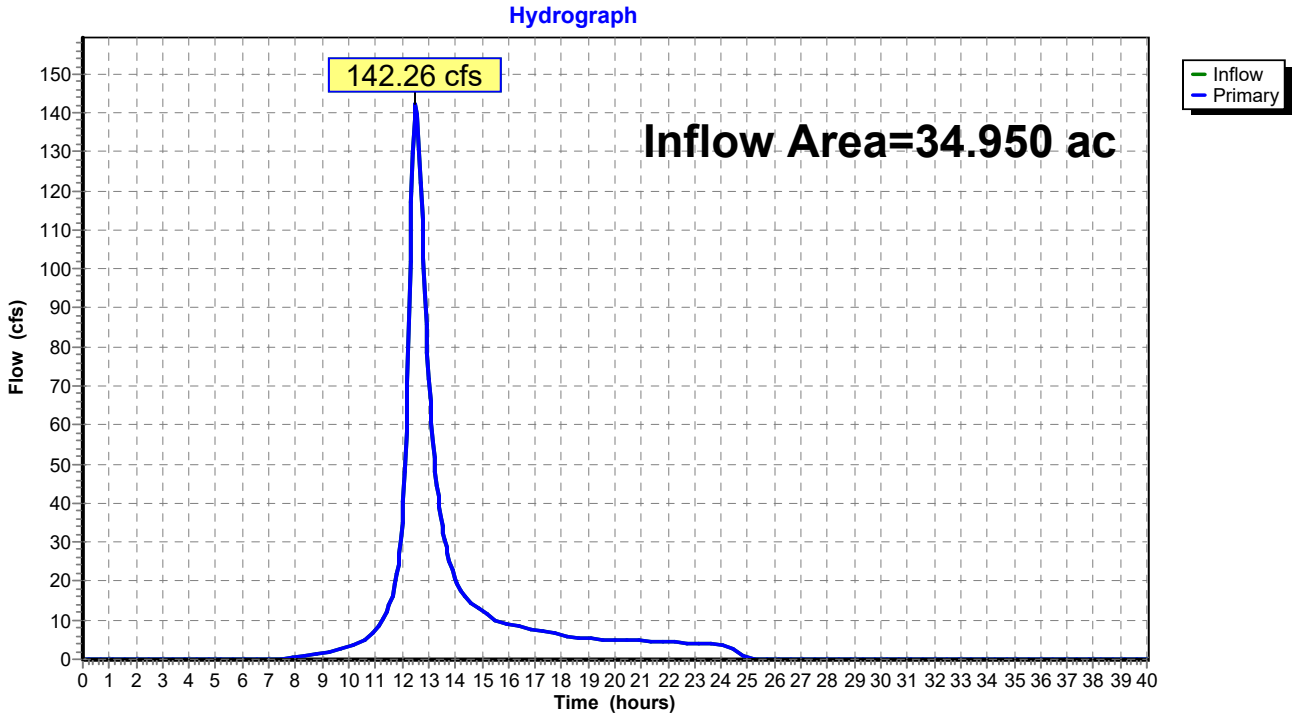
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-4: Existing Drainage Area #4

Inflow Area = 34.950 ac, 0.00% Impervious, Inflow Depth = 6.61" for Future 100 yr event
Inflow = 142.26 cfs @ 12.52 hrs, Volume= 19.263 af
Primary = 142.26 cfs @ 12.52 hrs, Volume= 19.263 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-2

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-4: Existing Drainage Area #4



Hydrograph for Link XDA-4: Existing Drainage Area #4

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.41	0.00	0.41
5.25	0.00	0.00	0.00	7.85	0.44	0.00	0.44
5.30	0.00	0.00	0.00	7.90	0.48	0.00	0.48
5.35	0.00	0.00	0.00	7.95	0.51	0.00	0.51
5.40	0.00	0.00	0.00	8.00	0.55	0.00	0.55
5.45	0.00	0.00	0.00	8.05	0.59	0.00	0.59
5.50	0.00	0.00	0.00	8.10	0.63	0.00	0.63
5.55	0.00	0.00	0.00	8.15	0.66	0.00	0.66
5.60	0.00	0.00	0.00	8.20	0.70	0.00	0.70
5.65	0.00	0.00	0.00	8.25	0.74	0.00	0.74
5.70	0.00	0.00	0.00	8.30	0.78	0.00	0.78
5.75	0.00	0.00	0.00	8.35	0.83	0.00	0.83
5.80	0.00	0.00	0.00	8.40	0.87	0.00	0.87
5.85	0.00	0.00	0.00	8.45	0.91	0.00	0.91
5.90	0.00	0.00	0.00	8.50	0.96	0.00	0.96
5.95	0.00	0.00	0.00	8.55	1.00	0.00	1.00
6.00	0.00	0.00	0.00	8.60	1.05	0.00	1.05
6.05	0.00	0.00	0.00	8.65	1.10	0.00	1.10
6.10	0.00	0.00	0.00	8.70	1.15	0.00	1.15
6.15	0.00	0.00	0.00	8.75	1.20	0.00	1.20
6.20	0.00	0.00	0.00	8.80	1.25	0.00	1.25
6.25	0.00	0.00	0.00	8.85	1.30	0.00	1.30
6.30	0.00	0.00	0.00	8.90	1.36	0.00	1.36
6.35	0.00	0.00	0.00	8.95	1.41	0.00	1.41
6.40	0.00	0.00	0.00	9.00	1.47	0.00	1.47
6.45	0.00	0.00	0.00	9.05	1.52	0.00	1.52
6.50	0.00	0.00	0.00	9.10	1.58	0.00	1.58
6.55	0.00	0.00	0.00	9.15	1.64	0.00	1.64
6.60	0.00	0.00	0.00	9.20	1.70	0.00	1.70
6.65	0.00	0.00	0.00	9.25	1.76	0.00	1.76
6.70	0.00	0.00	0.00	9.30	1.82	0.00	1.82
6.75	0.00	0.00	0.00	9.35	1.90	0.00	1.90
6.80	0.00	0.00	0.00	9.40	1.97	0.00	1.97
6.85	0.00	0.00	0.00	9.45	2.05	0.00	2.05
6.90	0.01	0.00	0.01	9.50	2.14	0.00	2.14
6.95	0.01	0.00	0.01	9.55	2.23	0.00	2.23
7.00	0.02	0.00	0.02	9.60	2.33	0.00	2.33
7.05	0.03	0.00	0.03	9.65	2.43	0.00	2.43
7.10	0.04	0.00	0.04	9.70	2.54	0.00	2.54
7.15	0.06	0.00	0.06	9.75	2.65	0.00	2.65
7.20	0.08	0.00	0.08	9.80	2.77	0.00	2.77
7.25	0.10	0.00	0.10	9.85	2.89	0.00	2.89
7.30	0.12	0.00	0.12	9.90	3.01	0.00	3.01
7.35	0.14	0.00	0.14	9.95	3.14	0.00	3.14
7.40	0.17	0.00	0.17	10.00	3.28	0.00	3.28
7.45	0.19	0.00	0.19	10.05	3.41	0.00	3.41
7.50	0.22	0.00	0.22	10.10	3.56	0.00	3.56
7.55	0.25	0.00	0.25	10.15	3.70	0.00	3.70
7.60	0.28	0.00	0.28	10.20	3.85	0.00	3.85
7.65	0.31	0.00	0.31	10.25	4.01	0.00	4.01
7.70	0.34	0.00	0.34	10.30	4.16	0.00	4.16
7.75	0.37	0.00	0.37	10.35	4.33	0.00	4.33

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	4.49	0.00	4.49	13.00	71.76	0.00	71.76
10.45	4.66	0.00	4.66	13.05	65.84	0.00	65.84
10.50	4.83	0.00	4.83	13.10	60.57	0.00	60.57
10.55	5.01	0.00	5.01	13.15	55.81	0.00	55.81
10.60	5.19	0.00	5.19	13.20	51.61	0.00	51.61
10.65	5.38	0.00	5.38	13.25	47.90	0.00	47.90
10.70	5.59	0.00	5.59	13.30	44.52	0.00	44.52
10.75	5.81	0.00	5.81	13.35	41.57	0.00	41.57
10.80	6.05	0.00	6.05	13.40	38.86	0.00	38.86
10.85	6.32	0.00	6.32	13.45	36.43	0.00	36.43
10.90	6.62	0.00	6.62	13.50	34.26	0.00	34.26
10.95	6.96	0.00	6.96	13.55	32.24	0.00	32.24
11.00	7.34	0.00	7.34	13.60	30.45	0.00	30.45
11.05	7.74	0.00	7.74	13.65	28.77	0.00	28.77
11.10	8.19	0.00	8.19	13.70	27.23	0.00	27.23
11.15	8.68	0.00	8.68	13.75	25.83	0.00	25.83
11.20	9.21	0.00	9.21	13.80	24.51	0.00	24.51
11.25	9.79	0.00	9.79	13.85	23.32	0.00	23.32
11.30	10.42	0.00	10.42	13.90	22.22	0.00	22.22
11.35	11.12	0.00	11.12	13.95	21.21	0.00	21.21
11.40	11.88	0.00	11.88	14.00	20.30	0.00	20.30
11.45	12.70	0.00	12.70	14.05	19.46	0.00	19.46
11.50	13.60	0.00	13.60	14.10	18.73	0.00	18.73
11.55	14.56	0.00	14.56	14.15	18.07	0.00	18.07
11.60	15.64	0.00	15.64	14.20	17.50	0.00	17.50
11.65	16.85	0.00	16.85	14.25	17.01	0.00	17.01
11.70	18.26	0.00	18.26	14.30	16.56	0.00	16.56
11.75	19.93	0.00	19.93	14.35	16.17	0.00	16.17
11.80	21.91	0.00	21.91	14.40	15.80	0.00	15.80
11.85	24.30	0.00	24.30	14.45	15.45	0.00	15.45
11.90	27.13	0.00	27.13	14.50	15.14	0.00	15.14
11.95	30.56	0.00	30.56	14.55	14.82	0.00	14.82
12.00	34.90	0.00	34.90	14.60	14.53	0.00	14.53
12.05	40.51	0.00	40.51	14.65	14.25	0.00	14.25
12.10	48.16	0.00	48.16	14.70	13.97	0.00	13.97
12.15	58.26	0.00	58.26	14.75	13.70	0.00	13.70
12.20	71.04	0.00	71.04	14.80	13.43	0.00	13.43
12.25	86.01	0.00	86.01	14.85	13.18	0.00	13.18
12.30	101.98	0.00	101.98	14.90	12.92	0.00	12.92
12.35	117.21	0.00	117.21	14.95	12.67	0.00	12.67
12.40	129.82	0.00	129.82	15.00	12.42	0.00	12.42
12.45	138.09	0.00	138.09	15.05	12.17	0.00	12.17
12.50	**141.96**	0.00	**141.96**	15.10	11.92	0.00	11.92
12.55	141.34	0.00	141.34	15.15	11.67	0.00	11.67
12.60	137.55	0.00	137.55	15.20	11.42	0.00	11.42
12.65	130.70	0.00	130.70	15.25	11.19	0.00	11.19
12.70	122.06	0.00	122.06	15.30	10.94	0.00	10.94
12.75	112.49	0.00	112.49	15.35	10.72	0.00	10.72
12.80	102.77	0.00	102.77	15.40	10.50	0.00	10.50
12.85	93.77	0.00	93.77	15.45	10.29	0.00	10.29
12.90	85.65	0.00	85.65	15.50	10.11	0.00	10.11
12.95	78.33	0.00	78.33	15.55	9.94	0.00	9.94

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	9.79	0.00	9.79	18.20	6.01	0.00	6.01
15.65	9.65	0.00	9.65	18.25	5.95	0.00	5.95
15.70	9.52	0.00	9.52	18.30	5.88	0.00	5.88
15.75	9.41	0.00	9.41	18.35	5.82	0.00	5.82
15.80	9.30	0.00	9.30	18.40	5.77	0.00	5.77
15.85	9.20	0.00	9.20	18.45	5.71	0.00	5.71
15.90	9.11	0.00	9.11	18.50	5.66	0.00	5.66
15.95	9.02	0.00	9.02	18.55	5.61	0.00	5.61
16.00	8.95	0.00	8.95	18.60	5.57	0.00	5.57
16.05	8.86	0.00	8.86	18.65	5.54	0.00	5.54
16.10	8.79	0.00	8.79	18.70	5.50	0.00	5.50
16.15	8.71	0.00	8.71	18.75	5.47	0.00	5.47
16.20	8.64	0.00	8.64	18.80	5.44	0.00	5.44
16.25	8.57	0.00	8.57	18.85	5.42	0.00	5.42
16.30	8.50	0.00	8.50	18.90	5.40	0.00	5.40
16.35	8.43	0.00	8.43	18.95	5.37	0.00	5.37
16.40	8.37	0.00	8.37	19.00	5.35	0.00	5.35
16.45	8.30	0.00	8.30	19.05	5.33	0.00	5.33
16.50	8.24	0.00	8.24	19.10	5.31	0.00	5.31
16.55	8.17	0.00	8.17	19.15	5.29	0.00	5.29
16.60	8.10	0.00	8.10	19.20	5.27	0.00	5.27
16.65	8.04	0.00	8.04	19.25	5.26	0.00	5.26
16.70	7.97	0.00	7.97	19.30	5.24	0.00	5.24
16.75	7.91	0.00	7.91	19.35	5.22	0.00	5.22
16.80	7.84	0.00	7.84	19.40	5.21	0.00	5.21
16.85	7.77	0.00	7.77	19.45	5.19	0.00	5.19
16.90	7.71	0.00	7.71	19.50	5.17	0.00	5.17
16.95	7.64	0.00	7.64	19.55	5.15	0.00	5.15
17.00	7.58	0.00	7.58	19.60	5.14	0.00	5.14
17.05	7.51	0.00	7.51	19.65	5.12	0.00	5.12
17.10	7.45	0.00	7.45	19.70	5.10	0.00	5.10
17.15	7.39	0.00	7.39	19.75	5.09	0.00	5.09
17.20	7.32	0.00	7.32	19.80	5.07	0.00	5.07
17.25	7.26	0.00	7.26	19.85	5.06	0.00	5.06
17.30	7.19	0.00	7.19	19.90	5.04	0.00	5.04
17.35	7.13	0.00	7.13	19.95	5.02	0.00	5.02
17.40	7.06	0.00	7.06	20.00	5.01	0.00	5.01
17.45	7.00	0.00	7.00	20.05	4.99	0.00	4.99
17.50	6.93	0.00	6.93	20.10	4.98	0.00	4.98
17.55	6.87	0.00	6.87	20.15	4.97	0.00	4.97
17.60	6.80	0.00	6.80	20.20	4.95	0.00	4.95
17.65	6.74	0.00	6.74	20.25	4.93	0.00	4.93
17.70	6.67	0.00	6.67	20.30	4.92	0.00	4.92
17.75	6.60	0.00	6.60	20.35	4.90	0.00	4.90
17.80	6.54	0.00	6.54	20.40	4.88	0.00	4.88
17.85	6.47	0.00	6.47	20.45	4.86	0.00	4.86
17.90	6.41	0.00	6.41	20.50	4.85	0.00	4.85
17.95	6.34	0.00	6.34	20.55	4.83	0.00	4.83
18.00	6.28	0.00	6.28	20.60	4.81	0.00	4.81
18.05	6.21	0.00	6.21	20.65	4.80	0.00	4.80
18.10	6.15	0.00	6.15	20.70	4.78	0.00	4.78
18.15	6.08	0.00	6.08	20.75	4.77	0.00	4.77

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.75	0.00	4.75	23.40	3.90	0.00	3.90
20.85	4.73	0.00	4.73	23.45	3.88	0.00	3.88
20.90	4.72	0.00	4.72	23.50	3.86	0.00	3.86
20.95	4.70	0.00	4.70	23.55	3.85	0.00	3.85
21.00	4.69	0.00	4.69	23.60	3.83	0.00	3.83
21.05	4.67	0.00	4.67	23.65	3.81	0.00	3.81
21.10	4.65	0.00	4.65	23.70	3.79	0.00	3.79
21.15	4.64	0.00	4.64	23.75	3.78	0.00	3.78
21.20	4.62	0.00	4.62	23.80	3.76	0.00	3.76
21.25	4.60	0.00	4.60	23.85	3.74	0.00	3.74
21.30	4.59	0.00	4.59	23.90	3.73	0.00	3.73
21.35	4.57	0.00	4.57	23.95	3.71	0.00	3.71
21.40	4.55	0.00	4.55	24.00	3.70	0.00	3.70
21.45	4.54	0.00	4.54	24.05	3.69	0.00	3.69
21.50	4.52	0.00	4.52	24.10	3.67	0.00	3.67
21.55	4.51	0.00	4.51	24.15	3.65	0.00	3.65
21.60	4.49	0.00	4.49	24.20	3.59	0.00	3.59
21.65	4.48	0.00	4.48	24.25	3.48	0.00	3.48
21.70	4.46	0.00	4.46	24.30	3.31	0.00	3.31
21.75	4.44	0.00	4.44	24.35	3.06	0.00	3.06
21.80	4.42	0.00	4.42	24.40	2.77	0.00	2.77
21.85	4.41	0.00	4.41	24.45	2.44	0.00	2.44
21.90	4.39	0.00	4.39	24.50	2.12	0.00	2.12
21.95	4.37	0.00	4.37	24.55	1.79	0.00	1.79
22.00	4.36	0.00	4.36	24.60	1.49	0.00	1.49
22.05	4.34	0.00	4.34	24.65	1.23	0.00	1.23
22.10	4.32	0.00	4.32	24.70	1.00	0.00	1.00
22.15	4.31	0.00	4.31	24.75	0.82	0.00	0.82
22.20	4.29	0.00	4.29	24.80	0.67	0.00	0.67
22.25	4.28	0.00	4.28	24.85	0.55	0.00	0.55
22.30	4.26	0.00	4.26	24.90	0.45	0.00	0.45
22.35	4.24	0.00	4.24	24.95	0.37	0.00	0.37
22.40	4.23	0.00	4.23	25.00	0.30	0.00	0.30
22.45	4.21	0.00	4.21	25.05	0.25	0.00	0.25
22.50	4.20	0.00	4.20	25.10	0.20	0.00	0.20
22.55	4.18	0.00	4.18	25.15	0.17	0.00	0.17
22.60	4.16	0.00	4.16	25.20	0.14	0.00	0.14
22.65	4.15	0.00	4.15	25.25	0.11	0.00	0.11
22.70	4.13	0.00	4.13	25.30	0.09	0.00	0.09
22.75	4.11	0.00	4.11	25.35	0.07	0.00	0.07
22.80	4.10	0.00	4.10	25.40	0.06	0.00	0.06
22.85	4.08	0.00	4.08	25.45	0.05	0.00	0.05
22.90	4.06	0.00	4.06	25.50	0.04	0.00	0.04
22.95	4.04	0.00	4.04	25.55	0.03	0.00	0.03
23.00	4.03	0.00	4.03	25.60	0.02	0.00	0.02
23.05	4.01	0.00	4.01	25.65	0.02	0.00	0.02
23.10	3.99	0.00	3.99	25.70	0.02	0.00	0.02
23.15	3.98	0.00	3.98	25.75	0.01	0.00	0.01
23.20	3.96	0.00	3.96	25.80	0.01	0.00	0.01
23.25	3.95	0.00	3.95	25.85	0.01	0.00	0.01
23.30	3.93	0.00	3.93	25.90	0.00	0.00	0.00
23.35	3.91	0.00	3.91	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-4: Existing Drainage Area #4 (continued)

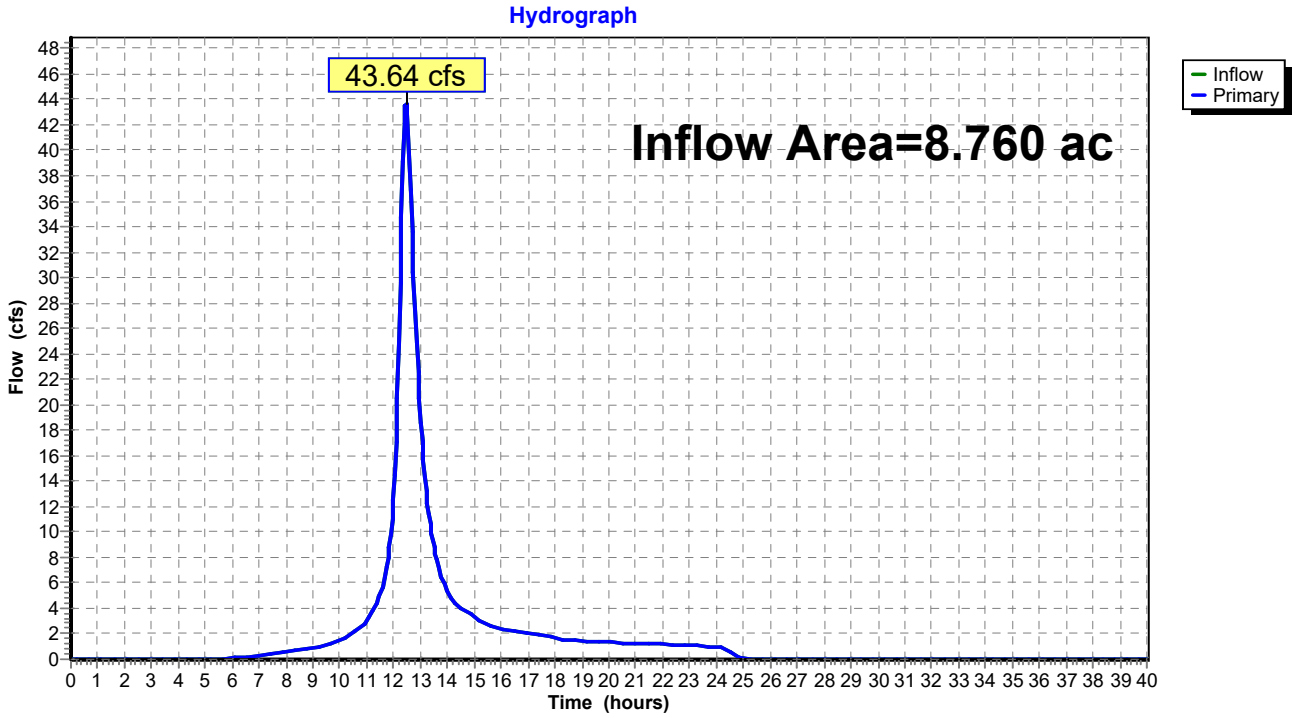
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-5: Existing Drainage Area #5

Inflow Area = 8.760 ac, 0.00% Impervious, Inflow Depth = 7.85" for Future 100 yr event
Inflow = 43.64 cfs @ 12.47 hrs, Volume= 5.731 af
Primary = 43.64 cfs @ 12.47 hrs, Volume= 5.731 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-5: Existing Drainage Area #5



Hydrograph for Link XDA-5: Existing Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.01	0.00	0.01	7.80	0.49	0.00	0.49
5.25	0.01	0.00	0.01	7.85	0.50	0.00	0.50
5.30	0.01	0.00	0.01	7.90	0.52	0.00	0.52
5.35	0.02	0.00	0.02	7.95	0.53	0.00	0.53
5.40	0.02	0.00	0.02	8.00	0.55	0.00	0.55
5.45	0.03	0.00	0.03	8.05	0.56	0.00	0.56
5.50	0.03	0.00	0.03	8.10	0.58	0.00	0.58
5.55	0.04	0.00	0.04	8.15	0.59	0.00	0.59
5.60	0.05	0.00	0.05	8.20	0.61	0.00	0.61
5.65	0.05	0.00	0.05	8.25	0.62	0.00	0.62
5.70	0.06	0.00	0.06	8.30	0.64	0.00	0.64
5.75	0.07	0.00	0.07	8.35	0.66	0.00	0.66
5.80	0.07	0.00	0.07	8.40	0.67	0.00	0.67
5.85	0.08	0.00	0.08	8.45	0.69	0.00	0.69
5.90	0.09	0.00	0.09	8.50	0.71	0.00	0.71
5.95	0.09	0.00	0.09	8.55	0.72	0.00	0.72
6.00	0.10	0.00	0.10	8.60	0.74	0.00	0.74
6.05	0.11	0.00	0.11	8.65	0.76	0.00	0.76
6.10	0.12	0.00	0.12	8.70	0.77	0.00	0.77
6.15	0.12	0.00	0.12	8.75	0.79	0.00	0.79
6.20	0.13	0.00	0.13	8.80	0.81	0.00	0.81
6.25	0.14	0.00	0.14	8.85	0.83	0.00	0.83
6.30	0.15	0.00	0.15	8.90	0.85	0.00	0.85
6.35	0.15	0.00	0.15	8.95	0.86	0.00	0.86
6.40	0.16	0.00	0.16	9.00	0.88	0.00	0.88
6.45	0.17	0.00	0.17	9.05	0.90	0.00	0.90
6.50	0.18	0.00	0.18	9.10	0.92	0.00	0.92
6.55	0.19	0.00	0.19	9.15	0.94	0.00	0.94
6.60	0.20	0.00	0.20	9.20	0.96	0.00	0.96
6.65	0.21	0.00	0.21	9.25	0.98	0.00	0.98
6.70	0.22	0.00	0.22	9.30	1.00	0.00	1.00
6.75	0.23	0.00	0.23	9.35	1.03	0.00	1.03
6.80	0.24	0.00	0.24	9.40	1.06	0.00	1.06
6.85	0.25	0.00	0.25	9.45	1.09	0.00	1.09
6.90	0.26	0.00	0.26	9.50	1.12	0.00	1.12
6.95	0.27	0.00	0.27	9.55	1.15	0.00	1.15
7.00	0.28	0.00	0.28	9.60	1.19	0.00	1.19
7.05	0.29	0.00	0.29	9.65	1.23	0.00	1.23
7.10	0.30	0.00	0.30	9.70	1.27	0.00	1.27
7.15	0.32	0.00	0.32	9.75	1.31	0.00	1.31
7.20	0.33	0.00	0.33	9.80	1.36	0.00	1.36
7.25	0.34	0.00	0.34	9.85	1.40	0.00	1.40
7.30	0.35	0.00	0.35	9.90	1.45	0.00	1.45
7.35	0.36	0.00	0.36	9.95	1.50	0.00	1.50
7.40	0.38	0.00	0.38	10.00	1.54	0.00	1.54
7.45	0.39	0.00	0.39	10.05	1.59	0.00	1.59
7.50	0.40	0.00	0.40	10.10	1.64	0.00	1.64
7.55	0.42	0.00	0.42	10.15	1.69	0.00	1.69
7.60	0.43	0.00	0.43	10.20	1.75	0.00	1.75
7.65	0.44	0.00	0.44	10.25	1.80	0.00	1.80
7.70	0.46	0.00	0.46	10.30	1.85	0.00	1.85
7.75	0.47	0.00	0.47	10.35	1.91	0.00	1.91

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.96	0.00	1.96	13.00	18.63	0.00	18.63
10.45	2.02	0.00	2.02	13.05	17.02	0.00	17.02
10.50	2.08	0.00	2.08	13.10	15.59	0.00	15.59
10.55	2.14	0.00	2.14	13.15	14.34	0.00	14.34
10.60	2.20	0.00	2.20	13.20	13.25	0.00	13.25
10.65	2.26	0.00	2.26	13.25	12.28	0.00	12.28
10.70	2.33	0.00	2.33	13.30	11.42	0.00	11.42
10.75	2.40	0.00	2.40	13.35	10.65	0.00	10.65
10.80	2.49	0.00	2.49	13.40	9.96	0.00	9.96
10.85	2.58	0.00	2.58	13.45	9.34	0.00	9.34
10.90	2.69	0.00	2.69	13.50	8.78	0.00	8.78
10.95	2.81	0.00	2.81	13.55	8.27	0.00	8.27
11.00	2.95	0.00	2.95	13.60	7.81	0.00	7.81
11.05	3.10	0.00	3.10	13.65	7.39	0.00	7.39
11.10	3.26	0.00	3.26	13.70	7.00	0.00	7.00
11.15	3.43	0.00	3.43	13.75	6.65	0.00	6.65
11.20	3.61	0.00	3.61	13.80	6.31	0.00	6.31
11.25	3.81	0.00	3.81	13.85	6.00	0.00	6.00
11.30	4.03	0.00	4.03	13.90	5.72	0.00	5.72
11.35	4.28	0.00	4.28	13.95	5.46	0.00	5.46
11.40	4.54	0.00	4.54	14.00	5.24	0.00	5.24
11.45	4.83	0.00	4.83	14.05	5.04	0.00	5.04
11.50	5.14	0.00	5.14	14.10	4.88	0.00	4.88
11.55	5.46	0.00	5.46	14.15	4.73	0.00	4.73
11.60	5.82	0.00	5.82	14.20	4.60	0.00	4.60
11.65	6.24	0.00	6.24	14.25	4.49	0.00	4.49
11.70	6.71	0.00	6.71	14.30	4.38	0.00	4.38
11.75	7.28	0.00	7.28	14.35	4.28	0.00	4.28
11.80	7.97	0.00	7.97	14.40	4.19	0.00	4.19
11.85	8.80	0.00	8.80	14.45	4.10	0.00	4.10
11.90	9.79	0.00	9.79	14.50	4.02	0.00	4.02
11.95	10.99	0.00	10.99	14.55	3.95	0.00	3.95
12.00	12.51	0.00	12.51	14.60	3.87	0.00	3.87
12.05	14.47	0.00	14.47	14.65	3.80	0.00	3.80
12.10	17.05	0.00	17.05	14.70	3.72	0.00	3.72
12.15	20.53	0.00	20.53	14.75	3.65	0.00	3.65
12.20	24.78	0.00	24.78	14.80	3.58	0.00	3.58
12.25	29.62	0.00	29.62	14.85	3.51	0.00	3.51
12.30	34.65	0.00	34.65	14.90	3.44	0.00	3.44
12.35	39.03	0.00	39.03	14.95	3.38	0.00	3.38
12.40	42.08	0.00	42.08	15.00	3.31	0.00	3.31
12.45	**43.47**	0.00	**43.47**	15.05	3.24	0.00	3.24
12.50	43.45	0.00	43.45	15.10	3.17	0.00	3.17
12.55	42.06	0.00	42.06	15.15	3.10	0.00	3.10
12.60	39.79	0.00	39.79	15.20	3.04	0.00	3.04
12.65	36.85	0.00	36.85	15.25	2.97	0.00	2.97
12.70	33.54	0.00	33.54	15.30	2.91	0.00	2.91
12.75	30.38	0.00	30.38	15.35	2.85	0.00	2.85
12.80	27.49	0.00	27.49	15.40	2.79	0.00	2.79
12.85	24.88	0.00	24.88	15.45	2.74	0.00	2.74
12.90	22.56	0.00	22.56	15.50	2.69	0.00	2.69
12.95	20.48	0.00	20.48	15.55	2.65	0.00	2.65

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.61	0.00	2.61	18.20	1.60	0.00	1.60
15.65	2.57	0.00	2.57	18.25	1.58	0.00	1.58
15.70	2.54	0.00	2.54	18.30	1.57	0.00	1.57
15.75	2.51	0.00	2.51	18.35	1.55	0.00	1.55
15.80	2.49	0.00	2.49	18.40	1.54	0.00	1.54
15.85	2.46	0.00	2.46	18.45	1.52	0.00	1.52
15.90	2.44	0.00	2.44	18.50	1.51	0.00	1.51
15.95	2.42	0.00	2.42	18.55	1.50	0.00	1.50
16.00	2.40	0.00	2.40	18.60	1.49	0.00	1.49
16.05	2.37	0.00	2.37	18.65	1.48	0.00	1.48
16.10	2.35	0.00	2.35	18.70	1.47	0.00	1.47
16.15	2.33	0.00	2.33	18.75	1.46	0.00	1.46
16.20	2.31	0.00	2.31	18.80	1.45	0.00	1.45
16.25	2.30	0.00	2.30	18.85	1.45	0.00	1.45
16.30	2.28	0.00	2.28	18.90	1.44	0.00	1.44
16.35	2.26	0.00	2.26	18.95	1.44	0.00	1.44
16.40	2.24	0.00	2.24	19.00	1.43	0.00	1.43
16.45	2.22	0.00	2.22	19.05	1.43	0.00	1.43
16.50	2.21	0.00	2.21	19.10	1.42	0.00	1.42
16.55	2.19	0.00	2.19	19.15	1.42	0.00	1.42
16.60	2.17	0.00	2.17	19.20	1.41	0.00	1.41
16.65	2.15	0.00	2.15	19.25	1.41	0.00	1.41
16.70	2.13	0.00	2.13	19.30	1.40	0.00	1.40
16.75	2.12	0.00	2.12	19.35	1.40	0.00	1.40
16.80	2.10	0.00	2.10	19.40	1.39	0.00	1.39
16.85	2.08	0.00	2.08	19.45	1.39	0.00	1.39
16.90	2.06	0.00	2.06	19.50	1.38	0.00	1.38
16.95	2.05	0.00	2.05	19.55	1.38	0.00	1.38
17.00	2.03	0.00	2.03	19.60	1.37	0.00	1.37
17.05	2.01	0.00	2.01	19.65	1.37	0.00	1.37
17.10	1.99	0.00	1.99	19.70	1.37	0.00	1.37
17.15	1.98	0.00	1.98	19.75	1.36	0.00	1.36
17.20	1.96	0.00	1.96	19.80	1.36	0.00	1.36
17.25	1.94	0.00	1.94	19.85	1.35	0.00	1.35
17.30	1.92	0.00	1.92	19.90	1.35	0.00	1.35
17.35	1.90	0.00	1.90	19.95	1.34	0.00	1.34
17.40	1.89	0.00	1.89	20.00	1.34	0.00	1.34
17.45	1.87	0.00	1.87	20.05	1.34	0.00	1.34
17.50	1.85	0.00	1.85	20.10	1.33	0.00	1.33
17.55	1.83	0.00	1.83	20.15	1.33	0.00	1.33
17.60	1.81	0.00	1.81	20.20	1.32	0.00	1.32
17.65	1.80	0.00	1.80	20.25	1.32	0.00	1.32
17.70	1.78	0.00	1.78	20.30	1.31	0.00	1.31
17.75	1.76	0.00	1.76	20.35	1.31	0.00	1.31
17.80	1.74	0.00	1.74	20.40	1.30	0.00	1.30
17.85	1.73	0.00	1.73	20.45	1.30	0.00	1.30
17.90	1.71	0.00	1.71	20.50	1.29	0.00	1.29
17.95	1.69	0.00	1.69	20.55	1.29	0.00	1.29
18.00	1.67	0.00	1.67	20.60	1.29	0.00	1.29
18.05	1.65	0.00	1.65	20.65	1.28	0.00	1.28
18.10	1.64	0.00	1.64	20.70	1.28	0.00	1.28
18.15	1.62	0.00	1.62	20.75	1.27	0.00	1.27

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.27	0.00	1.27	23.40	1.04	0.00	1.04
20.85	1.26	0.00	1.26	23.45	1.03	0.00	1.03
20.90	1.26	0.00	1.26	23.50	1.03	0.00	1.03
20.95	1.26	0.00	1.26	23.55	1.02	0.00	1.02
21.00	1.25	0.00	1.25	23.60	1.02	0.00	1.02
21.05	1.25	0.00	1.25	23.65	1.01	0.00	1.01
21.10	1.24	0.00	1.24	23.70	1.01	0.00	1.01
21.15	1.24	0.00	1.24	23.75	1.00	0.00	1.00
21.20	1.23	0.00	1.23	23.80	1.00	0.00	1.00
21.25	1.23	0.00	1.23	23.85	1.00	0.00	1.00
21.30	1.22	0.00	1.22	23.90	0.99	0.00	0.99
21.35	1.22	0.00	1.22	23.95	0.99	0.00	0.99
21.40	1.21	0.00	1.21	24.00	0.98	0.00	0.98
21.45	1.21	0.00	1.21	24.05	0.98	0.00	0.98
21.50	1.21	0.00	1.21	24.10	0.98	0.00	0.98
21.55	1.20	0.00	1.20	24.15	0.97	0.00	0.97
21.60	1.20	0.00	1.20	24.20	0.95	0.00	0.95
21.65	1.19	0.00	1.19	24.25	0.92	0.00	0.92
21.70	1.19	0.00	1.19	24.30	0.86	0.00	0.86
21.75	1.18	0.00	1.18	24.35	0.77	0.00	0.77
21.80	1.18	0.00	1.18	24.40	0.68	0.00	0.68
21.85	1.17	0.00	1.17	24.45	0.58	0.00	0.58
21.90	1.17	0.00	1.17	24.50	0.49	0.00	0.49
21.95	1.17	0.00	1.17	24.55	0.40	0.00	0.40
22.00	1.16	0.00	1.16	24.60	0.32	0.00	0.32
22.05	1.16	0.00	1.16	24.65	0.26	0.00	0.26
22.10	1.15	0.00	1.15	24.70	0.21	0.00	0.21
22.15	1.15	0.00	1.15	24.75	0.17	0.00	0.17
22.20	1.14	0.00	1.14	24.80	0.14	0.00	0.14
22.25	1.14	0.00	1.14	24.85	0.11	0.00	0.11
22.30	1.14	0.00	1.14	24.90	0.09	0.00	0.09
22.35	1.13	0.00	1.13	24.95	0.07	0.00	0.07
22.40	1.13	0.00	1.13	25.00	0.06	0.00	0.06
22.45	1.12	0.00	1.12	25.05	0.05	0.00	0.05
22.50	1.12	0.00	1.12	25.10	0.04	0.00	0.04
22.55	1.11	0.00	1.11	25.15	0.03	0.00	0.03
22.60	1.11	0.00	1.11	25.20	0.02	0.00	0.02
22.65	1.10	0.00	1.10	25.25	0.02	0.00	0.02
22.70	1.10	0.00	1.10	25.30	0.02	0.00	0.02
22.75	1.09	0.00	1.09	25.35	0.01	0.00	0.01
22.80	1.09	0.00	1.09	25.40	0.01	0.00	0.01
22.85	1.09	0.00	1.09	25.45	0.01	0.00	0.01
22.90	1.08	0.00	1.08	25.50	0.01	0.00	0.01
22.95	1.08	0.00	1.08	25.55	0.00	0.00	0.00
23.00	1.07	0.00	1.07	25.60	0.00	0.00	0.00
23.05	1.07	0.00	1.07	25.65	0.00	0.00	0.00
23.10	1.06	0.00	1.06	25.70	0.00	0.00	0.00
23.15	1.06	0.00	1.06	25.75	0.00	0.00	0.00
23.20	1.05	0.00	1.05	25.80	0.00	0.00	0.00
23.25	1.05	0.00	1.05	25.85	0.00	0.00	0.00
23.30	1.05	0.00	1.05	25.90	0.00	0.00	0.00
23.35	1.04	0.00	1.04	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-5: Existing Drainage Area #5 (continued)

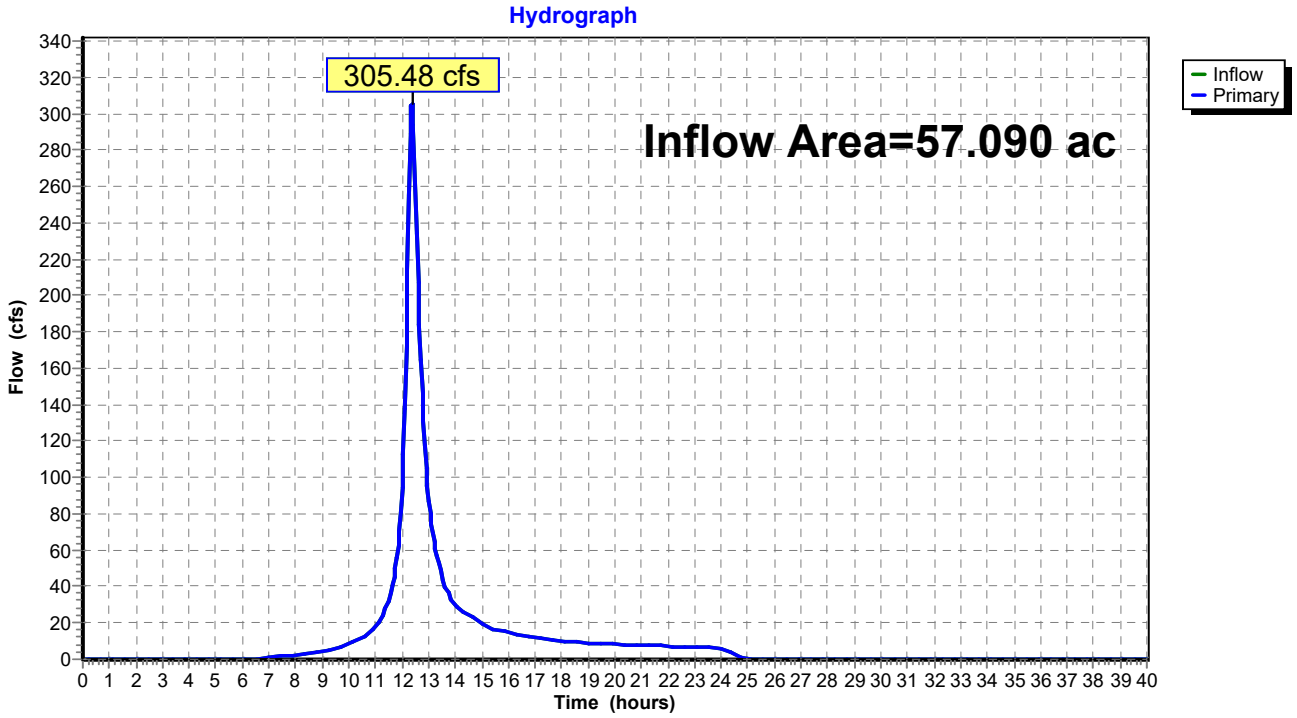
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6: Existing Drainage Area #6

Inflow Area = 57.090 ac, 1.33% Impervious, Inflow Depth = 7.28" for Future 100 yr event
Inflow = 305.48 cfs @ 12.37 hrs, Volume= 34.630 af
Primary = 305.48 cfs @ 12.37 hrs, Volume= 34.630 af, Atten= 0%, Lag= 0.0 min
Routed to nonexistent node DP-3

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6: Existing Drainage Area #6



Hydrograph for Link XDA-6: Existing Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.08	0.00	0.08
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.08	0.00	0.08
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.09	0.00	0.09
0.65	0.00	0.00	0.00	3.25	0.09	0.00	0.09
0.70	0.00	0.00	0.00	3.30	0.09	0.00	0.09
0.75	0.01	0.00	0.01	3.35	0.10	0.00	0.10
0.80	0.01	0.00	0.01	3.40	0.10	0.00	0.10
0.85	0.01	0.00	0.01	3.45	0.10	0.00	0.10
0.90	0.02	0.00	0.02	3.50	0.10	0.00	0.10
0.95	0.02	0.00	0.02	3.55	0.10	0.00	0.10
1.00	0.02	0.00	0.02	3.60	0.10	0.00	0.10
1.05	0.03	0.00	0.03	3.65	0.10	0.00	0.10
1.10	0.03	0.00	0.03	3.70	0.10	0.00	0.10
1.15	0.03	0.00	0.03	3.75	0.10	0.00	0.10
1.20	0.03	0.00	0.03	3.80	0.10	0.00	0.10
1.25	0.04	0.00	0.04	3.85	0.10	0.00	0.10
1.30	0.04	0.00	0.04	3.90	0.10	0.00	0.10
1.35	0.04	0.00	0.04	3.95	0.10	0.00	0.10
1.40	0.04	0.00	0.04	4.00	0.10	0.00	0.10
1.45	0.05	0.00	0.05	4.05	0.11	0.00	0.11
1.50	0.05	0.00	0.05	4.10	0.11	0.00	0.11
1.55	0.05	0.00	0.05	4.15	0.11	0.00	0.11
1.60	0.05	0.00	0.05	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.06	0.00	0.06	4.30	0.11	0.00	0.11
1.75	0.06	0.00	0.06	4.35	0.11	0.00	0.11
1.80	0.06	0.00	0.06	4.40	0.11	0.00	0.11
1.85	0.06	0.00	0.06	4.45	0.11	0.00	0.11
1.90	0.06	0.00	0.06	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.11	0.00	0.11
2.05	0.07	0.00	0.07	4.65	0.11	0.00	0.11
2.10	0.07	0.00	0.07	4.70	0.11	0.00	0.11
2.15	0.07	0.00	0.07	4.75	0.11	0.00	0.11
2.20	0.07	0.00	0.07	4.80	0.11	0.00	0.11
2.25	0.07	0.00	0.07	4.85	0.11	0.00	0.11
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.08	0.00	0.08	5.10	0.12	0.00	0.12
2.55	0.08	0.00	0.08	5.15	0.12	0.00	0.12

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	2.12	0.00	2.12
5.25	0.12	0.00	0.12	7.85	2.20	0.00	2.20
5.30	0.12	0.00	0.12	7.90	2.29	0.00	2.29
5.35	0.12	0.00	0.12	7.95	2.37	0.00	2.37
5.40	0.12	0.00	0.12	8.00	2.46	0.00	2.46
5.45	0.12	0.00	0.12	8.05	2.55	0.00	2.55
5.50	0.12	0.00	0.12	8.10	2.64	0.00	2.64
5.55	0.12	0.00	0.12	8.15	2.73	0.00	2.73
5.60	0.12	0.00	0.12	8.20	2.82	0.00	2.82
5.65	0.12	0.00	0.12	8.25	2.91	0.00	2.91
5.70	0.12	0.00	0.12	8.30	3.00	0.00	3.00
5.75	0.12	0.00	0.12	8.35	3.10	0.00	3.10
5.80	0.13	0.00	0.13	8.40	3.19	0.00	3.19
5.85	0.13	0.00	0.13	8.45	3.29	0.00	3.29
5.90	0.13	0.00	0.13	8.50	3.38	0.00	3.38
5.95	0.13	0.00	0.13	8.55	3.48	0.00	3.48
6.00	0.14	0.00	0.14	8.60	3.58	0.00	3.58
6.05	0.15	0.00	0.15	8.65	3.68	0.00	3.68
6.10	0.17	0.00	0.17	8.70	3.79	0.00	3.79
6.15	0.18	0.00	0.18	8.75	3.89	0.00	3.89
6.20	0.21	0.00	0.21	8.80	3.99	0.00	3.99
6.25	0.23	0.00	0.23	8.85	4.10	0.00	4.10
6.30	0.26	0.00	0.26	8.90	4.21	0.00	4.21
6.35	0.30	0.00	0.30	8.95	4.31	0.00	4.31
6.40	0.34	0.00	0.34	9.00	4.42	0.00	4.42
6.45	0.38	0.00	0.38	9.05	4.53	0.00	4.53
6.50	0.42	0.00	0.42	9.10	4.64	0.00	4.64
6.55	0.47	0.00	0.47	9.15	4.76	0.00	4.76
6.60	0.52	0.00	0.52	9.20	4.89	0.00	4.89
6.65	0.57	0.00	0.57	9.25	5.03	0.00	5.03
6.70	0.62	0.00	0.62	9.30	5.19	0.00	5.19
6.75	0.68	0.00	0.68	9.35	5.36	0.00	5.36
6.80	0.73	0.00	0.73	9.40	5.55	0.00	5.55
6.85	0.79	0.00	0.79	9.45	5.75	0.00	5.75
6.90	0.85	0.00	0.85	9.50	5.97	0.00	5.97
6.95	0.91	0.00	0.91	9.55	6.19	0.00	6.19
7.00	0.97	0.00	0.97	9.60	6.42	0.00	6.42
7.05	1.03	0.00	1.03	9.65	6.67	0.00	6.67
7.10	1.09	0.00	1.09	9.70	6.92	0.00	6.92
7.15	1.16	0.00	1.16	9.75	7.17	0.00	7.17
7.20	1.23	0.00	1.23	9.80	7.44	0.00	7.44
7.25	1.29	0.00	1.29	9.85	7.71	0.00	7.71
7.30	1.36	0.00	1.36	9.90	7.98	0.00	7.98
7.35	1.43	0.00	1.43	9.95	8.26	0.00	8.26
7.40	1.51	0.00	1.51	10.00	8.55	0.00	8.55
7.45	1.58	0.00	1.58	10.05	8.85	0.00	8.85
7.50	1.65	0.00	1.65	10.10	9.15	0.00	9.15
7.55	1.73	0.00	1.73	10.15	9.46	0.00	9.46
7.60	1.80	0.00	1.80	10.20	9.77	0.00	9.77
7.65	1.88	0.00	1.88	10.25	10.09	0.00	10.09
7.70	1.96	0.00	1.96	10.30	10.42	0.00	10.42
7.75	2.04	0.00	2.04	10.35	10.75	0.00	10.75

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	11.09	0.00	11.09	13.00	87.03	0.00	87.03
10.45	11.43	0.00	11.43	13.05	80.11	0.00	80.11
10.50	11.78	0.00	11.78	13.10	74.19	0.00	74.19
10.55	12.13	0.00	12.13	13.15	69.01	0.00	69.01
10.60	12.51	0.00	12.51	13.20	64.39	0.00	64.39
10.65	12.91	0.00	12.91	13.25	60.26	0.00	60.26
10.70	13.37	0.00	13.37	13.30	56.54	0.00	56.54
10.75	13.92	0.00	13.92	13.35	53.19	0.00	53.19
10.80	14.55	0.00	14.55	13.40	50.15	0.00	50.15
10.85	15.27	0.00	15.27	13.45	47.41	0.00	47.41
10.90	16.08	0.00	16.08	13.50	44.93	0.00	44.93
10.95	16.97	0.00	16.97	13.55	42.70	0.00	42.70
11.00	17.93	0.00	17.93	13.60	40.69	0.00	40.69
11.05	18.94	0.00	18.94	13.65	38.81	0.00	38.81
11.10	20.02	0.00	20.02	13.70	37.03	0.00	37.03
11.15	21.18	0.00	21.18	13.75	35.36	0.00	35.36
11.20	22.45	0.00	22.45	13.80	33.83	0.00	33.83
11.25	23.86	0.00	23.86	13.85	32.46	0.00	32.46
11.30	25.44	0.00	25.44	13.90	31.27	0.00	31.27
11.35	27.16	0.00	27.16	13.95	30.25	0.00	30.25
11.40	29.03	0.00	29.03	14.00	29.37	0.00	29.37
11.45	31.03	0.00	31.03	14.05	28.61	0.00	28.61
11.50	33.15	0.00	33.15	14.10	27.94	0.00	27.94
11.55	35.39	0.00	35.39	14.15	27.33	0.00	27.33
11.60	37.92	0.00	37.92	14.20	26.77	0.00	26.77
11.65	41.00	0.00	41.00	14.25	26.26	0.00	26.26
11.70	44.92	0.00	44.92	14.30	25.77	0.00	25.77
11.75	49.77	0.00	49.77	14.35	25.30	0.00	25.30
11.80	55.59	0.00	55.59	14.40	24.84	0.00	24.84
11.85	62.44	0.00	62.44	14.45	24.39	0.00	24.39
11.90	70.64	0.00	70.64	14.50	23.95	0.00	23.95
11.95	80.97	0.00	80.97	14.55	23.52	0.00	23.52
12.00	94.46	0.00	94.46	14.60	23.10	0.00	23.10
12.05	112.47	0.00	112.47	14.65	22.68	0.00	22.68
12.10	137.84	0.00	137.84	14.70	22.26	0.00	22.26
12.15	172.21	0.00	172.21	14.75	21.84	0.00	21.84
12.20	213.66	0.00	213.66	14.80	21.41	0.00	21.41
12.25	255.76	0.00	255.76	14.85	20.99	0.00	20.99
12.30	288.82	0.00	288.82	14.90	20.58	0.00	20.58
12.35	**304.24**	0.00	**304.24**	14.95	20.16	0.00	20.16
12.40	302.04	0.00	302.04	15.00	19.75	0.00	19.75
12.45	286.74	0.00	286.74	15.05	19.33	0.00	19.33
12.50	262.41	0.00	262.41	15.10	18.91	0.00	18.91
12.55	234.27	0.00	234.27	15.15	18.49	0.00	18.49
12.60	207.28	0.00	207.28	15.20	18.08	0.00	18.08
12.65	184.38	0.00	184.38	15.25	17.68	0.00	17.68
12.70	164.44	0.00	164.44	15.30	17.30	0.00	17.30
12.75	146.61	0.00	146.61	15.35	16.97	0.00	16.97
12.80	130.78	0.00	130.78	15.40	16.67	0.00	16.67
12.85	117.12	0.00	117.12	15.45	16.40	0.00	16.40
12.90	105.39	0.00	105.39	15.50	16.18	0.00	16.18
12.95	95.41	0.00	95.41	15.55	15.98	0.00	15.98

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	15.81	0.00	15.81	18.20	9.84	0.00	9.84
15.65	15.65	0.00	15.65	18.25	9.74	0.00	9.74
15.70	15.51	0.00	15.51	18.30	9.63	0.00	9.63
15.75	15.37	0.00	15.37	18.35	9.54	0.00	9.54
15.80	15.24	0.00	15.24	18.40	9.46	0.00	9.46
15.85	15.11	0.00	15.11	18.45	9.39	0.00	9.39
15.90	14.99	0.00	14.99	18.50	9.33	0.00	9.33
15.95	14.87	0.00	14.87	18.55	9.28	0.00	9.28
16.00	14.75	0.00	14.75	18.60	9.24	0.00	9.24
16.05	14.64	0.00	14.64	18.65	9.20	0.00	9.20
16.10	14.53	0.00	14.53	18.70	9.16	0.00	9.16
16.15	14.41	0.00	14.41	18.75	9.12	0.00	9.12
16.20	14.30	0.00	14.30	18.80	9.09	0.00	9.09
16.25	14.19	0.00	14.19	18.85	9.06	0.00	9.06
16.30	14.08	0.00	14.08	18.90	9.03	0.00	9.03
16.35	13.97	0.00	13.97	18.95	9.00	0.00	9.00
16.40	13.86	0.00	13.86	19.00	8.97	0.00	8.97
16.45	13.75	0.00	13.75	19.05	8.94	0.00	8.94
16.50	13.64	0.00	13.64	19.10	8.91	0.00	8.91
16.55	13.53	0.00	13.53	19.15	8.88	0.00	8.88
16.60	13.42	0.00	13.42	19.20	8.85	0.00	8.85
16.65	13.30	0.00	13.30	19.25	8.82	0.00	8.82
16.70	13.19	0.00	13.19	19.30	8.80	0.00	8.80
16.75	13.08	0.00	13.08	19.35	8.77	0.00	8.77
16.80	12.98	0.00	12.98	19.40	8.74	0.00	8.74
16.85	12.86	0.00	12.86	19.45	8.71	0.00	8.71
16.90	12.75	0.00	12.75	19.50	8.68	0.00	8.68
16.95	12.64	0.00	12.64	19.55	8.66	0.00	8.66
17.00	12.53	0.00	12.53	19.60	8.63	0.00	8.63
17.05	12.42	0.00	12.42	19.65	8.60	0.00	8.60
17.10	12.31	0.00	12.31	19.70	8.57	0.00	8.57
17.15	12.20	0.00	12.20	19.75	8.55	0.00	8.55
17.20	12.09	0.00	12.09	19.80	8.52	0.00	8.52
17.25	11.98	0.00	11.98	19.85	8.49	0.00	8.49
17.30	11.87	0.00	11.87	19.90	8.47	0.00	8.47
17.35	11.75	0.00	11.75	19.95	8.44	0.00	8.44
17.40	11.64	0.00	11.64	20.00	8.42	0.00	8.42
17.45	11.53	0.00	11.53	20.05	8.39	0.00	8.39
17.50	11.41	0.00	11.41	20.10	8.36	0.00	8.36
17.55	11.30	0.00	11.30	20.15	8.33	0.00	8.33
17.60	11.18	0.00	11.18	20.20	8.30	0.00	8.30
17.65	11.07	0.00	11.07	20.25	8.27	0.00	8.27
17.70	10.96	0.00	10.96	20.30	8.25	0.00	8.25
17.75	10.85	0.00	10.85	20.35	8.22	0.00	8.22
17.80	10.74	0.00	10.74	20.40	8.19	0.00	8.19
17.85	10.63	0.00	10.63	20.45	8.16	0.00	8.16
17.90	10.52	0.00	10.52	20.50	8.13	0.00	8.13
17.95	10.41	0.00	10.41	20.55	8.10	0.00	8.10
18.00	10.29	0.00	10.29	20.60	8.07	0.00	8.07
18.05	10.18	0.00	10.18	20.65	8.05	0.00	8.05
18.10	10.07	0.00	10.07	20.70	8.02	0.00	8.02
18.15	9.95	0.00	9.95	20.75	8.00	0.00	8.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	7.97	0.00	7.97	23.40	6.50	0.00	6.50
20.85	7.94	0.00	7.94	23.45	6.47	0.00	6.47
20.90	7.92	0.00	7.92	23.50	6.44	0.00	6.44
20.95	7.89	0.00	7.89	23.55	6.42	0.00	6.42
21.00	7.86	0.00	7.86	23.60	6.39	0.00	6.39
21.05	7.83	0.00	7.83	23.65	6.36	0.00	6.36
21.10	7.80	0.00	7.80	23.70	6.33	0.00	6.33
21.15	7.77	0.00	7.77	23.75	6.30	0.00	6.30
21.20	7.74	0.00	7.74	23.80	6.27	0.00	6.27
21.25	7.71	0.00	7.71	23.85	6.25	0.00	6.25
21.30	7.68	0.00	7.68	23.90	6.22	0.00	6.22
21.35	7.65	0.00	7.65	23.95	6.19	0.00	6.19
21.40	7.63	0.00	7.63	24.00	6.18	0.00	6.18
21.45	7.60	0.00	7.60	24.05	6.19	0.00	6.19
21.50	7.58	0.00	7.58	24.10	6.17	0.00	6.17
21.55	7.55	0.00	7.55	24.15	6.06	0.00	6.06
21.60	7.52	0.00	7.52	24.20	5.75	0.00	5.75
21.65	7.49	0.00	7.49	24.25	5.19	0.00	5.19
21.70	7.46	0.00	7.46	24.30	4.45	0.00	4.45
21.75	7.43	0.00	7.43	24.35	3.65	0.00	3.65
21.80	7.40	0.00	7.40	24.40	2.87	0.00	2.87
21.85	7.37	0.00	7.37	24.45	2.18	0.00	2.18
21.90	7.35	0.00	7.35	24.50	1.63	0.00	1.63
21.95	7.32	0.00	7.32	24.55	1.23	0.00	1.23
22.00	7.30	0.00	7.30	24.60	0.93	0.00	0.93
22.05	7.27	0.00	7.27	24.65	0.70	0.00	0.70
22.10	7.24	0.00	7.24	24.70	0.53	0.00	0.53
22.15	7.21	0.00	7.21	24.75	0.40	0.00	0.40
22.20	7.18	0.00	7.18	24.80	0.30	0.00	0.30
22.25	7.15	0.00	7.15	24.85	0.22	0.00	0.22
22.30	7.12	0.00	7.12	24.90	0.17	0.00	0.17
22.35	7.10	0.00	7.10	24.95	0.12	0.00	0.12
22.40	7.07	0.00	7.07	25.00	0.09	0.00	0.09
22.45	7.04	0.00	7.04	25.05	0.07	0.00	0.07
22.50	7.02	0.00	7.02	25.10	0.05	0.00	0.05
22.55	6.98	0.00	6.98	25.15	0.04	0.00	0.04
22.60	6.95	0.00	6.95	25.20	0.02	0.00	0.02
22.65	6.92	0.00	6.92	25.25	0.02	0.00	0.02
22.70	6.90	0.00	6.90	25.30	0.01	0.00	0.01
22.75	6.87	0.00	6.87	25.35	0.01	0.00	0.01
22.80	6.85	0.00	6.85	25.40	0.00	0.00	0.00
22.85	6.82	0.00	6.82	25.45	0.00	0.00	0.00
22.90	6.79	0.00	6.79	25.50	0.00	0.00	0.00
22.95	6.76	0.00	6.76	25.55	0.00	0.00	0.00
23.00	6.73	0.00	6.73	25.60	0.00	0.00	0.00
23.05	6.70	0.00	6.70	25.65	0.00	0.00	0.00
23.10	6.67	0.00	6.67	25.70	0.00	0.00	0.00
23.15	6.64	0.00	6.64	25.75	0.00	0.00	0.00
23.20	6.62	0.00	6.62	25.80	0.00	0.00	0.00
23.25	6.59	0.00	6.59	25.85	0.00	0.00	0.00
23.30	6.56	0.00	6.56	25.90	0.00	0.00	0.00
23.35	6.53	0.00	6.53	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6: Existing Drainage Area #6 (continued)

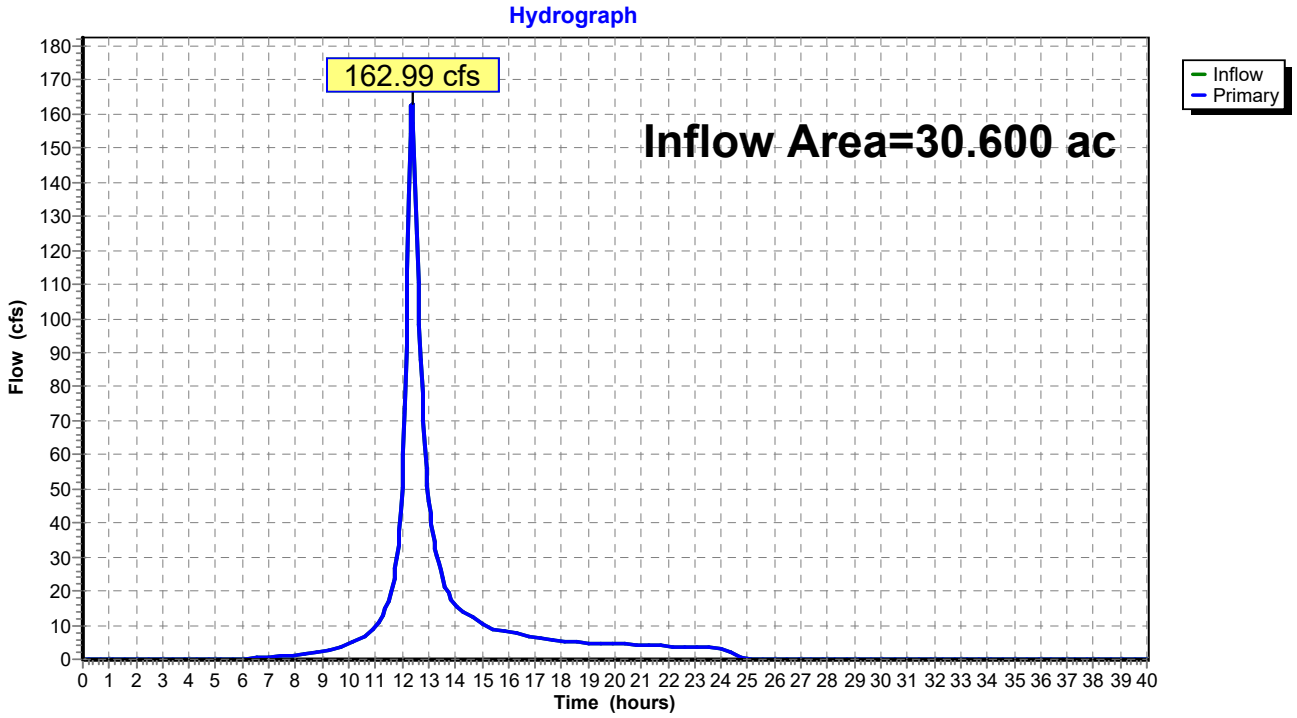
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link XDA-6O: XDA-6O

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 7.26" for Future 100 yr event
Inflow = 162.99 cfs @ 12.37 hrs, Volume= 18.505 af
Primary = 162.99 cfs @ 12.37 hrs, Volume= 18.505 af, Atten= 0%, Lag= 0.0 min
Routed to Link XDA-6 : Existing Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link XDA-6O: XDA-6O



Hydrograph for Link XDA-6O: XDA-6O

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.08	0.00	0.08
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.08	0.00	0.08
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.09	0.00	0.09
0.65	0.00	0.00	0.00	3.25	0.09	0.00	0.09
0.70	0.00	0.00	0.00	3.30	0.09	0.00	0.09
0.75	0.01	0.00	0.01	3.35	0.10	0.00	0.10
0.80	0.01	0.00	0.01	3.40	0.10	0.00	0.10
0.85	0.01	0.00	0.01	3.45	0.10	0.00	0.10
0.90	0.02	0.00	0.02	3.50	0.10	0.00	0.10
0.95	0.02	0.00	0.02	3.55	0.10	0.00	0.10
1.00	0.02	0.00	0.02	3.60	0.10	0.00	0.10
1.05	0.03	0.00	0.03	3.65	0.10	0.00	0.10
1.10	0.03	0.00	0.03	3.70	0.10	0.00	0.10
1.15	0.03	0.00	0.03	3.75	0.10	0.00	0.10
1.20	0.03	0.00	0.03	3.80	0.10	0.00	0.10
1.25	0.04	0.00	0.04	3.85	0.10	0.00	0.10
1.30	0.04	0.00	0.04	3.90	0.10	0.00	0.10
1.35	0.04	0.00	0.04	3.95	0.10	0.00	0.10
1.40	0.04	0.00	0.04	4.00	0.10	0.00	0.10
1.45	0.05	0.00	0.05	4.05	0.11	0.00	0.11
1.50	0.05	0.00	0.05	4.10	0.11	0.00	0.11
1.55	0.05	0.00	0.05	4.15	0.11	0.00	0.11
1.60	0.05	0.00	0.05	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.06	0.00	0.06	4.30	0.11	0.00	0.11
1.75	0.06	0.00	0.06	4.35	0.11	0.00	0.11
1.80	0.06	0.00	0.06	4.40	0.11	0.00	0.11
1.85	0.06	0.00	0.06	4.45	0.11	0.00	0.11
1.90	0.06	0.00	0.06	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.11	0.00	0.11
2.05	0.07	0.00	0.07	4.65	0.11	0.00	0.11
2.10	0.07	0.00	0.07	4.70	0.11	0.00	0.11
2.15	0.07	0.00	0.07	4.75	0.11	0.00	0.11
2.20	0.07	0.00	0.07	4.80	0.11	0.00	0.11
2.25	0.07	0.00	0.07	4.85	0.11	0.00	0.11
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.08	0.00	0.08	5.10	0.12	0.00	0.12
2.55	0.08	0.00	0.08	5.15	0.12	0.00	0.12

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	1.14	0.00	1.14
5.25	0.12	0.00	0.12	7.85	1.18	0.00	1.18
5.30	0.12	0.00	0.12	7.90	1.22	0.00	1.22
5.35	0.12	0.00	0.12	7.95	1.27	0.00	1.27
5.40	0.12	0.00	0.12	8.00	1.31	0.00	1.31
5.45	0.12	0.00	0.12	8.05	1.36	0.00	1.36
5.50	0.12	0.00	0.12	8.10	1.41	0.00	1.41
5.55	0.12	0.00	0.12	8.15	1.46	0.00	1.46
5.60	0.12	0.00	0.12	8.20	1.50	0.00	1.50
5.65	0.12	0.00	0.12	8.25	1.55	0.00	1.55
5.70	0.12	0.00	0.12	8.30	1.60	0.00	1.60
5.75	0.12	0.00	0.12	8.35	1.65	0.00	1.65
5.80	0.13	0.00	0.13	8.40	1.70	0.00	1.70
5.85	0.13	0.00	0.13	8.45	1.75	0.00	1.75
5.90	0.13	0.00	0.13	8.50	1.80	0.00	1.80
5.95	0.13	0.00	0.13	8.55	1.86	0.00	1.86
6.00	0.13	0.00	0.13	8.60	1.91	0.00	1.91
6.05	0.13	0.00	0.13	8.65	1.96	0.00	1.96
6.10	0.13	0.00	0.13	8.70	2.02	0.00	2.02
6.15	0.13	0.00	0.13	8.75	2.07	0.00	2.07
6.20	0.14	0.00	0.14	8.80	2.13	0.00	2.13
6.25	0.15	0.00	0.15	8.85	2.18	0.00	2.18
6.30	0.16	0.00	0.16	8.90	2.24	0.00	2.24
6.35	0.18	0.00	0.18	8.95	2.30	0.00	2.30
6.40	0.20	0.00	0.20	9.00	2.35	0.00	2.35
6.45	0.22	0.00	0.22	9.05	2.41	0.00	2.41
6.50	0.24	0.00	0.24	9.10	2.47	0.00	2.47
6.55	0.26	0.00	0.26	9.15	2.53	0.00	2.53
6.60	0.29	0.00	0.29	9.20	2.60	0.00	2.60
6.65	0.32	0.00	0.32	9.25	2.68	0.00	2.68
6.70	0.34	0.00	0.34	9.30	2.76	0.00	2.76
6.75	0.37	0.00	0.37	9.35	2.85	0.00	2.85
6.80	0.40	0.00	0.40	9.40	2.95	0.00	2.95
6.85	0.43	0.00	0.43	9.45	3.06	0.00	3.06
6.90	0.46	0.00	0.46	9.50	3.17	0.00	3.17
6.95	0.49	0.00	0.49	9.55	3.29	0.00	3.29
7.00	0.53	0.00	0.53	9.60	3.42	0.00	3.42
7.05	0.56	0.00	0.56	9.65	3.55	0.00	3.55
7.10	0.59	0.00	0.59	9.70	3.68	0.00	3.68
7.15	0.63	0.00	0.63	9.75	3.82	0.00	3.82
7.20	0.66	0.00	0.66	9.80	3.95	0.00	3.95
7.25	0.70	0.00	0.70	9.85	4.10	0.00	4.10
7.30	0.73	0.00	0.73	9.90	4.25	0.00	4.25
7.35	0.77	0.00	0.77	9.95	4.40	0.00	4.40
7.40	0.81	0.00	0.81	10.00	4.55	0.00	4.55
7.45	0.85	0.00	0.85	10.05	4.71	0.00	4.71
7.50	0.89	0.00	0.89	10.10	4.87	0.00	4.87
7.55	0.93	0.00	0.93	10.15	5.03	0.00	5.03
7.60	0.97	0.00	0.97	10.20	5.20	0.00	5.20
7.65	1.01	0.00	1.01	10.25	5.37	0.00	5.37
7.70	1.05	0.00	1.05	10.30	5.54	0.00	5.54
7.75	1.09	0.00	1.09	10.35	5.72	0.00	5.72

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.90	0.00	5.90	13.00	46.49	0.00	46.49
10.45	6.08	0.00	6.08	13.05	42.80	0.00	42.80
10.50	6.26	0.00	6.26	13.10	39.64	0.00	39.64
10.55	6.45	0.00	6.45	13.15	36.87	0.00	36.87
10.60	6.65	0.00	6.65	13.20	34.41	0.00	34.41
10.65	6.87	0.00	6.87	13.25	32.20	0.00	32.20
10.70	7.11	0.00	7.11	13.30	30.21	0.00	30.21
10.75	7.40	0.00	7.40	13.35	28.42	0.00	28.42
10.80	7.74	0.00	7.74	13.40	26.80	0.00	26.80
10.85	8.12	0.00	8.12	13.45	25.34	0.00	25.34
10.90	8.55	0.00	8.55	13.50	24.01	0.00	24.01
10.95	9.02	0.00	9.02	13.55	22.82	0.00	22.82
11.00	9.53	0.00	9.53	13.60	21.75	0.00	21.75
11.05	10.07	0.00	10.07	13.65	20.74	0.00	20.74
11.10	10.64	0.00	10.64	13.70	19.79	0.00	19.79
11.15	11.26	0.00	11.26	13.75	18.90	0.00	18.90
11.20	11.94	0.00	11.94	13.80	18.08	0.00	18.08
11.25	12.69	0.00	12.69	13.85	17.35	0.00	17.35
11.30	13.53	0.00	13.53	13.90	16.71	0.00	16.71
11.35	14.45	0.00	14.45	13.95	16.17	0.00	16.17
11.40	15.44	0.00	15.44	14.00	15.70	0.00	15.70
11.45	16.51	0.00	16.51	14.05	15.29	0.00	15.29
11.50	17.63	0.00	17.63	14.10	14.93	0.00	14.93
11.55	18.83	0.00	18.83	14.15	14.61	0.00	14.61
11.60	20.18	0.00	20.18	14.20	14.31	0.00	14.31
11.65	21.82	0.00	21.82	14.25	14.04	0.00	14.04
11.70	23.90	0.00	23.90	14.30	13.77	0.00	13.77
11.75	26.49	0.00	26.49	14.35	13.52	0.00	13.52
11.80	29.59	0.00	29.59	14.40	13.28	0.00	13.28
11.85	33.24	0.00	33.24	14.45	13.04	0.00	13.04
11.90	37.61	0.00	37.61	14.50	12.80	0.00	12.80
11.95	43.12	0.00	43.12	14.55	12.57	0.00	12.57
12.00	50.31	0.00	50.31	14.60	12.35	0.00	12.35
12.05	59.92	0.00	59.92	14.65	12.12	0.00	12.12
12.10	73.45	0.00	73.45	14.70	11.90	0.00	11.90
12.15	91.79	0.00	91.79	14.75	11.67	0.00	11.67
12.20	113.92	0.00	113.92	14.80	11.45	0.00	11.45
12.25	136.40	0.00	136.40	14.85	11.22	0.00	11.22
12.30	154.06	0.00	154.06	14.90	11.00	0.00	11.00
12.35	**162.32**	0.00	**162.32**	14.95	10.78	0.00	10.78
12.40	161.17	0.00	161.17	15.00	10.56	0.00	10.56
12.45	153.02	0.00	153.02	15.05	10.33	0.00	10.33
12.50	140.06	0.00	140.06	15.10	10.11	0.00	10.11
12.55	125.05	0.00	125.05	15.15	9.89	0.00	9.89
12.60	110.66	0.00	110.66	15.20	9.66	0.00	9.66
12.65	98.44	0.00	98.44	15.25	9.45	0.00	9.45
12.70	87.80	0.00	87.80	15.30	9.25	0.00	9.25
12.75	78.29	0.00	78.29	15.35	9.07	0.00	9.07
12.80	69.84	0.00	69.84	15.40	8.91	0.00	8.91
12.85	62.56	0.00	62.56	15.45	8.77	0.00	8.77
12.90	56.29	0.00	56.29	15.50	8.65	0.00	8.65
12.95	50.96	0.00	50.96	15.55	8.54	0.00	8.54

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.45	0.00	8.45	18.20	5.26	0.00	5.26
15.65	8.37	0.00	8.37	18.25	5.21	0.00	5.21
15.70	8.29	0.00	8.29	18.30	5.15	0.00	5.15
15.75	8.22	0.00	8.22	18.35	5.10	0.00	5.10
15.80	8.15	0.00	8.15	18.40	5.06	0.00	5.06
15.85	8.08	0.00	8.08	18.45	5.02	0.00	5.02
15.90	8.01	0.00	8.01	18.50	4.99	0.00	4.99
15.95	7.95	0.00	7.95	18.55	4.96	0.00	4.96
16.00	7.89	0.00	7.89	18.60	4.94	0.00	4.94
16.05	7.83	0.00	7.83	18.65	4.92	0.00	4.92
16.10	7.77	0.00	7.77	18.70	4.90	0.00	4.90
16.15	7.71	0.00	7.71	18.75	4.88	0.00	4.88
16.20	7.65	0.00	7.65	18.80	4.86	0.00	4.86
16.25	7.59	0.00	7.59	18.85	4.84	0.00	4.84
16.30	7.53	0.00	7.53	18.90	4.83	0.00	4.83
16.35	7.47	0.00	7.47	18.95	4.81	0.00	4.81
16.40	7.41	0.00	7.41	19.00	4.80	0.00	4.80
16.45	7.35	0.00	7.35	19.05	4.78	0.00	4.78
16.50	7.29	0.00	7.29	19.10	4.76	0.00	4.76
16.55	7.23	0.00	7.23	19.15	4.75	0.00	4.75
16.60	7.17	0.00	7.17	19.20	4.73	0.00	4.73
16.65	7.11	0.00	7.11	19.25	4.72	0.00	4.72
16.70	7.05	0.00	7.05	19.30	4.70	0.00	4.70
16.75	7.00	0.00	7.00	19.35	4.69	0.00	4.69
16.80	6.94	0.00	6.94	19.40	4.67	0.00	4.67
16.85	6.88	0.00	6.88	19.45	4.66	0.00	4.66
16.90	6.82	0.00	6.82	19.50	4.64	0.00	4.64
16.95	6.76	0.00	6.76	19.55	4.63	0.00	4.63
17.00	6.70	0.00	6.70	19.60	4.62	0.00	4.62
17.05	6.64	0.00	6.64	19.65	4.60	0.00	4.60
17.10	6.58	0.00	6.58	19.70	4.59	0.00	4.59
17.15	6.52	0.00	6.52	19.75	4.57	0.00	4.57
17.20	6.46	0.00	6.46	19.80	4.56	0.00	4.56
17.25	6.40	0.00	6.40	19.85	4.54	0.00	4.54
17.30	6.35	0.00	6.35	19.90	4.53	0.00	4.53
17.35	6.28	0.00	6.28	19.95	4.52	0.00	4.52
17.40	6.22	0.00	6.22	20.00	4.50	0.00	4.50
17.45	6.16	0.00	6.16	20.05	4.49	0.00	4.49
17.50	6.10	0.00	6.10	20.10	4.47	0.00	4.47
17.55	6.04	0.00	6.04	20.15	4.46	0.00	4.46
17.60	5.98	0.00	5.98	20.20	4.44	0.00	4.44
17.65	5.92	0.00	5.92	20.25	4.43	0.00	4.43
17.70	5.86	0.00	5.86	20.30	4.41	0.00	4.41
17.75	5.80	0.00	5.80	20.35	4.39	0.00	4.39
17.80	5.74	0.00	5.74	20.40	4.38	0.00	4.38
17.85	5.69	0.00	5.69	20.45	4.36	0.00	4.36
17.90	5.63	0.00	5.63	20.50	4.35	0.00	4.35
17.95	5.56	0.00	5.56	20.55	4.33	0.00	4.33
18.00	5.50	0.00	5.50	20.60	4.32	0.00	4.32
18.05	5.44	0.00	5.44	20.65	4.30	0.00	4.30
18.10	5.38	0.00	5.38	20.70	4.29	0.00	4.29
18.15	5.32	0.00	5.32	20.75	4.28	0.00	4.28

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.26	0.00	4.26	23.40	3.48	0.00	3.48
20.85	4.25	0.00	4.25	23.45	3.46	0.00	3.46
20.90	4.23	0.00	4.23	23.50	3.45	0.00	3.45
20.95	4.22	0.00	4.22	23.55	3.43	0.00	3.43
21.00	4.20	0.00	4.20	23.60	3.42	0.00	3.42
21.05	4.19	0.00	4.19	23.65	3.40	0.00	3.40
21.10	4.17	0.00	4.17	23.70	3.39	0.00	3.39
21.15	4.15	0.00	4.15	23.75	3.37	0.00	3.37
21.20	4.14	0.00	4.14	23.80	3.36	0.00	3.36
21.25	4.12	0.00	4.12	23.85	3.34	0.00	3.34
21.30	4.11	0.00	4.11	23.90	3.33	0.00	3.33
21.35	4.09	0.00	4.09	23.95	3.31	0.00	3.31
21.40	4.08	0.00	4.08	24.00	3.31	0.00	3.31
21.45	4.07	0.00	4.07	24.05	3.31	0.00	3.31
21.50	4.05	0.00	4.05	24.10	3.30	0.00	3.30
21.55	4.04	0.00	4.04	24.15	3.24	0.00	3.24
21.60	4.02	0.00	4.02	24.20	3.08	0.00	3.08
21.65	4.01	0.00	4.01	24.25	2.77	0.00	2.77
21.70	3.99	0.00	3.99	24.30	2.38	0.00	2.38
21.75	3.98	0.00	3.98	24.35	1.95	0.00	1.95
21.80	3.96	0.00	3.96	24.40	1.53	0.00	1.53
21.85	3.94	0.00	3.94	24.45	1.17	0.00	1.17
21.90	3.93	0.00	3.93	24.50	0.87	0.00	0.87
21.95	3.92	0.00	3.92	24.55	0.66	0.00	0.66
22.00	3.90	0.00	3.90	24.60	0.50	0.00	0.50
22.05	3.89	0.00	3.89	24.65	0.37	0.00	0.37
22.10	3.87	0.00	3.87	24.70	0.28	0.00	0.28
22.15	3.86	0.00	3.86	24.75	0.21	0.00	0.21
22.20	3.84	0.00	3.84	24.80	0.16	0.00	0.16
22.25	3.82	0.00	3.82	24.85	0.12	0.00	0.12
22.30	3.81	0.00	3.81	24.90	0.09	0.00	0.09
22.35	3.80	0.00	3.80	24.95	0.07	0.00	0.07
22.40	3.78	0.00	3.78	25.00	0.05	0.00	0.05
22.45	3.77	0.00	3.77	25.05	0.04	0.00	0.04
22.50	3.75	0.00	3.75	25.10	0.03	0.00	0.03
22.55	3.74	0.00	3.74	25.15	0.02	0.00	0.02
22.60	3.72	0.00	3.72	25.20	0.01	0.00	0.01
22.65	3.70	0.00	3.70	25.25	0.01	0.00	0.01
22.70	3.69	0.00	3.69	25.30	0.01	0.00	0.01
22.75	3.67	0.00	3.67	25.35	0.00	0.00	0.00
22.80	3.66	0.00	3.66	25.40	0.00	0.00	0.00
22.85	3.65	0.00	3.65	25.45	0.00	0.00	0.00
22.90	3.63	0.00	3.63	25.50	0.00	0.00	0.00
22.95	3.61	0.00	3.61	25.55	0.00	0.00	0.00
23.00	3.60	0.00	3.60	25.60	0.00	0.00	0.00
23.05	3.58	0.00	3.58	25.65	0.00	0.00	0.00
23.10	3.57	0.00	3.57	25.70	0.00	0.00	0.00
23.15	3.55	0.00	3.55	25.75	0.00	0.00	0.00
23.20	3.54	0.00	3.54	25.80	0.00	0.00	0.00
23.25	3.52	0.00	3.52	25.85	0.00	0.00	0.00
23.30	3.51	0.00	3.51	25.90	0.00	0.00	0.00
23.35	3.49	0.00	3.49	25.95	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

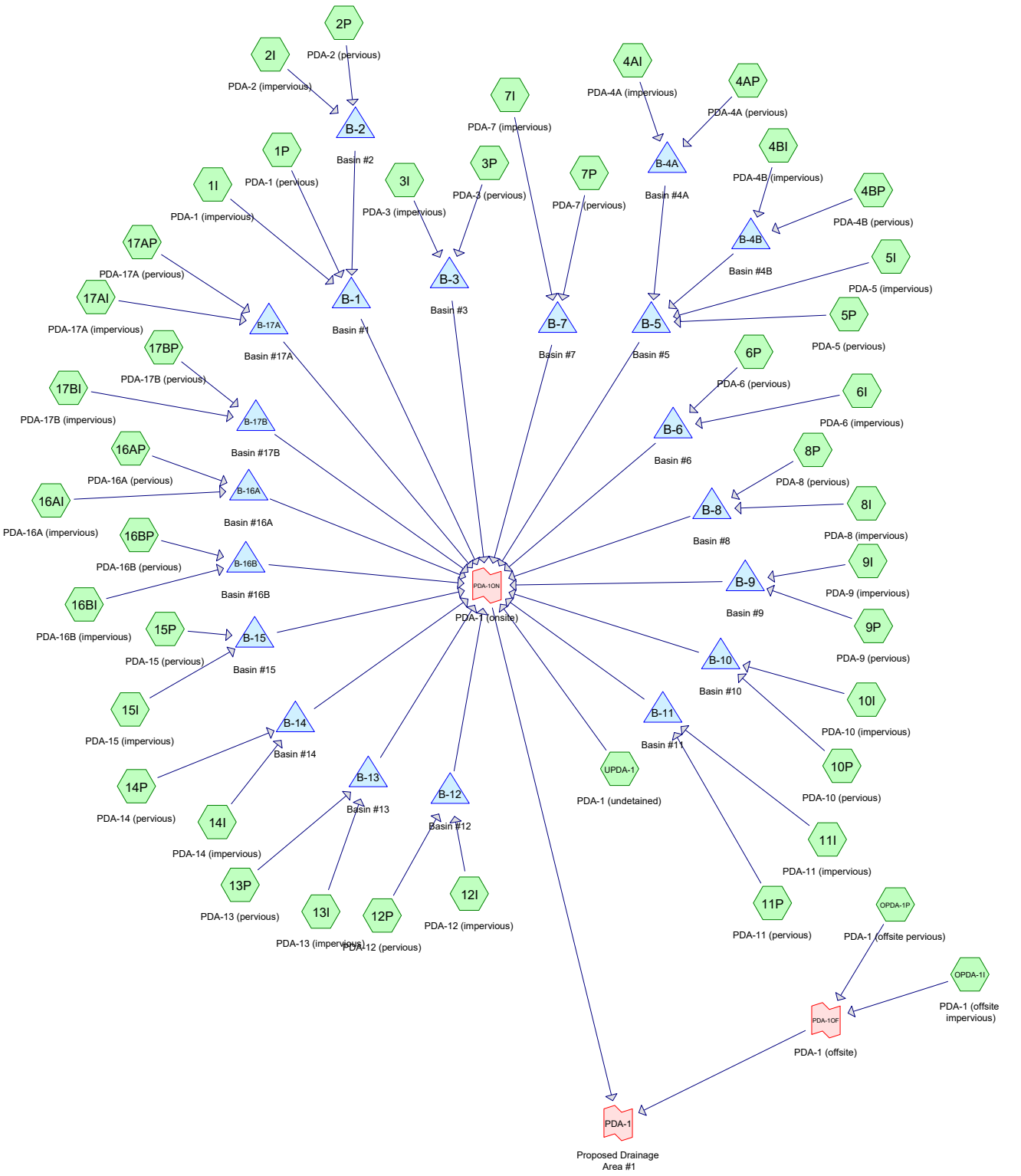
Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link XDA-6O: XDA-6O (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

APPENDIX 3
TR-55 CALCULATIONS – PROPOSED CONDITIONS


2P
PDA-2 (pervious)
2I
PDA-2 (impervious)
B-2
Basin #2
1P
PDA-1 (pervious)
1I
PDA-1 (impervious)
B-1
Basin #1
3I
PDA-3 (impervious)
3P
PDA-3 (pervious)
B-3
Basin #3
7I
PDA-7 (impervious)
7P
PDA-7 (pervious)
B-7
Basin #7
4AI
PDA-4A (impervious)
4AP
PDA-4A (pervious)
B-4A
Basin #4A
4BI
PDA-4B (impervious)
4BP
PDA-4B (pervious)
B-4B
Basin #4B
5I
PDA-5 (impervious)
5P
PDA-5 (pervious)
B-5
Basin #5
17AP
PDA-17A (pervious)
17AI
PDA-17A (impervious)
B-17A
Basin #17A
17BP
PDA-17B (pervious)
17BI
PDA-17B (impervious)
B-17B
Basin #17B
16AP
PDA-16A (pervious)
16AI
PDA-16A (impervious)
B-16A
Basin #16A
16BP
PDA-16B (pervious)
16BI
PDA-16B (impervious)
B-16B
Basin #16B
15P
PDA-15 (pervious)
15I
PDA-15 (impervious)
B-15
Basin #15
14P
PDA-14 (pervious)
14I
PDA-14 (impervious)
B-14
Basin #14
13P
PDA-13 (pervious)
13I
PDA-13 (impervious)
B-13
Basin #13
12P
PDA-12 (pervious)
12I
PDA-12 (impervious)
B-12
Basin #12
PDA-1O N
PDA-1 (onsite)
6P
PDA-6 (pervious)
6I
PDA-6 (impervious)
B-6
Basin #6
8P
PDA-8 (pervious)
8I
PDA-8 (impervious)
B-8
Basin #8
9I
PDA-9 (impervious)
9P
PDA-9 (pervious)
B-9
Basin #9
10I
PDA-10 (impervious)
10P
PDA-10 (pervious)
B-10
Basin #10
11I
PDA-11 (impervious)
11P
PDA-11 (pervious)
B-11
Basin #11
UPDA-1
PDA-1 (undetained)
OPDA-1P
PDA-1 (offsite pervious)
OPDA-1I
PDA-1 (offsite impervious)
PDA-1OF
PDA-1 (offsite)
PDA-1
Proposed Drainage Area #1
Subcat
Reach
Pond
Link
Routing Diagram for 2025-07-14 Proposed- 081391_1
Prepared by Bowman Consulting Group, Printed 9/30/2025
HydroCAD® 10.20-7a s/n 09435 © 2025 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
35.198	74	>75% Grass cover, Good, HSG C (1P, 2P, 3P, 4AP, 4BP, 5P, 6P, 7P, 8P, 9P, 10P, 11P, 12P, 13P, 14P, 15P, 16AP, 16BP, 17AP, 17BP, OPDA-1P, UPDA-1)
1.245	98	Concrete, HSG C (2I, 3I, 4AI, 4BI, 6I, 7I, 9I, 10I, 11I, 12I, 13I, 14I, 15I, 16AI, 16BI)
0.907	98	Paved roads w/curbs & sewers, HSG C (11I)
4.536	92	Paved roads w/open ditches, 50% imp, HSG C (OPDA-1I)
6.769	98	Pavement, HSG C (2I, 3I, 4AI, 4BI, 6I, 7I, 9I, 10I, 12I, 13I, 14I, 15I, 16AI, 16BI)
5.664	98	Roof, HSG C (2I, 6I, 8I, 9I, 10I, 12I, 13I, 14I, 15I, 16AI, 16BI, 17AI, 17BI)
0.367	98	Roofs (OPDA-1I)
0.231	98	Roofs, HSG C (11I)
0.257	98	Unconnected roofs, HSG C (3I)
19.880	55	Woods, Good, HSG B (OPDA-1P, UPDA-1)
11.590	70	Woods, Good, HSG C (OPDA-1P, UPDA-1)
3.704	77	Woods, Good, HSG D (OPDA-1P, UPDA-1)
90.348	**74**	**TOTAL AREA**

Summary for Subcatchment 1I: PDA-1 (impervious)

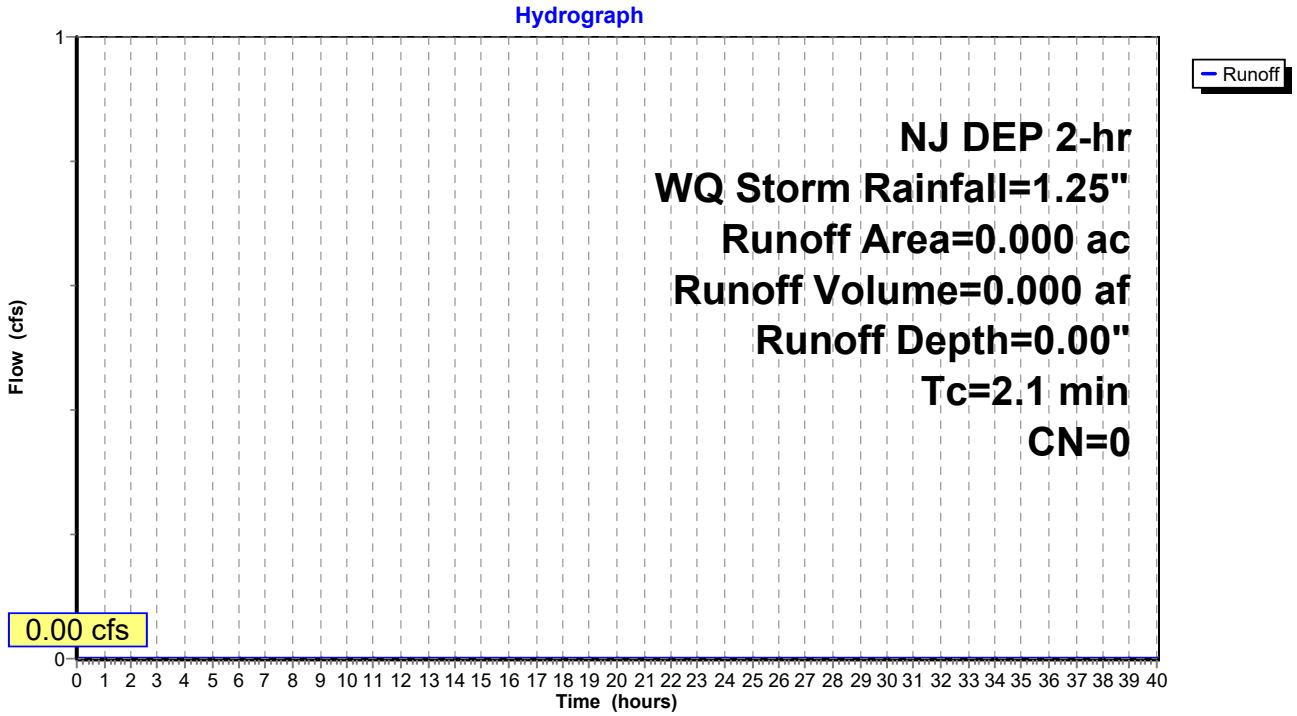
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	**1.25**	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00
36.45	1.25	0.00	0.00
36.50	1.25	0.00	0.00
36.55	1.25	0.00	0.00
36.60	1.25	0.00	0.00
36.65	1.25	0.00	0.00
36.70	1.25	0.00	0.00
36.75	1.25	0.00	0.00
36.80	1.25	0.00	0.00
36.85	1.25	0.00	0.00
36.90	1.25	0.00	0.00
36.95	1.25	0.00	0.00
37.00	1.25	0.00	0.00
37.05	1.25	0.00	0.00
37.10	1.25	0.00	0.00
37.15	1.25	0.00	0.00
37.20	1.25	0.00	0.00
37.25	1.25	0.00	0.00
37.30	1.25	0.00	0.00
37.35	1.25	0.00	0.00
37.40	1.25	0.00	0.00
37.45	1.25	0.00	0.00
37.50	1.25	0.00	0.00
37.55	1.25	0.00	0.00
37.60	1.25	0.00	0.00
37.65	1.25	0.00	0.00
37.70	1.25	0.00	0.00
37.75	1.25	0.00	0.00
37.80	1.25	0.00	0.00
37.85	1.25	0.00	0.00
37.90	1.25	0.00	0.00
37.95	1.25	0.00	0.00
38.00	1.25	0.00	0.00
38.05	1.25	0.00	0.00
38.10	1.25	0.00	0.00
38.15	1.25	0.00	0.00
38.20	1.25	0.00	0.00
38.25	1.25	0.00	0.00
38.30	1.25	0.00	0.00
38.35	1.25	0.00	0.00
38.40	1.25	0.00	0.00
38.45	1.25	0.00	0.00
38.50	1.25	0.00	0.00
38.55	1.25	0.00	0.00
38.60	1.25	0.00	0.00
38.65	1.25	0.00	0.00
38.70	1.25	0.00	0.00
38.75	1.25	0.00	0.00
38.80	1.25	0.00	0.00
38.85	1.25	0.00	0.00
38.90	1.25	0.00	0.00
38.95	1.25	0.00	0.00
39.00	1.25	0.00	0.00
39.05	1.25	0.00	0.00
39.10	1.25	0.00	0.00
39.15	1.25	0.00	0.00
39.20	1.25	0.00	0.00
39.25	1.25	0.00	0.00
39.30	1.25	0.00	0.00
39.35	1.25	0.00	0.00
39.40	1.25	0.00	0.00
39.45	1.25	0.00	0.00
39.50	1.25	0.00	0.00
39.55	1.25	0.00	0.00
39.60	1.25	0.00	0.00
39.65	1.25	0.00	0.00
39.70	1.25	0.00	0.00
39.75	1.25	0.00	0.00
39.80	1.25	0.00	0.00
39.85	1.25	0.00	0.00
39.90	1.25	0.00	0.00
39.95	1.25	0.00	0.00
40.00	1.25	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

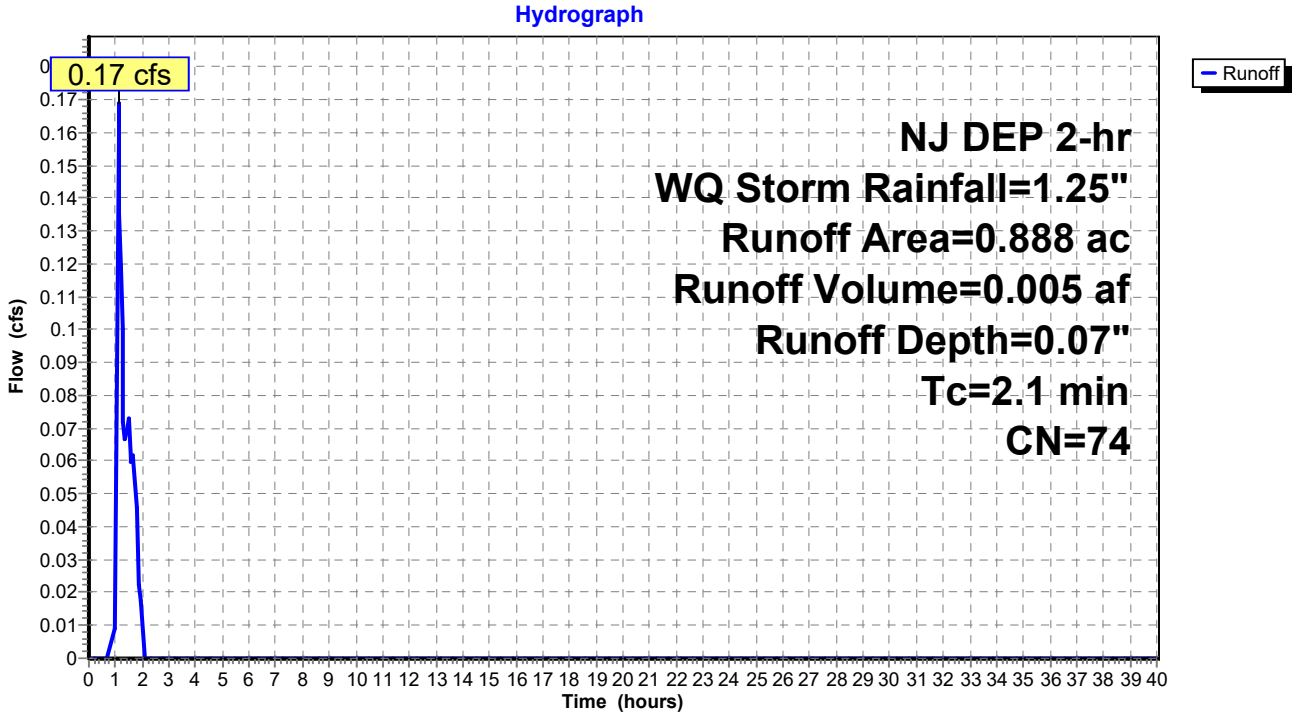
Runoff = 0.17 cfs @ 1.12 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.03	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.16**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.14	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.10	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.07	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.07	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.07	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

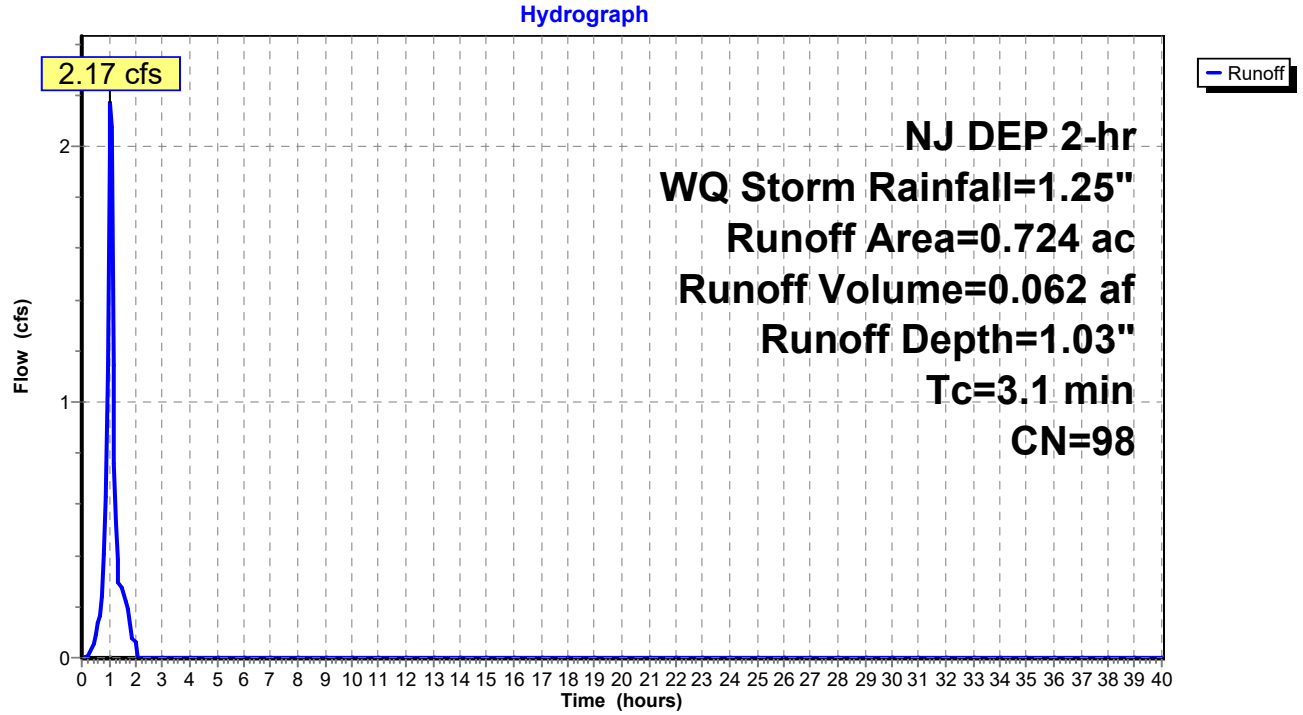
Runoff = 2.17 cfs @ 1.06 hrs, Volume= 0.062 af, Depth= 1.03"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.05	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.07	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.11	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.16	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.18	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.19	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.29	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.40	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.63	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.12	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.97	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.17**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.07	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.14	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.76	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.53	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.38	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.30	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.28	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.28	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.28	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.24	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.22	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.21	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.21	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.21	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.13	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.08	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.07	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.07	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.03	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 2l: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

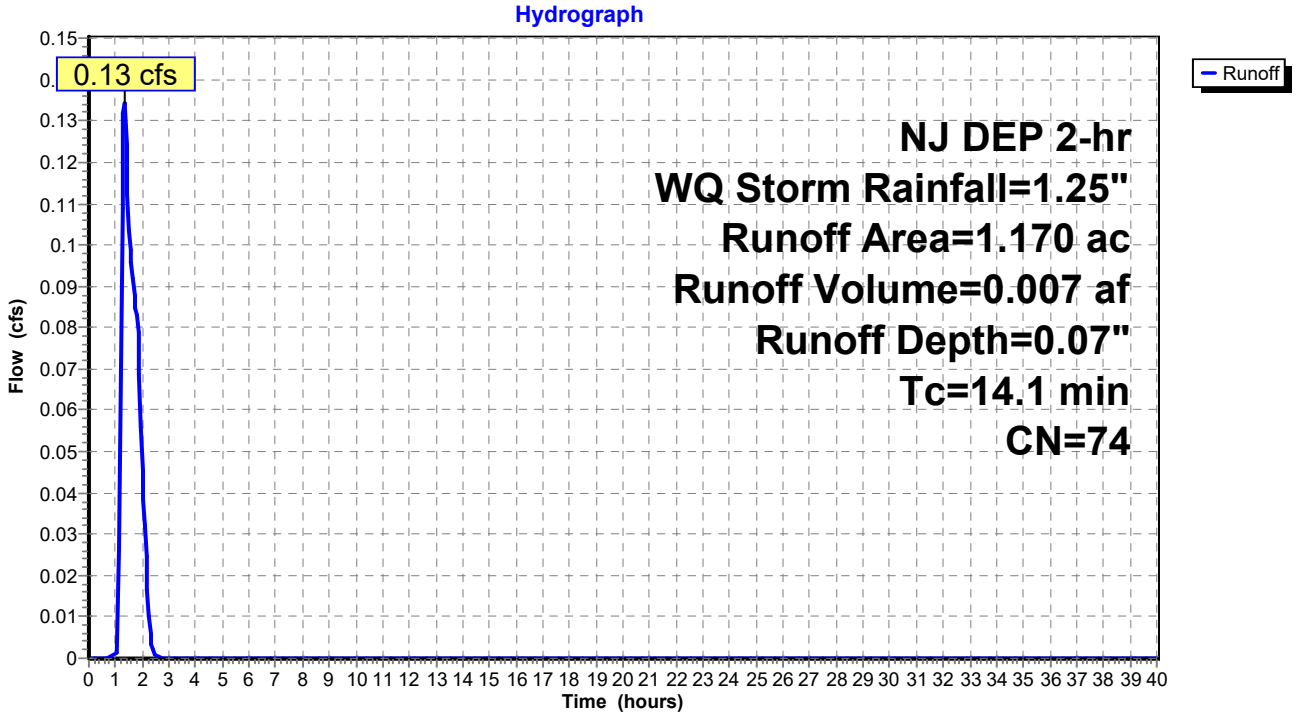
Runoff = 0.13 cfs @ 1.33 hrs, Volume= 0.007 af, Depth= 0.07"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.00	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.03	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.07	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.13	3.90	1.25	0.07	0.00
1.35	1.09	0.04	**0.13**	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.12	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.10	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.10	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.10	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.09	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.08	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.08	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.08	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.07	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.06	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.05	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.02	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.01	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.01	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

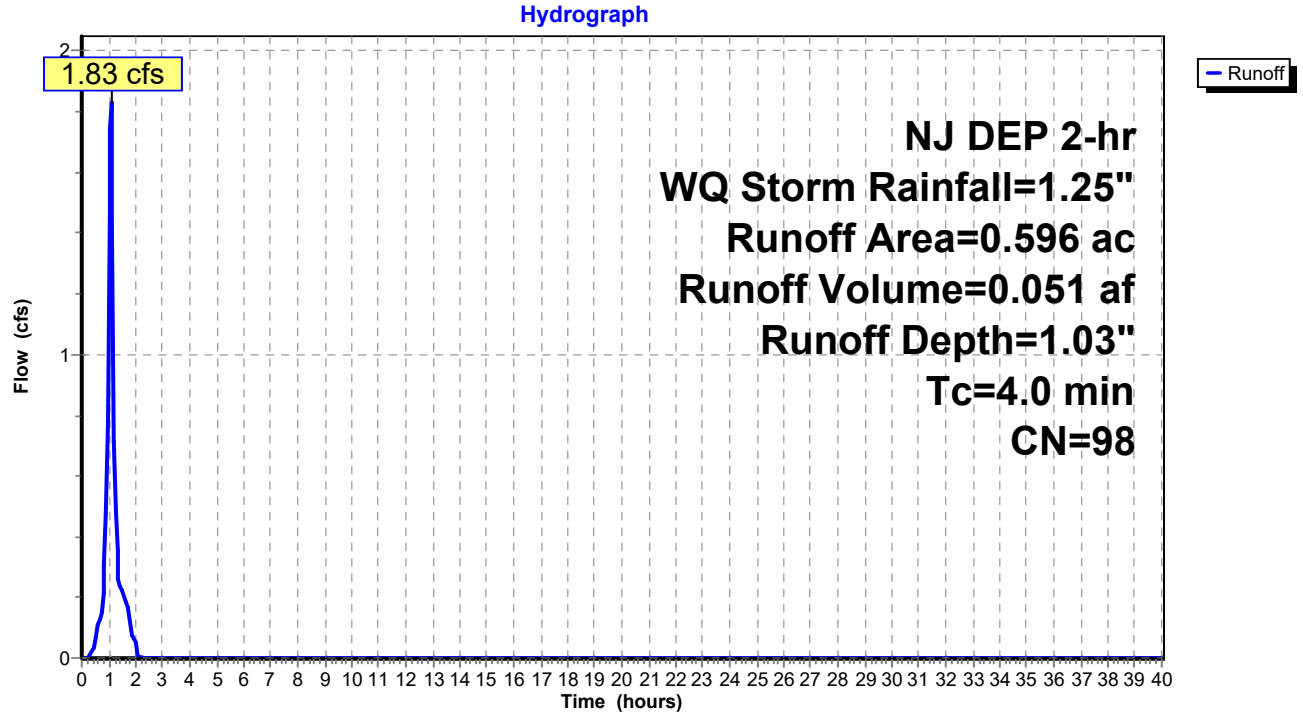
Runoff = 1.83 cfs @ 1.08 hrs, Volume= 0.051 af, Depth= 1.03"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.08	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.11	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.13	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.14	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.16	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.30	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.47	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.77	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.47	3.60	1.25	1.03	0.00
1.05	0.79	0.58	1.74	3.65	1.25	1.03	0.00
1.10	0.91	0.71	**1.76**	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.13	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.71	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.48	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.35	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.26	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.24	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.23	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.23	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.21	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.18	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.18	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.18	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.18	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.13	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.07	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.06	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.06	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.06	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.04	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.01	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

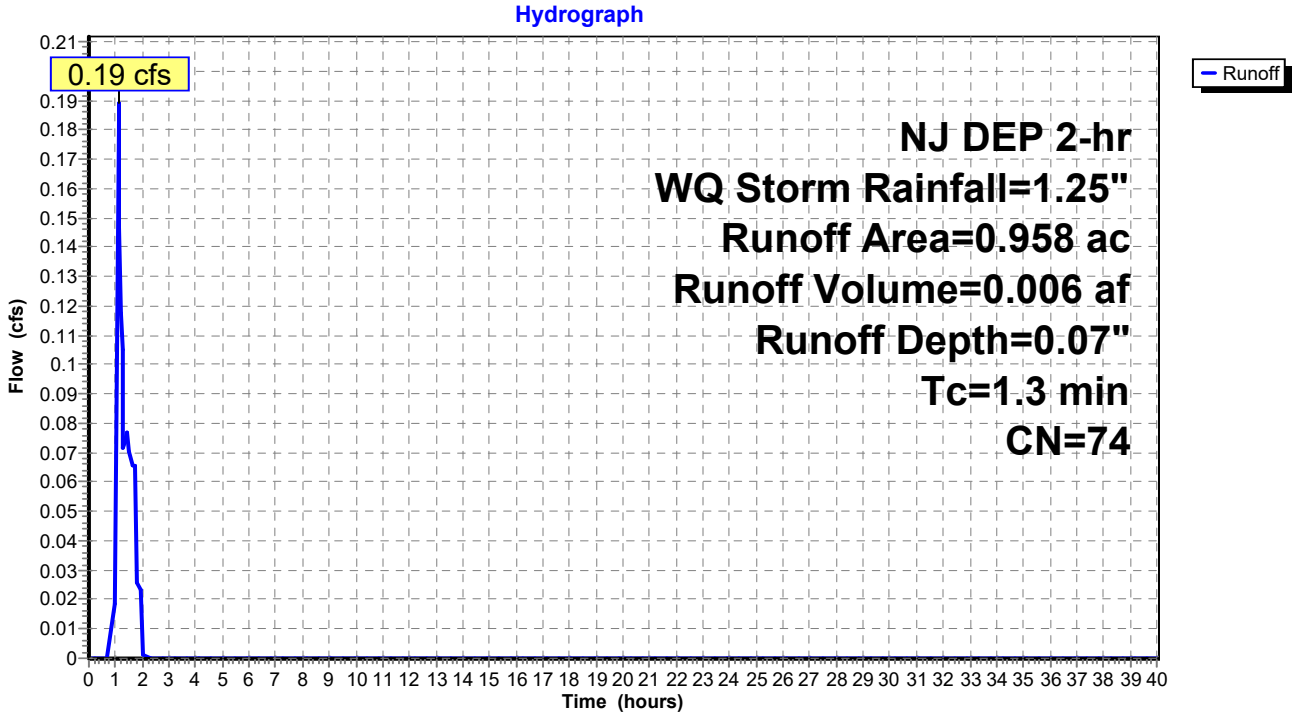
Runoff = 0.19 cfs @ 1.11 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.06	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.18**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.15	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.07	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.07	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

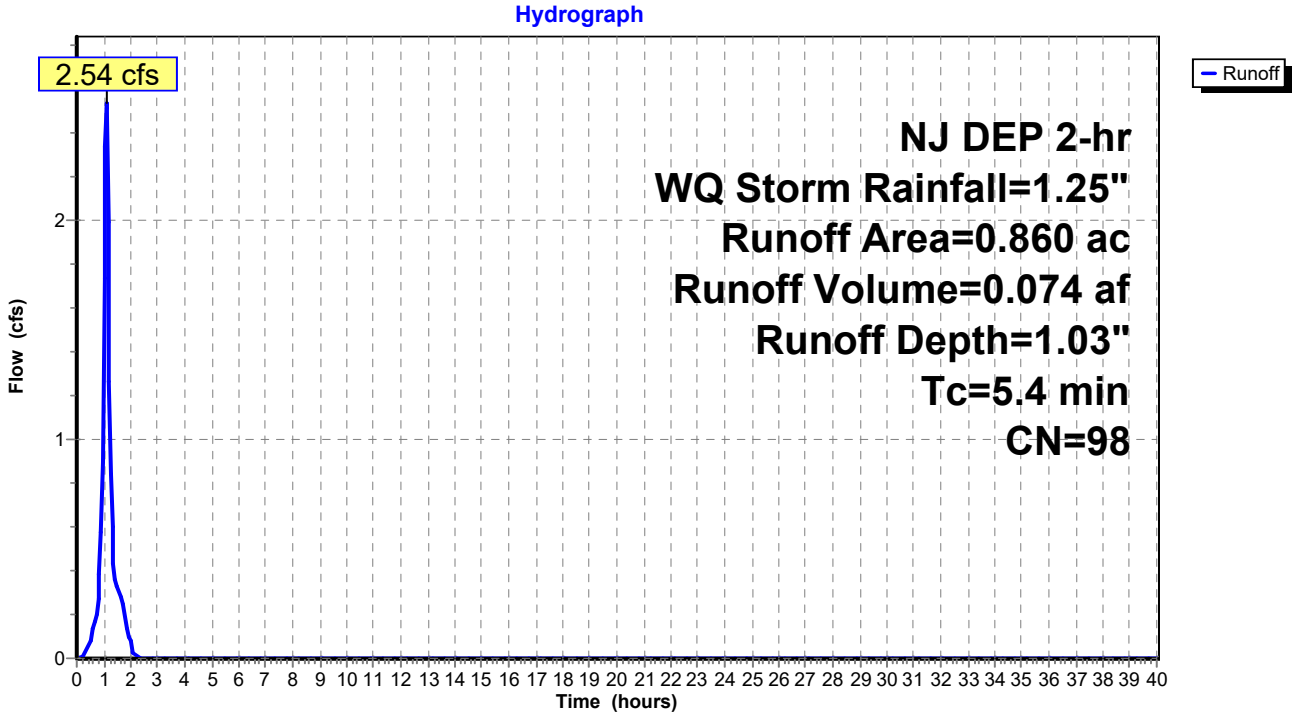
Runoff = 2.54 cfs @ 1.09 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.07	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.10	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.17	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.19	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.21	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.27	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.39	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.58	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.90	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.74	3.60	1.25	1.03	0.00
1.05	0.79	0.58	2.34	3.65	1.25	1.03	0.00
1.10	0.91	0.71	**2.52**	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.00	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.27	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.84	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.60	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.43	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.36	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.34	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.34	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.32	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.28	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.26	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.26	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.25	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.22	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.13	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.10	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.09	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.07	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.02	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.01	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

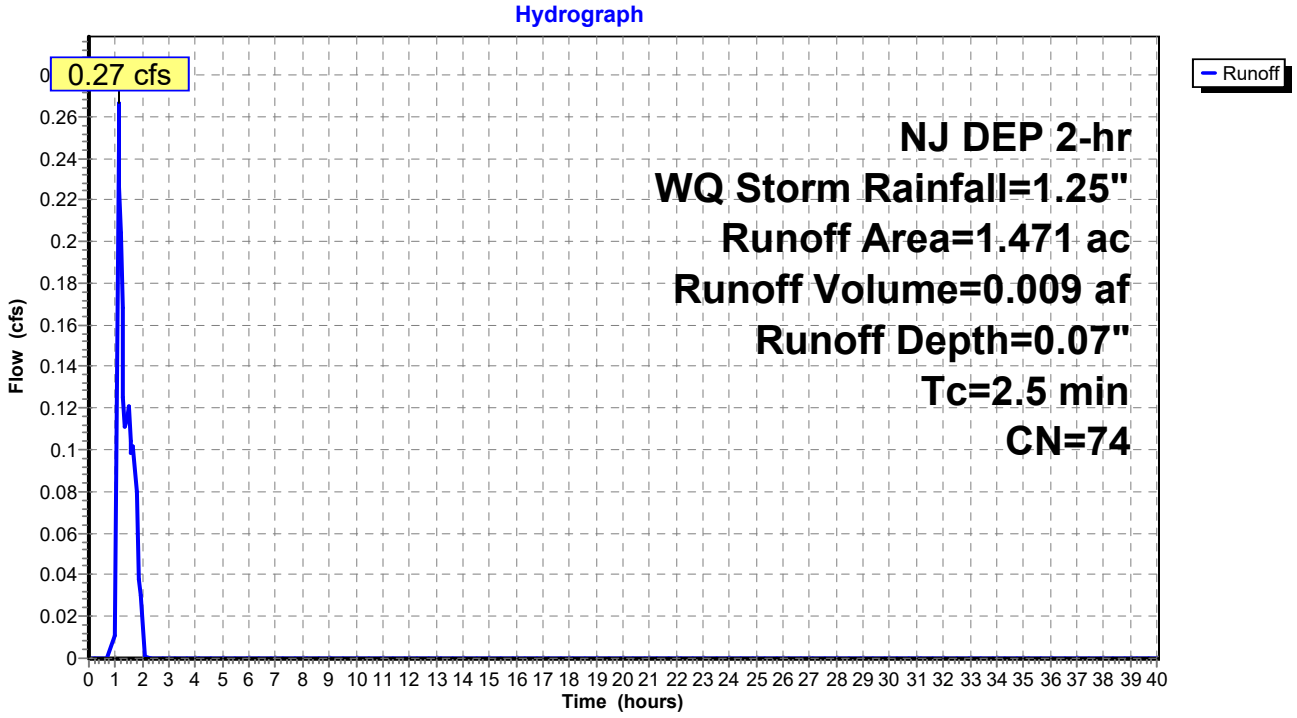
Runoff = 0.27 cfs @ 1.12 hrs, Volume= 0.009 af, Depth= 0.07"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.03	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.25**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.23	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.20	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.17	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.13	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.11	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.12	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.12	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.10	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.10	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.10	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.10	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.10	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

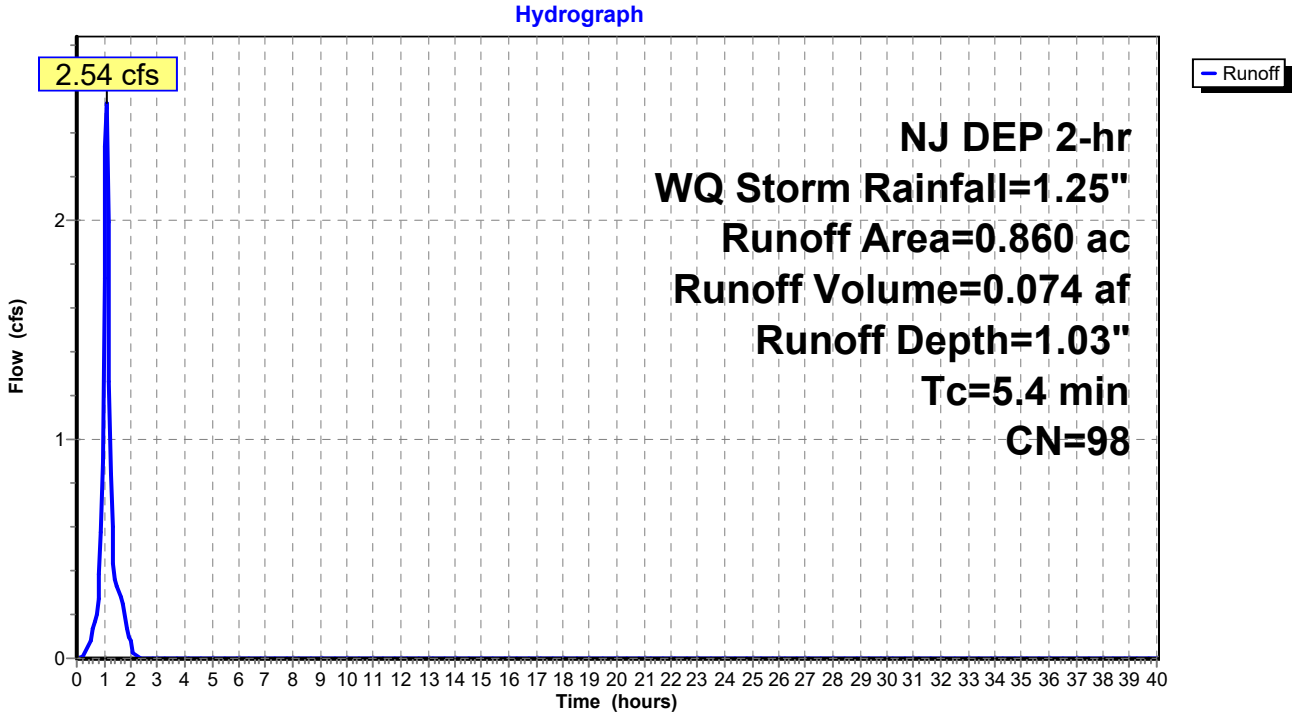
Runoff = 2.54 cfs @ 1.09 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.07	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.10	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.17	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.19	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.21	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.27	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.39	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.58	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.90	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.74	3.60	1.25	1.03	0.00
1.05	0.79	0.58	2.34	3.65	1.25	1.03	0.00
1.10	0.91	0.71	**2.52**	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.00	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.27	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.84	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.60	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.43	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.36	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.34	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.34	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.32	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.28	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.26	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.26	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.25	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.22	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.13	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.10	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.09	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.07	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.02	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.01	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

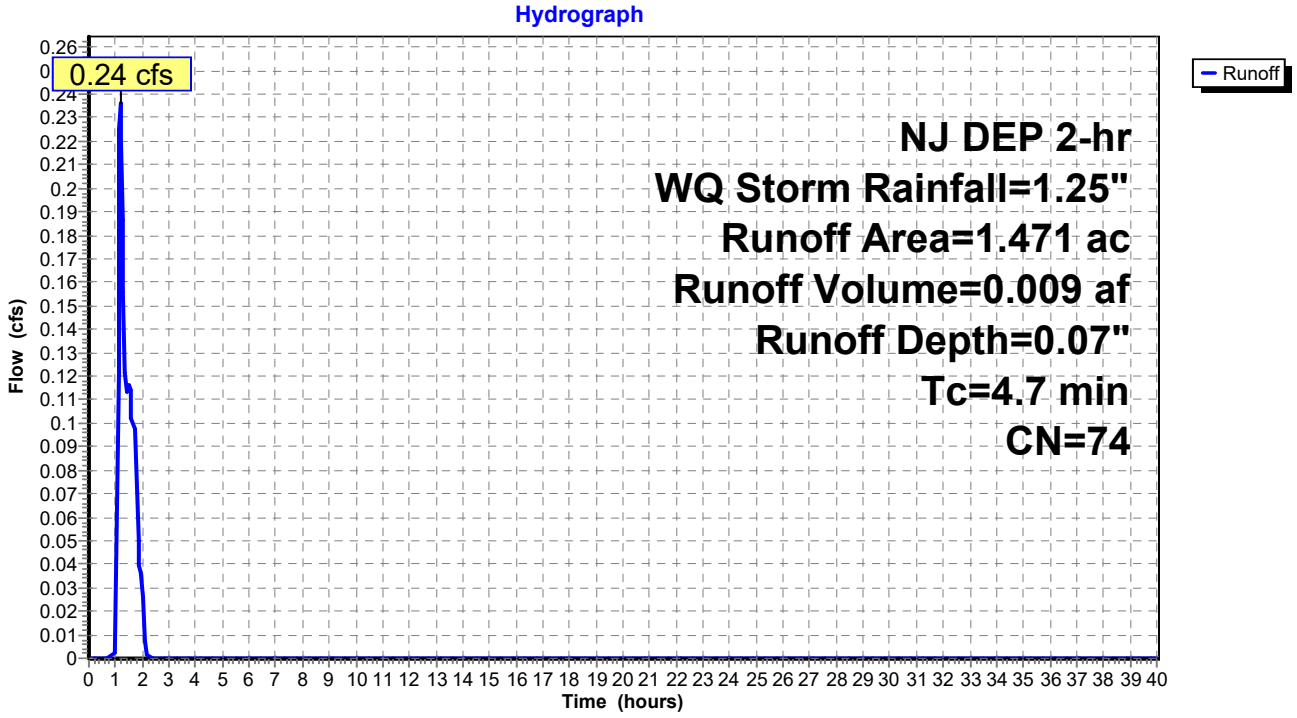
Runoff = 0.24 cfs @ 1.17 hrs, Volume= 0.009 af, Depth= 0.07"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.01	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.12	3.70	1.25	0.07	0.00
1.15	0.97	0.02	**0.22**	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.22	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.19	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.16	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.12	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.11	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.12	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.11	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.10	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.10	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.10	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.10	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.09	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.05	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

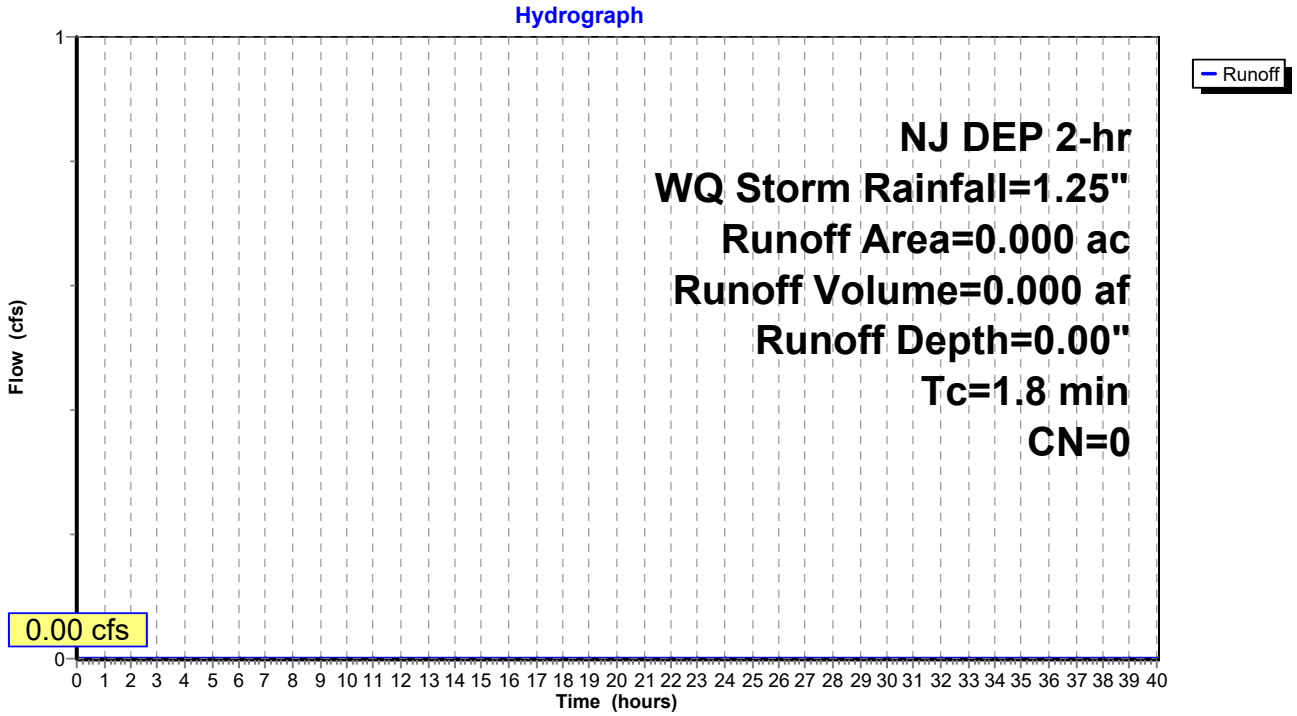
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	**1.25**	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00
36.45	1.25	0.00	0.00
36.50	1.25	0.00	0.00
36.55	1.25	0.00	0.00
36.60	1.25	0.00	0.00
36.65	1.25	0.00	0.00
36.70	1.25	0.00	0.00
36.75	1.25	0.00	0.00
36.80	1.25	0.00	0.00
36.85	1.25	0.00	0.00
36.90	1.25	0.00	0.00
36.95	1.25	0.00	0.00
37.00	1.25	0.00	0.00
37.05	1.25	0.00	0.00
37.10	1.25	0.00	0.00
37.15	1.25	0.00	0.00
37.20	1.25	0.00	0.00
37.25	1.25	0.00	0.00
37.30	1.25	0.00	0.00
37.35	1.25	0.00	0.00
37.40	1.25	0.00	0.00
37.45	1.25	0.00	0.00
37.50	1.25	0.00	0.00
37.55	1.25	0.00	0.00
37.60	1.25	0.00	0.00
37.65	1.25	0.00	0.00
37.70	1.25	0.00	0.00
37.75	1.25	0.00	0.00
37.80	1.25	0.00	0.00
37.85	1.25	0.00	0.00
37.90	1.25	0.00	0.00
37.95	1.25	0.00	0.00
38.00	1.25	0.00	0.00
38.05	1.25	0.00	0.00
38.10	1.25	0.00	0.00
38.15	1.25	0.00	0.00
38.20	1.25	0.00	0.00
38.25	1.25	0.00	0.00
38.30	1.25	0.00	0.00
38.35	1.25	0.00	0.00
38.40	1.25	0.00	0.00
38.45	1.25	0.00	0.00
38.50	1.25	0.00	0.00
38.55	1.25	0.00	0.00
38.60	1.25	0.00	0.00
38.65	1.25	0.00	0.00
38.70	1.25	0.00	0.00
38.75	1.25	0.00	0.00
38.80	1.25	0.00	0.00
38.85	1.25	0.00	0.00
38.90	1.25	0.00	0.00
38.95	1.25	0.00	0.00
39.00	1.25	0.00	0.00
39.05	1.25	0.00	0.00
39.10	1.25	0.00	0.00
39.15	1.25	0.00	0.00
39.20	1.25	0.00	0.00
39.25	1.25	0.00	0.00
39.30	1.25	0.00	0.00
39.35	1.25	0.00	0.00
39.40	1.25	0.00	0.00
39.45	1.25	0.00	0.00
39.50	1.25	0.00	0.00
39.55	1.25	0.00	0.00
39.60	1.25	0.00	0.00
39.65	1.25	0.00	0.00
39.70	1.25	0.00	0.00
39.75	1.25	0.00	0.00
39.80	1.25	0.00	0.00
39.85	1.25	0.00	0.00
39.90	1.25	0.00	0.00
39.95	1.25	0.00	0.00
40.00	1.25	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

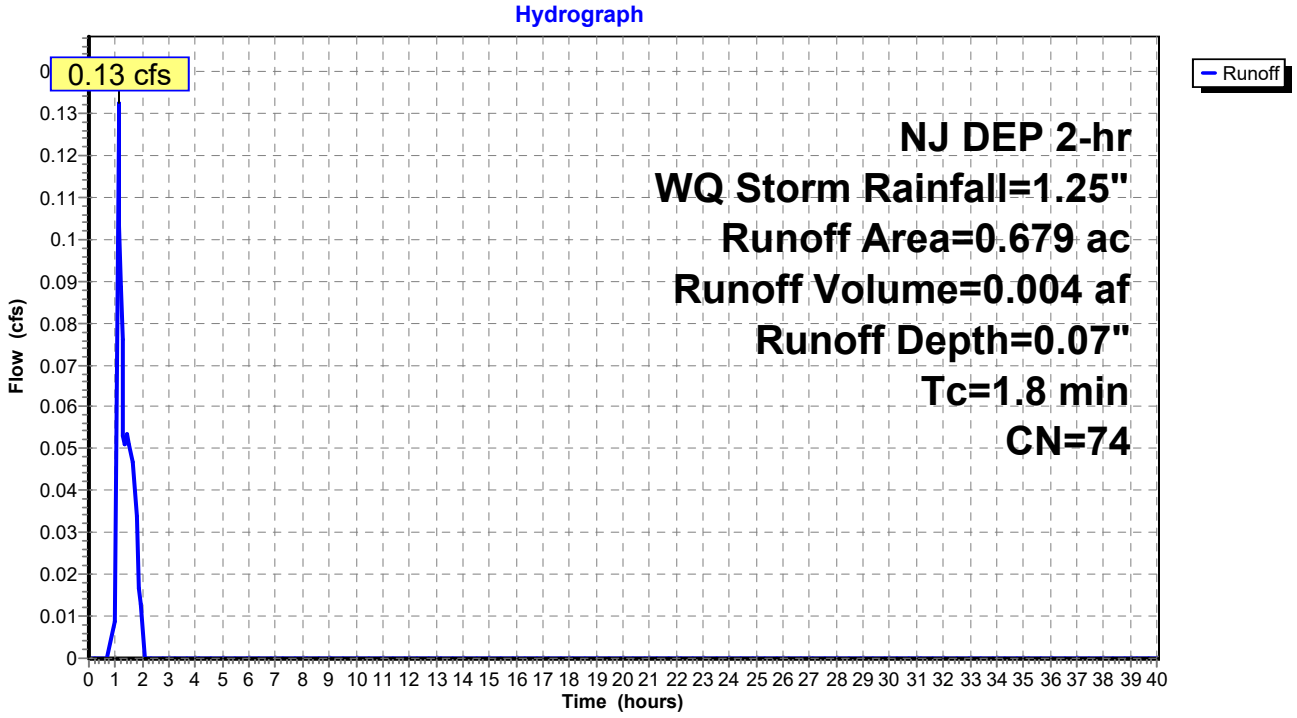
Runoff = 0.13 cfs @ 1.12 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.03	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.13**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.10	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.09	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.08	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.05	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.05	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.05	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.05	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.02	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

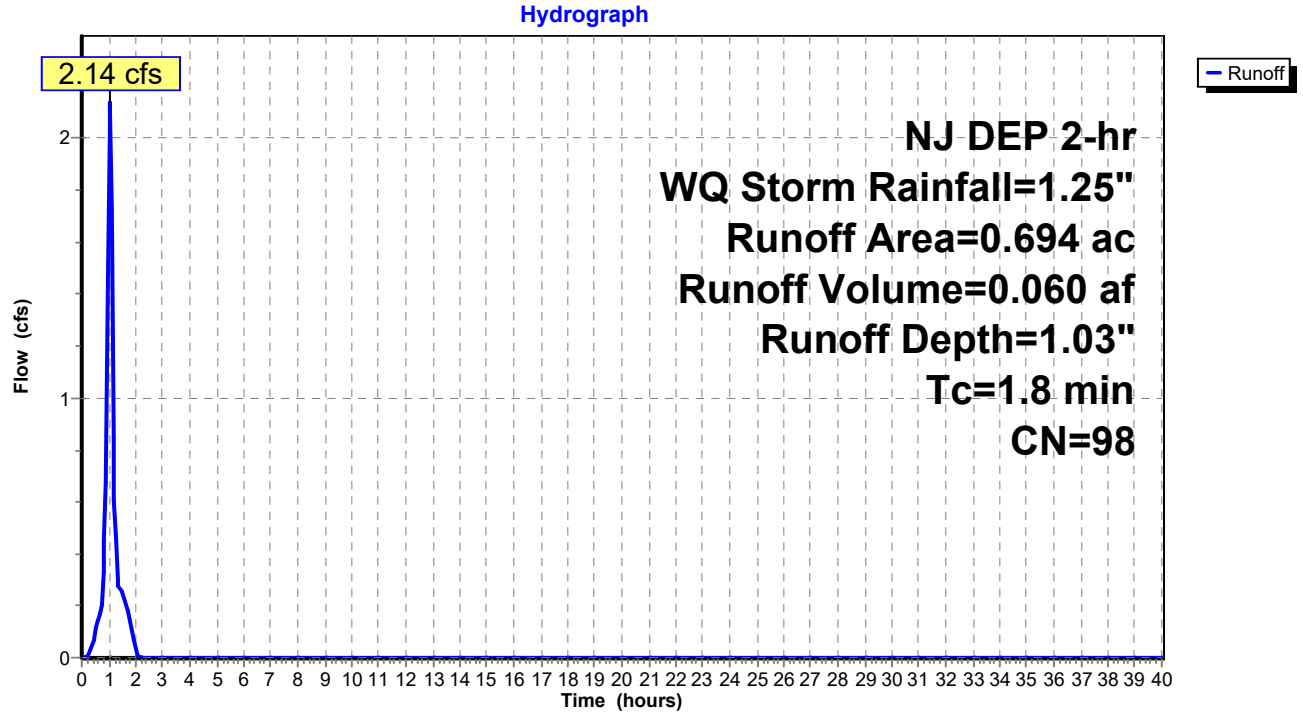
Runoff = 2.14 cfs @ 1.03 hrs, Volume= 0.060 af, Depth= 1.03"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.04	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.06	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.08	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.12	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.14	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.16	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.18	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.20	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.33	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.45	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.67	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.48	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.04	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.11**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.73	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.85	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.60	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.46	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.30	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.28	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.27	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.27	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.27	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.21	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.21	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.21	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.21	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.20	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.09	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.07	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.07	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.06	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.01	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

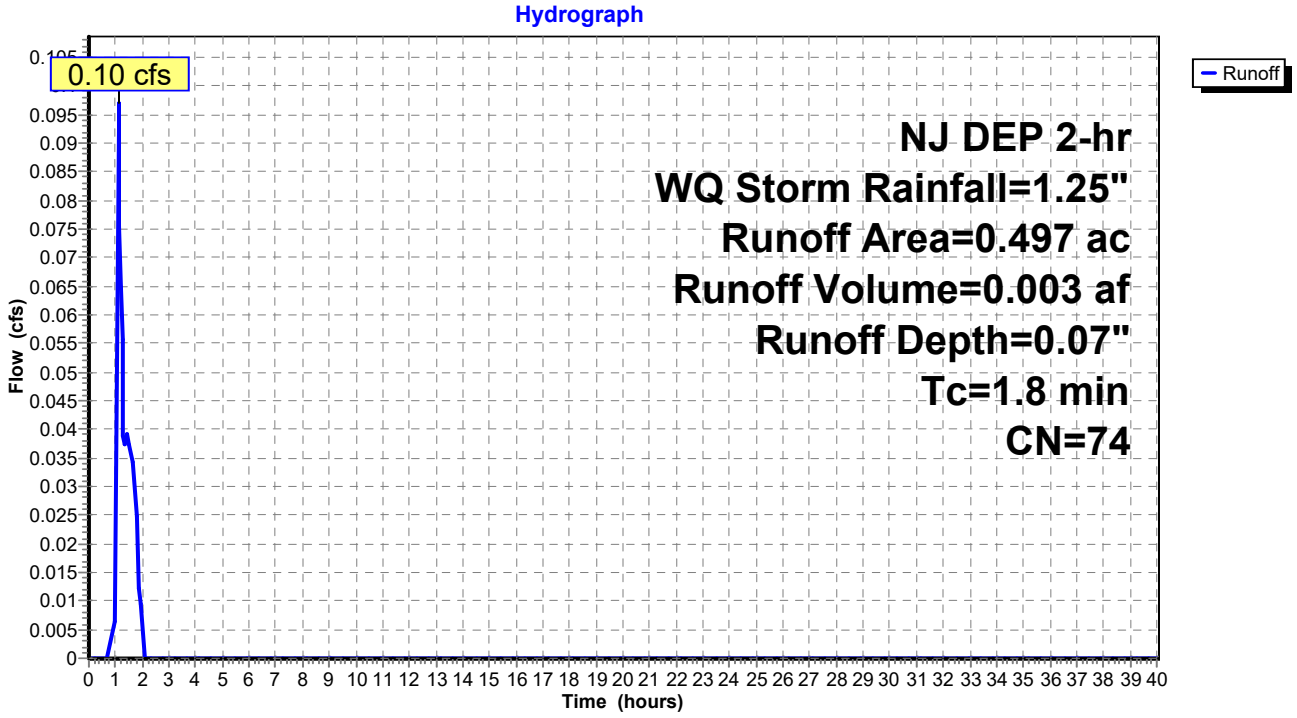
Runoff = 0.10 cfs @ 1.12 hrs, Volume= 0.003 af, Depth= 0.07"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.02	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.09**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.08	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.06	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.06	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.04	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.04	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.04	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.04	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.04	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.03	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.03	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.03	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.04	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.03	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.02	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.01	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.01	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.01	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.01	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

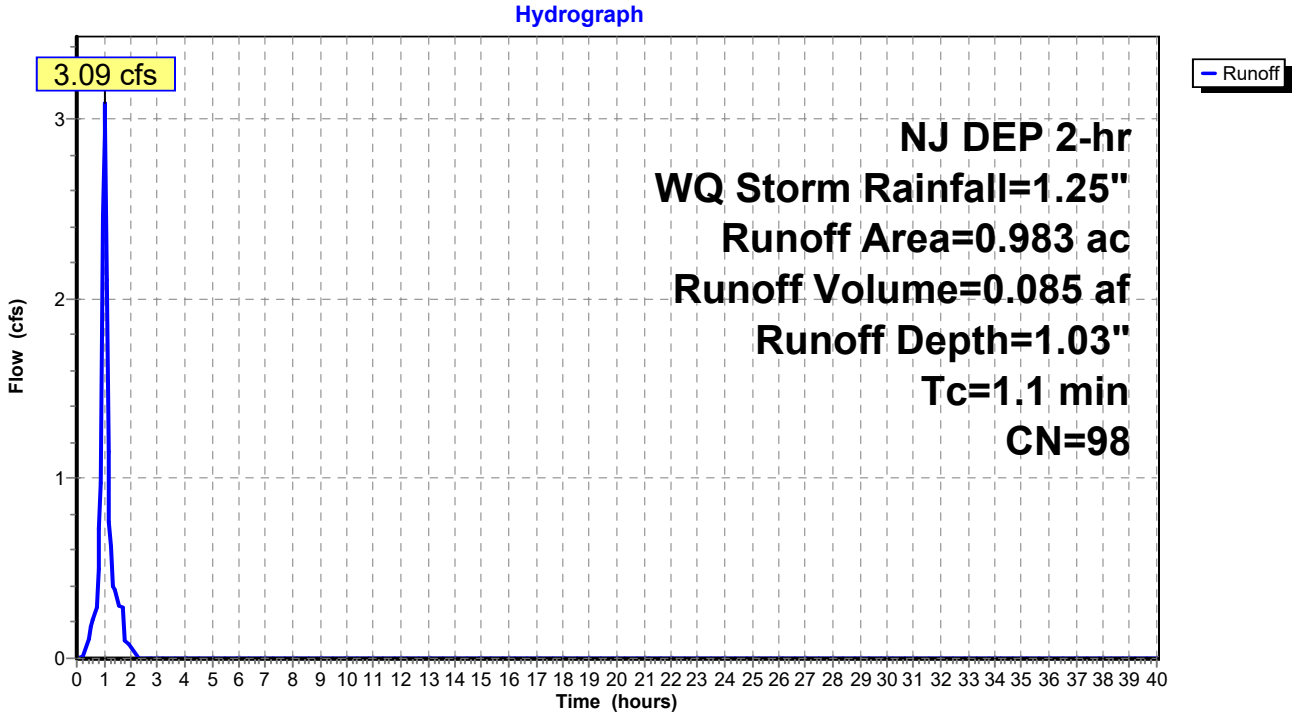
Runoff = 3.09 cfs @ 1.03 hrs, Volume= 0.085 af, Depth= 1.03"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.06	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.09	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.12	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.18	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.21	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.23	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.25	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.31	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.50	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.72	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.98	3.50	1.25	1.03	0.00
0.95	0.46	0.29	2.47	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.92	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**3.01**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.10	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.15	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.76	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.62	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.40	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.39	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.38	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.38	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.37	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.29	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.29	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.29	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.29	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.26	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.10	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.10	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.10	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.10	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.00	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

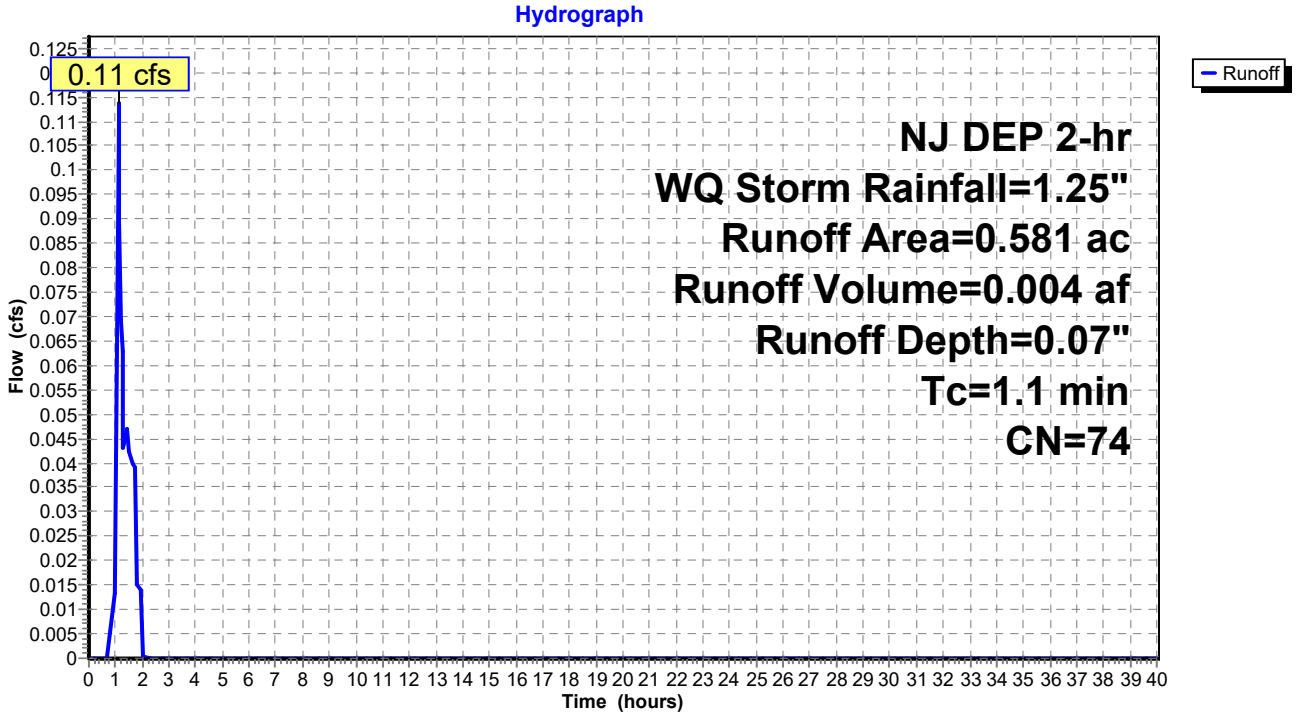
Runoff = 0.11 cfs @ 1.11 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.04	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.11**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.09	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.07	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.06	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.04	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.04	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.05	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.05	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.05	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.04	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.04	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.04	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.04	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.04	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.01	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.01	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.01	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.01	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.01	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

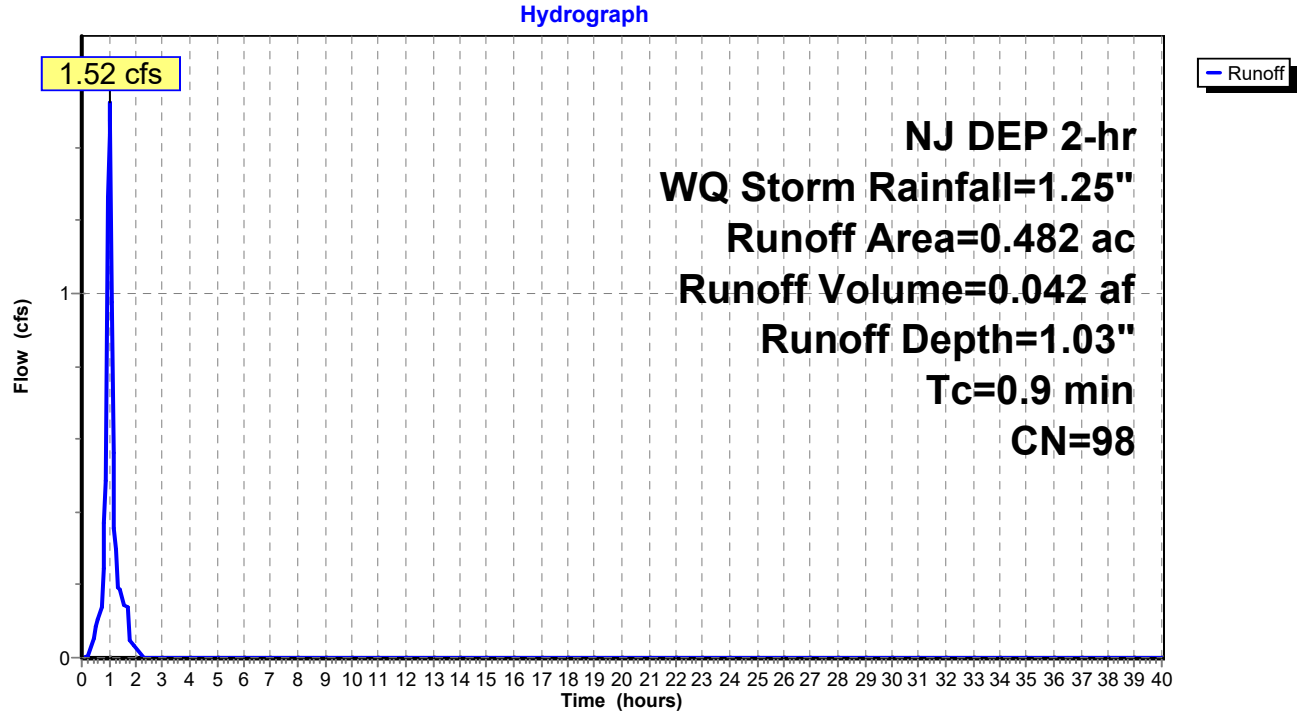
Runoff = 1.52 cfs @ 1.03 hrs, Volume= 0.042 af, Depth= 1.03"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.06	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.09	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.11	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.13	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.16	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.25	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.37	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.49	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.26	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.44	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.48**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.98	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.56	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.36	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.30	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.19	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.19	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.19	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.19	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.18	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.14	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.14	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.14	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.14	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.12	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.05	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.05	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.05	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.04	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.00	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

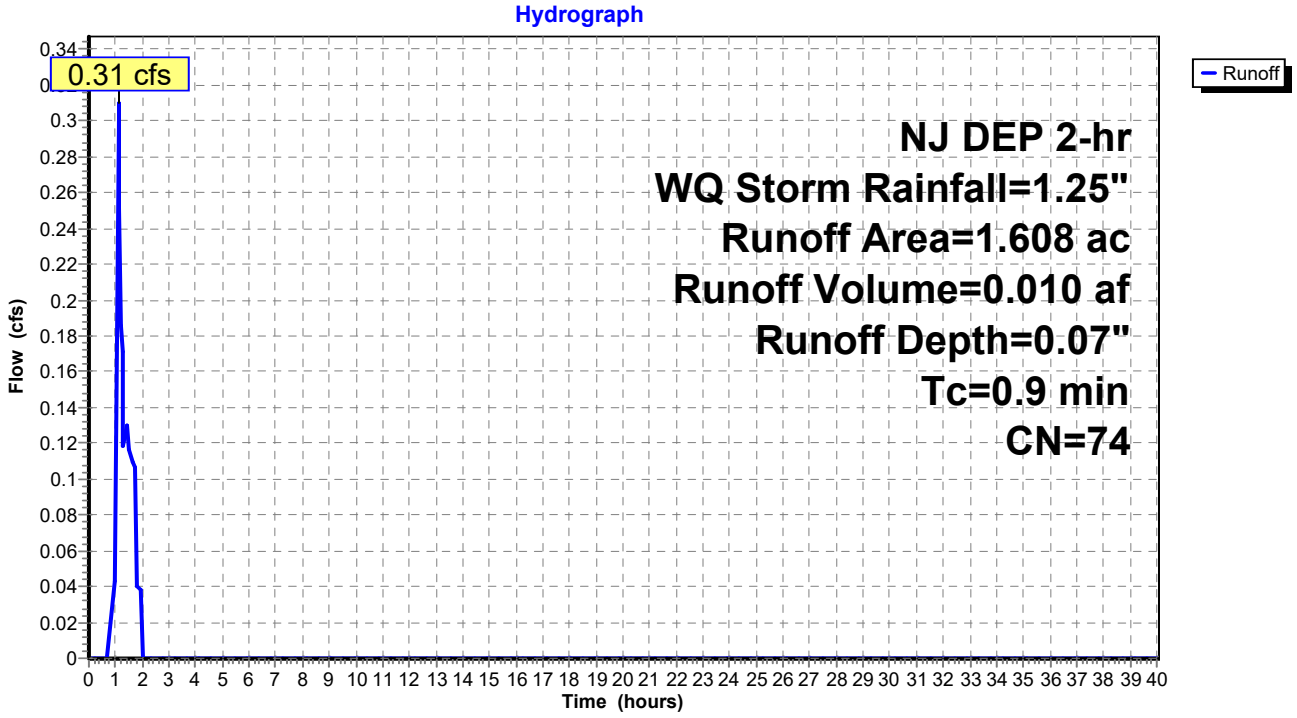
Runoff = 0.31 cfs @ 1.11 hrs, Volume= 0.010 af, Depth= 0.07"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.13	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.30**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.25	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.19	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.17	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.12	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.12	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.13	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.13	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.13	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.11	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.11	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.11	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.11	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.10	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.04	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 9l: PDA-9 (impervious)

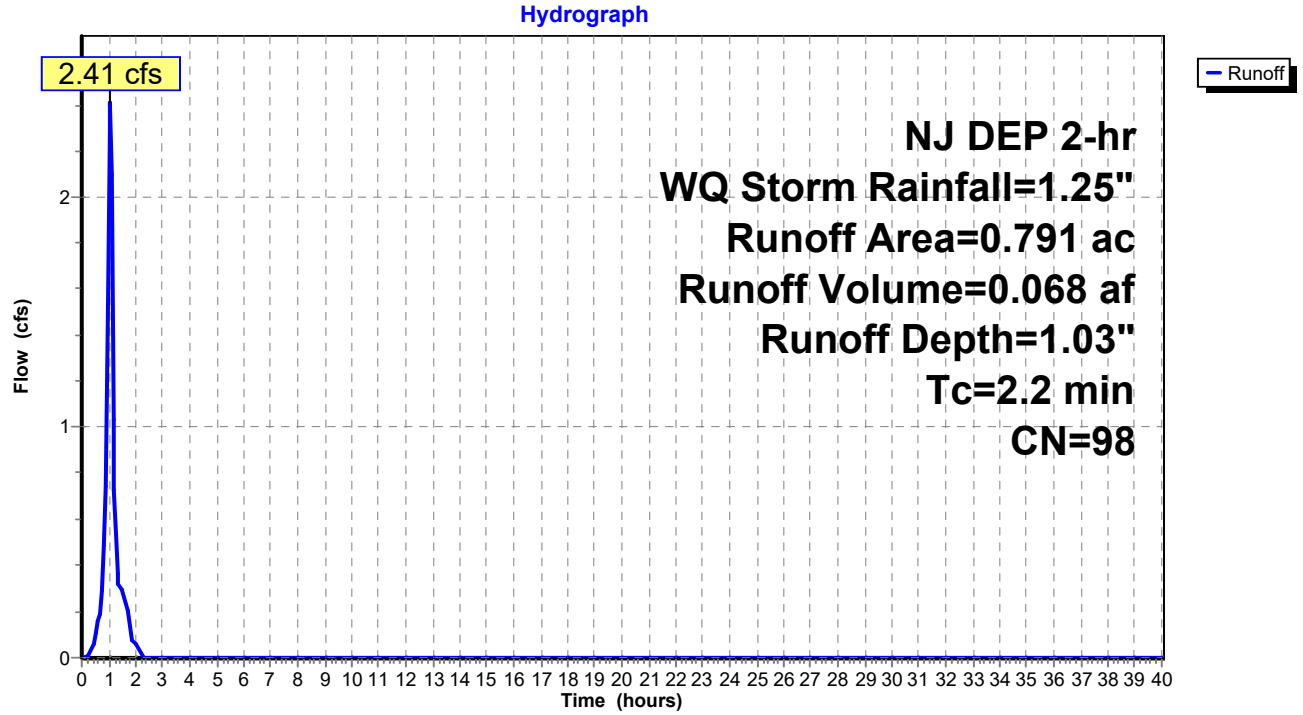
Runoff = 2.41 cfs @ 1.04 hrs, Volume= 0.068 af, Depth= 1.03"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9l: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.04	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.06	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.08	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.13	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.16	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.18	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.20	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.22	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.36	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.49	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.75	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.52	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.28	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.40**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.10	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.03	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.73	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.54	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.36	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.32	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.31	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.31	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.30	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.25	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.23	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.23	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.23	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.23	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.11	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.08	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.08	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.08	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.07	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.02	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

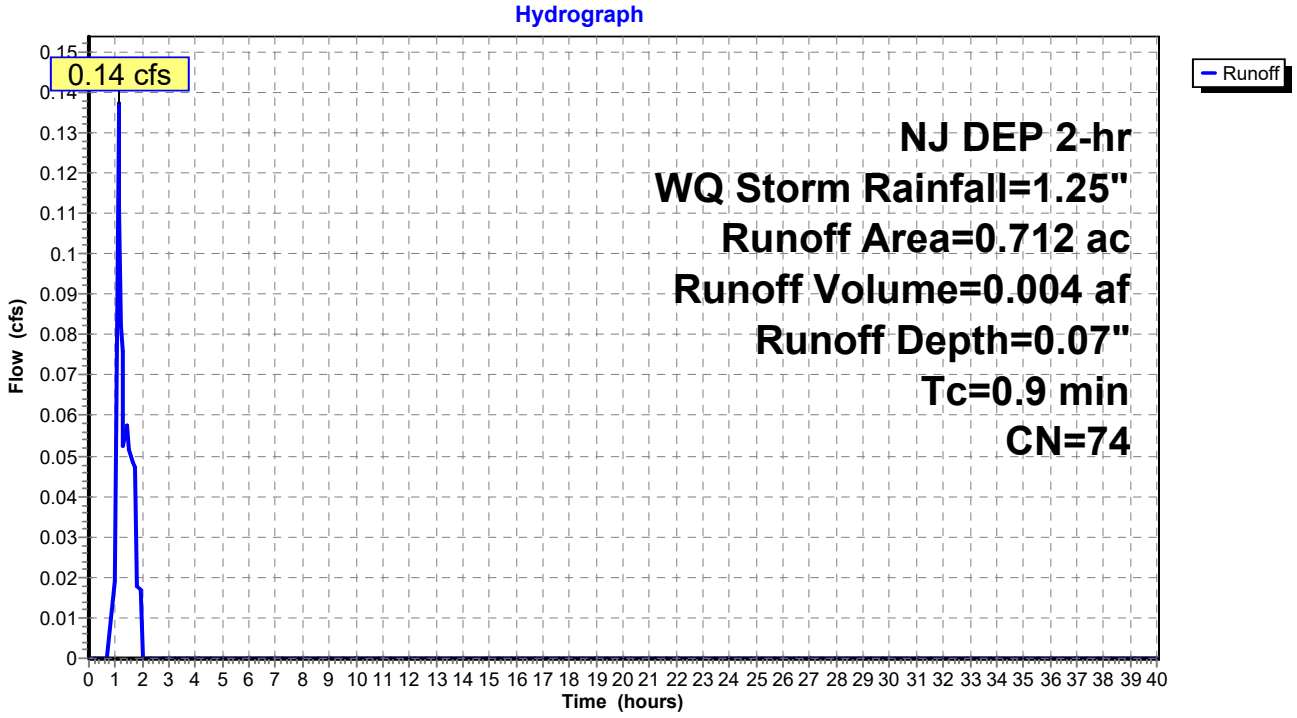
Runoff = 0.14 cfs @ 1.11 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.06	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.13**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.11	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.08	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.08	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.05	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.05	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.04	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.02	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.01	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 10l: PDA-10 (impervious)

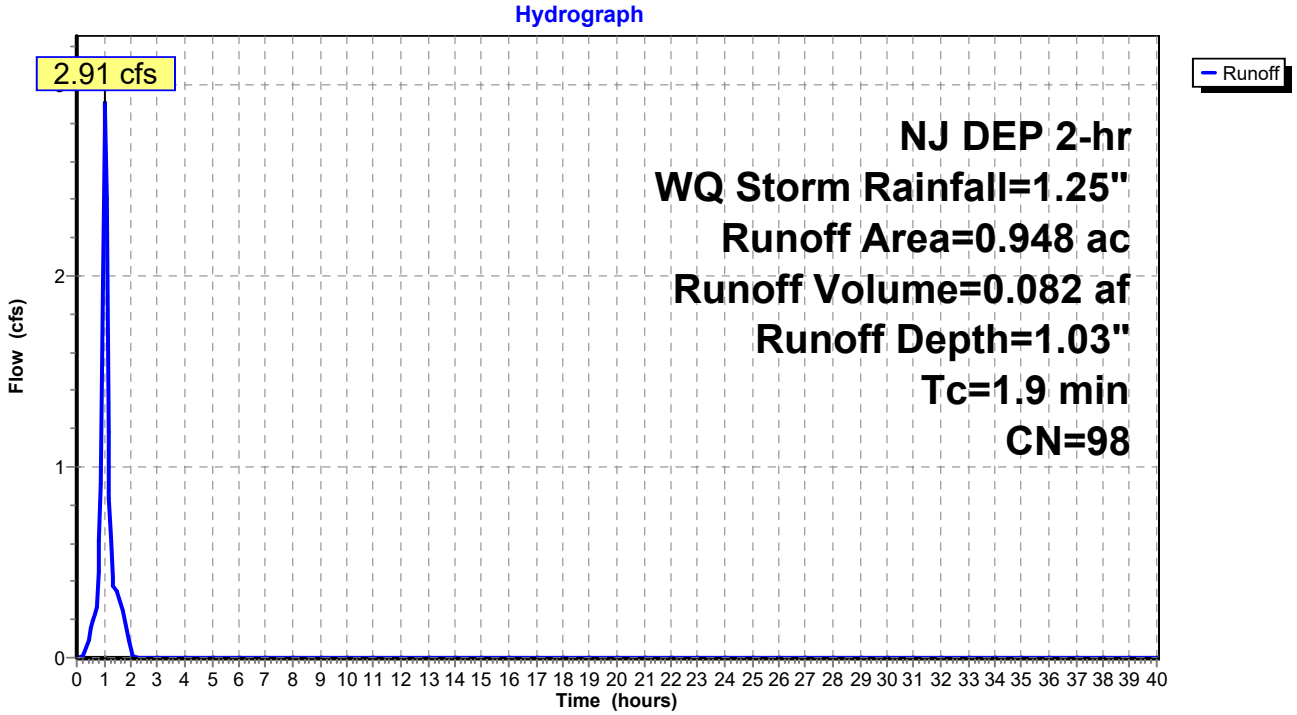
Runoff = 2.91 cfs @ 1.03 hrs, Volume= 0.082 af, Depth= 1.03"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**

Subcatchment 10l: PDA-10 (impervious)



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.05	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.08	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.10	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.16	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.19	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.22	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.24	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.27	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.45	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.61	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.91	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.97	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.77	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.88**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.41	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.18	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.84	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.64	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.42	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.38	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.37	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.37	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.36	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.29	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.28	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.28	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.28	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.27	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.12	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.09	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.09	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.09	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.09	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.01	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

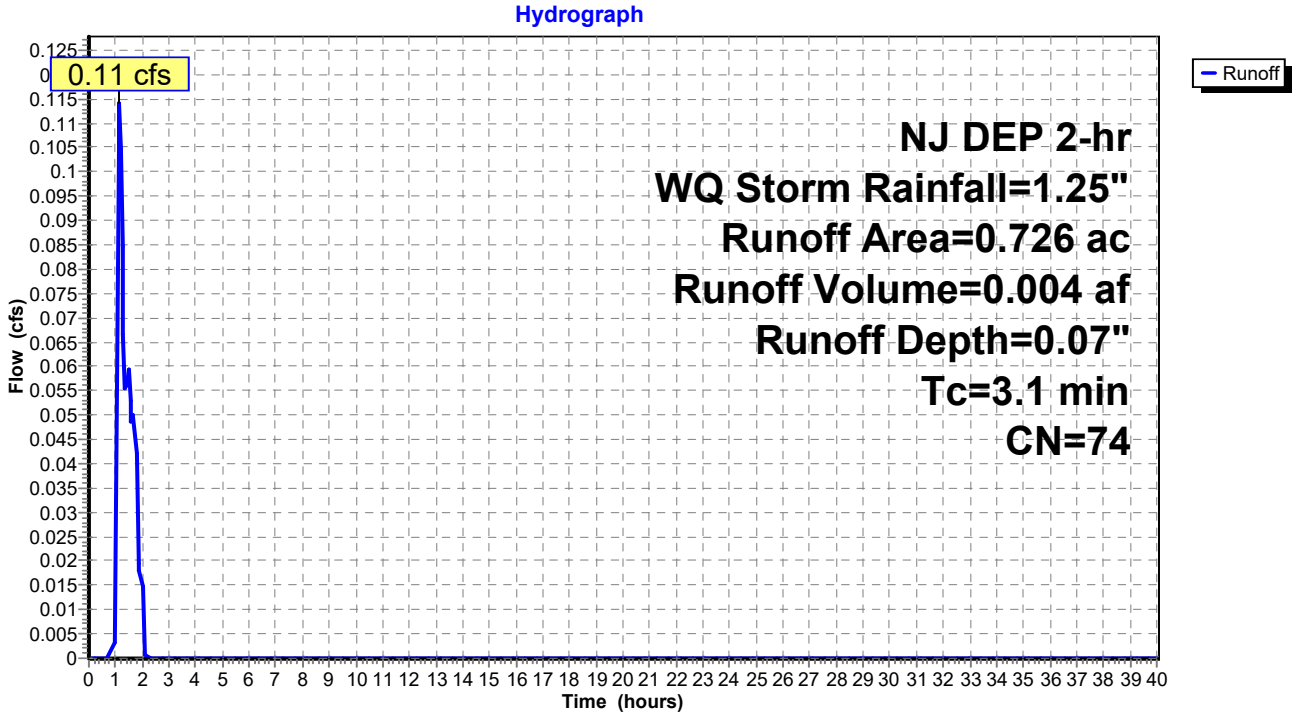
Runoff = 0.11 cfs @ 1.15 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.01	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.10	3.70	1.25	0.07	0.00
1.15	0.97	0.02	**0.11**	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.08	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.07	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.06	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 11I: PDA-11 (impervious)

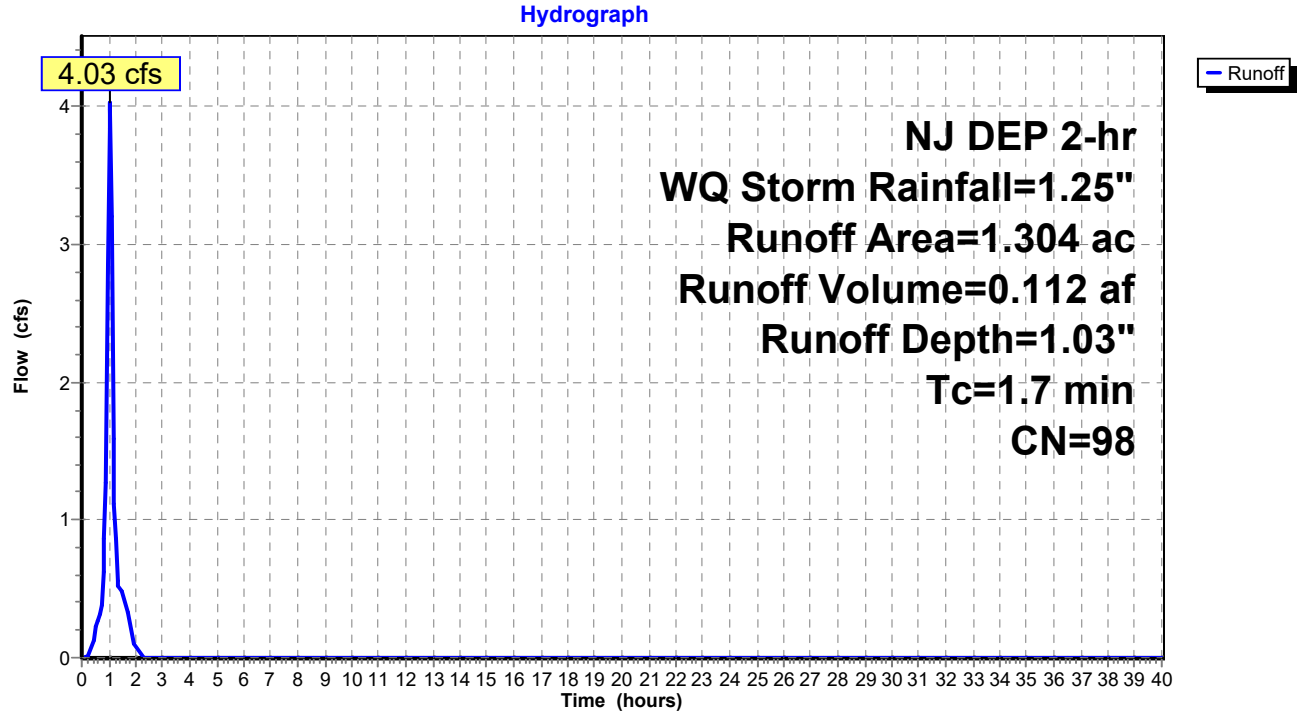
Runoff = 4.03 cfs @ 1.03 hrs, Volume= 0.112 af, Depth= 1.03"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**

Subcatchment 11I: PDA-11 (impervious)



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.07	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.11	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.15	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.22	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.27	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.30	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.33	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.38	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.63	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.87	3.45	1.25	1.03	0.00
0.90	0.34	0.18	1.27	3.50	1.25	1.03	0.00
0.95	0.46	0.29	2.84	3.55	1.25	1.03	0.00
1.00	0.63	0.43	3.84	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**3.97**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.20	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.58	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.12	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.87	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.56	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.52	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.51	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.51	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.50	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.40	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.39	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.39	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.39	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.37	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.16	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.13	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.13	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.13	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.12	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.01	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

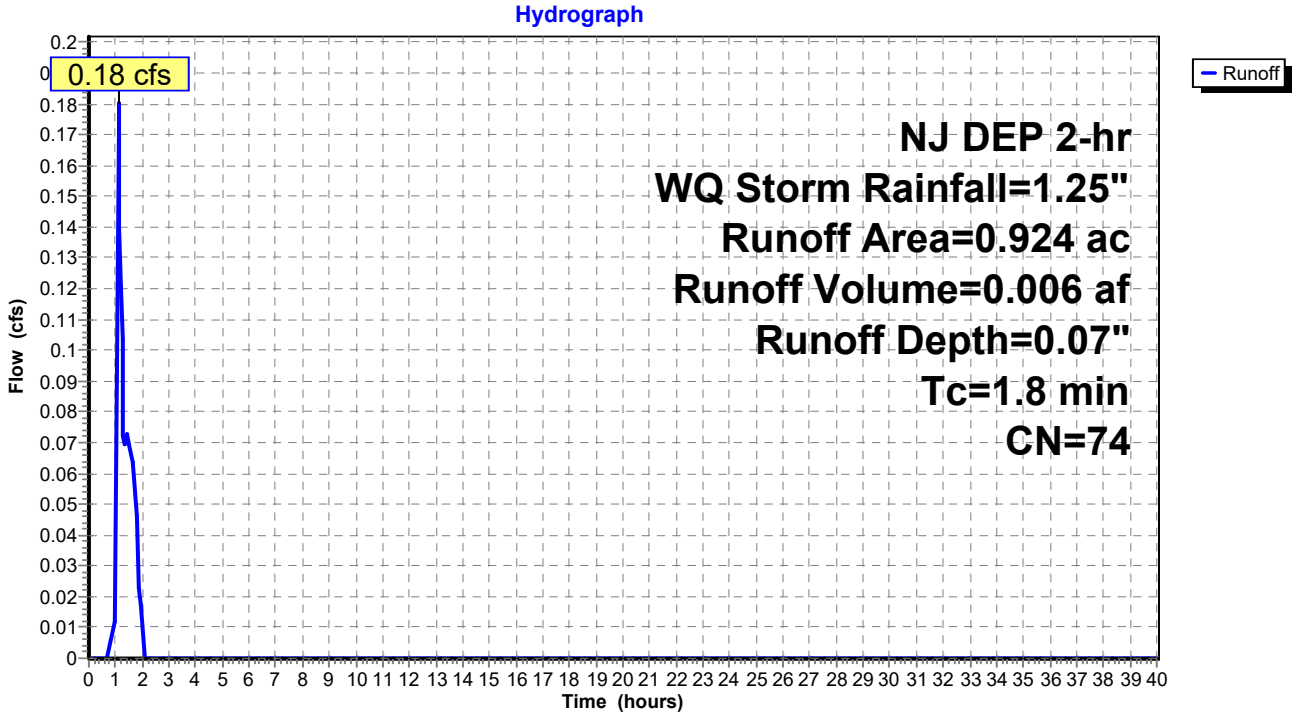
Runoff = 0.18 cfs @ 1.12 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.04	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.17**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.14	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.10	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.07	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.07	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.07	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

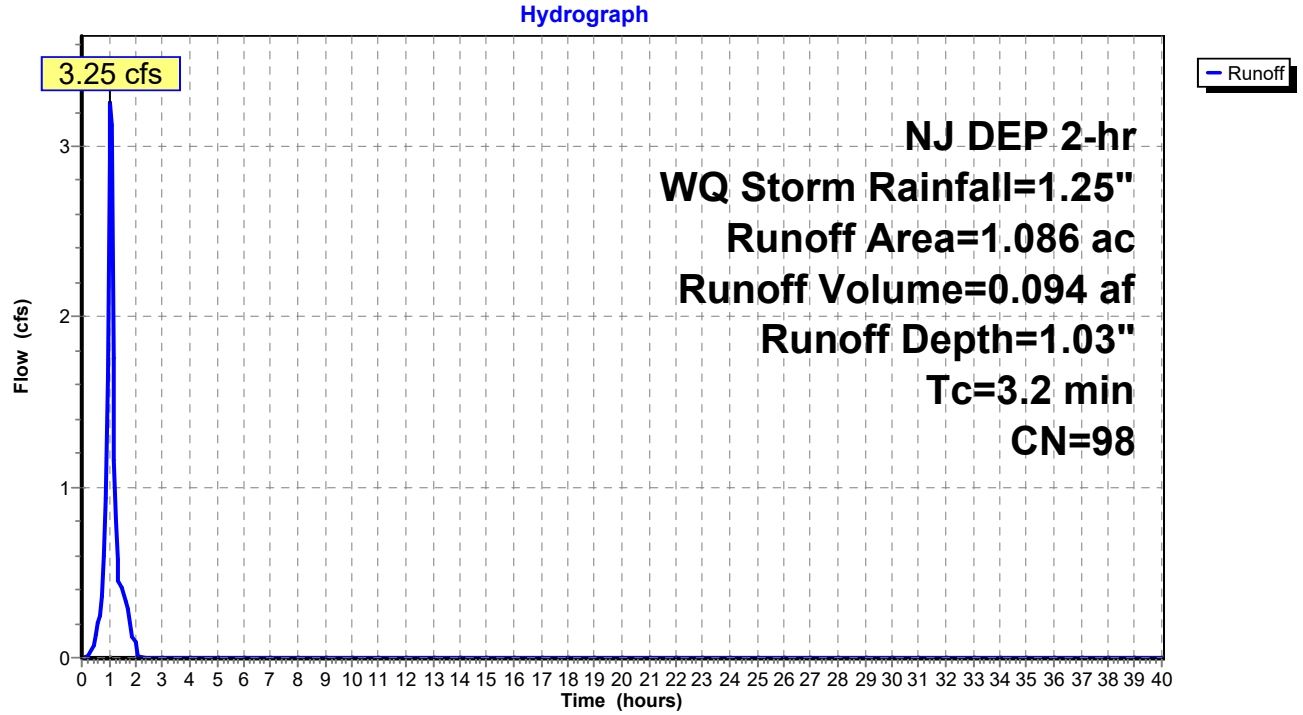
Runoff = 3.25 cfs @ 1.06 hrs, Volume= 0.094 af, Depth= 1.03"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.04	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.08	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.11	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.16	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.21	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.24	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.26	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.29	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.43	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.60	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.94	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.65	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.93	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**3.24**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.12	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.75	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.16	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.80	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.58	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.45	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.43	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.42	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.42	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.37	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.33	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.32	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.32	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.32	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.20	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.12	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.11	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.11	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.11	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.05	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.01	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

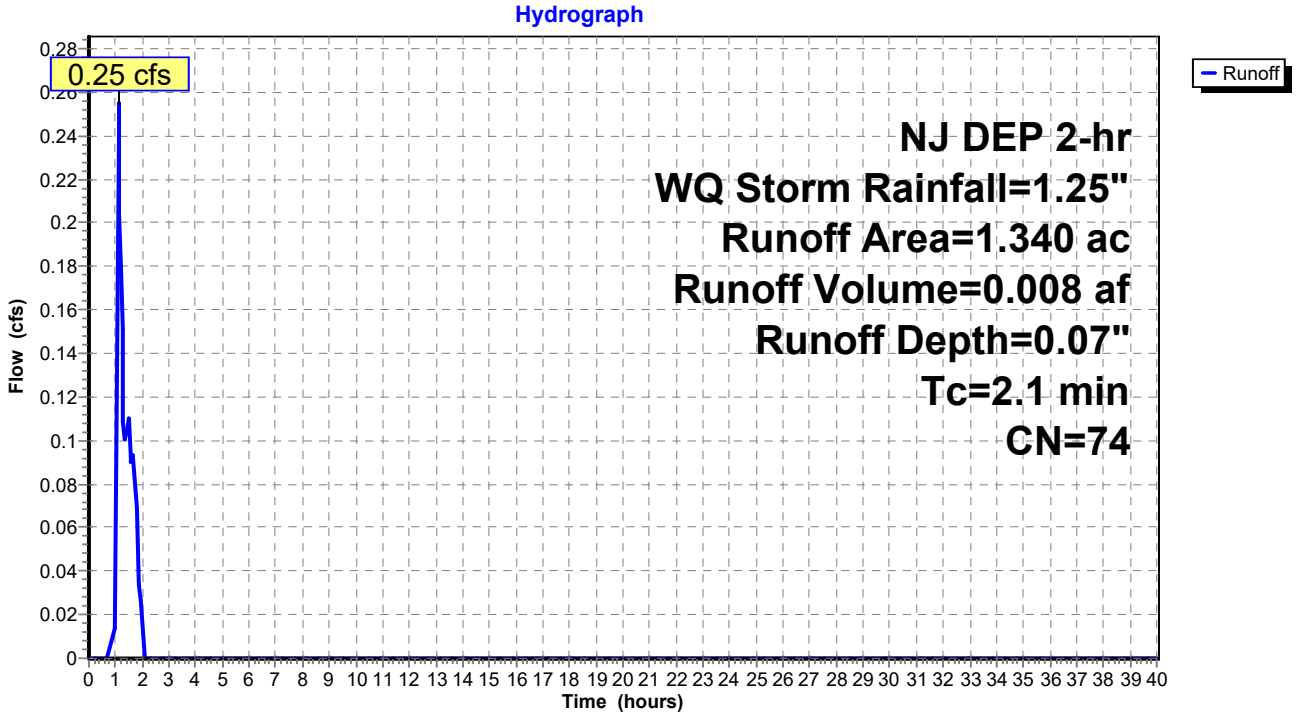
Runoff = 0.25 cfs @ 1.12 hrs, Volume= 0.008 af, Depth= 0.07"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.04	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.24**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.20	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.18	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.15	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.10	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.11	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.09	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.09	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.09	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.09	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

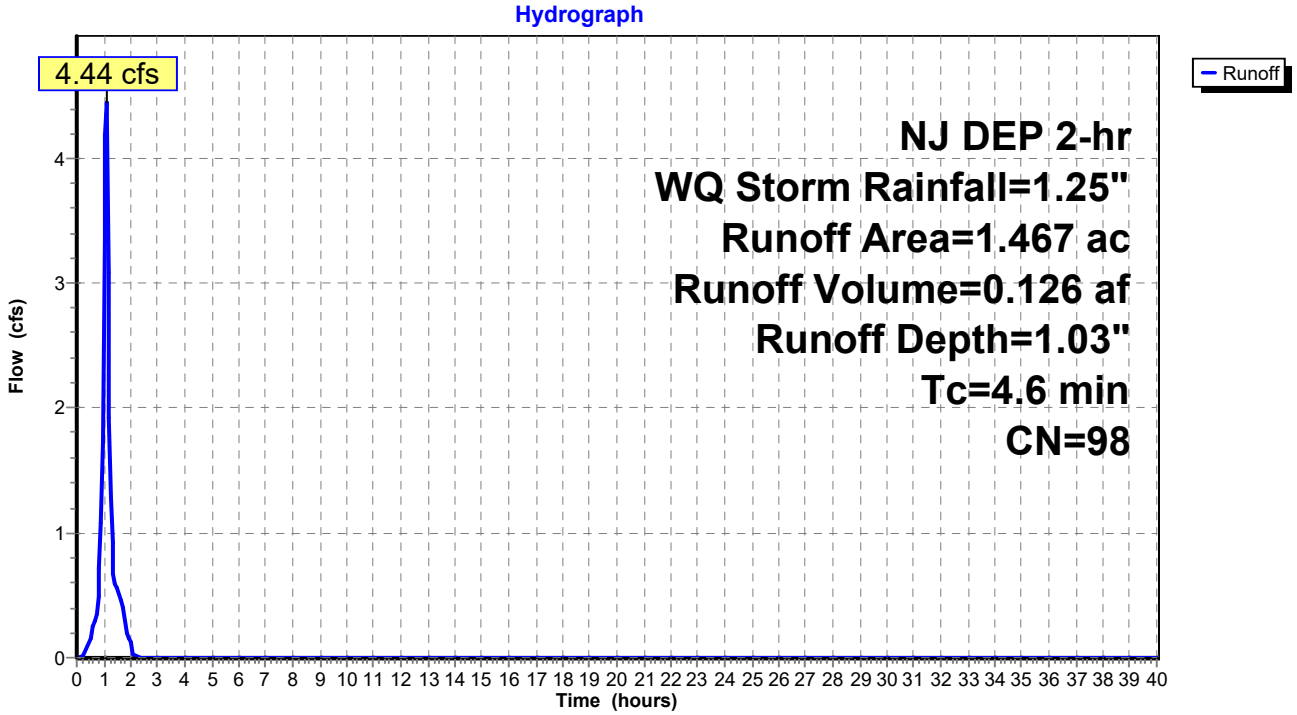
Runoff = 4.44 cfs @ 1.08 hrs, Volume= 0.126 af, Depth= 1.03"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.04	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.08	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.13	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.18	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.25	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.30	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.34	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.38	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.49	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.71	3.45	1.25	1.03	0.00
0.90	0.34	0.18	1.08	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.72	3.55	1.25	1.03	0.00
1.00	0.63	0.43	3.34	3.60	1.25	1.03	0.00
1.05	0.79	0.58	4.17	3.65	1.25	1.03	0.00
1.10	0.91	0.71	**4.34**	3.70	1.25	1.03	0.00
1.15	0.97	0.76	3.08	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.92	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.28	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.93	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.67	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.59	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.58	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.57	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.53	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.46	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.44	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.43	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.43	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.35	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.20	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.16	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.15	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.14	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.10	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.03	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.01	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

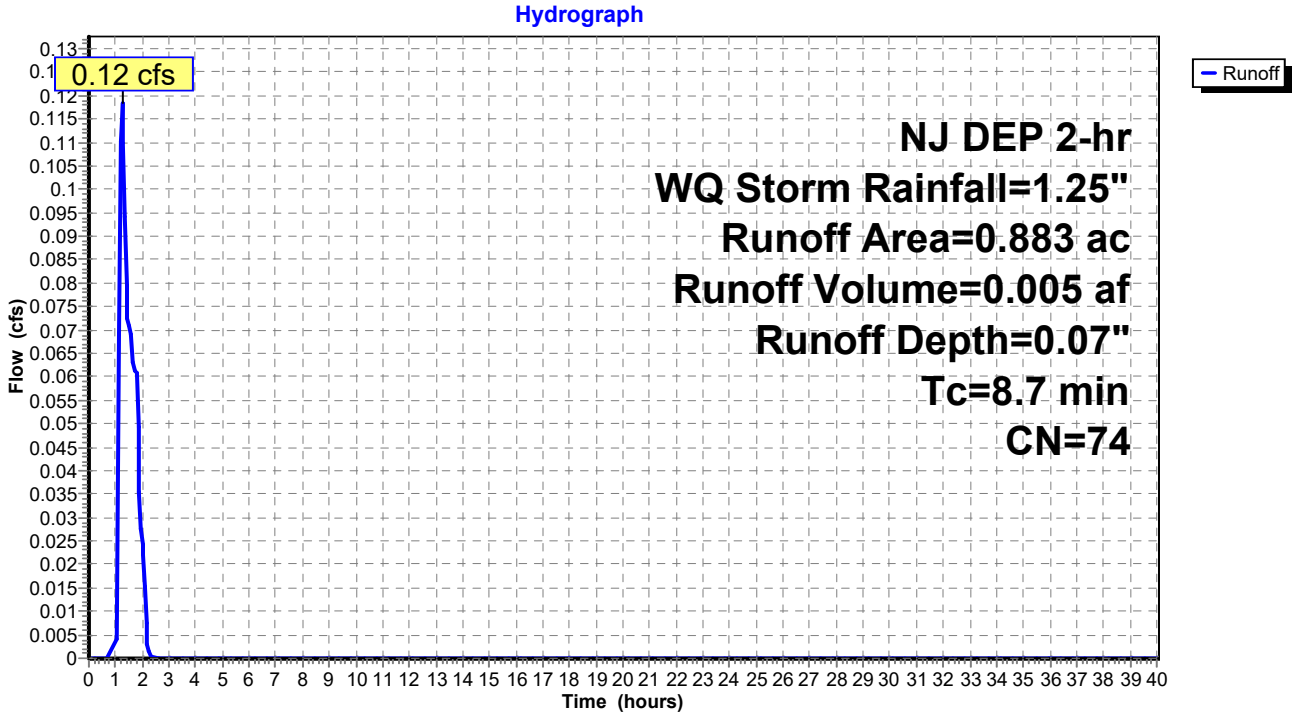
Runoff = 0.12 cfs @ 1.25 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.07	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.11	3.80	1.25	0.07	0.00
1.25	1.05	0.03	**0.12**	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.09	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.07	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.05	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 14l: PDA-14 (impervious)

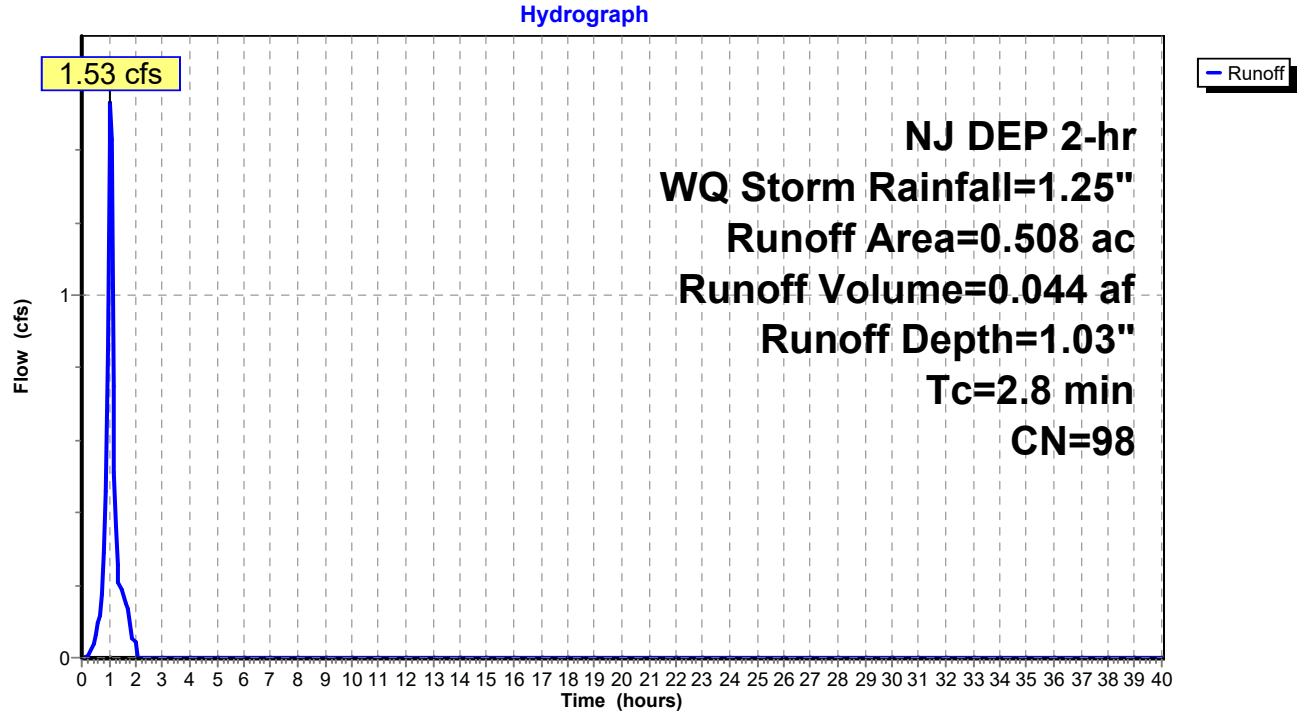
Runoff = 1.53 cfs @ 1.05 hrs, Volume= 0.044 af, Depth= 1.03"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 14l: PDA-14 (impervious)



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.08	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.11	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.12	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.14	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.29	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.46	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.85	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.42	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.53**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.43	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.75	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.51	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.36	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.26	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.21	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.20	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.20	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.20	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.17	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.15	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.15	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.15	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.15	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.09	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.05	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.05	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.05	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.02	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

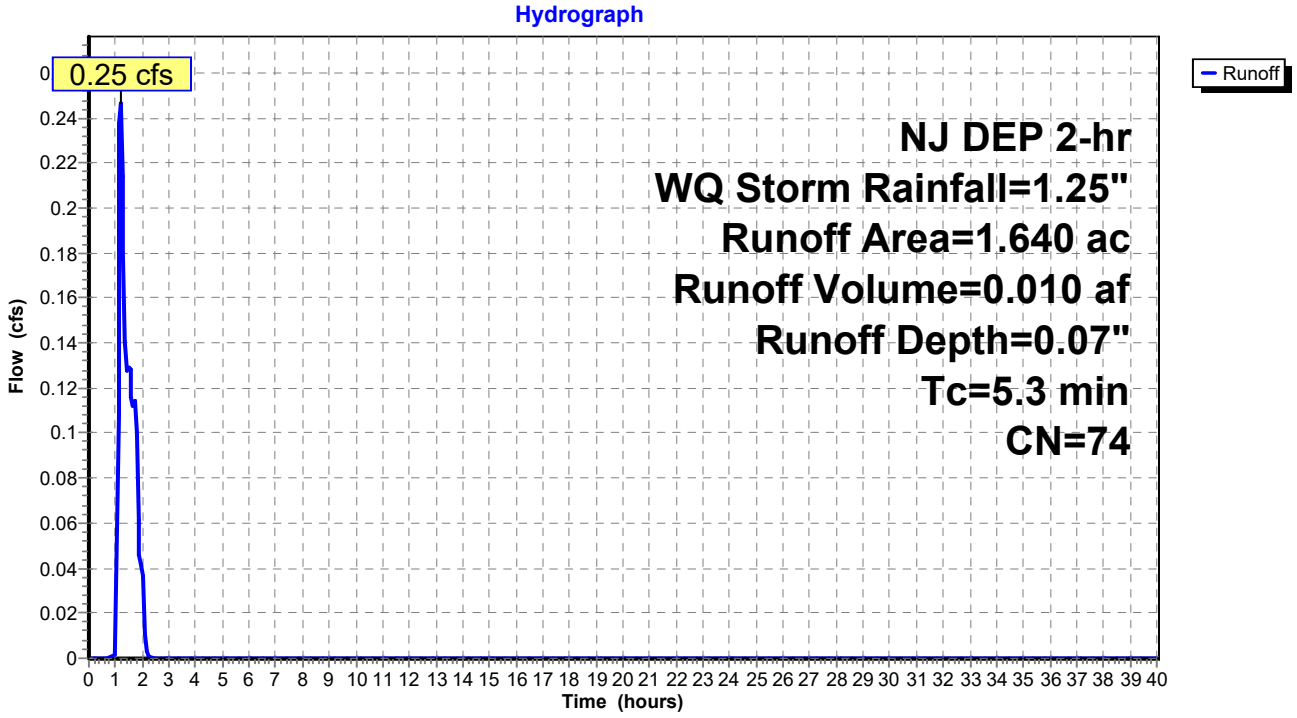
Runoff = 0.25 cfs @ 1.18 hrs, Volume= 0.010 af, Depth= 0.07"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.11	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.24	3.75	1.25	0.07	0.00
1.20	1.02	0.03	**0.24**	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.21	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.18	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.14	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.13	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.13	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.13	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.13	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.12	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.11	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.11	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.12	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.10	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

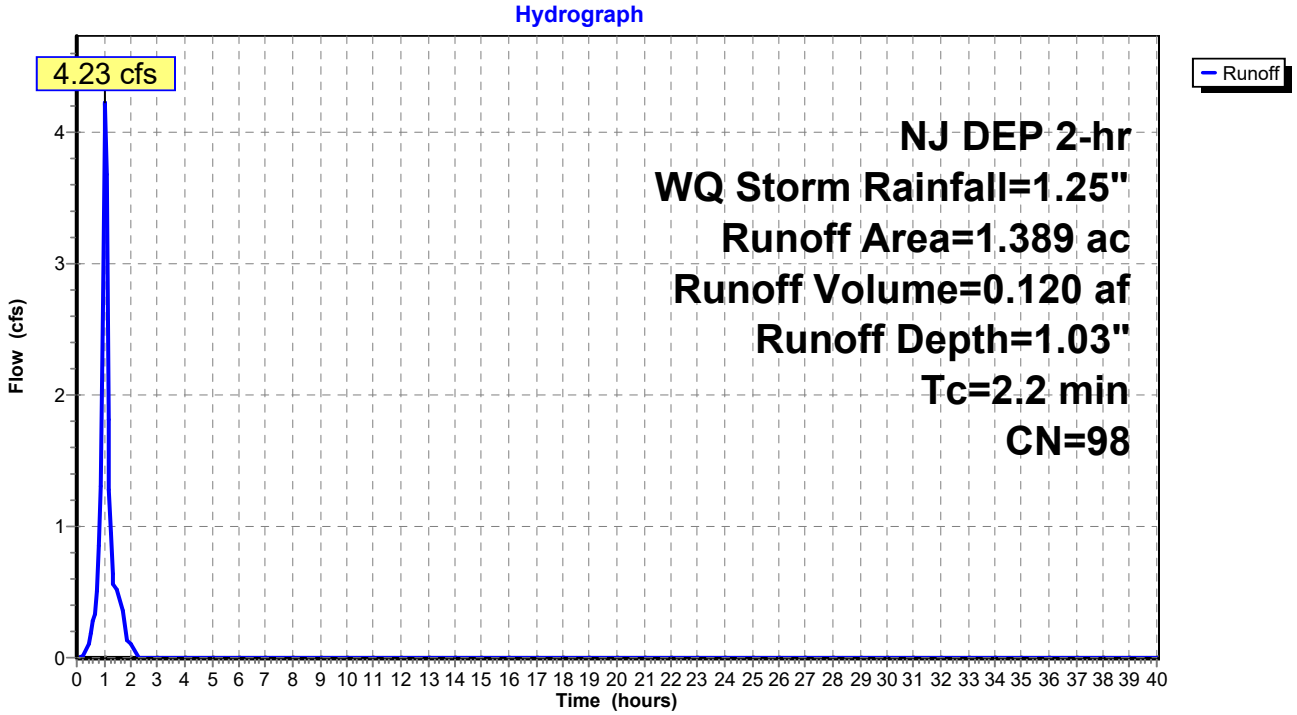
Runoff = 4.23 cfs @ 1.04 hrs, Volume= 0.120 af, Depth= 1.03"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.07	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.11	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.15	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.23	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.28	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.31	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.35	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.39	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.63	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.86	3.45	1.25	1.03	0.00
0.90	0.34	0.18	1.31	3.50	1.25	1.03	0.00
0.95	0.46	0.29	2.68	3.55	1.25	1.03	0.00
1.00	0.63	0.43	4.01	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**4.21**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.68	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.81	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.29	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.95	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.64	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.55	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.54	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.54	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.54	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.44	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.41	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.41	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.41	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.40	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.20	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.14	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.14	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.14	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.13	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.03	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

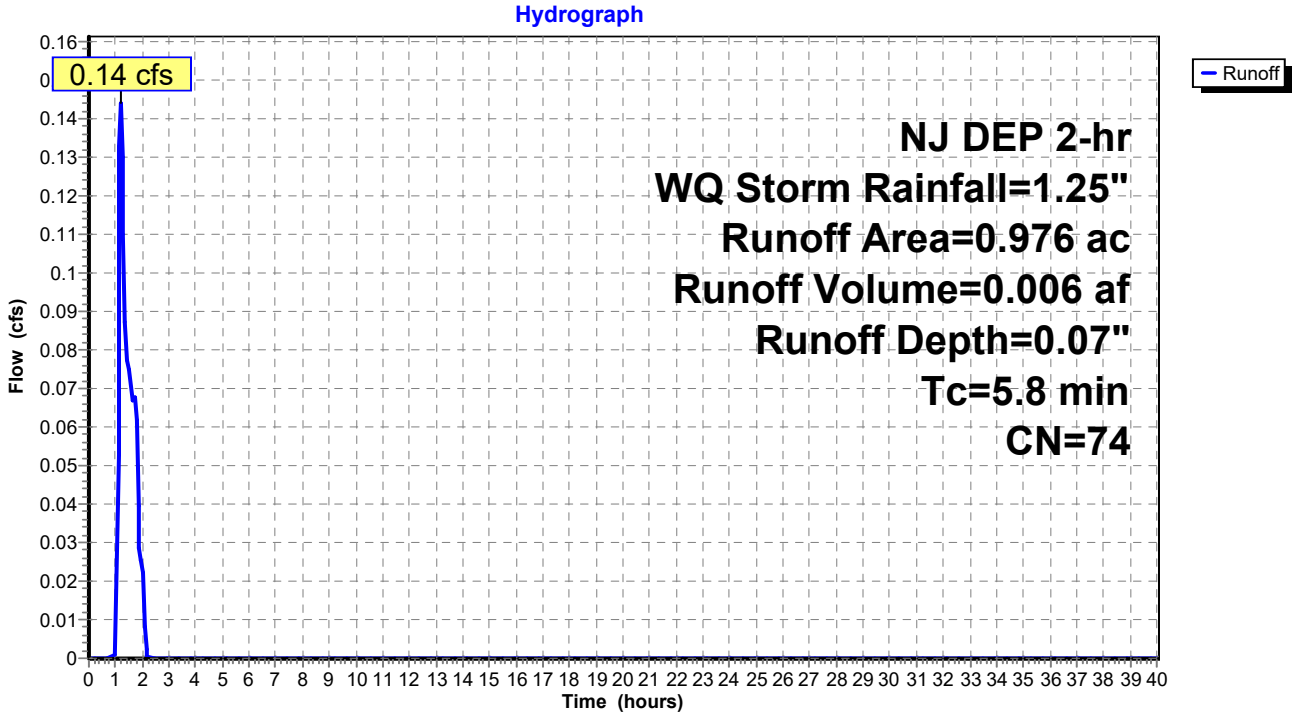
Runoff = 0.14 cfs @ 1.20 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.05	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.13	3.75	1.25	0.07	0.00
1.20	1.02	0.03	**0.14**	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.13	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.09	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.06	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 16AI: PDA-16A (impervious)

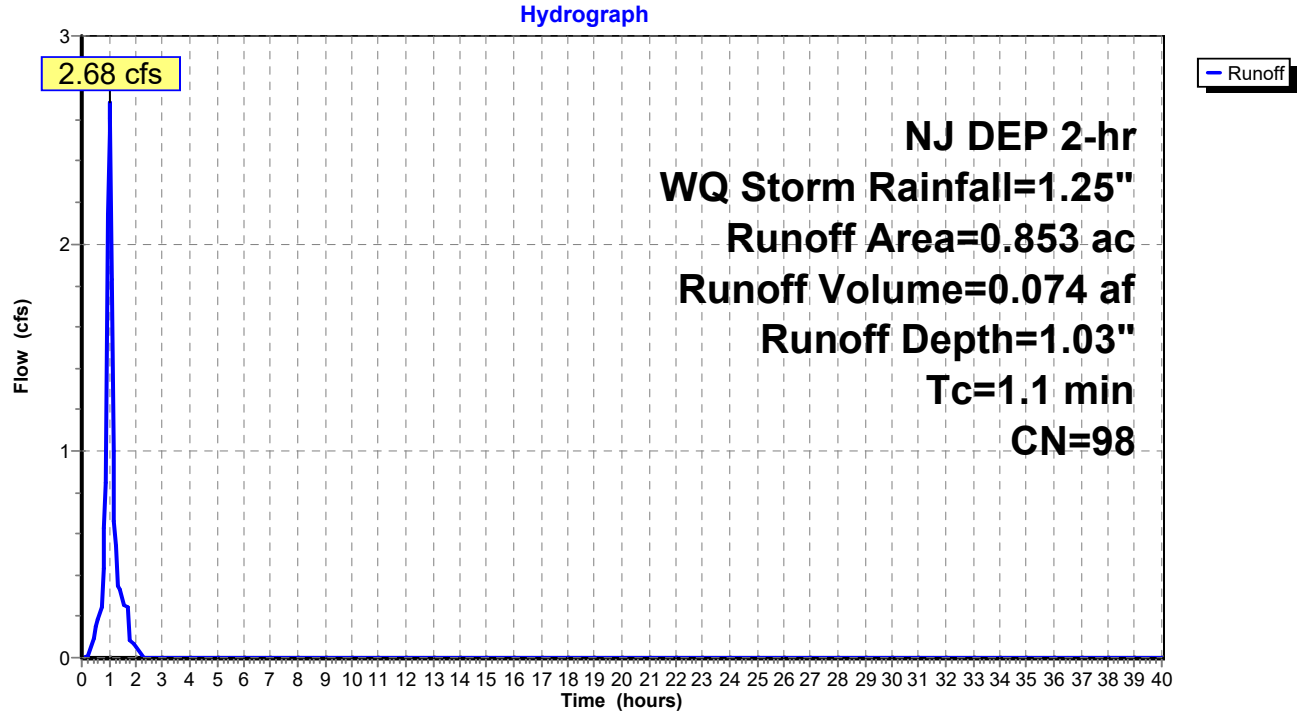
Runoff = 2.68 cfs @ 1.03 hrs, Volume= 0.074 af, Depth= 1.03"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 16AI: PDA-16A (impervious)



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.05	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.08	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.10	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.15	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.18	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.20	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.22	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.27	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.43	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.63	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.85	3.50	1.25	1.03	0.00
0.95	0.46	0.29	2.14	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.54	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.61**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.83	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.00	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.66	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.54	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.35	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.34	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.33	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.33	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.32	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.25	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.25	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.25	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.25	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.22	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.09	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.08	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.08	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.08	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.07	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.00	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

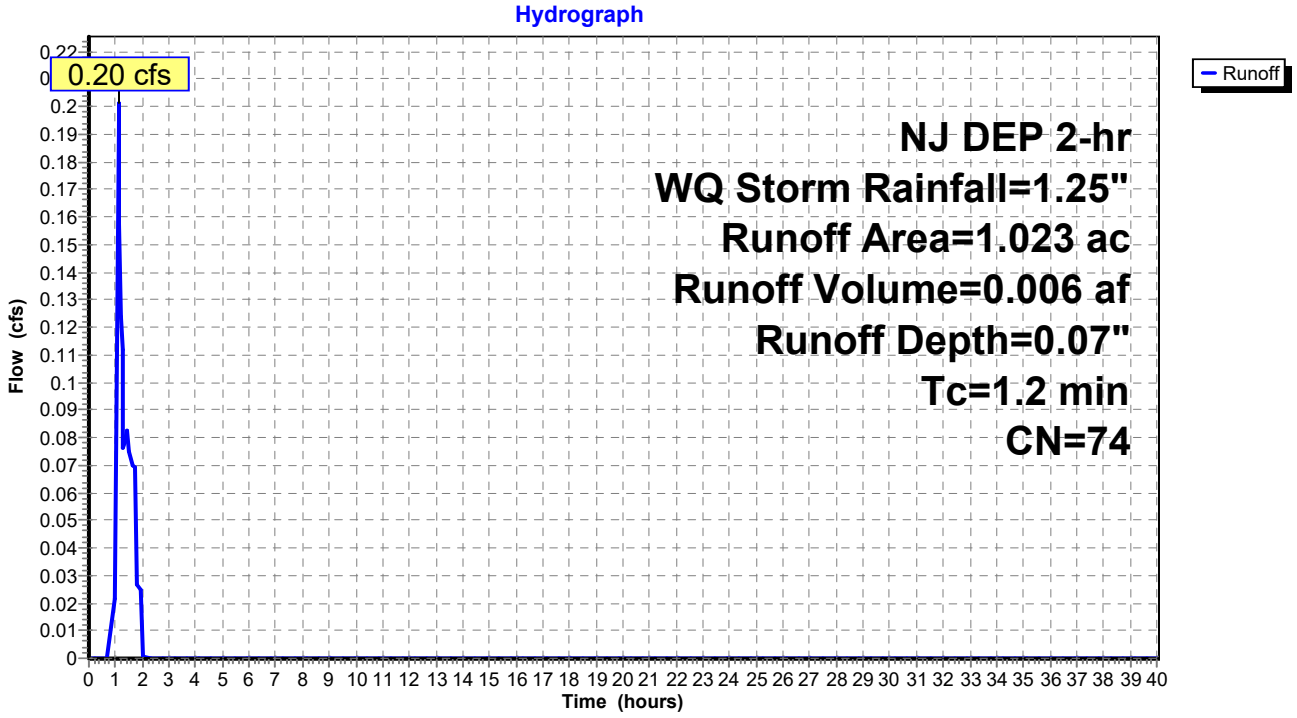
Runoff = 0.20 cfs @ 1.11 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.06	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.19**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.16	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.11	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.08	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

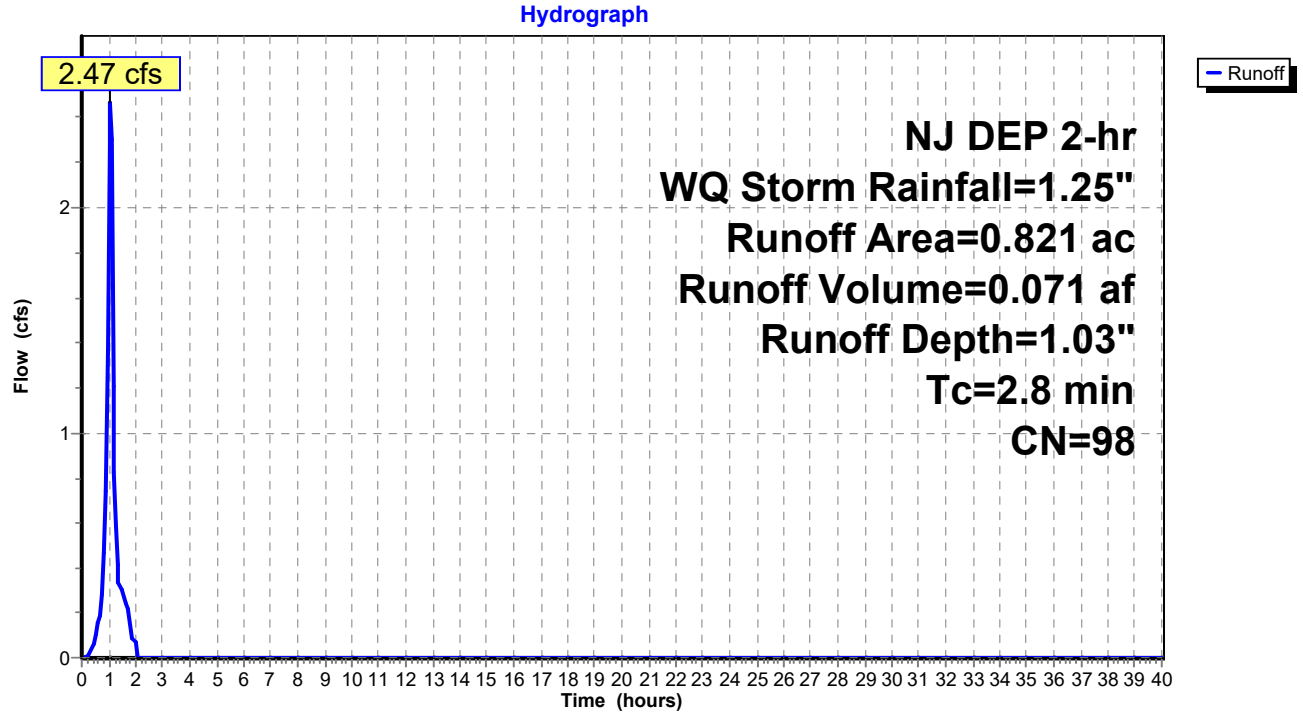
Runoff = 2.47 cfs @ 1.05 hrs, Volume= 0.071 af, Depth= 1.03"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.06	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.08	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.12	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.16	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.18	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.20	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.22	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.34	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.47	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.74	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.37	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.29	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.47**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	2.31	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.21	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.83	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.58	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.41	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.33	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.32	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.32	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.32	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.27	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.24	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.24	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.24	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.24	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.14	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.09	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.08	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.08	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.08	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.03	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

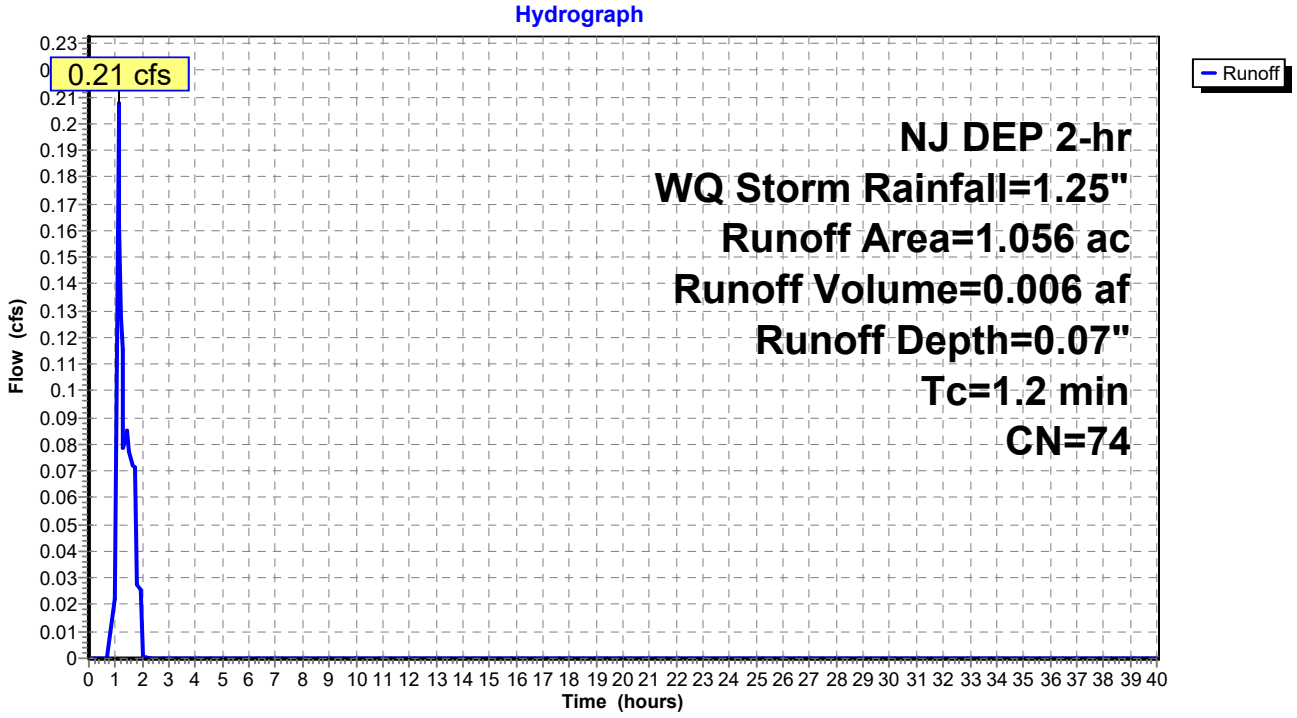
Runoff = 0.21 cfs @ 1.11 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.07	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.20**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.16	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.13	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.12	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.08	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.09	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.09	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.03	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 17AI: PDA-17A (impervious)

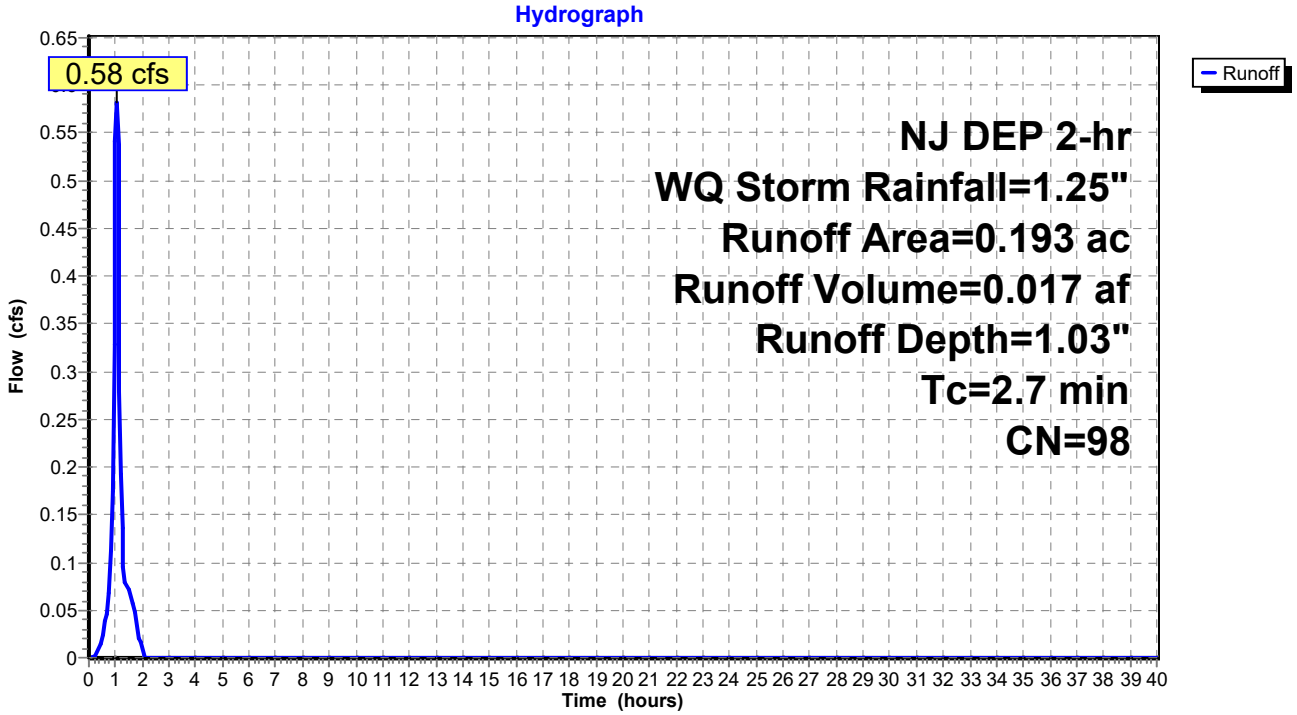
Runoff = 0.58 cfs @ 1.05 hrs, Volume= 0.017 af, Depth= 1.03"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AI: PDA-17A (impervious)



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.01	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.01	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.02	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.03	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.04	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.04	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.05	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.05	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.08	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.11	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.18	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.33	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.54	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**0.58**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.54	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.28	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.19	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.14	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.10	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.08	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.08	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.08	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.07	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.06	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.06	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.06	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.06	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.06	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.03	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.02	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.02	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.02	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.02	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.01	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

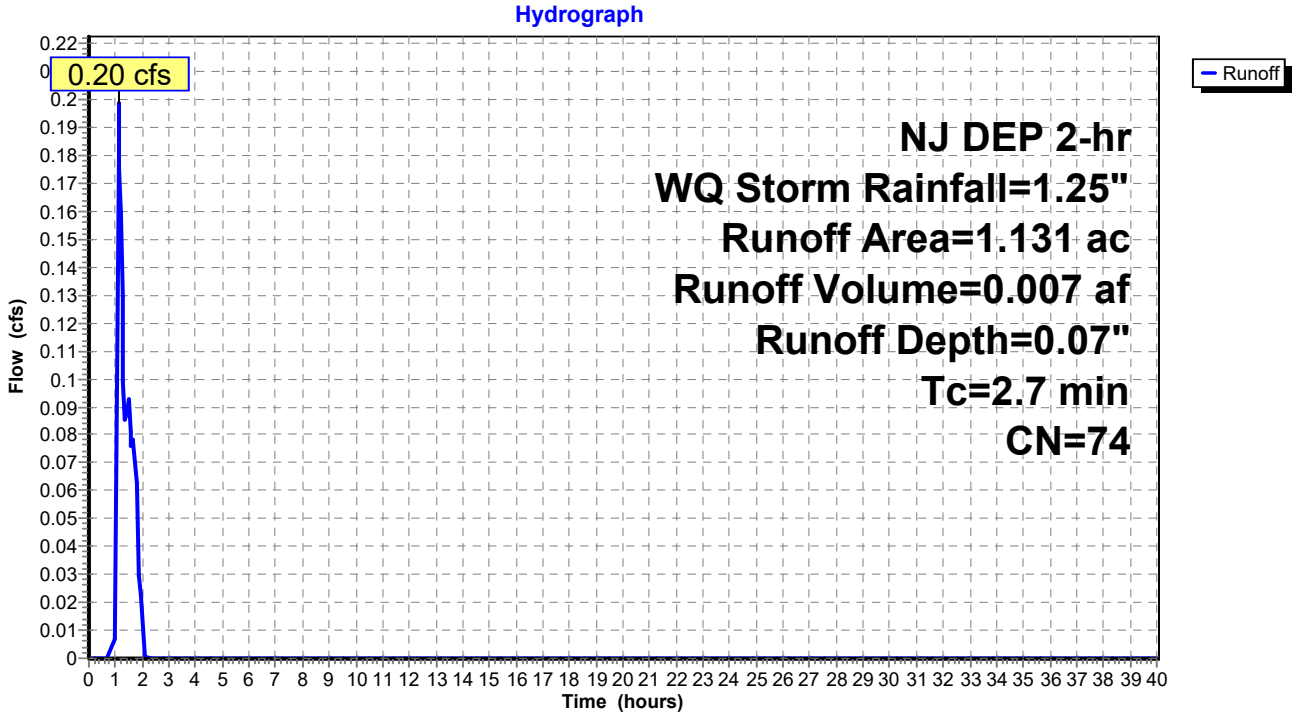
Runoff = 0.20 cfs @ 1.12 hrs, Volume= 0.007 af, Depth= 0.07"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.02	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.18**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.18	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.16	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.13	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.10	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.09	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.09	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.09	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.08	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.08	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.08	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

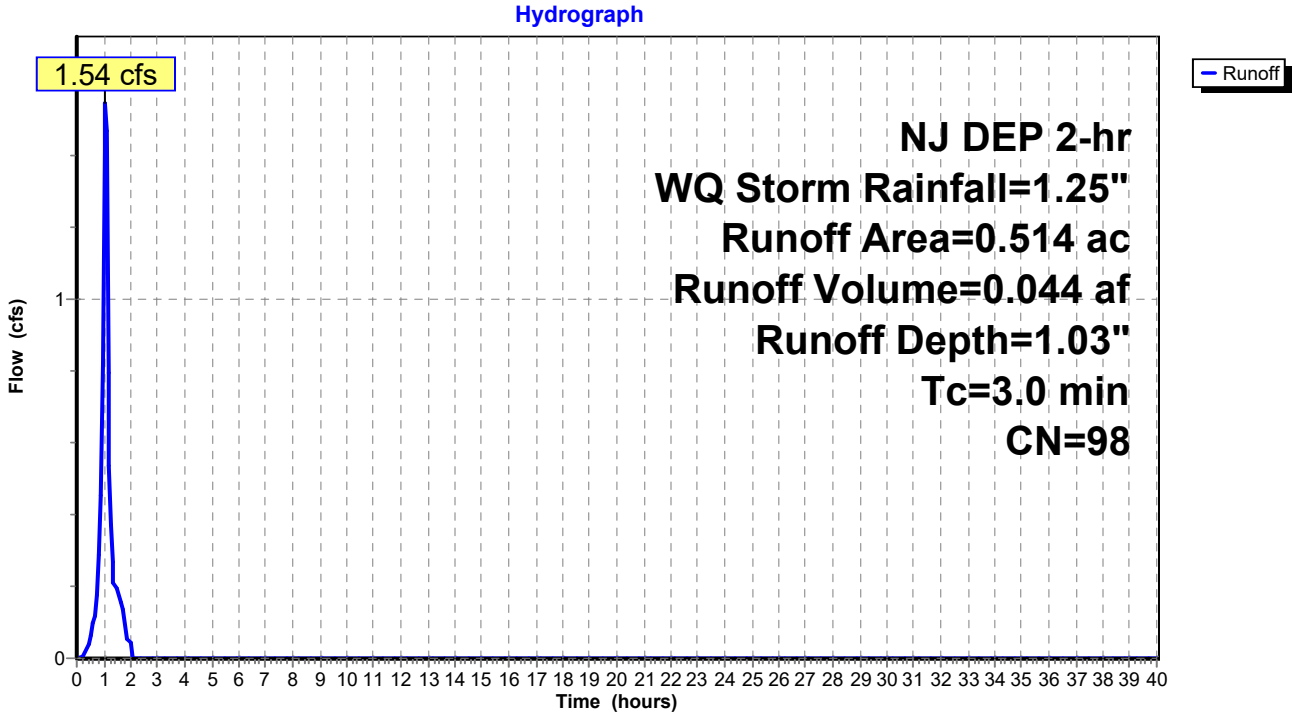
Runoff = 1.54 cfs @ 1.06 hrs, Volume= 0.044 af, Depth= 1.03"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.08	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.11	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.12	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.14	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.29	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.45	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.82	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.41	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.54**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.46	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.79	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.53	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.37	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.27	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.21	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.20	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.20	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.20	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.17	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.15	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.15	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.15	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.15	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.09	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.05	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.05	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.05	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.02	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

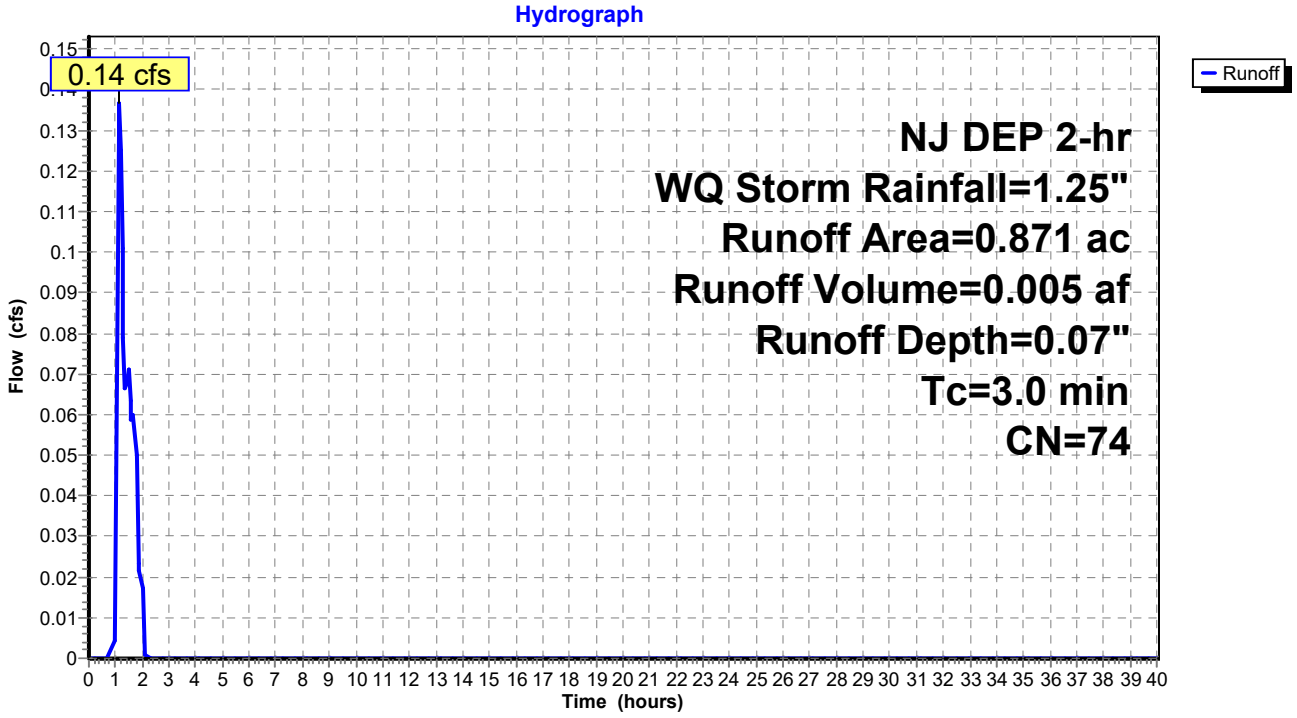
Runoff = 0.14 cfs @ 1.15 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.01	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.13	3.70	1.25	0.07	0.00
1.15	0.97	0.02	**0.14**	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.13	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.10	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.08	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.07	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.07	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.07	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.07	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.06	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.06	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.06	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.04	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.02	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

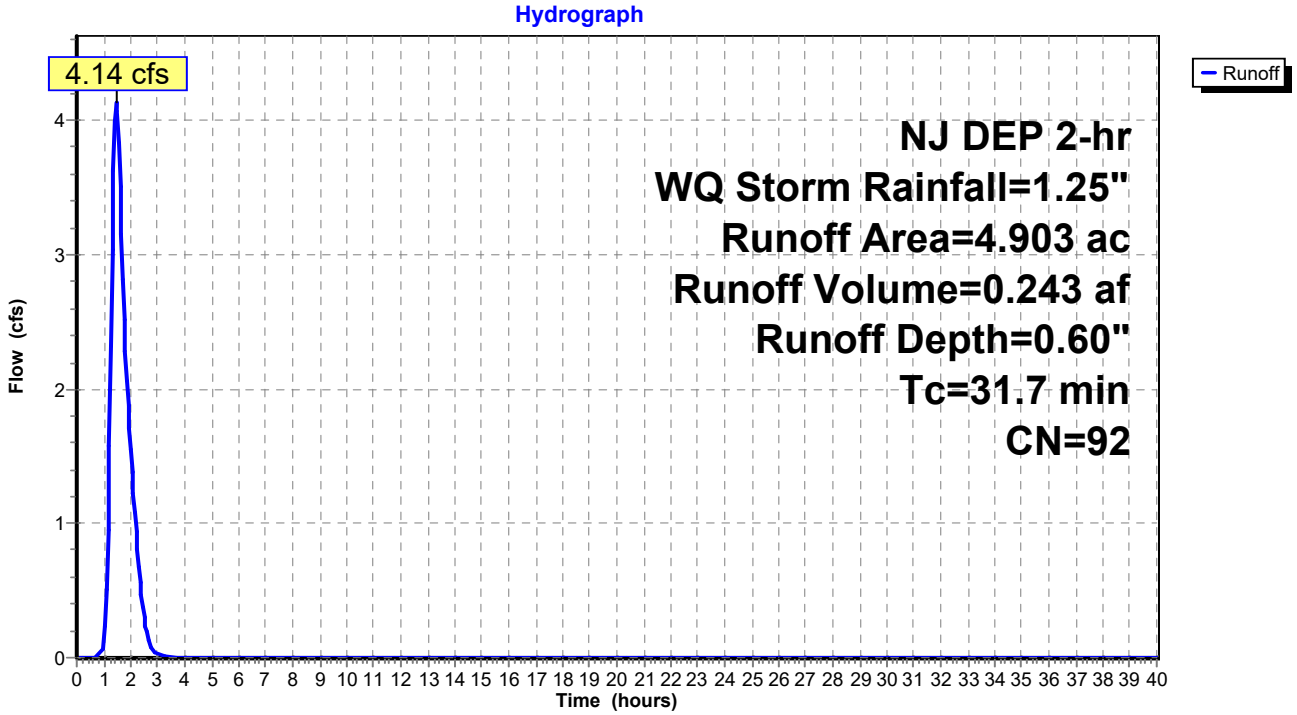
Runoff = 4.14 cfs @ 1.46 hrs, Volume= 0.243 af, Depth= 0.60"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.60	0.19
0.05	0.00	0.00	0.00	2.65	1.25	0.60	0.15
0.10	0.01	0.00	0.00	2.70	1.25	0.60	0.12
0.15	0.01	0.00	0.00	2.75	1.25	0.60	0.09
0.20	0.02	0.00	0.00	2.80	1.25	0.60	0.07
0.25	0.03	0.00	0.00	2.85	1.25	0.60	0.05
0.30	0.04	0.00	0.00	2.90	1.25	0.60	0.04
0.35	0.06	0.00	0.00	2.95	1.25	0.60	0.03
0.40	0.07	0.00	0.00	3.00	1.25	0.60	0.02
0.45	0.09	0.00	0.00	3.05	1.25	0.60	0.02
0.50	0.10	0.00	0.00	3.10	1.25	0.60	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.60	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.60	0.01
0.65	0.16	0.00	0.00	3.25	1.25	0.60	0.01
0.70	0.18	0.00	0.00	3.30	1.25	0.60	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.60	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.60	0.00
0.85	0.28	0.01	0.00	3.45	1.25	0.60	0.00
0.90	0.34	0.03	0.01	3.50	1.25	0.60	0.00
0.95	0.46	0.07	0.03	3.55	1.25	0.60	0.00
1.00	0.63	0.15	0.09	3.60	1.25	0.60	0.00
1.05	0.79	0.25	0.23	3.65	1.25	0.60	0.00
1.10	0.91	0.34	0.51	3.70	1.25	0.60	0.00
1.15	0.97	0.38	0.96	3.75	1.25	0.60	0.00
1.20	1.02	0.41	1.59	3.80	1.25	0.60	0.00
1.25	1.05	0.44	2.32	3.85	1.25	0.60	0.00
1.30	1.07	0.46	3.04	3.90	1.25	0.60	0.00
1.35	1.09	0.47	3.62	3.95	1.25	0.60	0.00
1.40	1.11	0.49	3.99	4.00	1.25	0.60	0.00
1.45	1.13	0.50	**4.13**	4.05	1.25	0.60	0.00
1.50	1.15	0.52	4.07	4.10	1.25	0.60	0.00
1.55	1.17	0.53	3.84	4.15	1.25	0.60	0.00
1.60	1.18	0.54	3.51	4.20	1.25	0.60	0.00
1.65	1.20	0.55	3.15	4.25	1.25	0.60	0.00
1.70	1.21	0.56	2.82	4.30	1.25	0.60	0.00
1.75	1.23	0.58	2.53	4.35	1.25	0.60	0.00
1.80	1.23	0.58	2.28	4.40	1.25	0.60	0.00
1.85	1.24	0.58	2.07	4.45	1.25	0.60	0.00
1.90	1.24	0.59	1.88	4.50	1.25	0.60	0.00
1.95	1.25	0.59	1.71	4.55	1.25	0.60	0.00
2.00	**1.25**	**0.60**	1.55	4.60	1.25	0.60	0.00
2.05	1.25	0.60	1.39	4.65	1.25	0.60	0.00
2.10	1.25	0.60	1.23	4.70	1.25	0.60	0.00
2.15	1.25	0.60	1.08	4.75	1.25	0.60	0.00
2.20	1.25	0.60	0.94	4.80	1.25	0.60	0.00
2.25	1.25	0.60	0.81	4.85	1.25	0.60	0.00
2.30	1.25	0.60	0.68	4.90	1.25	0.60	0.00
2.35	1.25	0.60	0.56	4.95	1.25	0.60	0.00
2.40	1.25	0.60	0.46	5.00	1.25	0.60	0.00
2.45	1.25	0.60	0.38	5.05	1.25	0.60	0.00
2.50	1.25	0.60	0.30	5.10	1.25	0.60	0.00
2.55	1.25	0.60	0.24	5.15	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.60	0.00	7.80	1.25	0.60	0.00
5.25	1.25	0.60	0.00	7.85	1.25	0.60	0.00
5.30	1.25	0.60	0.00	7.90	1.25	0.60	0.00
5.35	1.25	0.60	0.00	7.95	1.25	0.60	0.00
5.40	1.25	0.60	0.00	8.00	1.25	0.60	0.00
5.45	1.25	0.60	0.00	8.05	1.25	0.60	0.00
5.50	1.25	0.60	0.00	8.10	1.25	0.60	0.00
5.55	1.25	0.60	0.00	8.15	1.25	0.60	0.00
5.60	1.25	0.60	0.00	8.20	1.25	0.60	0.00
5.65	1.25	0.60	0.00	8.25	1.25	0.60	0.00
5.70	1.25	0.60	0.00	8.30	1.25	0.60	0.00
5.75	1.25	0.60	0.00	8.35	1.25	0.60	0.00
5.80	1.25	0.60	0.00	8.40	1.25	0.60	0.00
5.85	1.25	0.60	0.00	8.45	1.25	0.60	0.00
5.90	1.25	0.60	0.00	8.50	1.25	0.60	0.00
5.95	1.25	0.60	0.00	8.55	1.25	0.60	0.00
6.00	1.25	0.60	0.00	8.60	1.25	0.60	0.00
6.05	1.25	0.60	0.00	8.65	1.25	0.60	0.00
6.10	1.25	0.60	0.00	8.70	1.25	0.60	0.00
6.15	1.25	0.60	0.00	8.75	1.25	0.60	0.00
6.20	1.25	0.60	0.00	8.80	1.25	0.60	0.00
6.25	1.25	0.60	0.00	8.85	1.25	0.60	0.00
6.30	1.25	0.60	0.00	8.90	1.25	0.60	0.00
6.35	1.25	0.60	0.00	8.95	1.25	0.60	0.00
6.40	1.25	0.60	0.00	9.00	1.25	0.60	0.00
6.45	1.25	0.60	0.00	9.05	1.25	0.60	0.00
6.50	1.25	0.60	0.00	9.10	1.25	0.60	0.00
6.55	1.25	0.60	0.00	9.15	1.25	0.60	0.00
6.60	1.25	0.60	0.00	9.20	1.25	0.60	0.00
6.65	1.25	0.60	0.00	9.25	1.25	0.60	0.00
6.70	1.25	0.60	0.00	9.30	1.25	0.60	0.00
6.75	1.25	0.60	0.00	9.35	1.25	0.60	0.00
6.80	1.25	0.60	0.00	9.40	1.25	0.60	0.00
6.85	1.25	0.60	0.00	9.45	1.25	0.60	0.00
6.90	1.25	0.60	0.00	9.50	1.25	0.60	0.00
6.95	1.25	0.60	0.00	9.55	1.25	0.60	0.00
7.00	1.25	0.60	0.00	9.60	1.25	0.60	0.00
7.05	1.25	0.60	0.00	9.65	1.25	0.60	0.00
7.10	1.25	0.60	0.00	9.70	1.25	0.60	0.00
7.15	1.25	0.60	0.00	9.75	1.25	0.60	0.00
7.20	1.25	0.60	0.00	9.80	1.25	0.60	0.00
7.25	1.25	0.60	0.00	9.85	1.25	0.60	0.00
7.30	1.25	0.60	0.00	9.90	1.25	0.60	0.00
7.35	1.25	0.60	0.00	9.95	1.25	0.60	0.00
7.40	1.25	0.60	0.00	10.00	1.25	0.60	0.00
7.45	1.25	0.60	0.00	10.05	1.25	0.60	0.00
7.50	1.25	0.60	0.00	10.10	1.25	0.60	0.00
7.55	1.25	0.60	0.00	10.15	1.25	0.60	0.00
7.60	1.25	0.60	0.00	10.20	1.25	0.60	0.00
7.65	1.25	0.60	0.00	10.25	1.25	0.60	0.00
7.70	1.25	0.60	0.00	10.30	1.25	0.60	0.00
7.75	1.25	0.60	0.00	10.35	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.60	0.00	13.00	1.25	0.60	0.00
10.45	1.25	0.60	0.00	13.05	1.25	0.60	0.00
10.50	1.25	0.60	0.00	13.10	1.25	0.60	0.00
10.55	1.25	0.60	0.00	13.15	1.25	0.60	0.00
10.60	1.25	0.60	0.00	13.20	1.25	0.60	0.00
10.65	1.25	0.60	0.00	13.25	1.25	0.60	0.00
10.70	1.25	0.60	0.00	13.30	1.25	0.60	0.00
10.75	1.25	0.60	0.00	13.35	1.25	0.60	0.00
10.80	1.25	0.60	0.00	13.40	1.25	0.60	0.00
10.85	1.25	0.60	0.00	13.45	1.25	0.60	0.00
10.90	1.25	0.60	0.00	13.50	1.25	0.60	0.00
10.95	1.25	0.60	0.00	13.55	1.25	0.60	0.00
11.00	1.25	0.60	0.00	13.60	1.25	0.60	0.00
11.05	1.25	0.60	0.00	13.65	1.25	0.60	0.00
11.10	1.25	0.60	0.00	13.70	1.25	0.60	0.00
11.15	1.25	0.60	0.00	13.75	1.25	0.60	0.00
11.20	1.25	0.60	0.00	13.80	1.25	0.60	0.00
11.25	1.25	0.60	0.00	13.85	1.25	0.60	0.00
11.30	1.25	0.60	0.00	13.90	1.25	0.60	0.00
11.35	1.25	0.60	0.00	13.95	1.25	0.60	0.00
11.40	1.25	0.60	0.00	14.00	1.25	0.60	0.00
11.45	1.25	0.60	0.00	14.05	1.25	0.60	0.00
11.50	1.25	0.60	0.00	14.10	1.25	0.60	0.00
11.55	1.25	0.60	0.00	14.15	1.25	0.60	0.00
11.60	1.25	0.60	0.00	14.20	1.25	0.60	0.00
11.65	1.25	0.60	0.00	14.25	1.25	0.60	0.00
11.70	1.25	0.60	0.00	14.30	1.25	0.60	0.00
11.75	1.25	0.60	0.00	14.35	1.25	0.60	0.00
11.80	1.25	0.60	0.00	14.40	1.25	0.60	0.00
11.85	1.25	0.60	0.00	14.45	1.25	0.60	0.00
11.90	1.25	0.60	0.00	14.50	1.25	0.60	0.00
11.95	1.25	0.60	0.00	14.55	1.25	0.60	0.00
12.00	1.25	0.60	0.00	14.60	1.25	0.60	0.00
12.05	1.25	0.60	0.00	14.65	1.25	0.60	0.00
12.10	1.25	0.60	0.00	14.70	1.25	0.60	0.00
12.15	1.25	0.60	0.00	14.75	1.25	0.60	0.00
12.20	1.25	0.60	0.00	14.80	1.25	0.60	0.00
12.25	1.25	0.60	0.00	14.85	1.25	0.60	0.00
12.30	1.25	0.60	0.00	14.90	1.25	0.60	0.00
12.35	1.25	0.60	0.00	14.95	1.25	0.60	0.00
12.40	1.25	0.60	0.00	15.00	1.25	0.60	0.00
12.45	1.25	0.60	0.00	15.05	1.25	0.60	0.00
12.50	1.25	0.60	0.00	15.10	1.25	0.60	0.00
12.55	1.25	0.60	0.00	15.15	1.25	0.60	0.00
12.60	1.25	0.60	0.00	15.20	1.25	0.60	0.00
12.65	1.25	0.60	0.00	15.25	1.25	0.60	0.00
12.70	1.25	0.60	0.00	15.30	1.25	0.60	0.00
12.75	1.25	0.60	0.00	15.35	1.25	0.60	0.00
12.80	1.25	0.60	0.00	15.40	1.25	0.60	0.00
12.85	1.25	0.60	0.00	15.45	1.25	0.60	0.00
12.90	1.25	0.60	0.00	15.50	1.25	0.60	0.00
12.95	1.25	0.60	0.00	15.55	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.60	0.00	18.20	1.25	0.60	0.00
15.65	1.25	0.60	0.00	18.25	1.25	0.60	0.00
15.70	1.25	0.60	0.00	18.30	1.25	0.60	0.00
15.75	1.25	0.60	0.00	18.35	1.25	0.60	0.00
15.80	1.25	0.60	0.00	18.40	1.25	0.60	0.00
15.85	1.25	0.60	0.00	18.45	1.25	0.60	0.00
15.90	1.25	0.60	0.00	18.50	1.25	0.60	0.00
15.95	1.25	0.60	0.00	18.55	1.25	0.60	0.00
16.00	1.25	0.60	0.00	18.60	1.25	0.60	0.00
16.05	1.25	0.60	0.00	18.65	1.25	0.60	0.00
16.10	1.25	0.60	0.00	18.70	1.25	0.60	0.00
16.15	1.25	0.60	0.00	18.75	1.25	0.60	0.00
16.20	1.25	0.60	0.00	18.80	1.25	0.60	0.00
16.25	1.25	0.60	0.00	18.85	1.25	0.60	0.00
16.30	1.25	0.60	0.00	18.90	1.25	0.60	0.00
16.35	1.25	0.60	0.00	18.95	1.25	0.60	0.00
16.40	1.25	0.60	0.00	19.00	1.25	0.60	0.00
16.45	1.25	0.60	0.00	19.05	1.25	0.60	0.00
16.50	1.25	0.60	0.00	19.10	1.25	0.60	0.00
16.55	1.25	0.60	0.00	19.15	1.25	0.60	0.00
16.60	1.25	0.60	0.00	19.20	1.25	0.60	0.00
16.65	1.25	0.60	0.00	19.25	1.25	0.60	0.00
16.70	1.25	0.60	0.00	19.30	1.25	0.60	0.00
16.75	1.25	0.60	0.00	19.35	1.25	0.60	0.00
16.80	1.25	0.60	0.00	19.40	1.25	0.60	0.00
16.85	1.25	0.60	0.00	19.45	1.25	0.60	0.00
16.90	1.25	0.60	0.00	19.50	1.25	0.60	0.00
16.95	1.25	0.60	0.00	19.55	1.25	0.60	0.00
17.00	1.25	0.60	0.00	19.60	1.25	0.60	0.00
17.05	1.25	0.60	0.00	19.65	1.25	0.60	0.00
17.10	1.25	0.60	0.00	19.70	1.25	0.60	0.00
17.15	1.25	0.60	0.00	19.75	1.25	0.60	0.00
17.20	1.25	0.60	0.00	19.80	1.25	0.60	0.00
17.25	1.25	0.60	0.00	19.85	1.25	0.60	0.00
17.30	1.25	0.60	0.00	19.90	1.25	0.60	0.00
17.35	1.25	0.60	0.00	19.95	1.25	0.60	0.00
17.40	1.25	0.60	0.00	20.00	1.25	0.60	0.00
17.45	1.25	0.60	0.00	20.05	1.25	0.60	0.00
17.50	1.25	0.60	0.00	20.10	1.25	0.60	0.00
17.55	1.25	0.60	0.00	20.15	1.25	0.60	0.00
17.60	1.25	0.60	0.00	20.20	1.25	0.60	0.00
17.65	1.25	0.60	0.00	20.25	1.25	0.60	0.00
17.70	1.25	0.60	0.00	20.30	1.25	0.60	0.00
17.75	1.25	0.60	0.00	20.35	1.25	0.60	0.00
17.80	1.25	0.60	0.00	20.40	1.25	0.60	0.00
17.85	1.25	0.60	0.00	20.45	1.25	0.60	0.00
17.90	1.25	0.60	0.00	20.50	1.25	0.60	0.00
17.95	1.25	0.60	0.00	20.55	1.25	0.60	0.00
18.00	1.25	0.60	0.00	20.60	1.25	0.60	0.00
18.05	1.25	0.60	0.00	20.65	1.25	0.60	0.00
18.10	1.25	0.60	0.00	20.70	1.25	0.60	0.00
18.15	1.25	0.60	0.00	20.75	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.60	0.00	23.40	1.25	0.60	0.00
20.85	1.25	0.60	0.00	23.45	1.25	0.60	0.00
20.90	1.25	0.60	0.00	23.50	1.25	0.60	0.00
20.95	1.25	0.60	0.00	23.55	1.25	0.60	0.00
21.00	1.25	0.60	0.00	23.60	1.25	0.60	0.00
21.05	1.25	0.60	0.00	23.65	1.25	0.60	0.00
21.10	1.25	0.60	0.00	23.70	1.25	0.60	0.00
21.15	1.25	0.60	0.00	23.75	1.25	0.60	0.00
21.20	1.25	0.60	0.00	23.80	1.25	0.60	0.00
21.25	1.25	0.60	0.00	23.85	1.25	0.60	0.00
21.30	1.25	0.60	0.00	23.90	1.25	0.60	0.00
21.35	1.25	0.60	0.00	23.95	1.25	0.60	0.00
21.40	1.25	0.60	0.00	24.00	1.25	0.60	0.00
21.45	1.25	0.60	0.00	24.05	1.25	0.60	0.00
21.50	1.25	0.60	0.00	24.10	1.25	0.60	0.00
21.55	1.25	0.60	0.00	24.15	1.25	0.60	0.00
21.60	1.25	0.60	0.00	24.20	1.25	0.60	0.00
21.65	1.25	0.60	0.00	24.25	1.25	0.60	0.00
21.70	1.25	0.60	0.00	24.30	1.25	0.60	0.00
21.75	1.25	0.60	0.00	24.35	1.25	0.60	0.00
21.80	1.25	0.60	0.00	24.40	1.25	0.60	0.00
21.85	1.25	0.60	0.00	24.45	1.25	0.60	0.00
21.90	1.25	0.60	0.00	24.50	1.25	0.60	0.00
21.95	1.25	0.60	0.00	24.55	1.25	0.60	0.00
22.00	1.25	0.60	0.00	24.60	1.25	0.60	0.00
22.05	1.25	0.60	0.00	24.65	1.25	0.60	0.00
22.10	1.25	0.60	0.00	24.70	1.25	0.60	0.00
22.15	1.25	0.60	0.00	24.75	1.25	0.60	0.00
22.20	1.25	0.60	0.00	24.80	1.25	0.60	0.00
22.25	1.25	0.60	0.00	24.85	1.25	0.60	0.00
22.30	1.25	0.60	0.00	24.90	1.25	0.60	0.00
22.35	1.25	0.60	0.00	24.95	1.25	0.60	0.00
22.40	1.25	0.60	0.00	25.00	1.25	0.60	0.00
22.45	1.25	0.60	0.00	25.05	1.25	0.60	0.00
22.50	1.25	0.60	0.00	25.10	1.25	0.60	0.00
22.55	1.25	0.60	0.00	25.15	1.25	0.60	0.00
22.60	1.25	0.60	0.00	25.20	1.25	0.60	0.00
22.65	1.25	0.60	0.00	25.25	1.25	0.60	0.00
22.70	1.25	0.60	0.00	25.30	1.25	0.60	0.00
22.75	1.25	0.60	0.00	25.35	1.25	0.60	0.00
22.80	1.25	0.60	0.00	25.40	1.25	0.60	0.00
22.85	1.25	0.60	0.00	25.45	1.25	0.60	0.00
22.90	1.25	0.60	0.00	25.50	1.25	0.60	0.00
22.95	1.25	0.60	0.00	25.55	1.25	0.60	0.00
23.00	1.25	0.60	0.00	25.60	1.25	0.60	0.00
23.05	1.25	0.60	0.00	25.65	1.25	0.60	0.00
23.10	1.25	0.60	0.00	25.70	1.25	0.60	0.00
23.15	1.25	0.60	0.00	25.75	1.25	0.60	0.00
23.20	1.25	0.60	0.00	25.80	1.25	0.60	0.00
23.25	1.25	0.60	0.00	25.85	1.25	0.60	0.00
23.30	1.25	0.60	0.00	25.90	1.25	0.60	0.00
23.35	1.25	0.60	0.00	25.95	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.60	0.00	28.60	1.25	0.60	0.00
26.05	1.25	0.60	0.00	28.65	1.25	0.60	0.00
26.10	1.25	0.60	0.00	28.70	1.25	0.60	0.00
26.15	1.25	0.60	0.00	28.75	1.25	0.60	0.00
26.20	1.25	0.60	0.00	28.80	1.25	0.60	0.00
26.25	1.25	0.60	0.00	28.85	1.25	0.60	0.00
26.30	1.25	0.60	0.00	28.90	1.25	0.60	0.00
26.35	1.25	0.60	0.00	28.95	1.25	0.60	0.00
26.40	1.25	0.60	0.00	29.00	1.25	0.60	0.00
26.45	1.25	0.60	0.00	29.05	1.25	0.60	0.00
26.50	1.25	0.60	0.00	29.10	1.25	0.60	0.00
26.55	1.25	0.60	0.00	29.15	1.25	0.60	0.00
26.60	1.25	0.60	0.00	29.20	1.25	0.60	0.00
26.65	1.25	0.60	0.00	29.25	1.25	0.60	0.00
26.70	1.25	0.60	0.00	29.30	1.25	0.60	0.00
26.75	1.25	0.60	0.00	29.35	1.25	0.60	0.00
26.80	1.25	0.60	0.00	29.40	1.25	0.60	0.00
26.85	1.25	0.60	0.00	29.45	1.25	0.60	0.00
26.90	1.25	0.60	0.00	29.50	1.25	0.60	0.00
26.95	1.25	0.60	0.00	29.55	1.25	0.60	0.00
27.00	1.25	0.60	0.00	29.60	1.25	0.60	0.00
27.05	1.25	0.60	0.00	29.65	1.25	0.60	0.00
27.10	1.25	0.60	0.00	29.70	1.25	0.60	0.00
27.15	1.25	0.60	0.00	29.75	1.25	0.60	0.00
27.20	1.25	0.60	0.00	29.80	1.25	0.60	0.00
27.25	1.25	0.60	0.00	29.85	1.25	0.60	0.00
27.30	1.25	0.60	0.00	29.90	1.25	0.60	0.00
27.35	1.25	0.60	0.00	29.95	1.25	0.60	0.00
27.40	1.25	0.60	0.00	30.00	1.25	0.60	0.00
27.45	1.25	0.60	0.00	30.05	1.25	0.60	0.00
27.50	1.25	0.60	0.00	30.10	1.25	0.60	0.00
27.55	1.25	0.60	0.00	30.15	1.25	0.60	0.00
27.60	1.25	0.60	0.00	30.20	1.25	0.60	0.00
27.65	1.25	0.60	0.00	30.25	1.25	0.60	0.00
27.70	1.25	0.60	0.00	30.30	1.25	0.60	0.00
27.75	1.25	0.60	0.00	30.35	1.25	0.60	0.00
27.80	1.25	0.60	0.00	30.40	1.25	0.60	0.00
27.85	1.25	0.60	0.00	30.45	1.25	0.60	0.00
27.90	1.25	0.60	0.00	30.50	1.25	0.60	0.00
27.95	1.25	0.60	0.00	30.55	1.25	0.60	0.00
28.00	1.25	0.60	0.00	30.60	1.25	0.60	0.00
28.05	1.25	0.60	0.00	30.65	1.25	0.60	0.00
28.10	1.25	0.60	0.00	30.70	1.25	0.60	0.00
28.15	1.25	0.60	0.00	30.75	1.25	0.60	0.00
28.20	1.25	0.60	0.00	30.80	1.25	0.60	0.00
28.25	1.25	0.60	0.00	30.85	1.25	0.60	0.00
28.30	1.25	0.60	0.00	30.90	1.25	0.60	0.00
28.35	1.25	0.60	0.00	30.95	1.25	0.60	0.00
28.40	1.25	0.60	0.00	31.00	1.25	0.60	0.00
28.45	1.25	0.60	0.00	31.05	1.25	0.60	0.00
28.50	1.25	0.60	0.00	31.10	1.25	0.60	0.00
28.55	1.25	0.60	0.00	31.15	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.60	0.00	33.80	1.25	0.60	0.00
31.25	1.25	0.60	0.00	33.85	1.25	0.60	0.00
31.30	1.25	0.60	0.00	33.90	1.25	0.60	0.00
31.35	1.25	0.60	0.00	33.95	1.25	0.60	0.00
31.40	1.25	0.60	0.00	34.00	1.25	0.60	0.00
31.45	1.25	0.60	0.00	34.05	1.25	0.60	0.00
31.50	1.25	0.60	0.00	34.10	1.25	0.60	0.00
31.55	1.25	0.60	0.00	34.15	1.25	0.60	0.00
31.60	1.25	0.60	0.00	34.20	1.25	0.60	0.00
31.65	1.25	0.60	0.00	34.25	1.25	0.60	0.00
31.70	1.25	0.60	0.00	34.30	1.25	0.60	0.00
31.75	1.25	0.60	0.00	34.35	1.25	0.60	0.00
31.80	1.25	0.60	0.00	34.40	1.25	0.60	0.00
31.85	1.25	0.60	0.00	34.45	1.25	0.60	0.00
31.90	1.25	0.60	0.00	34.50	1.25	0.60	0.00
31.95	1.25	0.60	0.00	34.55	1.25	0.60	0.00
32.00	1.25	0.60	0.00	34.60	1.25	0.60	0.00
32.05	1.25	0.60	0.00	34.65	1.25	0.60	0.00
32.10	1.25	0.60	0.00	34.70	1.25	0.60	0.00
32.15	1.25	0.60	0.00	34.75	1.25	0.60	0.00
32.20	1.25	0.60	0.00	34.80	1.25	0.60	0.00
32.25	1.25	0.60	0.00	34.85	1.25	0.60	0.00
32.30	1.25	0.60	0.00	34.90	1.25	0.60	0.00
32.35	1.25	0.60	0.00	34.95	1.25	0.60	0.00
32.40	1.25	0.60	0.00	35.00	1.25	0.60	0.00
32.45	1.25	0.60	0.00	35.05	1.25	0.60	0.00
32.50	1.25	0.60	0.00	35.10	1.25	0.60	0.00
32.55	1.25	0.60	0.00	35.15	1.25	0.60	0.00
32.60	1.25	0.60	0.00	35.20	1.25	0.60	0.00
32.65	1.25	0.60	0.00	35.25	1.25	0.60	0.00
32.70	1.25	0.60	0.00	35.30	1.25	0.60	0.00
32.75	1.25	0.60	0.00	35.35	1.25	0.60	0.00
32.80	1.25	0.60	0.00	35.40	1.25	0.60	0.00
32.85	1.25	0.60	0.00	35.45	1.25	0.60	0.00
32.90	1.25	0.60	0.00	35.50	1.25	0.60	0.00
32.95	1.25	0.60	0.00	35.55	1.25	0.60	0.00
33.00	1.25	0.60	0.00	35.60	1.25	0.60	0.00
33.05	1.25	0.60	0.00	35.65	1.25	0.60	0.00
33.10	1.25	0.60	0.00	35.70	1.25	0.60	0.00
33.15	1.25	0.60	0.00	35.75	1.25	0.60	0.00
33.20	1.25	0.60	0.00	35.80	1.25	0.60	0.00
33.25	1.25	0.60	0.00	35.85	1.25	0.60	0.00
33.30	1.25	0.60	0.00	35.90	1.25	0.60	0.00
33.35	1.25	0.60	0.00	35.95	1.25	0.60	0.00
33.40	1.25	0.60	0.00	36.00	1.25	0.60	0.00
33.45	1.25	0.60	0.00	36.05	1.25	0.60	0.00
33.50	1.25	0.60	0.00	36.10	1.25	0.60	0.00
33.55	1.25	0.60	0.00	36.15	1.25	0.60	0.00
33.60	1.25	0.60	0.00	36.20	1.25	0.60	0.00
33.65	1.25	0.60	0.00	36.25	1.25	0.60	0.00
33.70	1.25	0.60	0.00	36.30	1.25	0.60	0.00
33.75	1.25	0.60	0.00	36.35	1.25	0.60	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.60	0.00
36.45	1.25	0.60	0.00
36.50	1.25	0.60	0.00
36.55	1.25	0.60	0.00
36.60	1.25	0.60	0.00
36.65	1.25	0.60	0.00
36.70	1.25	0.60	0.00
36.75	1.25	0.60	0.00
36.80	1.25	0.60	0.00
36.85	1.25	0.60	0.00
36.90	1.25	0.60	0.00
36.95	1.25	0.60	0.00
37.00	1.25	0.60	0.00
37.05	1.25	0.60	0.00
37.10	1.25	0.60	0.00
37.15	1.25	0.60	0.00
37.20	1.25	0.60	0.00
37.25	1.25	0.60	0.00
37.30	1.25	0.60	0.00
37.35	1.25	0.60	0.00
37.40	1.25	0.60	0.00
37.45	1.25	0.60	0.00
37.50	1.25	0.60	0.00
37.55	1.25	0.60	0.00
37.60	1.25	0.60	0.00
37.65	1.25	0.60	0.00
37.70	1.25	0.60	0.00
37.75	1.25	0.60	0.00
37.80	1.25	0.60	0.00
37.85	1.25	0.60	0.00
37.90	1.25	0.60	0.00
37.95	1.25	0.60	0.00
38.00	1.25	0.60	0.00
38.05	1.25	0.60	0.00
38.10	1.25	0.60	0.00
38.15	1.25	0.60	0.00
38.20	1.25	0.60	0.00
38.25	1.25	0.60	0.00
38.30	1.25	0.60	0.00
38.35	1.25	0.60	0.00
38.40	1.25	0.60	0.00
38.45	1.25	0.60	0.00
38.50	1.25	0.60	0.00
38.55	1.25	0.60	0.00
38.60	1.25	0.60	0.00
38.65	1.25	0.60	0.00
38.70	1.25	0.60	0.00
38.75	1.25	0.60	0.00
38.80	1.25	0.60	0.00
38.85	1.25	0.60	0.00
38.90	1.25	0.60	0.00
38.95	1.25	0.60	0.00
39.00	1.25	0.60	0.00
39.05	1.25	0.60	0.00
39.10	1.25	0.60	0.00
39.15	1.25	0.60	0.00
39.20	1.25	0.60	0.00
39.25	1.25	0.60	0.00
39.30	1.25	0.60	0.00
39.35	1.25	0.60	0.00
39.40	1.25	0.60	0.00
39.45	1.25	0.60	0.00
39.50	1.25	0.60	0.00
39.55	1.25	0.60	0.00
39.60	1.25	0.60	0.00
39.65	1.25	0.60	0.00
39.70	1.25	0.60	0.00
39.75	1.25	0.60	0.00
39.80	1.25	0.60	0.00
39.85	1.25	0.60	0.00
39.90	1.25	0.60	0.00
39.95	1.25	0.60	0.00
40.00	1.25	0.60	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

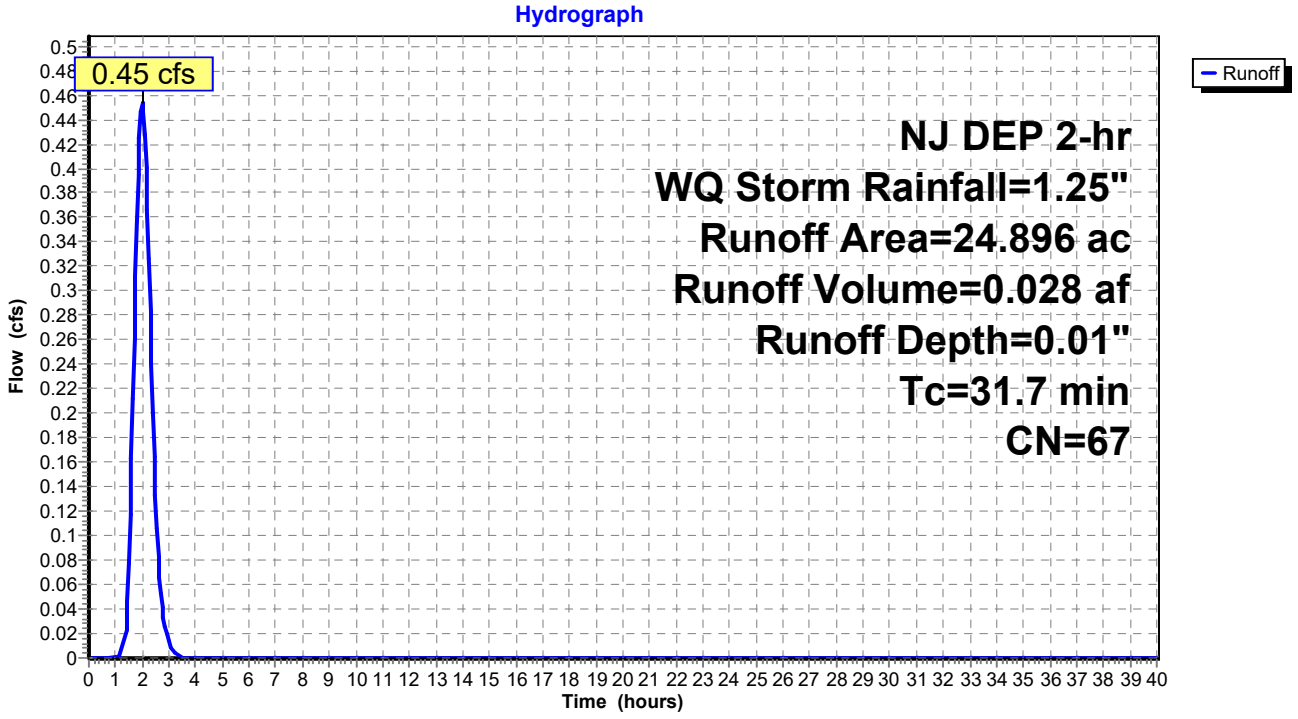
Runoff = 0.45 cfs @ 2.00 hrs, Volume= 0.028 af, Depth= 0.01"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.08
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.07
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.05
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.03
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.02
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.01
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.01
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.01	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.02	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.05	4.05	1.25	0.01	0.00
1.50	1.15	0.01	0.08	4.10	1.25	0.01	0.00
1.55	1.17	0.01	0.12	4.15	1.25	0.01	0.00
1.60	1.18	0.01	0.16	4.20	1.25	0.01	0.00
1.65	1.20	0.01	0.21	4.25	1.25	0.01	0.00
1.70	1.21	0.01	0.26	4.30	1.25	0.01	0.00
1.75	1.23	0.01	0.31	4.35	1.25	0.01	0.00
1.80	1.23	0.01	0.36	4.40	1.25	0.01	0.00
1.85	1.24	0.01	0.40	4.45	1.25	0.01	0.00
1.90	1.24	0.01	0.43	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.45	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	**0.45**	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.45	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.43	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.40	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.37	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.33	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.28	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.24	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.20	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.16	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.13	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.11	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

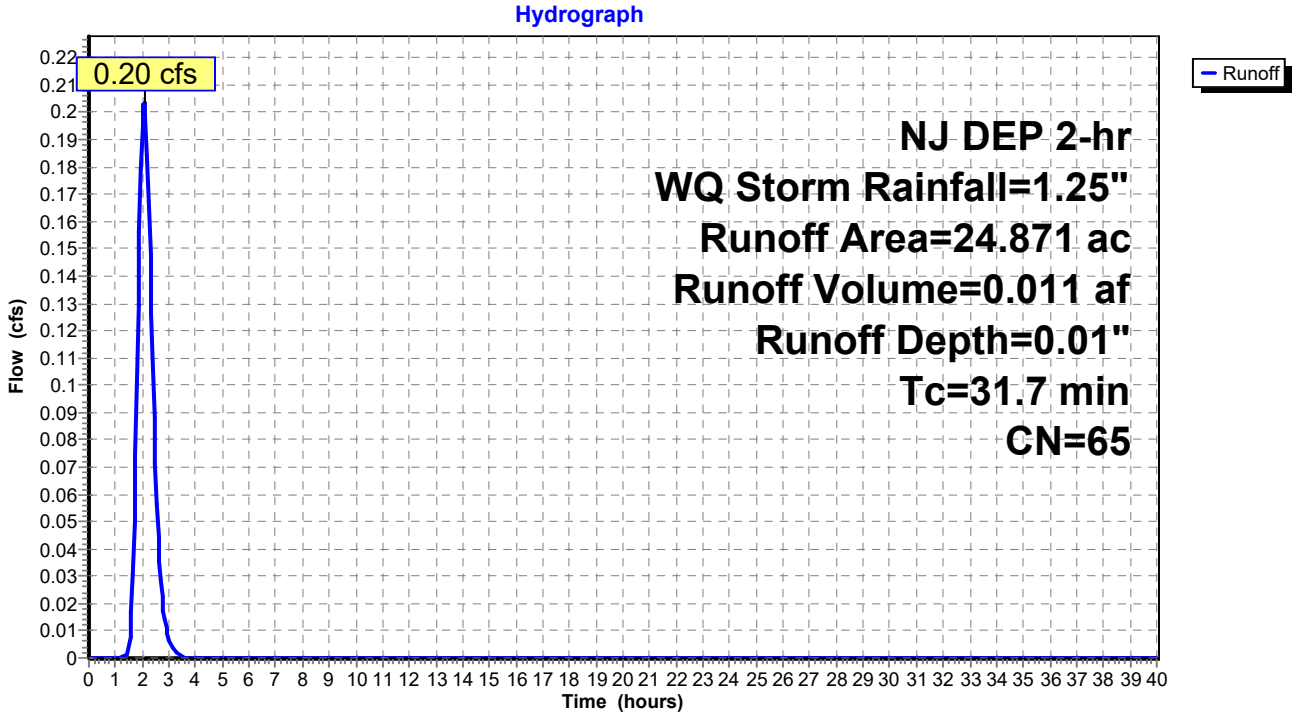
Runoff = 0.20 cfs @ 2.07 hrs, Volume= 0.011 af, Depth= 0.01"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.04
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.04
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.03
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.02
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.02
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.01
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.01
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.01
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.01	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.01	0.00
1.55	1.17	0.00	0.01	4.15	1.25	0.01	0.00
1.60	1.18	0.00	0.02	4.20	1.25	0.01	0.00
1.65	1.20	0.00	0.03	4.25	1.25	0.01	0.00
1.70	1.21	0.00	0.05	4.30	1.25	0.01	0.00
1.75	1.23	0.00	0.07	4.35	1.25	0.01	0.00
1.80	1.23	0.00	0.10	4.40	1.25	0.01	0.00
1.85	1.24	0.00	0.13	4.45	1.25	0.01	0.00
1.90	1.24	0.00	0.16	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.18	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	0.20	4.60	1.25	0.01	0.00
2.05	1.25	0.01	**0.20**	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.20	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.20	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.18	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.17	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.15	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.13	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.11	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.09	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.07	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.06	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 0.02" for WQ Storm event
Inflow = 0.17 cfs @ 1.12 hrs, Volume= 0.005 af
Outflow = 0.00 cfs @ 2.10 hrs, Volume= 0.000 af, Atten= 100%, Lag= 59.0 min
Primary = 0.00 cfs @ 2.10 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.02' @ 2.10 hrs Surf.Area= 10,209 sf Storage= 238 cf

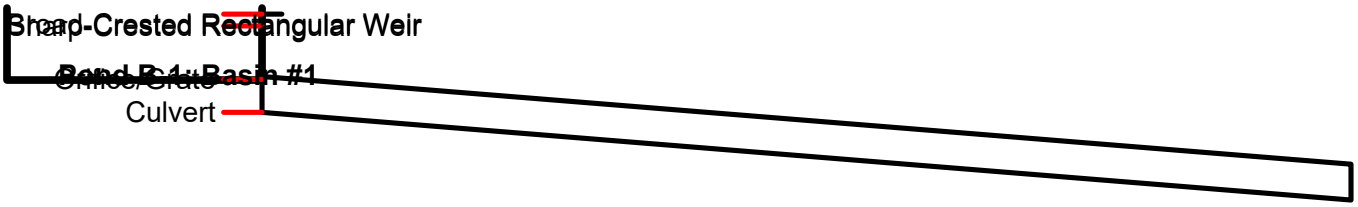
Plug-Flow detention time= 1,138.5 min calculated for 0.000 af (3% of inflow)
Center-of-Mass det. time= 1,119.4 min (1,203.7 - 84.4)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

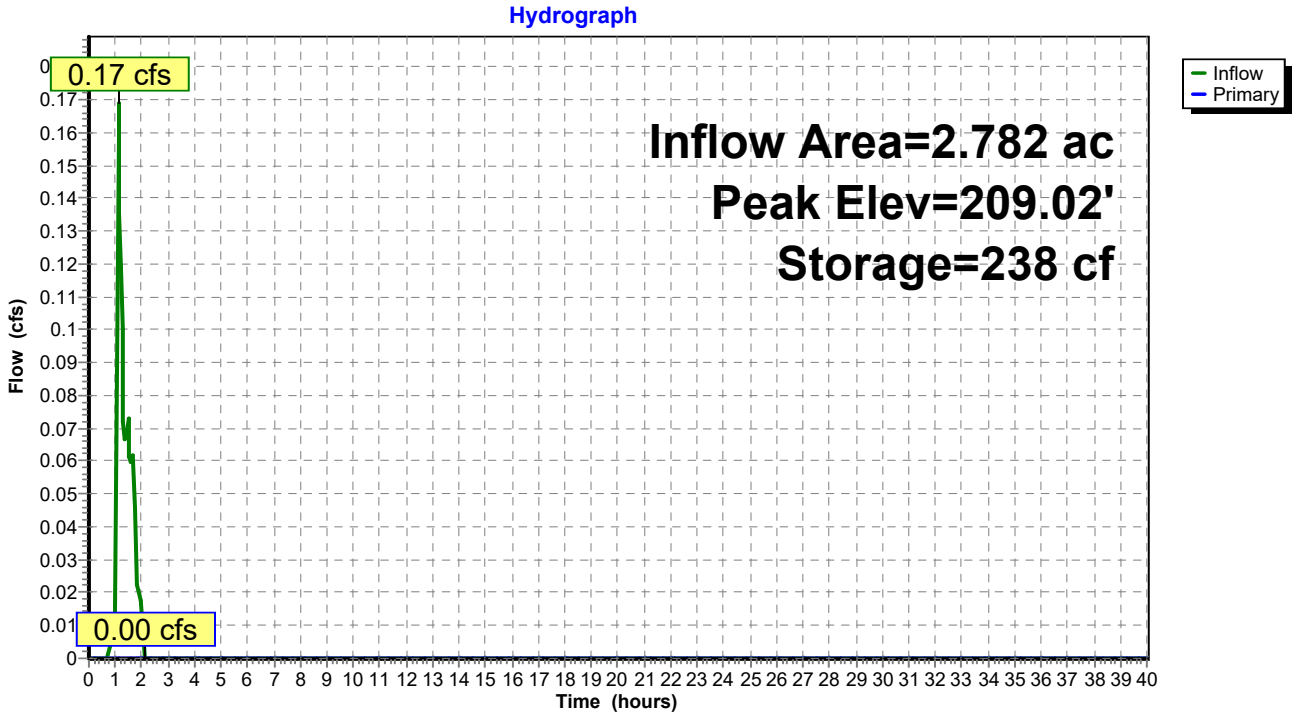
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.10 hrs HW=209.02' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.76 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.20 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	**0.16**	19	209.00	0.00
1.20	0.12	69	209.01	0.00
1.30	0.07	104	209.01	0.00
1.40	0.07	129	209.01	0.00
1.50	0.07	154	209.02	0.00
1.60	0.06	177	209.02	0.00
1.70	0.06	199	209.02	0.00
1.80	0.03	218	209.02	0.00
1.90	0.02	227	209.02	0.00
2.00	0.02	235	209.02	0.00
2.10	0.00	**238**	**209.02**	**0.00**
2.20	0.00	238	209.02	0.00
2.30	0.00	238	209.02	0.00
2.40	0.00	238	209.02	0.00
2.50	0.00	238	209.02	0.00
2.60	0.00	238	209.02	0.00
2.70	0.00	238	209.02	0.00
2.80	0.00	238	209.02	0.00
2.90	0.00	238	209.02	0.00
3.00	0.00	237	209.02	0.00
3.10	0.00	237	209.02	0.00
3.20	0.00	237	209.02	0.00
3.30	0.00	237	209.02	0.00
3.40	0.00	237	209.02	0.00
3.50	0.00	237	209.02	0.00
3.60	0.00	237	209.02	0.00
3.70	0.00	237	209.02	0.00
3.80	0.00	237	209.02	0.00
3.90	0.00	237	209.02	0.00
4.00	0.00	237	209.02	0.00
4.10	0.00	237	209.02	0.00
4.20	0.00	237	209.02	0.00
4.30	0.00	237	209.02	0.00
4.40	0.00	237	209.02	0.00
4.50	0.00	237	209.02	0.00
4.60	0.00	237	209.02	0.00
4.70	0.00	237	209.02	0.00
4.80	0.00	237	209.02	0.00
4.90	0.00	237	209.02	0.00
5.00	0.00	237	209.02	0.00
5.10	0.00	237	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	237	209.02	0.00
5.30	0.00	237	209.02	0.00
5.40	0.00	237	209.02	0.00
5.50	0.00	237	209.02	0.00
5.60	0.00	237	209.02	0.00
5.70	0.00	237	209.02	0.00
5.80	0.00	237	209.02	0.00
5.90	0.00	237	209.02	0.00
6.00	0.00	237	209.02	0.00
6.10	0.00	237	209.02	0.00
6.20	0.00	237	209.02	0.00
6.30	0.00	237	209.02	0.00
6.40	0.00	237	209.02	0.00
6.50	0.00	237	209.02	0.00
6.60	0.00	237	209.02	0.00
6.70	0.00	237	209.02	0.00
6.80	0.00	237	209.02	0.00
6.90	0.00	237	209.02	0.00
7.00	0.00	237	209.02	0.00
7.10	0.00	237	209.02	0.00
7.20	0.00	236	209.02	0.00
7.30	0.00	236	209.02	0.00
7.40	0.00	236	209.02	0.00
7.50	0.00	236	209.02	0.00
7.60	0.00	236	209.02	0.00
7.70	0.00	236	209.02	0.00
7.80	0.00	236	209.02	0.00
7.90	0.00	236	209.02	0.00
8.00	0.00	236	209.02	0.00
8.10	0.00	236	209.02	0.00
8.20	0.00	236	209.02	0.00
8.30	0.00	236	209.02	0.00
8.40	0.00	236	209.02	0.00
8.50	0.00	236	209.02	0.00
8.60	0.00	236	209.02	0.00
8.70	0.00	236	209.02	0.00
8.80	0.00	236	209.02	0.00
8.90	0.00	236	209.02	0.00
9.00	0.00	236	209.02	0.00
9.10	0.00	236	209.02	0.00
9.20	0.00	236	209.02	0.00
9.30	0.00	236	209.02	0.00
9.40	0.00	236	209.02	0.00
9.50	0.00	236	209.02	0.00
9.60	0.00	236	209.02	0.00
9.70	0.00	236	209.02	0.00
9.80	0.00	236	209.02	0.00
9.90	0.00	236	209.02	0.00
10.00	0.00	236	209.02	0.00
10.10	0.00	236	209.02	0.00
10.20	0.00	236	209.02	0.00
10.30	0.00	236	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	236	209.02	0.00
10.50	0.00	236	209.02	0.00
10.60	0.00	236	209.02	0.00
10.70	0.00	236	209.02	0.00
10.80	0.00	236	209.02	0.00
10.90	0.00	236	209.02	0.00
11.00	0.00	236	209.02	0.00
11.10	0.00	236	209.02	0.00
11.20	0.00	236	209.02	0.00
11.30	0.00	236	209.02	0.00
11.40	0.00	236	209.02	0.00
11.50	0.00	235	209.02	0.00
11.60	0.00	235	209.02	0.00
11.70	0.00	235	209.02	0.00
11.80	0.00	235	209.02	0.00
11.90	0.00	235	209.02	0.00
12.00	0.00	235	209.02	0.00
12.10	0.00	235	209.02	0.00
12.20	0.00	235	209.02	0.00
12.30	0.00	235	209.02	0.00
12.40	0.00	235	209.02	0.00
12.50	0.00	235	209.02	0.00
12.60	0.00	235	209.02	0.00
12.70	0.00	235	209.02	0.00
12.80	0.00	235	209.02	0.00
12.90	0.00	235	209.02	0.00
13.00	0.00	235	209.02	0.00
13.10	0.00	235	209.02	0.00
13.20	0.00	235	209.02	0.00
13.30	0.00	235	209.02	0.00
13.40	0.00	235	209.02	0.00
13.50	0.00	235	209.02	0.00
13.60	0.00	235	209.02	0.00
13.70	0.00	235	209.02	0.00
13.80	0.00	235	209.02	0.00
13.90	0.00	235	209.02	0.00
14.00	0.00	235	209.02	0.00
14.10	0.00	235	209.02	0.00
14.20	0.00	235	209.02	0.00
14.30	0.00	235	209.02	0.00
14.40	0.00	235	209.02	0.00
14.50	0.00	235	209.02	0.00
14.60	0.00	235	209.02	0.00
14.70	0.00	235	209.02	0.00
14.80	0.00	235	209.02	0.00
14.90	0.00	235	209.02	0.00
15.00	0.00	235	209.02	0.00
15.10	0.00	235	209.02	0.00
15.20	0.00	235	209.02	0.00
15.30	0.00	235	209.02	0.00
15.40	0.00	235	209.02	0.00
15.50	0.00	235	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	235	209.02	0.00
15.70	0.00	235	209.02	0.00
15.80	0.00	235	209.02	0.00
15.90	0.00	235	209.02	0.00
16.00	0.00	234	209.02	0.00
16.10	0.00	234	209.02	0.00
16.20	0.00	234	209.02	0.00
16.30	0.00	234	209.02	0.00
16.40	0.00	234	209.02	0.00
16.50	0.00	234	209.02	0.00
16.60	0.00	234	209.02	0.00
16.70	0.00	234	209.02	0.00
16.80	0.00	234	209.02	0.00
16.90	0.00	234	209.02	0.00
17.00	0.00	234	209.02	0.00
17.10	0.00	234	209.02	0.00
17.20	0.00	234	209.02	0.00
17.30	0.00	234	209.02	0.00
17.40	0.00	234	209.02	0.00
17.50	0.00	234	209.02	0.00
17.60	0.00	234	209.02	0.00
17.70	0.00	234	209.02	0.00
17.80	0.00	234	209.02	0.00
17.90	0.00	234	209.02	0.00
18.00	0.00	234	209.02	0.00
18.10	0.00	234	209.02	0.00
18.20	0.00	234	209.02	0.00
18.30	0.00	234	209.02	0.00
18.40	0.00	234	209.02	0.00
18.50	0.00	234	209.02	0.00
18.60	0.00	234	209.02	0.00
18.70	0.00	234	209.02	0.00
18.80	0.00	234	209.02	0.00
18.90	0.00	234	209.02	0.00
19.00	0.00	234	209.02	0.00
19.10	0.00	234	209.02	0.00
19.20	0.00	234	209.02	0.00
19.30	0.00	234	209.02	0.00
19.40	0.00	234	209.02	0.00
19.50	0.00	234	209.02	0.00
19.60	0.00	234	209.02	0.00
19.70	0.00	234	209.02	0.00
19.80	0.00	234	209.02	0.00
19.90	0.00	234	209.02	0.00
20.00	0.00	234	209.02	0.00
20.10	0.00	234	209.02	0.00
20.20	0.00	234	209.02	0.00
20.30	0.00	234	209.02	0.00
20.40	0.00	234	209.02	0.00
20.50	0.00	234	209.02	0.00
20.60	0.00	233	209.02	0.00
20.70	0.00	233	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	233	209.02	0.00
20.90	0.00	233	209.02	0.00
21.00	0.00	233	209.02	0.00
21.10	0.00	233	209.02	0.00
21.20	0.00	233	209.02	0.00
21.30	0.00	233	209.02	0.00
21.40	0.00	233	209.02	0.00
21.50	0.00	233	209.02	0.00
21.60	0.00	233	209.02	0.00
21.70	0.00	233	209.02	0.00
21.80	0.00	233	209.02	0.00
21.90	0.00	233	209.02	0.00
22.00	0.00	233	209.02	0.00
22.10	0.00	233	209.02	0.00
22.20	0.00	233	209.02	0.00
22.30	0.00	233	209.02	0.00
22.40	0.00	233	209.02	0.00
22.50	0.00	233	209.02	0.00
22.60	0.00	233	209.02	0.00
22.70	0.00	233	209.02	0.00
22.80	0.00	233	209.02	0.00
22.90	0.00	233	209.02	0.00
23.00	0.00	233	209.02	0.00
23.10	0.00	233	209.02	0.00
23.20	0.00	233	209.02	0.00
23.30	0.00	233	209.02	0.00
23.40	0.00	233	209.02	0.00
23.50	0.00	233	209.02	0.00
23.60	0.00	233	209.02	0.00
23.70	0.00	233	209.02	0.00
23.80	0.00	233	209.02	0.00
23.90	0.00	233	209.02	0.00
24.00	0.00	233	209.02	0.00
24.10	0.00	233	209.02	0.00
24.20	0.00	233	209.02	0.00
24.30	0.00	233	209.02	0.00
24.40	0.00	233	209.02	0.00
24.50	0.00	233	209.02	0.00
24.60	0.00	233	209.02	0.00
24.70	0.00	233	209.02	0.00
24.80	0.00	233	209.02	0.00
24.90	0.00	233	209.02	0.00
25.00	0.00	233	209.02	0.00
25.10	0.00	233	209.02	0.00
25.20	0.00	233	209.02	0.00
25.30	0.00	233	209.02	0.00
25.40	0.00	232	209.02	0.00
25.50	0.00	232	209.02	0.00
25.60	0.00	232	209.02	0.00
25.70	0.00	232	209.02	0.00
25.80	0.00	232	209.02	0.00
25.90	0.00	232	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	232	209.02	0.00
26.10	0.00	232	209.02	0.00
26.20	0.00	232	209.02	0.00
26.30	0.00	232	209.02	0.00
26.40	0.00	232	209.02	0.00
26.50	0.00	232	209.02	0.00
26.60	0.00	232	209.02	0.00
26.70	0.00	232	209.02	0.00
26.80	0.00	232	209.02	0.00
26.90	0.00	232	209.02	0.00
27.00	0.00	232	209.02	0.00
27.10	0.00	232	209.02	0.00
27.20	0.00	232	209.02	0.00
27.30	0.00	232	209.02	0.00
27.40	0.00	232	209.02	0.00
27.50	0.00	232	209.02	0.00
27.60	0.00	232	209.02	0.00
27.70	0.00	232	209.02	0.00
27.80	0.00	232	209.02	0.00
27.90	0.00	232	209.02	0.00
28.00	0.00	232	209.02	0.00
28.10	0.00	232	209.02	0.00
28.20	0.00	232	209.02	0.00
28.30	0.00	232	209.02	0.00
28.40	0.00	232	209.02	0.00
28.50	0.00	232	209.02	0.00
28.60	0.00	232	209.02	0.00
28.70	0.00	232	209.02	0.00
28.80	0.00	232	209.02	0.00
28.90	0.00	232	209.02	0.00
29.00	0.00	232	209.02	0.00
29.10	0.00	232	209.02	0.00
29.20	0.00	232	209.02	0.00
29.30	0.00	232	209.02	0.00
29.40	0.00	232	209.02	0.00
29.50	0.00	232	209.02	0.00
29.60	0.00	232	209.02	0.00
29.70	0.00	232	209.02	0.00
29.80	0.00	232	209.02	0.00
29.90	0.00	232	209.02	0.00
30.00	0.00	232	209.02	0.00
30.10	0.00	232	209.02	0.00
30.20	0.00	232	209.02	0.00
30.30	0.00	232	209.02	0.00
30.40	0.00	231	209.02	0.00
30.50	0.00	231	209.02	0.00
30.60	0.00	231	209.02	0.00
30.70	0.00	231	209.02	0.00
30.80	0.00	231	209.02	0.00
30.90	0.00	231	209.02	0.00
31.00	0.00	231	209.02	0.00
31.10	0.00	231	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	231	209.02	0.00
31.30	0.00	231	209.02	0.00
31.40	0.00	231	209.02	0.00
31.50	0.00	231	209.02	0.00
31.60	0.00	231	209.02	0.00
31.70	0.00	231	209.02	0.00
31.80	0.00	231	209.02	0.00
31.90	0.00	231	209.02	0.00
32.00	0.00	231	209.02	0.00
32.10	0.00	231	209.02	0.00
32.20	0.00	231	209.02	0.00
32.30	0.00	231	209.02	0.00
32.40	0.00	231	209.02	0.00
32.50	0.00	231	209.02	0.00
32.60	0.00	231	209.02	0.00
32.70	0.00	231	209.02	0.00
32.80	0.00	231	209.02	0.00
32.90	0.00	231	209.02	0.00
33.00	0.00	231	209.02	0.00
33.10	0.00	231	209.02	0.00
33.20	0.00	231	209.02	0.00
33.30	0.00	231	209.02	0.00
33.40	0.00	231	209.02	0.00
33.50	0.00	231	209.02	0.00
33.60	0.00	231	209.02	0.00
33.70	0.00	231	209.02	0.00
33.80	0.00	231	209.02	0.00
33.90	0.00	231	209.02	0.00
34.00	0.00	231	209.02	0.00
34.10	0.00	231	209.02	0.00
34.20	0.00	231	209.02	0.00
34.30	0.00	231	209.02	0.00
34.40	0.00	231	209.02	0.00
34.50	0.00	231	209.02	0.00
34.60	0.00	231	209.02	0.00
34.70	0.00	231	209.02	0.00
34.80	0.00	231	209.02	0.00
34.90	0.00	231	209.02	0.00
35.00	0.00	231	209.02	0.00
35.10	0.00	231	209.02	0.00
35.20	0.00	231	209.02	0.00
35.30	0.00	231	209.02	0.00
35.40	0.00	231	209.02	0.00
35.50	0.00	230	209.02	0.00
35.60	0.00	230	209.02	0.00
35.70	0.00	230	209.02	0.00
35.80	0.00	230	209.02	0.00
35.90	0.00	230	209.02	0.00
36.00	0.00	230	209.02	0.00
36.10	0.00	230	209.02	0.00
36.20	0.00	230	209.02	0.00
36.30	0.00	230	209.02	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	230	209.02	0.00
36.50	0.00	230	209.02	0.00
36.60	0.00	230	209.02	0.00
36.70	0.00	230	209.02	0.00
36.80	0.00	230	209.02	0.00
36.90	0.00	230	209.02	0.00
37.00	0.00	230	209.02	0.00
37.10	0.00	230	209.02	0.00
37.20	0.00	230	209.02	0.00
37.30	0.00	230	209.02	0.00
37.40	0.00	230	209.02	0.00
37.50	0.00	230	209.02	0.00
37.60	0.00	230	209.02	0.00
37.70	0.00	230	209.02	0.00
37.80	0.00	230	209.02	0.00
37.90	0.00	230	209.02	0.00
38.00	0.00	230	209.02	0.00
38.10	0.00	230	209.02	0.00
38.20	0.00	230	209.02	0.00
38.30	0.00	230	209.02	0.00
38.40	0.00	230	209.02	0.00
38.50	0.00	230	209.02	0.00
38.60	0.00	230	209.02	0.00
38.70	0.00	230	209.02	0.00
38.80	0.00	230	209.02	0.00
38.90	0.00	230	209.02	0.00
39.00	0.00	230	209.02	0.00
39.10	0.00	230	209.02	0.00
39.20	0.00	230	209.02	0.00
39.30	0.00	230	209.02	0.00
39.40	0.00	230	209.02	0.00
39.50	0.00	230	209.02	0.00
39.60	0.00	230	209.02	0.00
39.70	0.00	230	209.02	0.00
39.80	0.00	230	209.02	0.00
39.90	0.00	230	209.02	0.00
40.00	0.00	230	209.02	0.00

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 0.62" for WQ Storm event
Inflow = 2.91 cfs @ 1.04 hrs, Volume= 0.086 af
Outflow = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af, Atten= 100%, Lag= 66.8 min
Primary = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.44' @ 2.15 hrs Surf.Area= 8,477 sf Storage= 3,754 cf

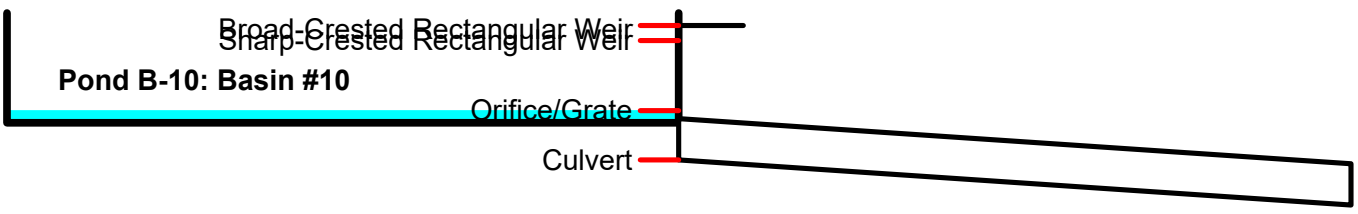
Plug-Flow detention time= 1,001.9 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 960.4 min (1,027.9 - 67.4)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

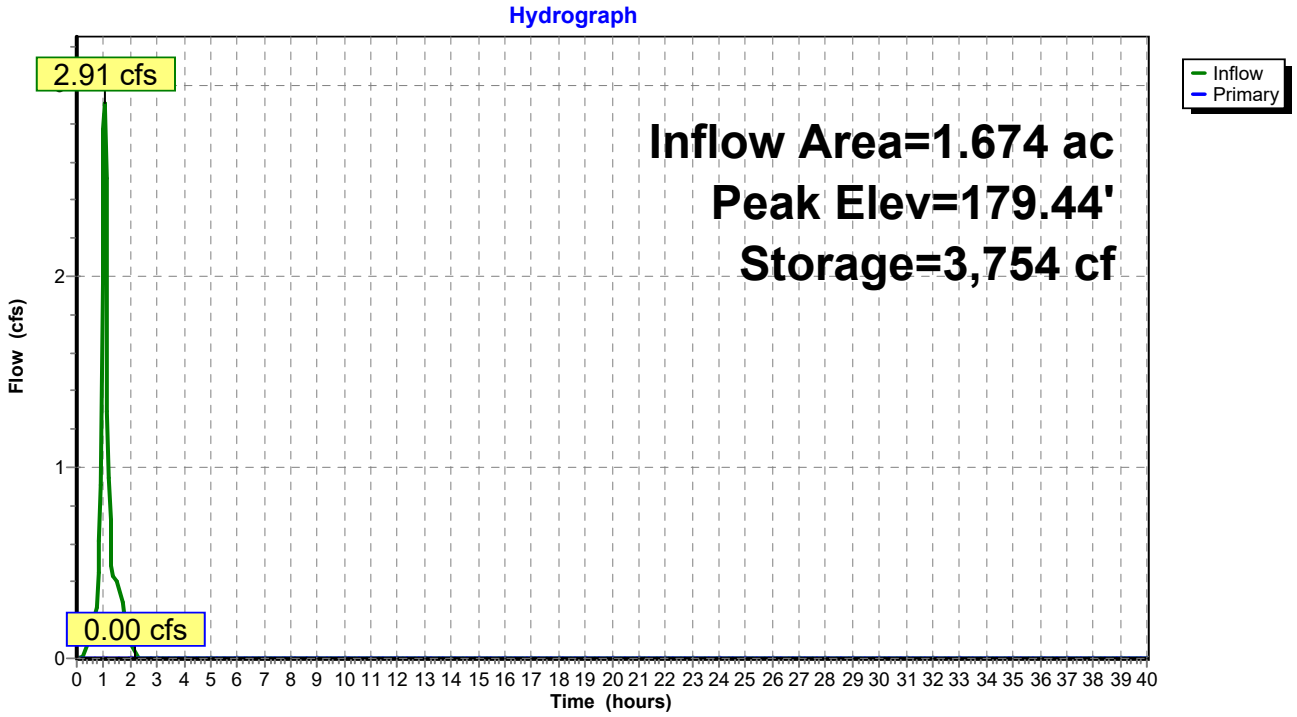
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.15 hrs HW=179.44' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 8.69 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.18 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.05	7	179.00	0.00
0.50	0.10	35	179.00	0.00
0.60	0.19	91	179.01	0.00
0.70	0.24	168	179.02	0.00
0.80	0.45	278	179.03	0.00
0.90	0.91	511	179.06	0.00
1.00	**2.77**	1,196	179.14	0.00
1.10	**2.51**	2,192	179.26	0.00
1.20	0.94	2,736	179.32	0.00
1.30	0.49	2,994	179.35	0.00
1.40	0.42	3,154	179.37	0.00
1.50	0.42	3,307	179.39	0.00
1.60	0.33	3,437	179.41	0.00
1.70	0.33	3,556	179.42	0.00
1.80	0.15	3,657	179.43	0.00
1.90	0.11	3,702	179.44	0.00
2.00	0.11	3,741	179.44	0.00
2.10	0.00	**3,754**	**179.44**	**0.00**
2.20	0.00	**3,754**	**179.44**	**0.00**
2.30	0.00	3,754	179.44	0.00
2.40	0.00	3,754	179.44	0.00
2.50	0.00	3,754	179.44	0.00
2.60	0.00	3,754	179.44	0.00
2.70	0.00	3,754	179.44	0.00
2.80	0.00	3,754	179.44	0.00
2.90	0.00	3,754	179.44	0.00
3.00	0.00	3,754	179.44	0.00
3.10	0.00	3,754	179.44	0.00
3.20	0.00	3,754	179.44	0.00
3.30	0.00	3,754	179.44	0.00
3.40	0.00	3,753	179.44	0.00
3.50	0.00	3,753	179.44	0.00
3.60	0.00	3,753	179.44	0.00
3.70	0.00	3,753	179.44	0.00
3.80	0.00	3,753	179.44	0.00
3.90	0.00	3,753	179.44	0.00
4.00	0.00	3,753	179.44	0.00
4.10	0.00	3,753	179.44	0.00
4.20	0.00	3,753	179.44	0.00
4.30	0.00	3,753	179.44	0.00
4.40	0.00	3,753	179.44	0.00
4.50	0.00	3,753	179.44	0.00
4.60	0.00	3,753	179.44	0.00
4.70	0.00	3,752	179.44	0.00
4.80	0.00	3,752	179.44	0.00
4.90	0.00	3,752	179.44	0.00
5.00	0.00	3,752	179.44	0.00
5.10	0.00	3,752	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,752	179.44	0.00
5.30	0.00	3,752	179.44	0.00
5.40	0.00	3,752	179.44	0.00
5.50	0.00	3,752	179.44	0.00
5.60	0.00	3,752	179.44	0.00
5.70	0.00	3,752	179.44	0.00
5.80	0.00	3,752	179.44	0.00
5.90	0.00	3,752	179.44	0.00
6.00	0.00	3,752	179.44	0.00
6.10	0.00	3,751	179.44	0.00
6.20	0.00	3,751	179.44	0.00
6.30	0.00	3,751	179.44	0.00
6.40	0.00	3,751	179.44	0.00
6.50	0.00	3,751	179.44	0.00
6.60	0.00	3,751	179.44	0.00
6.70	0.00	3,751	179.44	0.00
6.80	0.00	3,751	179.44	0.00
6.90	0.00	3,751	179.44	0.00
7.00	0.00	3,751	179.44	0.00
7.10	0.00	3,751	179.44	0.00
7.20	0.00	3,751	179.44	0.00
7.30	0.00	3,751	179.44	0.00
7.40	0.00	3,751	179.44	0.00
7.50	0.00	3,750	179.44	0.00
7.60	0.00	3,750	179.44	0.00
7.70	0.00	3,750	179.44	0.00
7.80	0.00	3,750	179.44	0.00
7.90	0.00	3,750	179.44	0.00
8.00	0.00	3,750	179.44	0.00
8.10	0.00	3,750	179.44	0.00
8.20	0.00	3,750	179.44	0.00
8.30	0.00	3,750	179.44	0.00
8.40	0.00	3,750	179.44	0.00
8.50	0.00	3,750	179.44	0.00
8.60	0.00	3,750	179.44	0.00
8.70	0.00	3,750	179.44	0.00
8.80	0.00	3,750	179.44	0.00
8.90	0.00	3,750	179.44	0.00
9.00	0.00	3,749	179.44	0.00
9.10	0.00	3,749	179.44	0.00
9.20	0.00	3,749	179.44	0.00
9.30	0.00	3,749	179.44	0.00
9.40	0.00	3,749	179.44	0.00
9.50	0.00	3,749	179.44	0.00
9.60	0.00	3,749	179.44	0.00
9.70	0.00	3,749	179.44	0.00
9.80	0.00	3,749	179.44	0.00
9.90	0.00	3,749	179.44	0.00
10.00	0.00	3,749	179.44	0.00
10.10	0.00	3,749	179.44	0.00
10.20	0.00	3,749	179.44	0.00
10.30	0.00	3,749	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,749	179.44	0.00
10.50	0.00	3,749	179.44	0.00
10.60	0.00	3,748	179.44	0.00
10.70	0.00	3,748	179.44	0.00
10.80	0.00	3,748	179.44	0.00
10.90	0.00	3,748	179.44	0.00
11.00	0.00	3,748	179.44	0.00
11.10	0.00	3,748	179.44	0.00
11.20	0.00	3,748	179.44	0.00
11.30	0.00	3,748	179.44	0.00
11.40	0.00	3,748	179.44	0.00
11.50	0.00	3,748	179.44	0.00
11.60	0.00	3,748	179.44	0.00
11.70	0.00	3,748	179.44	0.00
11.80	0.00	3,748	179.44	0.00
11.90	0.00	3,748	179.44	0.00
12.00	0.00	3,748	179.44	0.00
12.10	0.00	3,748	179.44	0.00
12.20	0.00	3,748	179.44	0.00
12.30	0.00	3,747	179.44	0.00
12.40	0.00	3,747	179.44	0.00
12.50	0.00	3,747	179.44	0.00
12.60	0.00	3,747	179.44	0.00
12.70	0.00	3,747	179.44	0.00
12.80	0.00	3,747	179.44	0.00
12.90	0.00	3,747	179.44	0.00
13.00	0.00	3,747	179.44	0.00
13.10	0.00	3,747	179.44	0.00
13.20	0.00	3,747	179.44	0.00
13.30	0.00	3,747	179.44	0.00
13.40	0.00	3,747	179.44	0.00
13.50	0.00	3,747	179.44	0.00
13.60	0.00	3,747	179.44	0.00
13.70	0.00	3,747	179.44	0.00
13.80	0.00	3,747	179.44	0.00
13.90	0.00	3,747	179.44	0.00
14.00	0.00	3,747	179.44	0.00
14.10	0.00	3,746	179.44	0.00
14.20	0.00	3,746	179.44	0.00
14.30	0.00	3,746	179.44	0.00
14.40	0.00	3,746	179.44	0.00
14.50	0.00	3,746	179.44	0.00
14.60	0.00	3,746	179.44	0.00
14.70	0.00	3,746	179.44	0.00
14.80	0.00	3,746	179.44	0.00
14.90	0.00	3,746	179.44	0.00
15.00	0.00	3,746	179.44	0.00
15.10	0.00	3,746	179.44	0.00
15.20	0.00	3,746	179.44	0.00
15.30	0.00	3,746	179.44	0.00
15.40	0.00	3,746	179.44	0.00
15.50	0.00	3,746	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,746	179.44	0.00
15.70	0.00	3,746	179.44	0.00
15.80	0.00	3,746	179.44	0.00
15.90	0.00	3,745	179.44	0.00
16.00	0.00	3,745	179.44	0.00
16.10	0.00	3,745	179.44	0.00
16.20	0.00	3,745	179.44	0.00
16.30	0.00	3,745	179.44	0.00
16.40	0.00	3,745	179.44	0.00
16.50	0.00	3,745	179.44	0.00
16.60	0.00	3,745	179.44	0.00
16.70	0.00	3,745	179.44	0.00
16.80	0.00	3,745	179.44	0.00
16.90	0.00	3,745	179.44	0.00
17.00	0.00	3,745	179.44	0.00
17.10	0.00	3,745	179.44	0.00
17.20	0.00	3,745	179.44	0.00
17.30	0.00	3,745	179.44	0.00
17.40	0.00	3,745	179.44	0.00
17.50	0.00	3,745	179.44	0.00
17.60	0.00	3,745	179.44	0.00
17.70	0.00	3,745	179.44	0.00
17.80	0.00	3,745	179.44	0.00
17.90	0.00	3,744	179.44	0.00
18.00	0.00	3,744	179.44	0.00
18.10	0.00	3,744	179.44	0.00
18.20	0.00	3,744	179.44	0.00
18.30	0.00	3,744	179.44	0.00
18.40	0.00	3,744	179.44	0.00
18.50	0.00	3,744	179.44	0.00
18.60	0.00	3,744	179.44	0.00
18.70	0.00	3,744	179.44	0.00
18.80	0.00	3,744	179.44	0.00
18.90	0.00	3,744	179.44	0.00
19.00	0.00	3,744	179.44	0.00
19.10	0.00	3,744	179.44	0.00
19.20	0.00	3,744	179.44	0.00
19.30	0.00	3,744	179.44	0.00
19.40	0.00	3,744	179.44	0.00
19.50	0.00	3,744	179.44	0.00
19.60	0.00	3,744	179.44	0.00
19.70	0.00	3,744	179.44	0.00
19.80	0.00	3,744	179.44	0.00
19.90	0.00	3,744	179.44	0.00
20.00	0.00	3,744	179.44	0.00
20.10	0.00	3,743	179.44	0.00
20.20	0.00	3,743	179.44	0.00
20.30	0.00	3,743	179.44	0.00
20.40	0.00	3,743	179.44	0.00
20.50	0.00	3,743	179.44	0.00
20.60	0.00	3,743	179.44	0.00
20.70	0.00	3,743	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,743	179.44	0.00
20.90	0.00	3,743	179.44	0.00
21.00	0.00	3,743	179.44	0.00
21.10	0.00	3,743	179.44	0.00
21.20	0.00	3,743	179.44	0.00
21.30	0.00	3,743	179.44	0.00
21.40	0.00	3,743	179.44	0.00
21.50	0.00	3,743	179.44	0.00
21.60	0.00	3,743	179.44	0.00
21.70	0.00	3,743	179.44	0.00
21.80	0.00	3,743	179.44	0.00
21.90	0.00	3,743	179.44	0.00
22.00	0.00	3,743	179.44	0.00
22.10	0.00	3,743	179.44	0.00
22.20	0.00	3,743	179.44	0.00
22.30	0.00	3,743	179.44	0.00
22.40	0.00	3,742	179.44	0.00
22.50	0.00	3,742	179.44	0.00
22.60	0.00	3,742	179.44	0.00
22.70	0.00	3,742	179.44	0.00
22.80	0.00	3,742	179.44	0.00
22.90	0.00	3,742	179.44	0.00
23.00	0.00	3,742	179.44	0.00
23.10	0.00	3,742	179.44	0.00
23.20	0.00	3,742	179.44	0.00
23.30	0.00	3,742	179.44	0.00
23.40	0.00	3,742	179.44	0.00
23.50	0.00	3,742	179.44	0.00
23.60	0.00	3,742	179.44	0.00
23.70	0.00	3,742	179.44	0.00
23.80	0.00	3,742	179.44	0.00
23.90	0.00	3,742	179.44	0.00
24.00	0.00	3,742	179.44	0.00
24.10	0.00	3,742	179.44	0.00
24.20	0.00	3,742	179.44	0.00
24.30	0.00	3,742	179.44	0.00
24.40	0.00	3,742	179.44	0.00
24.50	0.00	3,742	179.44	0.00
24.60	0.00	3,742	179.44	0.00
24.70	0.00	3,742	179.44	0.00
24.80	0.00	3,742	179.44	0.00
24.90	0.00	3,741	179.44	0.00
25.00	0.00	3,741	179.44	0.00
25.10	0.00	3,741	179.44	0.00
25.20	0.00	3,741	179.44	0.00
25.30	0.00	3,741	179.44	0.00
25.40	0.00	3,741	179.44	0.00
25.50	0.00	3,741	179.44	0.00
25.60	0.00	3,741	179.44	0.00
25.70	0.00	3,741	179.44	0.00
25.80	0.00	3,741	179.44	0.00
25.90	0.00	3,741	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,741	179.44	0.00
26.10	0.00	3,741	179.44	0.00
26.20	0.00	3,741	179.44	0.00
26.30	0.00	3,741	179.44	0.00
26.40	0.00	3,741	179.44	0.00
26.50	0.00	3,741	179.44	0.00
26.60	0.00	3,741	179.44	0.00
26.70	0.00	3,741	179.44	0.00
26.80	0.00	3,741	179.44	0.00
26.90	0.00	3,741	179.44	0.00
27.00	0.00	3,741	179.44	0.00
27.10	0.00	3,741	179.44	0.00
27.20	0.00	3,741	179.44	0.00
27.30	0.00	3,741	179.44	0.00
27.40	0.00	3,741	179.44	0.00
27.50	0.00	3,741	179.44	0.00
27.60	0.00	3,740	179.44	0.00
27.70	0.00	3,740	179.44	0.00
27.80	0.00	3,740	179.44	0.00
27.90	0.00	3,740	179.44	0.00
28.00	0.00	3,740	179.44	0.00
28.10	0.00	3,740	179.44	0.00
28.20	0.00	3,740	179.44	0.00
28.30	0.00	3,740	179.44	0.00
28.40	0.00	3,740	179.44	0.00
28.50	0.00	3,740	179.44	0.00
28.60	0.00	3,740	179.44	0.00
28.70	0.00	3,740	179.44	0.00
28.80	0.00	3,740	179.44	0.00
28.90	0.00	3,740	179.44	0.00
29.00	0.00	3,740	179.44	0.00
29.10	0.00	3,740	179.44	0.00
29.20	0.00	3,740	179.44	0.00
29.30	0.00	3,740	179.44	0.00
29.40	0.00	3,740	179.44	0.00
29.50	0.00	3,740	179.44	0.00
29.60	0.00	3,740	179.44	0.00
29.70	0.00	3,740	179.44	0.00
29.80	0.00	3,740	179.44	0.00
29.90	0.00	3,740	179.44	0.00
30.00	0.00	3,740	179.44	0.00
30.10	0.00	3,740	179.44	0.00
30.20	0.00	3,740	179.44	0.00
30.30	0.00	3,740	179.44	0.00
30.40	0.00	3,740	179.44	0.00
30.50	0.00	3,740	179.44	0.00
30.60	0.00	3,739	179.44	0.00
30.70	0.00	3,739	179.44	0.00
30.80	0.00	3,739	179.44	0.00
30.90	0.00	3,739	179.44	0.00
31.00	0.00	3,739	179.44	0.00
31.10	0.00	3,739	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,739	179.44	0.00
31.30	0.00	3,739	179.44	0.00
31.40	0.00	3,739	179.44	0.00
31.50	0.00	3,739	179.44	0.00
31.60	0.00	3,739	179.44	0.00
31.70	0.00	3,739	179.44	0.00
31.80	0.00	3,739	179.44	0.00
31.90	0.00	3,739	179.44	0.00
32.00	0.00	3,739	179.44	0.00
32.10	0.00	3,739	179.44	0.00
32.20	0.00	3,739	179.44	0.00
32.30	0.00	3,739	179.44	0.00
32.40	0.00	3,739	179.44	0.00
32.50	0.00	3,739	179.44	0.00
32.60	0.00	3,739	179.44	0.00
32.70	0.00	3,739	179.44	0.00
32.80	0.00	3,739	179.44	0.00
32.90	0.00	3,739	179.44	0.00
33.00	0.00	3,739	179.44	0.00
33.10	0.00	3,739	179.44	0.00
33.20	0.00	3,739	179.44	0.00
33.30	0.00	3,739	179.44	0.00
33.40	0.00	3,739	179.44	0.00
33.50	0.00	3,739	179.44	0.00
33.60	0.00	3,739	179.44	0.00
33.70	0.00	3,739	179.44	0.00
33.80	0.00	3,739	179.44	0.00
33.90	0.00	3,738	179.44	0.00
34.00	0.00	3,738	179.44	0.00
34.10	0.00	3,738	179.44	0.00
34.20	0.00	3,738	179.44	0.00
34.30	0.00	3,738	179.44	0.00
34.40	0.00	3,738	179.44	0.00
34.50	0.00	3,738	179.44	0.00
34.60	0.00	3,738	179.44	0.00
34.70	0.00	3,738	179.44	0.00
34.80	0.00	3,738	179.44	0.00
34.90	0.00	3,738	179.44	0.00
35.00	0.00	3,738	179.44	0.00
35.10	0.00	3,738	179.44	0.00
35.20	0.00	3,738	179.44	0.00
35.30	0.00	3,738	179.44	0.00
35.40	0.00	3,738	179.44	0.00
35.50	0.00	3,738	179.44	0.00
35.60	0.00	3,738	179.44	0.00
35.70	0.00	3,738	179.44	0.00
35.80	0.00	3,738	179.44	0.00
35.90	0.00	3,738	179.44	0.00
36.00	0.00	3,738	179.44	0.00
36.10	0.00	3,738	179.44	0.00
36.20	0.00	3,738	179.44	0.00
36.30	0.00	3,738	179.44	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,738	179.44	0.00
36.50	0.00	3,738	179.44	0.00
36.60	0.00	3,738	179.44	0.00
36.70	0.00	3,738	179.44	0.00
36.80	0.00	3,738	179.44	0.00
36.90	0.00	3,738	179.44	0.00
37.00	0.00	3,738	179.44	0.00
37.10	0.00	3,738	179.44	0.00
37.20	0.00	3,738	179.44	0.00
37.30	0.00	3,738	179.44	0.00
37.40	0.00	3,738	179.44	0.00
37.50	0.00	3,738	179.44	0.00
37.60	0.00	3,737	179.44	0.00
37.70	0.00	3,737	179.44	0.00
37.80	0.00	3,737	179.44	0.00
37.90	0.00	3,737	179.44	0.00
38.00	0.00	3,737	179.44	0.00
38.10	0.00	3,737	179.44	0.00
38.20	0.00	3,737	179.44	0.00
38.30	0.00	3,737	179.44	0.00
38.40	0.00	3,737	179.44	0.00
38.50	0.00	3,737	179.44	0.00
38.60	0.00	3,737	179.44	0.00
38.70	0.00	3,737	179.44	0.00
38.80	0.00	3,737	179.44	0.00
38.90	0.00	3,737	179.44	0.00
39.00	0.00	3,737	179.44	0.00
39.10	0.00	3,737	179.44	0.00
39.20	0.00	3,737	179.44	0.00
39.30	0.00	3,737	179.44	0.00
39.40	0.00	3,737	179.44	0.00
39.50	0.00	3,737	179.44	0.00
39.60	0.00	3,737	179.44	0.00
39.70	0.00	3,737	179.44	0.00
39.80	0.00	3,737	179.44	0.00
39.90	0.00	3,737	179.44	0.00
40.00	0.00	3,737	179.44	0.00

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 0.64" for WQ Storm event
Inflow = 4.04 cfs @ 1.04 hrs, Volume= 0.118 af
Outflow = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af, Atten= 100%, Lag= 66.9 min
Primary = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.42' @ 2.15 hrs Surf.Area= 12,248 sf Storage= 5,145 cf

Plug-Flow detention time= 1,010.7 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 962.9 min (1,030.1 - 67.1)

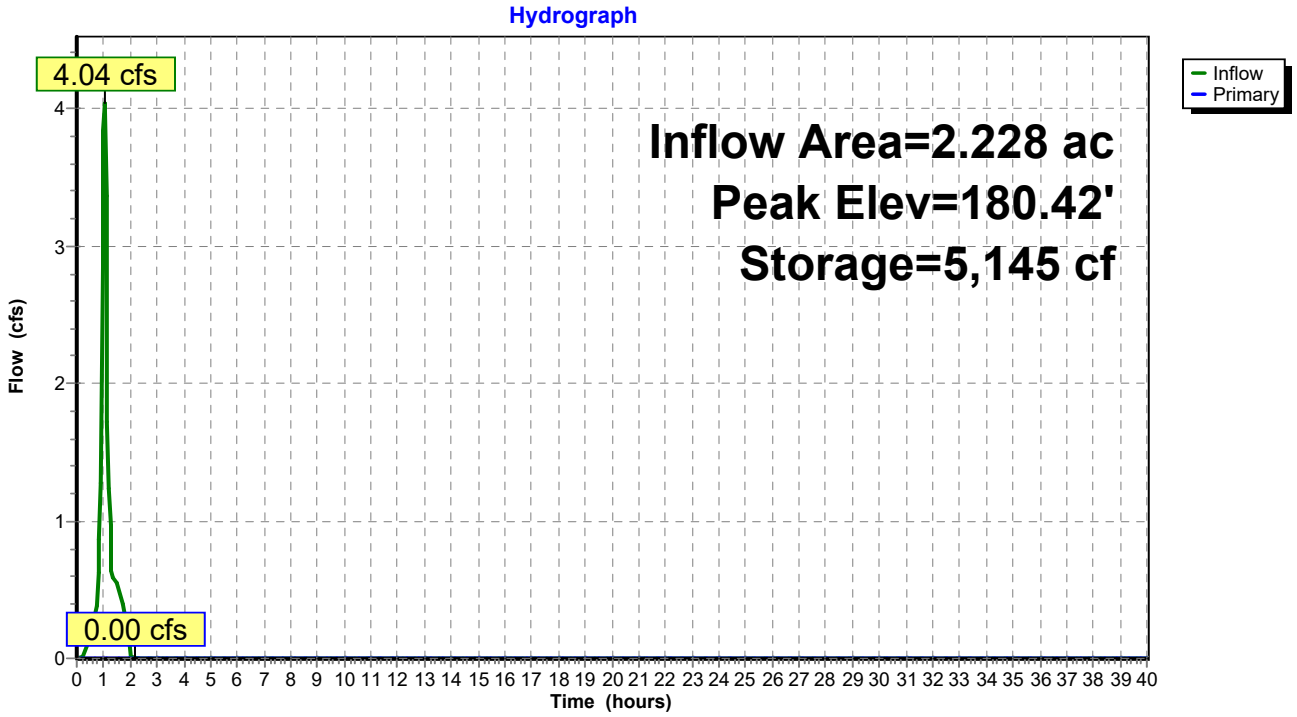
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.15 hrs HW=180.42' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 7.55 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.02 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.07	11	180.00	0.00
0.50	0.15	50	180.00	0.00
0.60	0.27	127	180.01	0.00
0.70	0.33	235	180.02	0.00
0.80	0.63	389	180.03	0.00
0.90	1.27	716	180.06	0.00
1.00	**3.84**	1,687	180.14	0.00
1.10	**3.37**	3,056	180.25	0.00
1.20	1.24	3,781	180.31	0.00
1.30	0.63	4,124	180.34	0.00
1.40	0.58	4,339	180.35	0.00
1.50	0.57	4,547	180.37	0.00
1.60	0.45	4,722	180.39	0.00
1.70	0.45	4,884	180.40	0.00
1.80	0.19	5,018	180.41	0.00
1.90	0.15	5,076	180.41	0.00
2.00	0.14	5,129	180.42	0.00
2.10	0.00	**5,145**	**180.42**	**0.00**
2.20	0.00	**5,145**	**180.42**	**0.00**
2.30	0.00	5,145	180.42	0.00
2.40	0.00	5,145	180.42	0.00
2.50	0.00	5,145	180.42	0.00
2.60	0.00	5,145	180.42	0.00
2.70	0.00	5,145	180.42	0.00
2.80	0.00	5,145	180.42	0.00
2.90	0.00	5,145	180.42	0.00
3.00	0.00	5,145	180.42	0.00
3.10	0.00	5,145	180.42	0.00
3.20	0.00	5,145	180.42	0.00
3.30	0.00	5,145	180.42	0.00
3.40	0.00	5,145	180.42	0.00
3.50	0.00	5,145	180.42	0.00
3.60	0.00	5,145	180.42	0.00
3.70	0.00	5,145	180.42	0.00
3.80	0.00	5,145	180.42	0.00
3.90	0.00	5,145	180.42	0.00
4.00	0.00	5,145	180.42	0.00
4.10	0.00	5,145	180.42	0.00
4.20	0.00	5,145	180.42	0.00
4.30	0.00	5,145	180.42	0.00
4.40	0.00	5,145	180.42	0.00
4.50	0.00	5,145	180.42	0.00
4.60	0.00	5,145	180.42	0.00
4.70	0.00	5,145	180.42	0.00
4.80	0.00	5,145	180.42	0.00
4.90	0.00	5,145	180.42	0.00
5.00	0.00	5,145	180.42	0.00
5.10	0.00	5,145	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,145	180.42	0.00
5.30	0.00	5,145	180.42	0.00
5.40	0.00	5,145	180.42	0.00
5.50	0.00	5,145	180.42	0.00
5.60	0.00	5,145	180.42	0.00
5.70	0.00	5,145	180.42	0.00
5.80	0.00	5,145	180.42	0.00
5.90	0.00	5,145	180.42	0.00
6.00	0.00	5,145	180.42	0.00
6.10	0.00	5,145	180.42	0.00
6.20	0.00	5,145	180.42	0.00
6.30	0.00	5,145	180.42	0.00
6.40	0.00	5,145	180.42	0.00
6.50	0.00	5,145	180.42	0.00
6.60	0.00	5,145	180.42	0.00
6.70	0.00	5,145	180.42	0.00
6.80	0.00	5,145	180.42	0.00
6.90	0.00	5,145	180.42	0.00
7.00	0.00	5,145	180.42	0.00
7.10	0.00	5,145	180.42	0.00
7.20	0.00	5,145	180.42	0.00
7.30	0.00	5,145	180.42	0.00
7.40	0.00	5,145	180.42	0.00
7.50	0.00	5,145	180.42	0.00
7.60	0.00	5,145	180.42	0.00
7.70	0.00	5,145	180.42	0.00
7.80	0.00	5,145	180.42	0.00
7.90	0.00	5,145	180.42	0.00
8.00	0.00	5,145	180.42	0.00
8.10	0.00	5,145	180.42	0.00
8.20	0.00	5,144	180.42	0.00
8.30	0.00	5,144	180.42	0.00
8.40	0.00	5,144	180.42	0.00
8.50	0.00	5,144	180.42	0.00
8.60	0.00	5,144	180.42	0.00
8.70	0.00	5,144	180.42	0.00
8.80	0.00	5,144	180.42	0.00
8.90	0.00	5,144	180.42	0.00
9.00	0.00	5,144	180.42	0.00
9.10	0.00	5,144	180.42	0.00
9.20	0.00	5,144	180.42	0.00
9.30	0.00	5,144	180.42	0.00
9.40	0.00	5,144	180.42	0.00
9.50	0.00	5,144	180.42	0.00
9.60	0.00	5,144	180.42	0.00
9.70	0.00	5,144	180.42	0.00
9.80	0.00	5,144	180.42	0.00
9.90	0.00	5,144	180.42	0.00
10.00	0.00	5,144	180.42	0.00
10.10	0.00	5,144	180.42	0.00
10.20	0.00	5,144	180.42	0.00
10.30	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,144	180.42	0.00
10.50	0.00	5,144	180.42	0.00
10.60	0.00	5,144	180.42	0.00
10.70	0.00	5,144	180.42	0.00
10.80	0.00	5,144	180.42	0.00
10.90	0.00	5,144	180.42	0.00
11.00	0.00	5,144	180.42	0.00
11.10	0.00	5,144	180.42	0.00
11.20	0.00	5,144	180.42	0.00
11.30	0.00	5,144	180.42	0.00
11.40	0.00	5,144	180.42	0.00
11.50	0.00	5,144	180.42	0.00
11.60	0.00	5,144	180.42	0.00
11.70	0.00	5,144	180.42	0.00
11.80	0.00	5,144	180.42	0.00
11.90	0.00	5,144	180.42	0.00
12.00	0.00	5,144	180.42	0.00
12.10	0.00	5,144	180.42	0.00
12.20	0.00	5,144	180.42	0.00
12.30	0.00	5,144	180.42	0.00
12.40	0.00	5,144	180.42	0.00
12.50	0.00	5,144	180.42	0.00
12.60	0.00	5,144	180.42	0.00
12.70	0.00	5,144	180.42	0.00
12.80	0.00	5,144	180.42	0.00
12.90	0.00	5,144	180.42	0.00
13.00	0.00	5,144	180.42	0.00
13.10	0.00	5,144	180.42	0.00
13.20	0.00	5,144	180.42	0.00
13.30	0.00	5,144	180.42	0.00
13.40	0.00	5,144	180.42	0.00
13.50	0.00	5,144	180.42	0.00
13.60	0.00	5,144	180.42	0.00
13.70	0.00	5,144	180.42	0.00
13.80	0.00	5,144	180.42	0.00
13.90	0.00	5,144	180.42	0.00
14.00	0.00	5,144	180.42	0.00
14.10	0.00	5,144	180.42	0.00
14.20	0.00	5,144	180.42	0.00
14.30	0.00	5,144	180.42	0.00
14.40	0.00	5,144	180.42	0.00
14.50	0.00	5,144	180.42	0.00
14.60	0.00	5,144	180.42	0.00
14.70	0.00	5,144	180.42	0.00
14.80	0.00	5,144	180.42	0.00
14.90	0.00	5,144	180.42	0.00
15.00	0.00	5,144	180.42	0.00
15.10	0.00	5,144	180.42	0.00
15.20	0.00	5,144	180.42	0.00
15.30	0.00	5,144	180.42	0.00
15.40	0.00	5,144	180.42	0.00
15.50	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,144	180.42	0.00
15.70	0.00	5,144	180.42	0.00
15.80	0.00	5,144	180.42	0.00
15.90	0.00	5,144	180.42	0.00
16.00	0.00	5,144	180.42	0.00
16.10	0.00	5,144	180.42	0.00
16.20	0.00	5,144	180.42	0.00
16.30	0.00	5,144	180.42	0.00
16.40	0.00	5,144	180.42	0.00
16.50	0.00	5,144	180.42	0.00
16.60	0.00	5,144	180.42	0.00
16.70	0.00	5,144	180.42	0.00
16.80	0.00	5,144	180.42	0.00
16.90	0.00	5,144	180.42	0.00
17.00	0.00	5,144	180.42	0.00
17.10	0.00	5,144	180.42	0.00
17.20	0.00	5,144	180.42	0.00
17.30	0.00	5,144	180.42	0.00
17.40	0.00	5,144	180.42	0.00
17.50	0.00	5,144	180.42	0.00
17.60	0.00	5,144	180.42	0.00
17.70	0.00	5,144	180.42	0.00
17.80	0.00	5,144	180.42	0.00
17.90	0.00	5,144	180.42	0.00
18.00	0.00	5,144	180.42	0.00
18.10	0.00	5,144	180.42	0.00
18.20	0.00	5,144	180.42	0.00
18.30	0.00	5,144	180.42	0.00
18.40	0.00	5,144	180.42	0.00
18.50	0.00	5,144	180.42	0.00
18.60	0.00	5,144	180.42	0.00
18.70	0.00	5,144	180.42	0.00
18.80	0.00	5,144	180.42	0.00
18.90	0.00	5,144	180.42	0.00
19.00	0.00	5,144	180.42	0.00
19.10	0.00	5,144	180.42	0.00
19.20	0.00	5,144	180.42	0.00
19.30	0.00	5,144	180.42	0.00
19.40	0.00	5,144	180.42	0.00
19.50	0.00	5,144	180.42	0.00
19.60	0.00	5,144	180.42	0.00
19.70	0.00	5,144	180.42	0.00
19.80	0.00	5,144	180.42	0.00
19.90	0.00	5,144	180.42	0.00
20.00	0.00	5,144	180.42	0.00
20.10	0.00	5,144	180.42	0.00
20.20	0.00	5,144	180.42	0.00
20.30	0.00	5,144	180.42	0.00
20.40	0.00	5,144	180.42	0.00
20.50	0.00	5,144	180.42	0.00
20.60	0.00	5,144	180.42	0.00
20.70	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,144	180.42	0.00
20.90	0.00	5,144	180.42	0.00
21.00	0.00	5,144	180.42	0.00
21.10	0.00	5,144	180.42	0.00
21.20	0.00	5,144	180.42	0.00
21.30	0.00	5,144	180.42	0.00
21.40	0.00	5,144	180.42	0.00
21.50	0.00	5,144	180.42	0.00
21.60	0.00	5,144	180.42	0.00
21.70	0.00	5,144	180.42	0.00
21.80	0.00	5,144	180.42	0.00
21.90	0.00	5,144	180.42	0.00
22.00	0.00	5,144	180.42	0.00
22.10	0.00	5,144	180.42	0.00
22.20	0.00	5,144	180.42	0.00
22.30	0.00	5,144	180.42	0.00
22.40	0.00	5,144	180.42	0.00
22.50	0.00	5,144	180.42	0.00
22.60	0.00	5,144	180.42	0.00
22.70	0.00	5,144	180.42	0.00
22.80	0.00	5,144	180.42	0.00
22.90	0.00	5,144	180.42	0.00
23.00	0.00	5,144	180.42	0.00
23.10	0.00	5,144	180.42	0.00
23.20	0.00	5,144	180.42	0.00
23.30	0.00	5,144	180.42	0.00
23.40	0.00	5,144	180.42	0.00
23.50	0.00	5,144	180.42	0.00
23.60	0.00	5,144	180.42	0.00
23.70	0.00	5,144	180.42	0.00
23.80	0.00	5,144	180.42	0.00
23.90	0.00	5,144	180.42	0.00
24.00	0.00	5,144	180.42	0.00
24.10	0.00	5,144	180.42	0.00
24.20	0.00	5,144	180.42	0.00
24.30	0.00	5,144	180.42	0.00
24.40	0.00	5,144	180.42	0.00
24.50	0.00	5,144	180.42	0.00
24.60	0.00	5,144	180.42	0.00
24.70	0.00	5,144	180.42	0.00
24.80	0.00	5,144	180.42	0.00
24.90	0.00	5,144	180.42	0.00
25.00	0.00	5,144	180.42	0.00
25.10	0.00	5,144	180.42	0.00
25.20	0.00	5,144	180.42	0.00
25.30	0.00	5,144	180.42	0.00
25.40	0.00	5,144	180.42	0.00
25.50	0.00	5,144	180.42	0.00
25.60	0.00	5,144	180.42	0.00
25.70	0.00	5,144	180.42	0.00
25.80	0.00	5,144	180.42	0.00
25.90	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,144	180.42	0.00
26.10	0.00	5,144	180.42	0.00
26.20	0.00	5,144	180.42	0.00
26.30	0.00	5,144	180.42	0.00
26.40	0.00	5,144	180.42	0.00
26.50	0.00	5,144	180.42	0.00
26.60	0.00	5,144	180.42	0.00
26.70	0.00	5,144	180.42	0.00
26.80	0.00	5,144	180.42	0.00
26.90	0.00	5,144	180.42	0.00
27.00	0.00	5,144	180.42	0.00
27.10	0.00	5,144	180.42	0.00
27.20	0.00	5,144	180.42	0.00
27.30	0.00	5,144	180.42	0.00
27.40	0.00	5,144	180.42	0.00
27.50	0.00	5,144	180.42	0.00
27.60	0.00	5,144	180.42	0.00
27.70	0.00	5,144	180.42	0.00
27.80	0.00	5,144	180.42	0.00
27.90	0.00	5,144	180.42	0.00
28.00	0.00	5,144	180.42	0.00
28.10	0.00	5,144	180.42	0.00
28.20	0.00	5,144	180.42	0.00
28.30	0.00	5,144	180.42	0.00
28.40	0.00	5,144	180.42	0.00
28.50	0.00	5,144	180.42	0.00
28.60	0.00	5,144	180.42	0.00
28.70	0.00	5,144	180.42	0.00
28.80	0.00	5,144	180.42	0.00
28.90	0.00	5,144	180.42	0.00
29.00	0.00	5,144	180.42	0.00
29.10	0.00	5,144	180.42	0.00
29.20	0.00	5,144	180.42	0.00
29.30	0.00	5,144	180.42	0.00
29.40	0.00	5,144	180.42	0.00
29.50	0.00	5,144	180.42	0.00
29.60	0.00	5,144	180.42	0.00
29.70	0.00	5,144	180.42	0.00
29.80	0.00	5,144	180.42	0.00
29.90	0.00	5,144	180.42	0.00
30.00	0.00	5,144	180.42	0.00
30.10	0.00	5,144	180.42	0.00
30.20	0.00	5,144	180.42	0.00
30.30	0.00	5,144	180.42	0.00
30.40	0.00	5,144	180.42	0.00
30.50	0.00	5,144	180.42	0.00
30.60	0.00	5,144	180.42	0.00
30.70	0.00	5,144	180.42	0.00
30.80	0.00	5,144	180.42	0.00
30.90	0.00	5,144	180.42	0.00
31.00	0.00	5,144	180.42	0.00
31.10	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,144	180.42	0.00
31.30	0.00	5,144	180.42	0.00
31.40	0.00	5,144	180.42	0.00
31.50	0.00	5,144	180.42	0.00
31.60	0.00	5,144	180.42	0.00
31.70	0.00	5,144	180.42	0.00
31.80	0.00	5,144	180.42	0.00
31.90	0.00	5,144	180.42	0.00
32.00	0.00	5,144	180.42	0.00
32.10	0.00	5,144	180.42	0.00
32.20	0.00	5,144	180.42	0.00
32.30	0.00	5,144	180.42	0.00
32.40	0.00	5,144	180.42	0.00
32.50	0.00	5,144	180.42	0.00
32.60	0.00	5,144	180.42	0.00
32.70	0.00	5,144	180.42	0.00
32.80	0.00	5,144	180.42	0.00
32.90	0.00	5,144	180.42	0.00
33.00	0.00	5,144	180.42	0.00
33.10	0.00	5,144	180.42	0.00
33.20	0.00	5,144	180.42	0.00
33.30	0.00	5,144	180.42	0.00
33.40	0.00	5,144	180.42	0.00
33.50	0.00	5,144	180.42	0.00
33.60	0.00	5,144	180.42	0.00
33.70	0.00	5,144	180.42	0.00
33.80	0.00	5,144	180.42	0.00
33.90	0.00	5,144	180.42	0.00
34.00	0.00	5,144	180.42	0.00
34.10	0.00	5,144	180.42	0.00
34.20	0.00	5,144	180.42	0.00
34.30	0.00	5,144	180.42	0.00
34.40	0.00	5,144	180.42	0.00
34.50	0.00	5,144	180.42	0.00
34.60	0.00	5,144	180.42	0.00
34.70	0.00	5,144	180.42	0.00
34.80	0.00	5,144	180.42	0.00
34.90	0.00	5,144	180.42	0.00
35.00	0.00	5,144	180.42	0.00
35.10	0.00	5,144	180.42	0.00
35.20	0.00	5,144	180.42	0.00
35.30	0.00	5,144	180.42	0.00
35.40	0.00	5,144	180.42	0.00
35.50	0.00	5,144	180.42	0.00
35.60	0.00	5,144	180.42	0.00
35.70	0.00	5,144	180.42	0.00
35.80	0.00	5,144	180.42	0.00
35.90	0.00	5,144	180.42	0.00
36.00	0.00	5,144	180.42	0.00
36.10	0.00	5,144	180.42	0.00
36.20	0.00	5,144	180.42	0.00
36.30	0.00	5,144	180.42	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,144	180.42	0.00
36.50	0.00	5,144	180.42	0.00
36.60	0.00	5,144	180.42	0.00
36.70	0.00	5,144	180.42	0.00
36.80	0.00	5,144	180.42	0.00
36.90	0.00	5,144	180.42	0.00
37.00	0.00	5,144	180.42	0.00
37.10	0.00	5,144	180.42	0.00
37.20	0.00	5,144	180.42	0.00
37.30	0.00	5,144	180.42	0.00
37.40	0.00	5,144	180.42	0.00
37.50	0.00	5,144	180.42	0.00
37.60	0.00	5,144	180.42	0.00
37.70	0.00	5,144	180.42	0.00
37.80	0.00	5,144	180.42	0.00
37.90	0.00	5,144	180.42	0.00
38.00	0.00	5,144	180.42	0.00
38.10	0.00	5,144	180.42	0.00
38.20	0.00	5,144	180.42	0.00
38.30	0.00	5,144	180.42	0.00
38.40	0.00	5,144	180.42	0.00
38.50	0.00	5,144	180.42	0.00
38.60	0.00	5,144	180.42	0.00
38.70	0.00	5,144	180.42	0.00
38.80	0.00	5,144	180.42	0.00
38.90	0.00	5,144	180.42	0.00
39.00	0.00	5,144	180.42	0.00
39.10	0.00	5,144	180.42	0.00
39.20	0.00	5,144	180.42	0.00
39.30	0.00	5,144	180.42	0.00
39.40	0.00	5,144	180.42	0.00
39.50	0.00	5,144	180.42	0.00
39.60	0.00	5,144	180.42	0.00
39.70	0.00	5,144	180.42	0.00
39.80	0.00	5,144	180.42	0.00
39.90	0.00	5,144	180.42	0.00
40.00	0.00	5,144	180.42	0.00

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 0.50" for WQ Storm event
Inflow = 3.51 cfs @ 1.08 hrs, Volume= 0.102 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.75' @ 2.25 hrs Surf.Area= 5,928 sf Storage= 4,437 cf

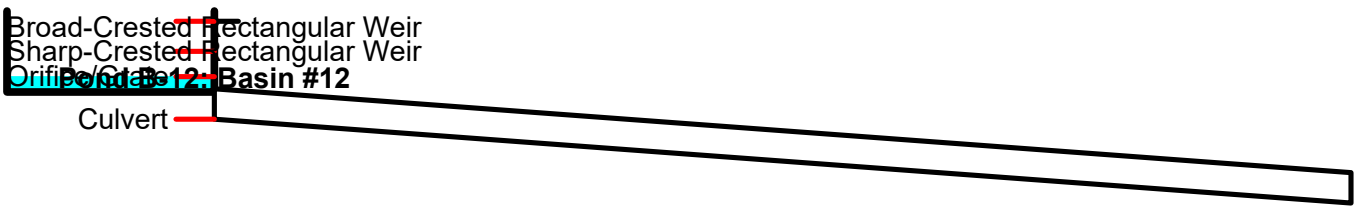
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

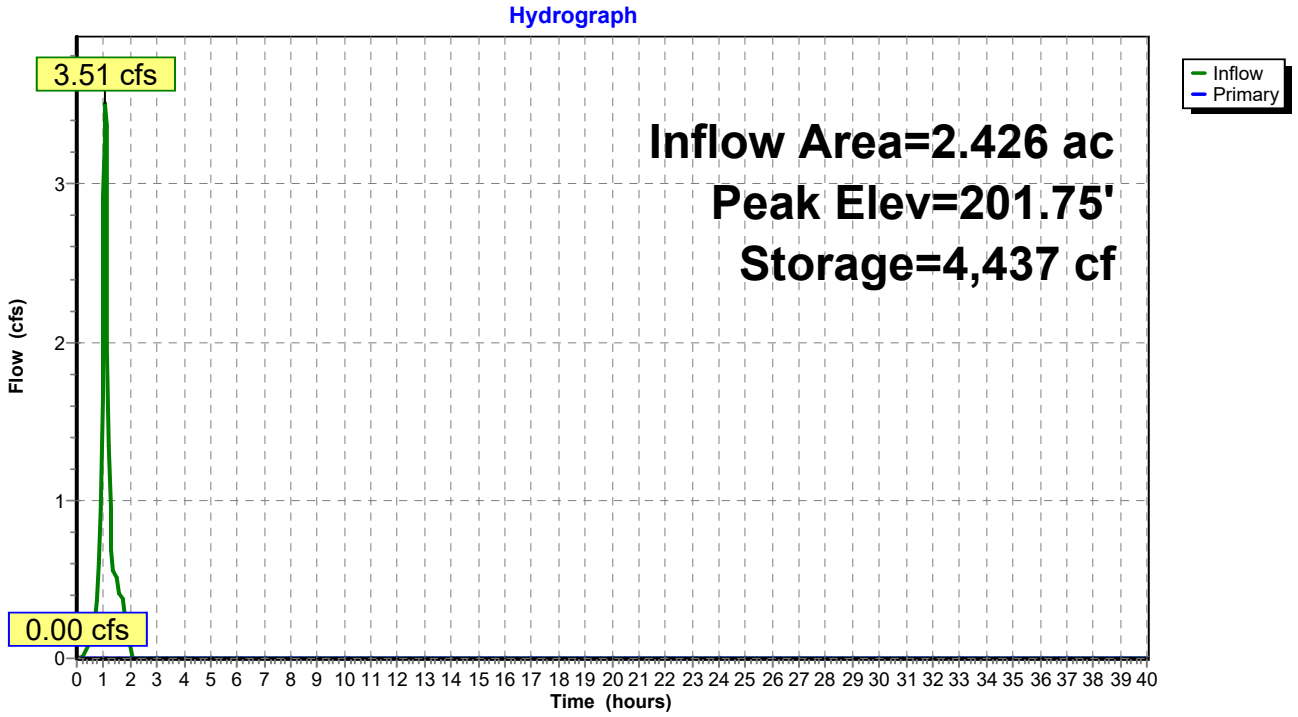
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=201.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.63 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	**0.00**
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.04	5	201.00	0.00
0.50	0.11	32	201.01	0.00
0.60	0.21	89	201.01	0.00
0.70	0.26	173	201.03	0.00
0.80	0.43	288	201.05	0.00
0.90	0.94	519	201.09	0.00
1.00	2.93	1,164	201.20	0.00
1.10	**3.37**	2,321	201.39	0.00
1.20	1.34	3,097	201.52	0.00
1.30	0.69	3,451	201.58	0.00
1.40	0.53	3,659	201.62	0.00
1.50	0.53	3,850	201.65	0.00
1.60	0.42	4,018	201.68	0.00
1.70	0.42	4,167	201.70	0.00
1.80	0.25	4,301	201.73	0.00
1.90	0.14	4,364	201.74	0.00
2.00	0.14	4,414	201.74	0.00
2.10	0.01	4,437	201.75	0.00
2.20	0.00	**4,437**	**201.75**	0.00
2.30	0.00	**4,437**	**201.75**	0.00
2.40	0.00	4,437	201.75	0.00
2.50	0.00	4,437	201.75	0.00
2.60	0.00	4,437	201.75	0.00
2.70	0.00	4,437	201.75	0.00
2.80	0.00	4,437	201.75	0.00
2.90	0.00	4,437	201.75	0.00
3.00	0.00	4,437	201.75	0.00
3.10	0.00	4,437	201.75	0.00
3.20	0.00	4,437	201.75	0.00
3.30	0.00	4,437	201.75	0.00
3.40	0.00	4,437	201.75	0.00
3.50	0.00	4,437	201.75	0.00
3.60	0.00	4,437	201.75	0.00
3.70	0.00	4,437	201.75	0.00
3.80	0.00	4,437	201.75	0.00
3.90	0.00	4,437	201.75	0.00
4.00	0.00	4,437	201.75	0.00
4.10	0.00	4,437	201.75	0.00
4.20	0.00	4,437	201.75	0.00
4.30	0.00	4,437	201.75	0.00
4.40	0.00	4,437	201.75	0.00
4.50	0.00	4,437	201.75	0.00
4.60	0.00	4,437	201.75	0.00
4.70	0.00	4,437	201.75	0.00
4.80	0.00	4,437	201.75	0.00
4.90	0.00	4,437	201.75	0.00
5.00	0.00	4,437	201.75	0.00
5.10	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	4,437	201.75	0.00
5.30	0.00	4,437	201.75	0.00
5.40	0.00	4,437	201.75	0.00
5.50	0.00	4,437	201.75	0.00
5.60	0.00	4,437	201.75	0.00
5.70	0.00	4,437	201.75	0.00
5.80	0.00	4,437	201.75	0.00
5.90	0.00	4,437	201.75	0.00
6.00	0.00	4,437	201.75	0.00
6.10	0.00	4,437	201.75	0.00
6.20	0.00	4,437	201.75	0.00
6.30	0.00	4,437	201.75	0.00
6.40	0.00	4,437	201.75	0.00
6.50	0.00	4,437	201.75	0.00
6.60	0.00	4,437	201.75	0.00
6.70	0.00	4,437	201.75	0.00
6.80	0.00	4,437	201.75	0.00
6.90	0.00	4,437	201.75	0.00
7.00	0.00	4,437	201.75	0.00
7.10	0.00	4,437	201.75	0.00
7.20	0.00	4,437	201.75	0.00
7.30	0.00	4,437	201.75	0.00
7.40	0.00	4,437	201.75	0.00
7.50	0.00	4,437	201.75	0.00
7.60	0.00	4,437	201.75	0.00
7.70	0.00	4,437	201.75	0.00
7.80	0.00	4,437	201.75	0.00
7.90	0.00	4,437	201.75	0.00
8.00	0.00	4,437	201.75	0.00
8.10	0.00	4,437	201.75	0.00
8.20	0.00	4,437	201.75	0.00
8.30	0.00	4,437	201.75	0.00
8.40	0.00	4,437	201.75	0.00
8.50	0.00	4,437	201.75	0.00
8.60	0.00	4,437	201.75	0.00
8.70	0.00	4,437	201.75	0.00
8.80	0.00	4,437	201.75	0.00
8.90	0.00	4,437	201.75	0.00
9.00	0.00	4,437	201.75	0.00
9.10	0.00	4,437	201.75	0.00
9.20	0.00	4,437	201.75	0.00
9.30	0.00	4,437	201.75	0.00
9.40	0.00	4,437	201.75	0.00
9.50	0.00	4,437	201.75	0.00
9.60	0.00	4,437	201.75	0.00
9.70	0.00	4,437	201.75	0.00
9.80	0.00	4,437	201.75	0.00
9.90	0.00	4,437	201.75	0.00
10.00	0.00	4,437	201.75	0.00
10.10	0.00	4,437	201.75	0.00
10.20	0.00	4,437	201.75	0.00
10.30	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	4,437	201.75	0.00
10.50	0.00	4,437	201.75	0.00
10.60	0.00	4,437	201.75	0.00
10.70	0.00	4,437	201.75	0.00
10.80	0.00	4,437	201.75	0.00
10.90	0.00	4,437	201.75	0.00
11.00	0.00	4,437	201.75	0.00
11.10	0.00	4,437	201.75	0.00
11.20	0.00	4,437	201.75	0.00
11.30	0.00	4,437	201.75	0.00
11.40	0.00	4,437	201.75	0.00
11.50	0.00	4,437	201.75	0.00
11.60	0.00	4,437	201.75	0.00
11.70	0.00	4,437	201.75	0.00
11.80	0.00	4,437	201.75	0.00
11.90	0.00	4,437	201.75	0.00
12.00	0.00	4,437	201.75	0.00
12.10	0.00	4,437	201.75	0.00
12.20	0.00	4,437	201.75	0.00
12.30	0.00	4,437	201.75	0.00
12.40	0.00	4,437	201.75	0.00
12.50	0.00	4,437	201.75	0.00
12.60	0.00	4,437	201.75	0.00
12.70	0.00	4,437	201.75	0.00
12.80	0.00	4,437	201.75	0.00
12.90	0.00	4,437	201.75	0.00
13.00	0.00	4,437	201.75	0.00
13.10	0.00	4,437	201.75	0.00
13.20	0.00	4,437	201.75	0.00
13.30	0.00	4,437	201.75	0.00
13.40	0.00	4,437	201.75	0.00
13.50	0.00	4,437	201.75	0.00
13.60	0.00	4,437	201.75	0.00
13.70	0.00	4,437	201.75	0.00
13.80	0.00	4,437	201.75	0.00
13.90	0.00	4,437	201.75	0.00
14.00	0.00	4,437	201.75	0.00
14.10	0.00	4,437	201.75	0.00
14.20	0.00	4,437	201.75	0.00
14.30	0.00	4,437	201.75	0.00
14.40	0.00	4,437	201.75	0.00
14.50	0.00	4,437	201.75	0.00
14.60	0.00	4,437	201.75	0.00
14.70	0.00	4,437	201.75	0.00
14.80	0.00	4,437	201.75	0.00
14.90	0.00	4,437	201.75	0.00
15.00	0.00	4,437	201.75	0.00
15.10	0.00	4,437	201.75	0.00
15.20	0.00	4,437	201.75	0.00
15.30	0.00	4,437	201.75	0.00
15.40	0.00	4,437	201.75	0.00
15.50	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	4,437	201.75	0.00
15.70	0.00	4,437	201.75	0.00
15.80	0.00	4,437	201.75	0.00
15.90	0.00	4,437	201.75	0.00
16.00	0.00	4,437	201.75	0.00
16.10	0.00	4,437	201.75	0.00
16.20	0.00	4,437	201.75	0.00
16.30	0.00	4,437	201.75	0.00
16.40	0.00	4,437	201.75	0.00
16.50	0.00	4,437	201.75	0.00
16.60	0.00	4,437	201.75	0.00
16.70	0.00	4,437	201.75	0.00
16.80	0.00	4,437	201.75	0.00
16.90	0.00	4,437	201.75	0.00
17.00	0.00	4,437	201.75	0.00
17.10	0.00	4,437	201.75	0.00
17.20	0.00	4,437	201.75	0.00
17.30	0.00	4,437	201.75	0.00
17.40	0.00	4,437	201.75	0.00
17.50	0.00	4,437	201.75	0.00
17.60	0.00	4,437	201.75	0.00
17.70	0.00	4,437	201.75	0.00
17.80	0.00	4,437	201.75	0.00
17.90	0.00	4,437	201.75	0.00
18.00	0.00	4,437	201.75	0.00
18.10	0.00	4,437	201.75	0.00
18.20	0.00	4,437	201.75	0.00
18.30	0.00	4,437	201.75	0.00
18.40	0.00	4,437	201.75	0.00
18.50	0.00	4,437	201.75	0.00
18.60	0.00	4,437	201.75	0.00
18.70	0.00	4,437	201.75	0.00
18.80	0.00	4,437	201.75	0.00
18.90	0.00	4,437	201.75	0.00
19.00	0.00	4,437	201.75	0.00
19.10	0.00	4,437	201.75	0.00
19.20	0.00	4,437	201.75	0.00
19.30	0.00	4,437	201.75	0.00
19.40	0.00	4,437	201.75	0.00
19.50	0.00	4,437	201.75	0.00
19.60	0.00	4,437	201.75	0.00
19.70	0.00	4,437	201.75	0.00
19.80	0.00	4,437	201.75	0.00
19.90	0.00	4,437	201.75	0.00
20.00	0.00	4,437	201.75	0.00
20.10	0.00	4,437	201.75	0.00
20.20	0.00	4,437	201.75	0.00
20.30	0.00	4,437	201.75	0.00
20.40	0.00	4,437	201.75	0.00
20.50	0.00	4,437	201.75	0.00
20.60	0.00	4,437	201.75	0.00
20.70	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	4,437	201.75	0.00
20.90	0.00	4,437	201.75	0.00
21.00	0.00	4,437	201.75	0.00
21.10	0.00	4,437	201.75	0.00
21.20	0.00	4,437	201.75	0.00
21.30	0.00	4,437	201.75	0.00
21.40	0.00	4,437	201.75	0.00
21.50	0.00	4,437	201.75	0.00
21.60	0.00	4,437	201.75	0.00
21.70	0.00	4,437	201.75	0.00
21.80	0.00	4,437	201.75	0.00
21.90	0.00	4,437	201.75	0.00
22.00	0.00	4,437	201.75	0.00
22.10	0.00	4,437	201.75	0.00
22.20	0.00	4,437	201.75	0.00
22.30	0.00	4,437	201.75	0.00
22.40	0.00	4,437	201.75	0.00
22.50	0.00	4,437	201.75	0.00
22.60	0.00	4,437	201.75	0.00
22.70	0.00	4,437	201.75	0.00
22.80	0.00	4,437	201.75	0.00
22.90	0.00	4,437	201.75	0.00
23.00	0.00	4,437	201.75	0.00
23.10	0.00	4,437	201.75	0.00
23.20	0.00	4,437	201.75	0.00
23.30	0.00	4,437	201.75	0.00
23.40	0.00	4,437	201.75	0.00
23.50	0.00	4,437	201.75	0.00
23.60	0.00	4,437	201.75	0.00
23.70	0.00	4,437	201.75	0.00
23.80	0.00	4,437	201.75	0.00
23.90	0.00	4,437	201.75	0.00
24.00	0.00	4,437	201.75	0.00
24.10	0.00	4,437	201.75	0.00
24.20	0.00	4,437	201.75	0.00
24.30	0.00	4,437	201.75	0.00
24.40	0.00	4,437	201.75	0.00
24.50	0.00	4,437	201.75	0.00
24.60	0.00	4,437	201.75	0.00
24.70	0.00	4,437	201.75	0.00
24.80	0.00	4,437	201.75	0.00
24.90	0.00	4,437	201.75	0.00
25.00	0.00	4,437	201.75	0.00
25.10	0.00	4,437	201.75	0.00
25.20	0.00	4,437	201.75	0.00
25.30	0.00	4,437	201.75	0.00
25.40	0.00	4,437	201.75	0.00
25.50	0.00	4,437	201.75	0.00
25.60	0.00	4,437	201.75	0.00
25.70	0.00	4,437	201.75	0.00
25.80	0.00	4,437	201.75	0.00
25.90	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,437	201.75	0.00
26.10	0.00	4,437	201.75	0.00
26.20	0.00	4,437	201.75	0.00
26.30	0.00	4,437	201.75	0.00
26.40	0.00	4,437	201.75	0.00
26.50	0.00	4,437	201.75	0.00
26.60	0.00	4,437	201.75	0.00
26.70	0.00	4,437	201.75	0.00
26.80	0.00	4,437	201.75	0.00
26.90	0.00	4,437	201.75	0.00
27.00	0.00	4,437	201.75	0.00
27.10	0.00	4,437	201.75	0.00
27.20	0.00	4,437	201.75	0.00
27.30	0.00	4,437	201.75	0.00
27.40	0.00	4,437	201.75	0.00
27.50	0.00	4,437	201.75	0.00
27.60	0.00	4,437	201.75	0.00
27.70	0.00	4,437	201.75	0.00
27.80	0.00	4,437	201.75	0.00
27.90	0.00	4,437	201.75	0.00
28.00	0.00	4,437	201.75	0.00
28.10	0.00	4,437	201.75	0.00
28.20	0.00	4,437	201.75	0.00
28.30	0.00	4,437	201.75	0.00
28.40	0.00	4,437	201.75	0.00
28.50	0.00	4,437	201.75	0.00
28.60	0.00	4,437	201.75	0.00
28.70	0.00	4,437	201.75	0.00
28.80	0.00	4,437	201.75	0.00
28.90	0.00	4,437	201.75	0.00
29.00	0.00	4,437	201.75	0.00
29.10	0.00	4,437	201.75	0.00
29.20	0.00	4,437	201.75	0.00
29.30	0.00	4,437	201.75	0.00
29.40	0.00	4,437	201.75	0.00
29.50	0.00	4,437	201.75	0.00
29.60	0.00	4,437	201.75	0.00
29.70	0.00	4,437	201.75	0.00
29.80	0.00	4,437	201.75	0.00
29.90	0.00	4,437	201.75	0.00
30.00	0.00	4,437	201.75	0.00
30.10	0.00	4,437	201.75	0.00
30.20	0.00	4,437	201.75	0.00
30.30	0.00	4,437	201.75	0.00
30.40	0.00	4,437	201.75	0.00
30.50	0.00	4,437	201.75	0.00
30.60	0.00	4,437	201.75	0.00
30.70	0.00	4,437	201.75	0.00
30.80	0.00	4,437	201.75	0.00
30.90	0.00	4,437	201.75	0.00
31.00	0.00	4,437	201.75	0.00
31.10	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,437	201.75	0.00
31.30	0.00	4,437	201.75	0.00
31.40	0.00	4,437	201.75	0.00
31.50	0.00	4,437	201.75	0.00
31.60	0.00	4,437	201.75	0.00
31.70	0.00	4,437	201.75	0.00
31.80	0.00	4,437	201.75	0.00
31.90	0.00	4,437	201.75	0.00
32.00	0.00	4,437	201.75	0.00
32.10	0.00	4,437	201.75	0.00
32.20	0.00	4,437	201.75	0.00
32.30	0.00	4,437	201.75	0.00
32.40	0.00	4,437	201.75	0.00
32.50	0.00	4,437	201.75	0.00
32.60	0.00	4,437	201.75	0.00
32.70	0.00	4,437	201.75	0.00
32.80	0.00	4,437	201.75	0.00
32.90	0.00	4,437	201.75	0.00
33.00	0.00	4,437	201.75	0.00
33.10	0.00	4,437	201.75	0.00
33.20	0.00	4,437	201.75	0.00
33.30	0.00	4,437	201.75	0.00
33.40	0.00	4,437	201.75	0.00
33.50	0.00	4,437	201.75	0.00
33.60	0.00	4,437	201.75	0.00
33.70	0.00	4,437	201.75	0.00
33.80	0.00	4,437	201.75	0.00
33.90	0.00	4,437	201.75	0.00
34.00	0.00	4,437	201.75	0.00
34.10	0.00	4,437	201.75	0.00
34.20	0.00	4,437	201.75	0.00
34.30	0.00	4,437	201.75	0.00
34.40	0.00	4,437	201.75	0.00
34.50	0.00	4,437	201.75	0.00
34.60	0.00	4,437	201.75	0.00
34.70	0.00	4,437	201.75	0.00
34.80	0.00	4,437	201.75	0.00
34.90	0.00	4,437	201.75	0.00
35.00	0.00	4,437	201.75	0.00
35.10	0.00	4,437	201.75	0.00
35.20	0.00	4,437	201.75	0.00
35.30	0.00	4,437	201.75	0.00
35.40	0.00	4,437	201.75	0.00
35.50	0.00	4,437	201.75	0.00
35.60	0.00	4,437	201.75	0.00
35.70	0.00	4,437	201.75	0.00
35.80	0.00	4,437	201.75	0.00
35.90	0.00	4,437	201.75	0.00
36.00	0.00	4,437	201.75	0.00
36.10	0.00	4,437	201.75	0.00
36.20	0.00	4,437	201.75	0.00
36.30	0.00	4,437	201.75	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,437	201.75	0.00
36.50	0.00	4,437	201.75	0.00
36.60	0.00	4,437	201.75	0.00
36.70	0.00	4,437	201.75	0.00
36.80	0.00	4,437	201.75	0.00
36.90	0.00	4,437	201.75	0.00
37.00	0.00	4,437	201.75	0.00
37.10	0.00	4,437	201.75	0.00
37.20	0.00	4,437	201.75	0.00
37.30	0.00	4,437	201.75	0.00
37.40	0.00	4,437	201.75	0.00
37.50	0.00	4,437	201.75	0.00
37.60	0.00	4,437	201.75	0.00
37.70	0.00	4,437	201.75	0.00
37.80	0.00	4,437	201.75	0.00
37.90	0.00	4,437	201.75	0.00
38.00	0.00	4,437	201.75	0.00
38.10	0.00	4,437	201.75	0.00
38.20	0.00	4,437	201.75	0.00
38.30	0.00	4,437	201.75	0.00
38.40	0.00	4,437	201.75	0.00
38.50	0.00	4,437	201.75	0.00
38.60	0.00	4,437	201.75	0.00
38.70	0.00	4,437	201.75	0.00
38.80	0.00	4,437	201.75	0.00
38.90	0.00	4,437	201.75	0.00
39.00	0.00	4,437	201.75	0.00
39.10	0.00	4,437	201.75	0.00
39.20	0.00	4,437	201.75	0.00
39.30	0.00	4,437	201.75	0.00
39.40	0.00	4,437	201.75	0.00
39.50	0.00	4,437	201.75	0.00
39.60	0.00	4,437	201.75	0.00
39.70	0.00	4,437	201.75	0.00
39.80	0.00	4,437	201.75	0.00
39.90	0.00	4,437	201.75	0.00
40.00	0.00	4,437	201.75	0.00

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0	201.52	5,928	3,083
201.01	5,928	59	201.53	5,928	3,142
201.02	5,928	119	201.54	5,928	3,201
201.03	5,928	178	201.55	5,928	3,260
201.04	5,928	237	201.56	5,928	3,320
201.05	5,928	296	201.57	5,928	3,379
201.06	5,928	356	201.58	5,928	3,438
201.07	5,928	415	201.59	5,928	3,498
201.08	5,928	474	201.60	5,928	3,557
201.09	5,928	534	201.61	5,928	3,616
201.10	5,928	593	201.62	5,928	3,675
201.11	5,928	652	201.63	5,928	3,735
201.12	5,928	711	201.64	5,928	3,794
201.13	5,928	771	201.65	5,928	3,853
201.14	5,928	830	201.66	5,928	3,912
201.15	5,928	889	201.67	5,928	3,972
201.16	5,928	948	201.68	5,928	4,031
201.17	5,928	1,008	201.69	5,928	4,090
201.18	5,928	1,067	201.70	5,928	4,150
201.19	5,928	1,126	201.71	5,928	4,209
201.20	5,928	1,186	201.72	5,928	4,268
201.21	5,928	1,245	201.73	5,928	4,327
201.22	5,928	1,304	201.74	5,928	4,387
201.23	5,928	1,363	201.75	5,928	4,446
201.24	5,928	1,423	201.76	5,928	4,505
201.25	5,928	1,482	201.77	5,928	4,565
201.26	5,928	1,541	201.78	5,928	4,624
201.27	5,928	1,601	201.79	5,928	4,683
201.28	5,928	1,660	201.80	5,928	4,742
201.29	5,928	1,719	201.81	5,928	4,802
201.30	5,928	1,778	201.82	5,928	4,861
201.31	5,928	1,838	201.83	5,928	4,920
201.32	5,928	1,897	201.84	5,928	4,980
201.33	5,928	1,956	201.85	5,928	5,039
201.34	5,928	2,016	201.86	5,928	5,098
201.35	5,928	2,075	201.87	5,928	5,157
201.36	5,928	2,134	201.88	5,928	5,217
201.37	5,928	2,193	201.89	5,928	5,276
201.38	5,928	2,253	201.90	5,928	5,335
201.39	5,928	2,312	201.91	5,928	5,394
201.40	5,928	2,371	201.92	5,928	5,454
201.41	5,928	2,430	201.93	5,928	5,513
201.42	5,928	2,490	201.94	5,928	5,572
201.43	5,928	2,549	201.95	5,928	5,632
201.44	5,928	2,608	201.96	5,928	5,691
201.45	5,928	2,668	201.97	5,928	5,750
201.46	5,928	2,727	201.98	5,928	5,809
201.47	5,928	2,786	201.99	5,928	5,869
201.48	5,928	2,845	202.00	5,928	5,928
201.49	5,928	2,905	202.01	5,928	5,987
201.50	5,928	2,964	202.02	5,928	6,047
201.51	5,928	3,023	202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 0.67" for WQ Storm event
Inflow = 4.45 cfs @ 1.08 hrs, Volume= 0.132 af
Outflow = 0.00 cfs @ 2.37 hrs, Volume= 0.000 af, Atten= 100%, Lag= 77.1 min
Primary = 0.00 cfs @ 2.37 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.52' @ 2.37 hrs Surf.Area= 10,996 sf Storage= 5,746 cf

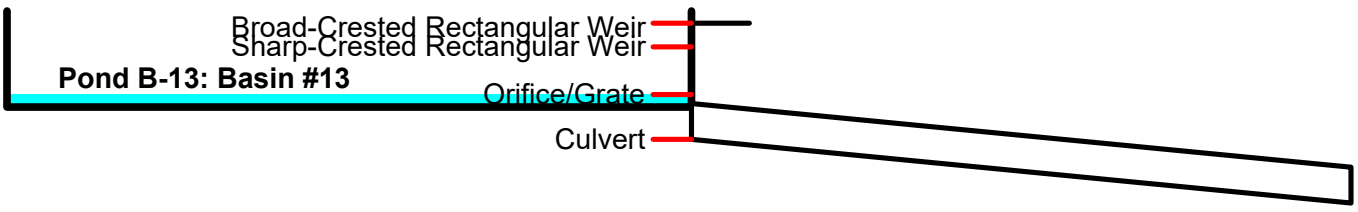
Plug-Flow detention time= 1,055.5 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 1,012.6 min (1,082.4 - 69.9)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

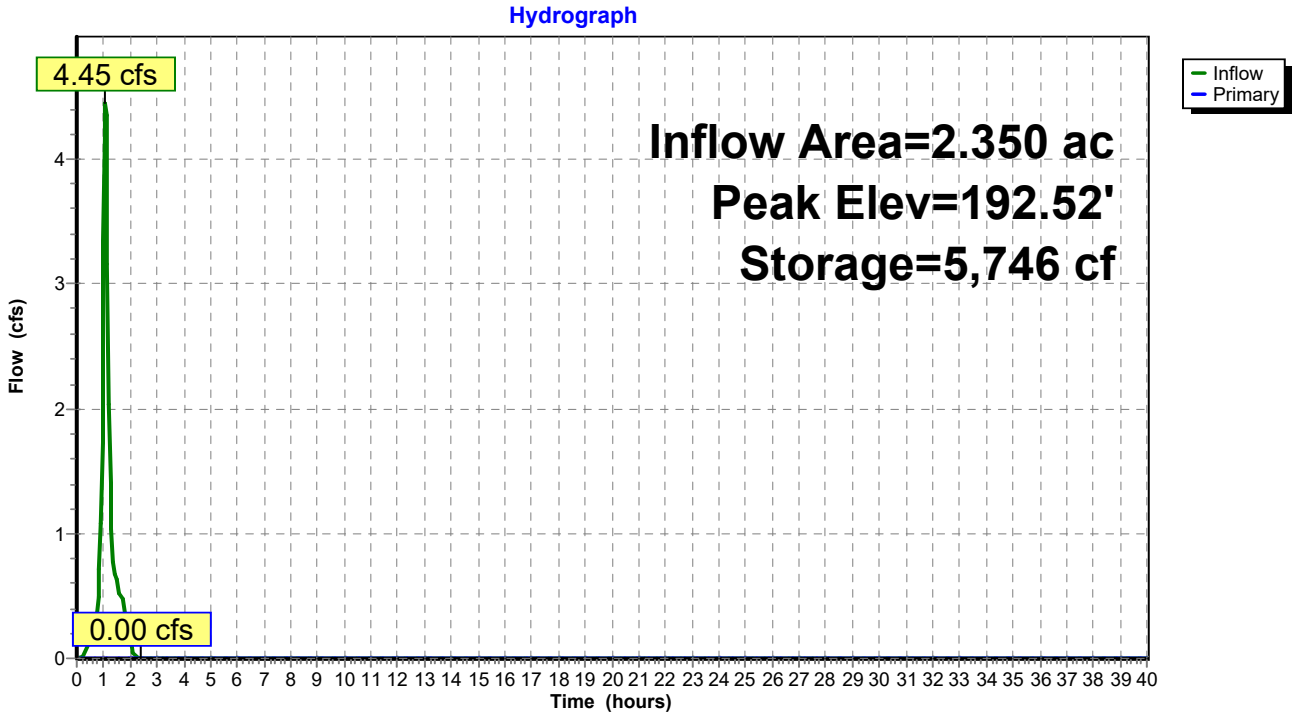
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.37 hrs HW=192.52' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 9.01 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.17 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.04	4	192.00	0.00
0.50	0.13	34	192.00	0.00
0.60	0.25	101	192.01	0.00
0.70	0.34	208	192.02	0.00
0.80	0.49	351	192.03	0.00
0.90	1.08	620	192.06	0.00
1.00	3.34	1,328	192.12	0.00
1.10	**4.36**	2,772	192.25	0.00
1.20	2.03	3,914	192.36	0.00
1.30	1.04	4,442	192.40	0.00
1.40	0.67	4,735	192.43	0.00
1.50	0.64	4,970	192.45	0.00
1.60	0.53	5,183	192.47	0.00
1.70	0.50	5,365	192.49	0.00
1.80	0.41	5,535	192.50	0.00
1.90	0.19	5,634	192.51	0.00
2.00	0.17	5,698	192.52	0.00
2.10	0.04	5,739	192.52	0.00
2.20	0.00	5,745	192.52	0.00
2.30	0.00	**5,745**	**192.52**	**0.00**
2.40	0.00	**5,746**	**192.52**	**0.00**
2.50	0.00	5,745	192.52	0.00
2.60	0.00	5,745	192.52	0.00
2.70	0.00	5,745	192.52	0.00
2.80	0.00	5,745	192.52	0.00
2.90	0.00	5,745	192.52	0.00
3.00	0.00	5,745	192.52	0.00
3.10	0.00	5,745	192.52	0.00
3.20	0.00	5,745	192.52	0.00
3.30	0.00	5,745	192.52	0.00
3.40	0.00	5,745	192.52	0.00
3.50	0.00	5,745	192.52	0.00
3.60	0.00	5,745	192.52	0.00
3.70	0.00	5,745	192.52	0.00
3.80	0.00	5,745	192.52	0.00
3.90	0.00	5,744	192.52	0.00
4.00	0.00	5,744	192.52	0.00
4.10	0.00	5,744	192.52	0.00
4.20	0.00	5,744	192.52	0.00
4.30	0.00	5,744	192.52	0.00
4.40	0.00	5,744	192.52	0.00
4.50	0.00	5,744	192.52	0.00
4.60	0.00	5,744	192.52	0.00
4.70	0.00	5,744	192.52	0.00
4.80	0.00	5,744	192.52	0.00
4.90	0.00	5,744	192.52	0.00
5.00	0.00	5,744	192.52	0.00
5.10	0.00	5,744	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,744	192.52	0.00
5.30	0.00	5,744	192.52	0.00
5.40	0.00	5,743	192.52	0.00
5.50	0.00	5,743	192.52	0.00
5.60	0.00	5,743	192.52	0.00
5.70	0.00	5,743	192.52	0.00
5.80	0.00	5,743	192.52	0.00
5.90	0.00	5,743	192.52	0.00
6.00	0.00	5,743	192.52	0.00
6.10	0.00	5,743	192.52	0.00
6.20	0.00	5,743	192.52	0.00
6.30	0.00	5,743	192.52	0.00
6.40	0.00	5,743	192.52	0.00
6.50	0.00	5,743	192.52	0.00
6.60	0.00	5,743	192.52	0.00
6.70	0.00	5,743	192.52	0.00
6.80	0.00	5,743	192.52	0.00
6.90	0.00	5,743	192.52	0.00
7.00	0.00	5,742	192.52	0.00
7.10	0.00	5,742	192.52	0.00
7.20	0.00	5,742	192.52	0.00
7.30	0.00	5,742	192.52	0.00
7.40	0.00	5,742	192.52	0.00
7.50	0.00	5,742	192.52	0.00
7.60	0.00	5,742	192.52	0.00
7.70	0.00	5,742	192.52	0.00
7.80	0.00	5,742	192.52	0.00
7.90	0.00	5,742	192.52	0.00
8.00	0.00	5,742	192.52	0.00
8.10	0.00	5,742	192.52	0.00
8.20	0.00	5,742	192.52	0.00
8.30	0.00	5,742	192.52	0.00
8.40	0.00	5,742	192.52	0.00
8.50	0.00	5,742	192.52	0.00
8.60	0.00	5,741	192.52	0.00
8.70	0.00	5,741	192.52	0.00
8.80	0.00	5,741	192.52	0.00
8.90	0.00	5,741	192.52	0.00
9.00	0.00	5,741	192.52	0.00
9.10	0.00	5,741	192.52	0.00
9.20	0.00	5,741	192.52	0.00
9.30	0.00	5,741	192.52	0.00
9.40	0.00	5,741	192.52	0.00
9.50	0.00	5,741	192.52	0.00
9.60	0.00	5,741	192.52	0.00
9.70	0.00	5,741	192.52	0.00
9.80	0.00	5,741	192.52	0.00
9.90	0.00	5,741	192.52	0.00
10.00	0.00	5,741	192.52	0.00
10.10	0.00	5,741	192.52	0.00
10.20	0.00	5,741	192.52	0.00
10.30	0.00	5,740	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,740	192.52	0.00
10.50	0.00	5,740	192.52	0.00
10.60	0.00	5,740	192.52	0.00
10.70	0.00	5,740	192.52	0.00
10.80	0.00	5,740	192.52	0.00
10.90	0.00	5,740	192.52	0.00
11.00	0.00	5,740	192.52	0.00
11.10	0.00	5,740	192.52	0.00
11.20	0.00	5,740	192.52	0.00
11.30	0.00	5,740	192.52	0.00
11.40	0.00	5,740	192.52	0.00
11.50	0.00	5,740	192.52	0.00
11.60	0.00	5,740	192.52	0.00
11.70	0.00	5,740	192.52	0.00
11.80	0.00	5,740	192.52	0.00
11.90	0.00	5,740	192.52	0.00
12.00	0.00	5,740	192.52	0.00
12.10	0.00	5,739	192.52	0.00
12.20	0.00	5,739	192.52	0.00
12.30	0.00	5,739	192.52	0.00
12.40	0.00	5,739	192.52	0.00
12.50	0.00	5,739	192.52	0.00
12.60	0.00	5,739	192.52	0.00
12.70	0.00	5,739	192.52	0.00
12.80	0.00	5,739	192.52	0.00
12.90	0.00	5,739	192.52	0.00
13.00	0.00	5,739	192.52	0.00
13.10	0.00	5,739	192.52	0.00
13.20	0.00	5,739	192.52	0.00
13.30	0.00	5,739	192.52	0.00
13.40	0.00	5,739	192.52	0.00
13.50	0.00	5,739	192.52	0.00
13.60	0.00	5,739	192.52	0.00
13.70	0.00	5,739	192.52	0.00
13.80	0.00	5,739	192.52	0.00
13.90	0.00	5,739	192.52	0.00
14.00	0.00	5,738	192.52	0.00
14.10	0.00	5,738	192.52	0.00
14.20	0.00	5,738	192.52	0.00
14.30	0.00	5,738	192.52	0.00
14.40	0.00	5,738	192.52	0.00
14.50	0.00	5,738	192.52	0.00
14.60	0.00	5,738	192.52	0.00
14.70	0.00	5,738	192.52	0.00
14.80	0.00	5,738	192.52	0.00
14.90	0.00	5,738	192.52	0.00
15.00	0.00	5,738	192.52	0.00
15.10	0.00	5,738	192.52	0.00
15.20	0.00	5,738	192.52	0.00
15.30	0.00	5,738	192.52	0.00
15.40	0.00	5,738	192.52	0.00
15.50	0.00	5,738	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,738	192.52	0.00
15.70	0.00	5,738	192.52	0.00
15.80	0.00	5,738	192.52	0.00
15.90	0.00	5,737	192.52	0.00
16.00	0.00	5,737	192.52	0.00
16.10	0.00	5,737	192.52	0.00
16.20	0.00	5,737	192.52	0.00
16.30	0.00	5,737	192.52	0.00
16.40	0.00	5,737	192.52	0.00
16.50	0.00	5,737	192.52	0.00
16.60	0.00	5,737	192.52	0.00
16.70	0.00	5,737	192.52	0.00
16.80	0.00	5,737	192.52	0.00
16.90	0.00	5,737	192.52	0.00
17.00	0.00	5,737	192.52	0.00
17.10	0.00	5,737	192.52	0.00
17.20	0.00	5,737	192.52	0.00
17.30	0.00	5,737	192.52	0.00
17.40	0.00	5,737	192.52	0.00
17.50	0.00	5,737	192.52	0.00
17.60	0.00	5,737	192.52	0.00
17.70	0.00	5,737	192.52	0.00
17.80	0.00	5,737	192.52	0.00
17.90	0.00	5,737	192.52	0.00
18.00	0.00	5,736	192.52	0.00
18.10	0.00	5,736	192.52	0.00
18.20	0.00	5,736	192.52	0.00
18.30	0.00	5,736	192.52	0.00
18.40	0.00	5,736	192.52	0.00
18.50	0.00	5,736	192.52	0.00
18.60	0.00	5,736	192.52	0.00
18.70	0.00	5,736	192.52	0.00
18.80	0.00	5,736	192.52	0.00
18.90	0.00	5,736	192.52	0.00
19.00	0.00	5,736	192.52	0.00
19.10	0.00	5,736	192.52	0.00
19.20	0.00	5,736	192.52	0.00
19.30	0.00	5,736	192.52	0.00
19.40	0.00	5,736	192.52	0.00
19.50	0.00	5,736	192.52	0.00
19.60	0.00	5,736	192.52	0.00
19.70	0.00	5,736	192.52	0.00
19.80	0.00	5,736	192.52	0.00
19.90	0.00	5,736	192.52	0.00
20.00	0.00	5,736	192.52	0.00
20.10	0.00	5,735	192.52	0.00
20.20	0.00	5,735	192.52	0.00
20.30	0.00	5,735	192.52	0.00
20.40	0.00	5,735	192.52	0.00
20.50	0.00	5,735	192.52	0.00
20.60	0.00	5,735	192.52	0.00
20.70	0.00	5,735	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,735	192.52	0.00
20.90	0.00	5,735	192.52	0.00
21.00	0.00	5,735	192.52	0.00
21.10	0.00	5,735	192.52	0.00
21.20	0.00	5,735	192.52	0.00
21.30	0.00	5,735	192.52	0.00
21.40	0.00	5,735	192.52	0.00
21.50	0.00	5,735	192.52	0.00
21.60	0.00	5,735	192.52	0.00
21.70	0.00	5,735	192.52	0.00
21.80	0.00	5,735	192.52	0.00
21.90	0.00	5,735	192.52	0.00
22.00	0.00	5,735	192.52	0.00
22.10	0.00	5,735	192.52	0.00
22.20	0.00	5,735	192.52	0.00
22.30	0.00	5,735	192.52	0.00
22.40	0.00	5,734	192.52	0.00
22.50	0.00	5,734	192.52	0.00
22.60	0.00	5,734	192.52	0.00
22.70	0.00	5,734	192.52	0.00
22.80	0.00	5,734	192.52	0.00
22.90	0.00	5,734	192.52	0.00
23.00	0.00	5,734	192.52	0.00
23.10	0.00	5,734	192.52	0.00
23.20	0.00	5,734	192.52	0.00
23.30	0.00	5,734	192.52	0.00
23.40	0.00	5,734	192.52	0.00
23.50	0.00	5,734	192.52	0.00
23.60	0.00	5,734	192.52	0.00
23.70	0.00	5,734	192.52	0.00
23.80	0.00	5,734	192.52	0.00
23.90	0.00	5,734	192.52	0.00
24.00	0.00	5,734	192.52	0.00
24.10	0.00	5,734	192.52	0.00
24.20	0.00	5,734	192.52	0.00
24.30	0.00	5,734	192.52	0.00
24.40	0.00	5,734	192.52	0.00
24.50	0.00	5,734	192.52	0.00
24.60	0.00	5,734	192.52	0.00
24.70	0.00	5,734	192.52	0.00
24.80	0.00	5,734	192.52	0.00
24.90	0.00	5,733	192.52	0.00
25.00	0.00	5,733	192.52	0.00
25.10	0.00	5,733	192.52	0.00
25.20	0.00	5,733	192.52	0.00
25.30	0.00	5,733	192.52	0.00
25.40	0.00	5,733	192.52	0.00
25.50	0.00	5,733	192.52	0.00
25.60	0.00	5,733	192.52	0.00
25.70	0.00	5,733	192.52	0.00
25.80	0.00	5,733	192.52	0.00
25.90	0.00	5,733	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,733	192.52	0.00
26.10	0.00	5,733	192.52	0.00
26.20	0.00	5,733	192.52	0.00
26.30	0.00	5,733	192.52	0.00
26.40	0.00	5,733	192.52	0.00
26.50	0.00	5,733	192.52	0.00
26.60	0.00	5,733	192.52	0.00
26.70	0.00	5,733	192.52	0.00
26.80	0.00	5,733	192.52	0.00
26.90	0.00	5,733	192.52	0.00
27.00	0.00	5,733	192.52	0.00
27.10	0.00	5,733	192.52	0.00
27.20	0.00	5,733	192.52	0.00
27.30	0.00	5,733	192.52	0.00
27.40	0.00	5,733	192.52	0.00
27.50	0.00	5,732	192.52	0.00
27.60	0.00	5,732	192.52	0.00
27.70	0.00	5,732	192.52	0.00
27.80	0.00	5,732	192.52	0.00
27.90	0.00	5,732	192.52	0.00
28.00	0.00	5,732	192.52	0.00
28.10	0.00	5,732	192.52	0.00
28.20	0.00	5,732	192.52	0.00
28.30	0.00	5,732	192.52	0.00
28.40	0.00	5,732	192.52	0.00
28.50	0.00	5,732	192.52	0.00
28.60	0.00	5,732	192.52	0.00
28.70	0.00	5,732	192.52	0.00
28.80	0.00	5,732	192.52	0.00
28.90	0.00	5,732	192.52	0.00
29.00	0.00	5,732	192.52	0.00
29.10	0.00	5,732	192.52	0.00
29.20	0.00	5,732	192.52	0.00
29.30	0.00	5,732	192.52	0.00
29.40	0.00	5,732	192.52	0.00
29.50	0.00	5,732	192.52	0.00
29.60	0.00	5,732	192.52	0.00
29.70	0.00	5,732	192.52	0.00
29.80	0.00	5,732	192.52	0.00
29.90	0.00	5,732	192.52	0.00
30.00	0.00	5,732	192.52	0.00
30.10	0.00	5,732	192.52	0.00
30.20	0.00	5,731	192.52	0.00
30.30	0.00	5,731	192.52	0.00
30.40	0.00	5,731	192.52	0.00
30.50	0.00	5,731	192.52	0.00
30.60	0.00	5,731	192.52	0.00
30.70	0.00	5,731	192.52	0.00
30.80	0.00	5,731	192.52	0.00
30.90	0.00	5,731	192.52	0.00
31.00	0.00	5,731	192.52	0.00
31.10	0.00	5,731	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,731	192.52	0.00
31.30	0.00	5,731	192.52	0.00
31.40	0.00	5,731	192.52	0.00
31.50	0.00	5,731	192.52	0.00
31.60	0.00	5,731	192.52	0.00
31.70	0.00	5,731	192.52	0.00
31.80	0.00	5,731	192.52	0.00
31.90	0.00	5,731	192.52	0.00
32.00	0.00	5,731	192.52	0.00
32.10	0.00	5,731	192.52	0.00
32.20	0.00	5,731	192.52	0.00
32.30	0.00	5,731	192.52	0.00
32.40	0.00	5,731	192.52	0.00
32.50	0.00	5,731	192.52	0.00
32.60	0.00	5,731	192.52	0.00
32.70	0.00	5,731	192.52	0.00
32.80	0.00	5,731	192.52	0.00
32.90	0.00	5,731	192.52	0.00
33.00	0.00	5,731	192.52	0.00
33.10	0.00	5,731	192.52	0.00
33.20	0.00	5,730	192.52	0.00
33.30	0.00	5,730	192.52	0.00
33.40	0.00	5,730	192.52	0.00
33.50	0.00	5,730	192.52	0.00
33.60	0.00	5,730	192.52	0.00
33.70	0.00	5,730	192.52	0.00
33.80	0.00	5,730	192.52	0.00
33.90	0.00	5,730	192.52	0.00
34.00	0.00	5,730	192.52	0.00
34.10	0.00	5,730	192.52	0.00
34.20	0.00	5,730	192.52	0.00
34.30	0.00	5,730	192.52	0.00
34.40	0.00	5,730	192.52	0.00
34.50	0.00	5,730	192.52	0.00
34.60	0.00	5,730	192.52	0.00
34.70	0.00	5,730	192.52	0.00
34.80	0.00	5,730	192.52	0.00
34.90	0.00	5,730	192.52	0.00
35.00	0.00	5,730	192.52	0.00
35.10	0.00	5,730	192.52	0.00
35.20	0.00	5,730	192.52	0.00
35.30	0.00	5,730	192.52	0.00
35.40	0.00	5,730	192.52	0.00
35.50	0.00	5,730	192.52	0.00
35.60	0.00	5,730	192.52	0.00
35.70	0.00	5,730	192.52	0.00
35.80	0.00	5,730	192.52	0.00
35.90	0.00	5,730	192.52	0.00
36.00	0.00	5,730	192.52	0.00
36.10	0.00	5,730	192.52	0.00
36.20	0.00	5,730	192.52	0.00
36.30	0.00	5,730	192.52	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,730	192.52	0.00
36.50	0.00	5,729	192.52	0.00
36.60	0.00	5,729	192.52	0.00
36.70	0.00	5,729	192.52	0.00
36.80	0.00	5,729	192.52	0.00
36.90	0.00	5,729	192.52	0.00
37.00	0.00	5,729	192.52	0.00
37.10	0.00	5,729	192.52	0.00
37.20	0.00	5,729	192.52	0.00
37.30	0.00	5,729	192.52	0.00
37.40	0.00	5,729	192.52	0.00
37.50	0.00	5,729	192.52	0.00
37.60	0.00	5,729	192.52	0.00
37.70	0.00	5,729	192.52	0.00
37.80	0.00	5,729	192.52	0.00
37.90	0.00	5,729	192.52	0.00
38.00	0.00	5,729	192.52	0.00
38.10	0.00	5,729	192.52	0.00
38.20	0.00	5,729	192.52	0.00
38.30	0.00	5,729	192.52	0.00
38.40	0.00	5,729	192.52	0.00
38.50	0.00	5,729	192.52	0.00
38.60	0.00	5,729	192.52	0.00
38.70	0.00	5,729	192.52	0.00
38.80	0.00	5,729	192.52	0.00
38.90	0.00	5,729	192.52	0.00
39.00	0.00	5,729	192.52	0.00
39.10	0.00	5,729	192.52	0.00
39.20	0.00	5,729	192.52	0.00
39.30	0.00	5,729	192.52	0.00
39.40	0.00	5,729	192.52	0.00
39.50	0.00	5,729	192.52	0.00
39.60	0.00	5,729	192.52	0.00
39.70	0.00	5,729	192.52	0.00
39.80	0.00	5,729	192.52	0.00
39.90	0.00	5,729	192.52	0.00
40.00	0.00	5,728	192.52	0.00

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0	192.52	10,996	5,718
192.01	10,996	110	192.53	10,996	5,828
192.02	10,996	220	192.54	10,996	5,938
192.03	10,996	330	192.55	10,996	6,048
192.04	10,996	440	192.56	10,996	6,158
192.05	10,996	550	192.57	10,996	6,268
192.06	10,996	660	192.58	10,996	6,378
192.07	10,996	770	192.59	10,996	6,488
192.08	10,996	880	192.60	10,996	6,598
192.09	10,996	990	192.61	10,996	6,708
192.10	10,996	1,100	192.62	10,996	6,818
192.11	10,996	1,210	192.63	10,996	6,927
192.12	10,996	1,320	192.64	10,996	7,037
192.13	10,996	1,429	192.65	10,996	7,147
192.14	10,996	1,539	192.66	10,996	7,257
192.15	10,996	1,649	192.67	10,996	7,367
192.16	10,996	1,759	192.68	10,996	7,477
192.17	10,996	1,869	192.69	10,996	7,587
192.18	10,996	1,979	192.70	10,996	7,697
192.19	10,996	2,089	192.71	10,996	7,807
192.20	10,996	2,199	192.72	10,996	7,917
192.21	10,996	2,309	192.73	10,996	8,027
192.22	10,996	2,419	192.74	10,996	8,137
192.23	10,996	2,529	192.75	10,996	8,247
192.24	10,996	2,639	192.76	10,996	8,357
192.25	10,996	2,749	192.77	10,996	8,467
192.26	10,996	2,859	192.78	10,996	8,577
192.27	10,996	2,969	192.79	10,996	8,687
192.28	10,996	3,079	192.80	10,996	8,797
192.29	10,996	3,189	192.81	10,996	8,907
192.30	10,996	3,299	192.82	10,996	9,017
192.31	10,996	3,409	192.83	10,996	9,127
192.32	10,996	3,519	192.84	10,996	9,237
192.33	10,996	3,629	192.85	10,996	9,347
192.34	10,996	3,739	192.86	10,996	9,457
192.35	10,996	3,849	192.87	10,996	9,567
192.36	10,996	3,959	192.88	10,996	9,676
192.37	10,996	4,069	192.89	10,996	9,786
192.38	10,996	4,178	192.90	10,996	9,896
192.39	10,996	4,288	192.91	10,996	10,006
192.40	10,996	4,398	192.92	10,996	10,116
192.41	10,996	4,508	192.93	10,996	10,226
192.42	10,996	4,618	192.94	10,996	10,336
192.43	10,996	4,728	192.95	10,996	10,446
192.44	10,996	4,838	192.96	10,996	10,556
192.45	10,996	4,948	192.97	10,996	10,666
192.46	10,996	5,058	192.98	10,996	10,776
192.47	10,996	5,168	192.99	10,996	10,886
192.48	10,996	5,278	193.00	10,996	10,996
192.49	10,996	5,388	193.01	10,996	11,106
192.50	10,996	5,498	193.02	10,996	11,216
192.51	10,996	5,608	193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872	194.60	10,996	28,590
194.09	10,996	22,982	194.61	10,996	28,700
194.10	10,996	23,092	194.62	10,996	28,810
194.11	10,996	23,202	194.63	10,996	28,919
194.12	10,996	23,312	194.64	10,996	29,029
194.13	10,996	23,421	194.65	10,996	29,139
194.14	10,996	23,531	194.66	10,996	29,249
194.15	10,996	23,641	194.67	10,996	29,359
194.16	10,996	23,751	194.68	10,996	29,469
194.17	10,996	23,861	194.69	10,996	29,579
194.18	10,996	23,971	194.70	10,996	29,689
194.19	10,996	24,081	194.71	10,996	29,799
194.20	10,996	24,191	194.72	10,996	29,909
194.21	10,996	24,301	194.73	10,996	30,019
194.22	10,996	24,411	194.74	10,996	30,129
194.23	10,996	24,521	194.75	10,996	30,239
194.24	10,996	24,631	194.76	10,996	30,349
194.25	10,996	24,741	194.77	10,996	30,459
194.26	10,996	24,851	194.78	10,996	30,569
194.27	10,996	24,961	194.79	10,996	30,679
194.28	10,996	25,071	194.80	10,996	30,789
194.29	10,996	25,181	194.81	10,996	30,899
194.30	10,996	25,291	194.82	10,996	31,009
194.31	10,996	25,401	194.83	10,996	31,119
194.32	10,996	25,511	194.84	10,996	31,229
194.33	10,996	25,621	194.85	10,996	31,339
194.34	10,996	25,731	194.86	10,996	31,449
194.35	10,996	25,841	194.87	10,996	31,559
194.36	10,996	25,951	194.88	10,996	31,668
194.37	10,996	26,061	194.89	10,996	31,778
194.38	10,996	26,170	194.90	10,996	31,888
194.39	10,996	26,280	194.91	10,996	31,998
194.40	10,996	26,390	194.92	10,996	32,108
194.41	10,996	26,500	194.93	10,996	32,218
194.42	10,996	26,610	194.94	10,996	32,328
194.43	10,996	26,720	194.95	10,996	32,438
194.44	10,996	26,830	194.96	10,996	32,548
194.45	10,996	26,940	194.97	10,996	32,658
194.46	10,996	27,050	194.98	10,996	32,768
194.47	10,996	27,160	194.99	10,996	32,878
194.48	10,996	27,270	195.00	10,996	32,988
194.49	10,996	27,380	195.01	10,996	33,098
194.50	10,996	27,490	195.02	10,996	33,208
194.51	10,996	27,600	195.03	10,996	33,318
194.52	10,996	27,710	195.04	10,996	33,428
194.53	10,996	27,820	195.05	10,996	33,538
194.54	10,996	27,930	195.06	10,996	33,648
194.55	10,996	28,040	195.07	10,996	33,758
194.56	10,996	28,150	195.08	10,996	33,868
194.57	10,996	28,260	195.09	10,996	33,978
194.58	10,996	28,370	195.10	10,996	34,088
194.59	10,996	28,480	195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 0.30" for WQ Storm event
Inflow = 1.60 cfs @ 1.08 hrs, Volume= 0.054 af
Outflow = 0.00 cfs @ 2.25 hrs, Volume= 0.000 af, Atten= 100%, Lag= 70.5 min
Primary = 0.00 cfs @ 2.25 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.26' @ 2.25 hrs Surf.Area= 8,960 sf Storage= 2,347 cf

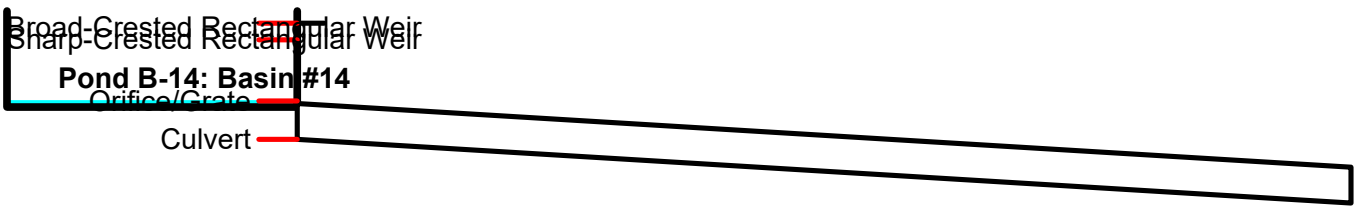
Plug-Flow detention time= 1,122.0 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 1,075.5 min (1,146.5 - 71.1)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

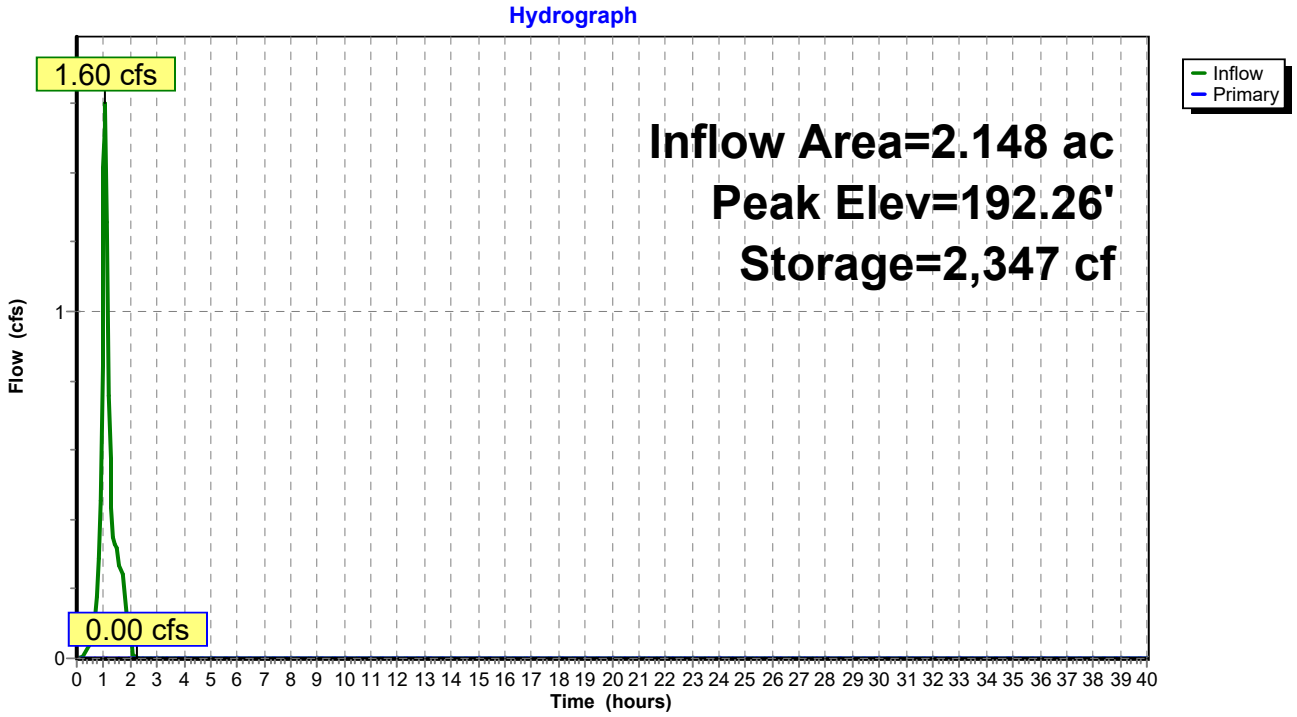
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.25 hrs HW=192.26' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 7.90 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.02	3	192.00	0.00
0.50	0.05	16	192.00	0.00
0.60	0.10	44	192.00	0.00
0.70	0.12	84	192.01	0.00
0.80	0.21	139	192.02	0.00
0.90	0.46	252	192.03	0.00
1.00	1.42	572	192.06	0.00
1.10	**1.54**	1,114	192.12	0.00
1.20	0.76	1,498	192.17	0.00
1.30	0.44	1,709	192.19	0.00
1.40	0.33	1,840	192.21	0.00
1.50	0.33	1,958	192.22	0.00
1.60	0.27	2,065	192.23	0.00
1.70	0.26	2,160	192.24	0.00
1.80	0.19	2,247	192.25	0.00
1.90	0.10	2,294	192.26	0.00
2.00	0.09	2,327	192.26	0.00
2.10	0.01	2,345	192.26	0.00
2.20	0.00	**2,347**	**192.26**	**0.00**
2.30	0.00	**2,347**	**192.26**	**0.00**
2.40	0.00	2,347	192.26	0.00
2.50	0.00	2,347	192.26	0.00
2.60	0.00	2,347	192.26	0.00
2.70	0.00	2,347	192.26	0.00
2.80	0.00	2,347	192.26	0.00
2.90	0.00	2,347	192.26	0.00
3.00	0.00	2,347	192.26	0.00
3.10	0.00	2,347	192.26	0.00
3.20	0.00	2,347	192.26	0.00
3.30	0.00	2,347	192.26	0.00
3.40	0.00	2,347	192.26	0.00
3.50	0.00	2,347	192.26	0.00
3.60	0.00	2,346	192.26	0.00
3.70	0.00	2,346	192.26	0.00
3.80	0.00	2,346	192.26	0.00
3.90	0.00	2,346	192.26	0.00
4.00	0.00	2,346	192.26	0.00
4.10	0.00	2,346	192.26	0.00
4.20	0.00	2,346	192.26	0.00
4.30	0.00	2,346	192.26	0.00
4.40	0.00	2,346	192.26	0.00
4.50	0.00	2,346	192.26	0.00
4.60	0.00	2,346	192.26	0.00
4.70	0.00	2,346	192.26	0.00
4.80	0.00	2,346	192.26	0.00
4.90	0.00	2,346	192.26	0.00
5.00	0.00	2,346	192.26	0.00
5.10	0.00	2,346	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,346	192.26	0.00
5.30	0.00	2,346	192.26	0.00
5.40	0.00	2,346	192.26	0.00
5.50	0.00	2,346	192.26	0.00
5.60	0.00	2,346	192.26	0.00
5.70	0.00	2,346	192.26	0.00
5.80	0.00	2,346	192.26	0.00
5.90	0.00	2,346	192.26	0.00
6.00	0.00	2,346	192.26	0.00
6.10	0.00	2,346	192.26	0.00
6.20	0.00	2,346	192.26	0.00
6.30	0.00	2,346	192.26	0.00
6.40	0.00	2,346	192.26	0.00
6.50	0.00	2,346	192.26	0.00
6.60	0.00	2,346	192.26	0.00
6.70	0.00	2,346	192.26	0.00
6.80	0.00	2,346	192.26	0.00
6.90	0.00	2,346	192.26	0.00
7.00	0.00	2,346	192.26	0.00
7.10	0.00	2,346	192.26	0.00
7.20	0.00	2,346	192.26	0.00
7.30	0.00	2,346	192.26	0.00
7.40	0.00	2,345	192.26	0.00
7.50	0.00	2,345	192.26	0.00
7.60	0.00	2,345	192.26	0.00
7.70	0.00	2,345	192.26	0.00
7.80	0.00	2,345	192.26	0.00
7.90	0.00	2,345	192.26	0.00
8.00	0.00	2,345	192.26	0.00
8.10	0.00	2,345	192.26	0.00
8.20	0.00	2,345	192.26	0.00
8.30	0.00	2,345	192.26	0.00
8.40	0.00	2,345	192.26	0.00
8.50	0.00	2,345	192.26	0.00
8.60	0.00	2,345	192.26	0.00
8.70	0.00	2,345	192.26	0.00
8.80	0.00	2,345	192.26	0.00
8.90	0.00	2,345	192.26	0.00
9.00	0.00	2,345	192.26	0.00
9.10	0.00	2,345	192.26	0.00
9.20	0.00	2,345	192.26	0.00
9.30	0.00	2,345	192.26	0.00
9.40	0.00	2,345	192.26	0.00
9.50	0.00	2,345	192.26	0.00
9.60	0.00	2,345	192.26	0.00
9.70	0.00	2,345	192.26	0.00
9.80	0.00	2,345	192.26	0.00
9.90	0.00	2,345	192.26	0.00
10.00	0.00	2,345	192.26	0.00
10.10	0.00	2,345	192.26	0.00
10.20	0.00	2,345	192.26	0.00
10.30	0.00	2,345	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,345	192.26	0.00
10.50	0.00	2,345	192.26	0.00
10.60	0.00	2,345	192.26	0.00
10.70	0.00	2,345	192.26	0.00
10.80	0.00	2,345	192.26	0.00
10.90	0.00	2,345	192.26	0.00
11.00	0.00	2,345	192.26	0.00
11.10	0.00	2,345	192.26	0.00
11.20	0.00	2,345	192.26	0.00
11.30	0.00	2,345	192.26	0.00
11.40	0.00	2,344	192.26	0.00
11.50	0.00	2,344	192.26	0.00
11.60	0.00	2,344	192.26	0.00
11.70	0.00	2,344	192.26	0.00
11.80	0.00	2,344	192.26	0.00
11.90	0.00	2,344	192.26	0.00
12.00	0.00	2,344	192.26	0.00
12.10	0.00	2,344	192.26	0.00
12.20	0.00	2,344	192.26	0.00
12.30	0.00	2,344	192.26	0.00
12.40	0.00	2,344	192.26	0.00
12.50	0.00	2,344	192.26	0.00
12.60	0.00	2,344	192.26	0.00
12.70	0.00	2,344	192.26	0.00
12.80	0.00	2,344	192.26	0.00
12.90	0.00	2,344	192.26	0.00
13.00	0.00	2,344	192.26	0.00
13.10	0.00	2,344	192.26	0.00
13.20	0.00	2,344	192.26	0.00
13.30	0.00	2,344	192.26	0.00
13.40	0.00	2,344	192.26	0.00
13.50	0.00	2,344	192.26	0.00
13.60	0.00	2,344	192.26	0.00
13.70	0.00	2,344	192.26	0.00
13.80	0.00	2,344	192.26	0.00
13.90	0.00	2,344	192.26	0.00
14.00	0.00	2,344	192.26	0.00
14.10	0.00	2,344	192.26	0.00
14.20	0.00	2,344	192.26	0.00
14.30	0.00	2,344	192.26	0.00
14.40	0.00	2,344	192.26	0.00
14.50	0.00	2,344	192.26	0.00
14.60	0.00	2,344	192.26	0.00
14.70	0.00	2,344	192.26	0.00
14.80	0.00	2,344	192.26	0.00
14.90	0.00	2,344	192.26	0.00
15.00	0.00	2,344	192.26	0.00
15.10	0.00	2,344	192.26	0.00
15.20	0.00	2,344	192.26	0.00
15.30	0.00	2,344	192.26	0.00
15.40	0.00	2,344	192.26	0.00
15.50	0.00	2,344	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,344	192.26	0.00
15.70	0.00	2,343	192.26	0.00
15.80	0.00	2,343	192.26	0.00
15.90	0.00	2,343	192.26	0.00
16.00	0.00	2,343	192.26	0.00
16.10	0.00	2,343	192.26	0.00
16.20	0.00	2,343	192.26	0.00
16.30	0.00	2,343	192.26	0.00
16.40	0.00	2,343	192.26	0.00
16.50	0.00	2,343	192.26	0.00
16.60	0.00	2,343	192.26	0.00
16.70	0.00	2,343	192.26	0.00
16.80	0.00	2,343	192.26	0.00
16.90	0.00	2,343	192.26	0.00
17.00	0.00	2,343	192.26	0.00
17.10	0.00	2,343	192.26	0.00
17.20	0.00	2,343	192.26	0.00
17.30	0.00	2,343	192.26	0.00
17.40	0.00	2,343	192.26	0.00
17.50	0.00	2,343	192.26	0.00
17.60	0.00	2,343	192.26	0.00
17.70	0.00	2,343	192.26	0.00
17.80	0.00	2,343	192.26	0.00
17.90	0.00	2,343	192.26	0.00
18.00	0.00	2,343	192.26	0.00
18.10	0.00	2,343	192.26	0.00
18.20	0.00	2,343	192.26	0.00
18.30	0.00	2,343	192.26	0.00
18.40	0.00	2,343	192.26	0.00
18.50	0.00	2,343	192.26	0.00
18.60	0.00	2,343	192.26	0.00
18.70	0.00	2,343	192.26	0.00
18.80	0.00	2,343	192.26	0.00
18.90	0.00	2,343	192.26	0.00
19.00	0.00	2,343	192.26	0.00
19.10	0.00	2,343	192.26	0.00
19.20	0.00	2,343	192.26	0.00
19.30	0.00	2,343	192.26	0.00
19.40	0.00	2,343	192.26	0.00
19.50	0.00	2,343	192.26	0.00
19.60	0.00	2,343	192.26	0.00
19.70	0.00	2,343	192.26	0.00
19.80	0.00	2,343	192.26	0.00
19.90	0.00	2,343	192.26	0.00
20.00	0.00	2,343	192.26	0.00
20.10	0.00	2,343	192.26	0.00
20.20	0.00	2,343	192.26	0.00
20.30	0.00	2,342	192.26	0.00
20.40	0.00	2,342	192.26	0.00
20.50	0.00	2,342	192.26	0.00
20.60	0.00	2,342	192.26	0.00
20.70	0.00	2,342	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,342	192.26	0.00
20.90	0.00	2,342	192.26	0.00
21.00	0.00	2,342	192.26	0.00
21.10	0.00	2,342	192.26	0.00
21.20	0.00	2,342	192.26	0.00
21.30	0.00	2,342	192.26	0.00
21.40	0.00	2,342	192.26	0.00
21.50	0.00	2,342	192.26	0.00
21.60	0.00	2,342	192.26	0.00
21.70	0.00	2,342	192.26	0.00
21.80	0.00	2,342	192.26	0.00
21.90	0.00	2,342	192.26	0.00
22.00	0.00	2,342	192.26	0.00
22.10	0.00	2,342	192.26	0.00
22.20	0.00	2,342	192.26	0.00
22.30	0.00	2,342	192.26	0.00
22.40	0.00	2,342	192.26	0.00
22.50	0.00	2,342	192.26	0.00
22.60	0.00	2,342	192.26	0.00
22.70	0.00	2,342	192.26	0.00
22.80	0.00	2,342	192.26	0.00
22.90	0.00	2,342	192.26	0.00
23.00	0.00	2,342	192.26	0.00
23.10	0.00	2,342	192.26	0.00
23.20	0.00	2,342	192.26	0.00
23.30	0.00	2,342	192.26	0.00
23.40	0.00	2,342	192.26	0.00
23.50	0.00	2,342	192.26	0.00
23.60	0.00	2,342	192.26	0.00
23.70	0.00	2,342	192.26	0.00
23.80	0.00	2,342	192.26	0.00
23.90	0.00	2,342	192.26	0.00
24.00	0.00	2,342	192.26	0.00
24.10	0.00	2,342	192.26	0.00
24.20	0.00	2,342	192.26	0.00
24.30	0.00	2,342	192.26	0.00
24.40	0.00	2,342	192.26	0.00
24.50	0.00	2,342	192.26	0.00
24.60	0.00	2,342	192.26	0.00
24.70	0.00	2,342	192.26	0.00
24.80	0.00	2,342	192.26	0.00
24.90	0.00	2,342	192.26	0.00
25.00	0.00	2,342	192.26	0.00
25.10	0.00	2,342	192.26	0.00
25.20	0.00	2,342	192.26	0.00
25.30	0.00	2,341	192.26	0.00
25.40	0.00	2,341	192.26	0.00
25.50	0.00	2,341	192.26	0.00
25.60	0.00	2,341	192.26	0.00
25.70	0.00	2,341	192.26	0.00
25.80	0.00	2,341	192.26	0.00
25.90	0.00	2,341	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,341	192.26	0.00
26.10	0.00	2,341	192.26	0.00
26.20	0.00	2,341	192.26	0.00
26.30	0.00	2,341	192.26	0.00
26.40	0.00	2,341	192.26	0.00
26.50	0.00	2,341	192.26	0.00
26.60	0.00	2,341	192.26	0.00
26.70	0.00	2,341	192.26	0.00
26.80	0.00	2,341	192.26	0.00
26.90	0.00	2,341	192.26	0.00
27.00	0.00	2,341	192.26	0.00
27.10	0.00	2,341	192.26	0.00
27.20	0.00	2,341	192.26	0.00
27.30	0.00	2,341	192.26	0.00
27.40	0.00	2,341	192.26	0.00
27.50	0.00	2,341	192.26	0.00
27.60	0.00	2,341	192.26	0.00
27.70	0.00	2,341	192.26	0.00
27.80	0.00	2,341	192.26	0.00
27.90	0.00	2,341	192.26	0.00
28.00	0.00	2,341	192.26	0.00
28.10	0.00	2,341	192.26	0.00
28.20	0.00	2,341	192.26	0.00
28.30	0.00	2,341	192.26	0.00
28.40	0.00	2,341	192.26	0.00
28.50	0.00	2,341	192.26	0.00
28.60	0.00	2,341	192.26	0.00
28.70	0.00	2,341	192.26	0.00
28.80	0.00	2,341	192.26	0.00
28.90	0.00	2,341	192.26	0.00
29.00	0.00	2,341	192.26	0.00
29.10	0.00	2,341	192.26	0.00
29.20	0.00	2,341	192.26	0.00
29.30	0.00	2,341	192.26	0.00
29.40	0.00	2,341	192.26	0.00
29.50	0.00	2,341	192.26	0.00
29.60	0.00	2,341	192.26	0.00
29.70	0.00	2,341	192.26	0.00
29.80	0.00	2,341	192.26	0.00
29.90	0.00	2,341	192.26	0.00
30.00	0.00	2,341	192.26	0.00
30.10	0.00	2,341	192.26	0.00
30.20	0.00	2,341	192.26	0.00
30.30	0.00	2,341	192.26	0.00
30.40	0.00	2,341	192.26	0.00
30.50	0.00	2,341	192.26	0.00
30.60	0.00	2,341	192.26	0.00
30.70	0.00	2,340	192.26	0.00
30.80	0.00	2,340	192.26	0.00
30.90	0.00	2,340	192.26	0.00
31.00	0.00	2,340	192.26	0.00
31.10	0.00	2,340	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,340	192.26	0.00
31.30	0.00	2,340	192.26	0.00
31.40	0.00	2,340	192.26	0.00
31.50	0.00	2,340	192.26	0.00
31.60	0.00	2,340	192.26	0.00
31.70	0.00	2,340	192.26	0.00
31.80	0.00	2,340	192.26	0.00
31.90	0.00	2,340	192.26	0.00
32.00	0.00	2,340	192.26	0.00
32.10	0.00	2,340	192.26	0.00
32.20	0.00	2,340	192.26	0.00
32.30	0.00	2,340	192.26	0.00
32.40	0.00	2,340	192.26	0.00
32.50	0.00	2,340	192.26	0.00
32.60	0.00	2,340	192.26	0.00
32.70	0.00	2,340	192.26	0.00
32.80	0.00	2,340	192.26	0.00
32.90	0.00	2,340	192.26	0.00
33.00	0.00	2,340	192.26	0.00
33.10	0.00	2,340	192.26	0.00
33.20	0.00	2,340	192.26	0.00
33.30	0.00	2,340	192.26	0.00
33.40	0.00	2,340	192.26	0.00
33.50	0.00	2,340	192.26	0.00
33.60	0.00	2,340	192.26	0.00
33.70	0.00	2,340	192.26	0.00
33.80	0.00	2,340	192.26	0.00
33.90	0.00	2,340	192.26	0.00
34.00	0.00	2,340	192.26	0.00
34.10	0.00	2,340	192.26	0.00
34.20	0.00	2,340	192.26	0.00
34.30	0.00	2,340	192.26	0.00
34.40	0.00	2,340	192.26	0.00
34.50	0.00	2,340	192.26	0.00
34.60	0.00	2,340	192.26	0.00
34.70	0.00	2,340	192.26	0.00
34.80	0.00	2,340	192.26	0.00
34.90	0.00	2,340	192.26	0.00
35.00	0.00	2,340	192.26	0.00
35.10	0.00	2,340	192.26	0.00
35.20	0.00	2,340	192.26	0.00
35.30	0.00	2,340	192.26	0.00
35.40	0.00	2,340	192.26	0.00
35.50	0.00	2,340	192.26	0.00
35.60	0.00	2,340	192.26	0.00
35.70	0.00	2,340	192.26	0.00
35.80	0.00	2,340	192.26	0.00
35.90	0.00	2,340	192.26	0.00
36.00	0.00	2,340	192.26	0.00
36.10	0.00	2,340	192.26	0.00
36.20	0.00	2,340	192.26	0.00
36.30	0.00	2,340	192.26	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,340	192.26	0.00
36.50	0.00	2,340	192.26	0.00
36.60	0.00	2,340	192.26	0.00
36.70	0.00	2,339	192.26	0.00
36.80	0.00	2,339	192.26	0.00
36.90	0.00	2,339	192.26	0.00
37.00	0.00	2,339	192.26	0.00
37.10	0.00	2,339	192.26	0.00
37.20	0.00	2,339	192.26	0.00
37.30	0.00	2,339	192.26	0.00
37.40	0.00	2,339	192.26	0.00
37.50	0.00	2,339	192.26	0.00
37.60	0.00	2,339	192.26	0.00
37.70	0.00	2,339	192.26	0.00
37.80	0.00	2,339	192.26	0.00
37.90	0.00	2,339	192.26	0.00
38.00	0.00	2,339	192.26	0.00
38.10	0.00	2,339	192.26	0.00
38.20	0.00	2,339	192.26	0.00
38.30	0.00	2,339	192.26	0.00
38.40	0.00	2,339	192.26	0.00
38.50	0.00	2,339	192.26	0.00
38.60	0.00	2,339	192.26	0.00
38.70	0.00	2,339	192.26	0.00
38.80	0.00	2,339	192.26	0.00
38.90	0.00	2,339	192.26	0.00
39.00	0.00	2,339	192.26	0.00
39.10	0.00	2,339	192.26	0.00
39.20	0.00	2,339	192.26	0.00
39.30	0.00	2,339	192.26	0.00
39.40	0.00	2,339	192.26	0.00
39.50	0.00	2,339	192.26	0.00
39.60	0.00	2,339	192.26	0.00
39.70	0.00	2,339	192.26	0.00
39.80	0.00	2,339	192.26	0.00
39.90	0.00	2,339	192.26	0.00
40.00	0.00	2,339	192.26	0.00

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 0.64" for WQ Storm event
Inflow = 4.23 cfs @ 1.04 hrs, Volume= 0.126 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 196.78' @ 2.40 hrs Surf.Area= 7,058 sf Storage= 5,478 cf

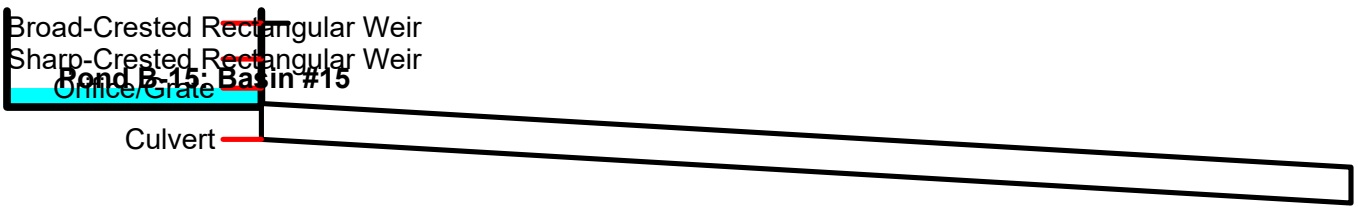
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

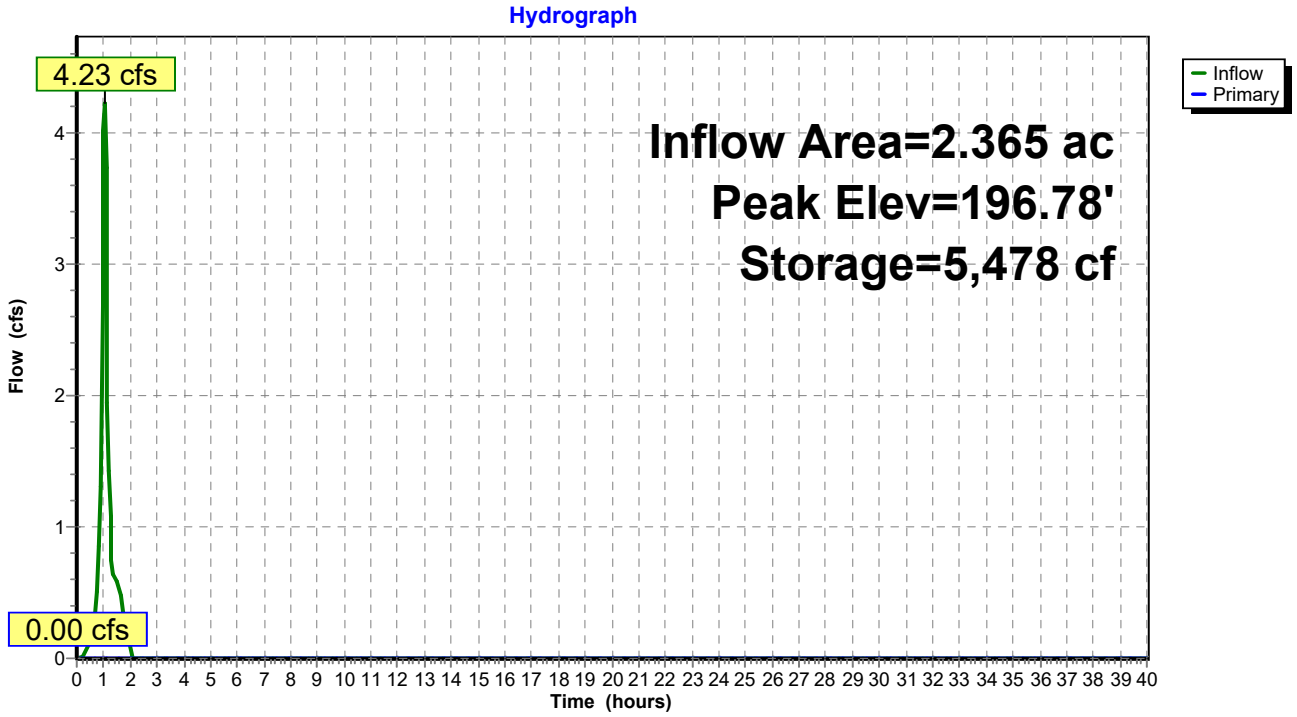
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=196.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.63 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	**0.00**
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.07	10	196.00	0.00
0.50	0.15	49	196.01	0.00
0.60	0.28	128	196.02	0.00
0.70	0.35	240	196.03	0.00
0.80	0.63	398	196.06	0.00
0.90	1.31	727	196.10	0.00
1.00	**4.01**	1,688	196.24	0.00
1.10	**3.73**	3,144	196.45	0.00
1.20	1.43	3,959	196.56	0.00
1.30	0.75	4,349	196.62	0.00
1.40	0.62	4,588	196.65	0.00
1.50	0.61	4,810	196.68	0.00
1.60	0.48	5,001	196.71	0.00
1.70	0.48	5,174	196.73	0.00
1.80	0.26	5,324	196.75	0.00
1.90	0.17	5,395	196.76	0.00
2.00	0.16	5,453	196.77	0.00
2.10	0.01	5,476	196.78	0.00
2.20	0.00	5,478	196.78	0.00
2.30	0.00	5,478	196.78	0.00
2.40	0.00	**5,478**	**196.78**	0.00
2.50	0.00	5,478	196.78	0.00
2.60	0.00	5,478	196.78	0.00
2.70	0.00	5,478	196.78	0.00
2.80	0.00	5,478	196.78	0.00
2.90	0.00	5,478	196.78	0.00
3.00	0.00	5,478	196.78	0.00
3.10	0.00	5,478	196.78	0.00
3.20	0.00	5,478	196.78	0.00
3.30	0.00	5,478	196.78	0.00
3.40	0.00	5,478	196.78	0.00
3.50	0.00	5,478	196.78	0.00
3.60	0.00	5,478	196.78	0.00
3.70	0.00	5,478	196.78	0.00
3.80	0.00	5,478	196.78	0.00
3.90	0.00	5,478	196.78	0.00
4.00	0.00	5,478	196.78	0.00
4.10	0.00	5,478	196.78	0.00
4.20	0.00	5,478	196.78	0.00
4.30	0.00	5,478	196.78	0.00
4.40	0.00	5,478	196.78	0.00
4.50	0.00	5,478	196.78	0.00
4.60	0.00	5,478	196.78	0.00
4.70	0.00	5,478	196.78	0.00
4.80	0.00	5,478	196.78	0.00
4.90	0.00	5,478	196.78	0.00
5.00	0.00	5,478	196.78	0.00
5.10	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	5,478	196.78	0.00
5.30	0.00	5,478	196.78	0.00
5.40	0.00	5,478	196.78	0.00
5.50	0.00	5,478	196.78	0.00
5.60	0.00	5,478	196.78	0.00
5.70	0.00	5,478	196.78	0.00
5.80	0.00	5,478	196.78	0.00
5.90	0.00	5,478	196.78	0.00
6.00	0.00	5,478	196.78	0.00
6.10	0.00	5,478	196.78	0.00
6.20	0.00	5,478	196.78	0.00
6.30	0.00	5,478	196.78	0.00
6.40	0.00	5,478	196.78	0.00
6.50	0.00	5,478	196.78	0.00
6.60	0.00	5,478	196.78	0.00
6.70	0.00	5,478	196.78	0.00
6.80	0.00	5,478	196.78	0.00
6.90	0.00	5,478	196.78	0.00
7.00	0.00	5,478	196.78	0.00
7.10	0.00	5,478	196.78	0.00
7.20	0.00	5,478	196.78	0.00
7.30	0.00	5,478	196.78	0.00
7.40	0.00	5,478	196.78	0.00
7.50	0.00	5,478	196.78	0.00
7.60	0.00	5,478	196.78	0.00
7.70	0.00	5,478	196.78	0.00
7.80	0.00	5,478	196.78	0.00
7.90	0.00	5,478	196.78	0.00
8.00	0.00	5,478	196.78	0.00
8.10	0.00	5,478	196.78	0.00
8.20	0.00	5,478	196.78	0.00
8.30	0.00	5,478	196.78	0.00
8.40	0.00	5,478	196.78	0.00
8.50	0.00	5,478	196.78	0.00
8.60	0.00	5,478	196.78	0.00
8.70	0.00	5,478	196.78	0.00
8.80	0.00	5,478	196.78	0.00
8.90	0.00	5,478	196.78	0.00
9.00	0.00	5,478	196.78	0.00
9.10	0.00	5,478	196.78	0.00
9.20	0.00	5,478	196.78	0.00
9.30	0.00	5,478	196.78	0.00
9.40	0.00	5,478	196.78	0.00
9.50	0.00	5,478	196.78	0.00
9.60	0.00	5,478	196.78	0.00
9.70	0.00	5,478	196.78	0.00
9.80	0.00	5,478	196.78	0.00
9.90	0.00	5,478	196.78	0.00
10.00	0.00	5,478	196.78	0.00
10.10	0.00	5,478	196.78	0.00
10.20	0.00	5,478	196.78	0.00
10.30	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	5,478	196.78	0.00
10.50	0.00	5,478	196.78	0.00
10.60	0.00	5,478	196.78	0.00
10.70	0.00	5,478	196.78	0.00
10.80	0.00	5,478	196.78	0.00
10.90	0.00	5,478	196.78	0.00
11.00	0.00	5,478	196.78	0.00
11.10	0.00	5,478	196.78	0.00
11.20	0.00	5,478	196.78	0.00
11.30	0.00	5,478	196.78	0.00
11.40	0.00	5,478	196.78	0.00
11.50	0.00	5,478	196.78	0.00
11.60	0.00	5,478	196.78	0.00
11.70	0.00	5,478	196.78	0.00
11.80	0.00	5,478	196.78	0.00
11.90	0.00	5,478	196.78	0.00
12.00	0.00	5,478	196.78	0.00
12.10	0.00	5,478	196.78	0.00
12.20	0.00	5,478	196.78	0.00
12.30	0.00	5,478	196.78	0.00
12.40	0.00	5,478	196.78	0.00
12.50	0.00	5,478	196.78	0.00
12.60	0.00	5,478	196.78	0.00
12.70	0.00	5,478	196.78	0.00
12.80	0.00	5,478	196.78	0.00
12.90	0.00	5,478	196.78	0.00
13.00	0.00	5,478	196.78	0.00
13.10	0.00	5,478	196.78	0.00
13.20	0.00	5,478	196.78	0.00
13.30	0.00	5,478	196.78	0.00
13.40	0.00	5,478	196.78	0.00
13.50	0.00	5,478	196.78	0.00
13.60	0.00	5,478	196.78	0.00
13.70	0.00	5,478	196.78	0.00
13.80	0.00	5,478	196.78	0.00
13.90	0.00	5,478	196.78	0.00
14.00	0.00	5,478	196.78	0.00
14.10	0.00	5,478	196.78	0.00
14.20	0.00	5,478	196.78	0.00
14.30	0.00	5,478	196.78	0.00
14.40	0.00	5,478	196.78	0.00
14.50	0.00	5,478	196.78	0.00
14.60	0.00	5,478	196.78	0.00
14.70	0.00	5,478	196.78	0.00
14.80	0.00	5,478	196.78	0.00
14.90	0.00	5,478	196.78	0.00
15.00	0.00	5,478	196.78	0.00
15.10	0.00	5,478	196.78	0.00
15.20	0.00	5,478	196.78	0.00
15.30	0.00	5,478	196.78	0.00
15.40	0.00	5,478	196.78	0.00
15.50	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	5,478	196.78	0.00
15.70	0.00	5,478	196.78	0.00
15.80	0.00	5,478	196.78	0.00
15.90	0.00	5,478	196.78	0.00
16.00	0.00	5,478	196.78	0.00
16.10	0.00	5,478	196.78	0.00
16.20	0.00	5,478	196.78	0.00
16.30	0.00	5,478	196.78	0.00
16.40	0.00	5,478	196.78	0.00
16.50	0.00	5,478	196.78	0.00
16.60	0.00	5,478	196.78	0.00
16.70	0.00	5,478	196.78	0.00
16.80	0.00	5,478	196.78	0.00
16.90	0.00	5,478	196.78	0.00
17.00	0.00	5,478	196.78	0.00
17.10	0.00	5,478	196.78	0.00
17.20	0.00	5,478	196.78	0.00
17.30	0.00	5,478	196.78	0.00
17.40	0.00	5,478	196.78	0.00
17.50	0.00	5,478	196.78	0.00
17.60	0.00	5,478	196.78	0.00
17.70	0.00	5,478	196.78	0.00
17.80	0.00	5,478	196.78	0.00
17.90	0.00	5,478	196.78	0.00
18.00	0.00	5,478	196.78	0.00
18.10	0.00	5,478	196.78	0.00
18.20	0.00	5,478	196.78	0.00
18.30	0.00	5,478	196.78	0.00
18.40	0.00	5,478	196.78	0.00
18.50	0.00	5,478	196.78	0.00
18.60	0.00	5,478	196.78	0.00
18.70	0.00	5,478	196.78	0.00
18.80	0.00	5,478	196.78	0.00
18.90	0.00	5,478	196.78	0.00
19.00	0.00	5,478	196.78	0.00
19.10	0.00	5,478	196.78	0.00
19.20	0.00	5,478	196.78	0.00
19.30	0.00	5,478	196.78	0.00
19.40	0.00	5,478	196.78	0.00
19.50	0.00	5,478	196.78	0.00
19.60	0.00	5,478	196.78	0.00
19.70	0.00	5,478	196.78	0.00
19.80	0.00	5,478	196.78	0.00
19.90	0.00	5,478	196.78	0.00
20.00	0.00	5,478	196.78	0.00
20.10	0.00	5,478	196.78	0.00
20.20	0.00	5,478	196.78	0.00
20.30	0.00	5,478	196.78	0.00
20.40	0.00	5,478	196.78	0.00
20.50	0.00	5,478	196.78	0.00
20.60	0.00	5,478	196.78	0.00
20.70	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	5,478	196.78	0.00
20.90	0.00	5,478	196.78	0.00
21.00	0.00	5,478	196.78	0.00
21.10	0.00	5,478	196.78	0.00
21.20	0.00	5,478	196.78	0.00
21.30	0.00	5,478	196.78	0.00
21.40	0.00	5,478	196.78	0.00
21.50	0.00	5,478	196.78	0.00
21.60	0.00	5,478	196.78	0.00
21.70	0.00	5,478	196.78	0.00
21.80	0.00	5,478	196.78	0.00
21.90	0.00	5,478	196.78	0.00
22.00	0.00	5,478	196.78	0.00
22.10	0.00	5,478	196.78	0.00
22.20	0.00	5,478	196.78	0.00
22.30	0.00	5,478	196.78	0.00
22.40	0.00	5,478	196.78	0.00
22.50	0.00	5,478	196.78	0.00
22.60	0.00	5,478	196.78	0.00
22.70	0.00	5,478	196.78	0.00
22.80	0.00	5,478	196.78	0.00
22.90	0.00	5,478	196.78	0.00
23.00	0.00	5,478	196.78	0.00
23.10	0.00	5,478	196.78	0.00
23.20	0.00	5,478	196.78	0.00
23.30	0.00	5,478	196.78	0.00
23.40	0.00	5,478	196.78	0.00
23.50	0.00	5,478	196.78	0.00
23.60	0.00	5,478	196.78	0.00
23.70	0.00	5,478	196.78	0.00
23.80	0.00	5,478	196.78	0.00
23.90	0.00	5,478	196.78	0.00
24.00	0.00	5,478	196.78	0.00
24.10	0.00	5,478	196.78	0.00
24.20	0.00	5,478	196.78	0.00
24.30	0.00	5,478	196.78	0.00
24.40	0.00	5,478	196.78	0.00
24.50	0.00	5,478	196.78	0.00
24.60	0.00	5,478	196.78	0.00
24.70	0.00	5,478	196.78	0.00
24.80	0.00	5,478	196.78	0.00
24.90	0.00	5,478	196.78	0.00
25.00	0.00	5,478	196.78	0.00
25.10	0.00	5,478	196.78	0.00
25.20	0.00	5,478	196.78	0.00
25.30	0.00	5,478	196.78	0.00
25.40	0.00	5,478	196.78	0.00
25.50	0.00	5,478	196.78	0.00
25.60	0.00	5,478	196.78	0.00
25.70	0.00	5,478	196.78	0.00
25.80	0.00	5,478	196.78	0.00
25.90	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,478	196.78	0.00
26.10	0.00	5,478	196.78	0.00
26.20	0.00	5,478	196.78	0.00
26.30	0.00	5,478	196.78	0.00
26.40	0.00	5,478	196.78	0.00
26.50	0.00	5,478	196.78	0.00
26.60	0.00	5,478	196.78	0.00
26.70	0.00	5,478	196.78	0.00
26.80	0.00	5,478	196.78	0.00
26.90	0.00	5,478	196.78	0.00
27.00	0.00	5,478	196.78	0.00
27.10	0.00	5,478	196.78	0.00
27.20	0.00	5,478	196.78	0.00
27.30	0.00	5,478	196.78	0.00
27.40	0.00	5,478	196.78	0.00
27.50	0.00	5,478	196.78	0.00
27.60	0.00	5,478	196.78	0.00
27.70	0.00	5,478	196.78	0.00
27.80	0.00	5,478	196.78	0.00
27.90	0.00	5,478	196.78	0.00
28.00	0.00	5,478	196.78	0.00
28.10	0.00	5,478	196.78	0.00
28.20	0.00	5,478	196.78	0.00
28.30	0.00	5,478	196.78	0.00
28.40	0.00	5,478	196.78	0.00
28.50	0.00	5,478	196.78	0.00
28.60	0.00	5,478	196.78	0.00
28.70	0.00	5,478	196.78	0.00
28.80	0.00	5,478	196.78	0.00
28.90	0.00	5,478	196.78	0.00
29.00	0.00	5,478	196.78	0.00
29.10	0.00	5,478	196.78	0.00
29.20	0.00	5,478	196.78	0.00
29.30	0.00	5,478	196.78	0.00
29.40	0.00	5,478	196.78	0.00
29.50	0.00	5,478	196.78	0.00
29.60	0.00	5,478	196.78	0.00
29.70	0.00	5,478	196.78	0.00
29.80	0.00	5,478	196.78	0.00
29.90	0.00	5,478	196.78	0.00
30.00	0.00	5,478	196.78	0.00
30.10	0.00	5,478	196.78	0.00
30.20	0.00	5,478	196.78	0.00
30.30	0.00	5,478	196.78	0.00
30.40	0.00	5,478	196.78	0.00
30.50	0.00	5,478	196.78	0.00
30.60	0.00	5,478	196.78	0.00
30.70	0.00	5,478	196.78	0.00
30.80	0.00	5,478	196.78	0.00
30.90	0.00	5,478	196.78	0.00
31.00	0.00	5,478	196.78	0.00
31.10	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,478	196.78	0.00
31.30	0.00	5,478	196.78	0.00
31.40	0.00	5,478	196.78	0.00
31.50	0.00	5,478	196.78	0.00
31.60	0.00	5,478	196.78	0.00
31.70	0.00	5,478	196.78	0.00
31.80	0.00	5,478	196.78	0.00
31.90	0.00	5,478	196.78	0.00
32.00	0.00	5,478	196.78	0.00
32.10	0.00	5,478	196.78	0.00
32.20	0.00	5,478	196.78	0.00
32.30	0.00	5,478	196.78	0.00
32.40	0.00	5,478	196.78	0.00
32.50	0.00	5,478	196.78	0.00
32.60	0.00	5,478	196.78	0.00
32.70	0.00	5,478	196.78	0.00
32.80	0.00	5,478	196.78	0.00
32.90	0.00	5,478	196.78	0.00
33.00	0.00	5,478	196.78	0.00
33.10	0.00	5,478	196.78	0.00
33.20	0.00	5,478	196.78	0.00
33.30	0.00	5,478	196.78	0.00
33.40	0.00	5,478	196.78	0.00
33.50	0.00	5,478	196.78	0.00
33.60	0.00	5,478	196.78	0.00
33.70	0.00	5,478	196.78	0.00
33.80	0.00	5,478	196.78	0.00
33.90	0.00	5,478	196.78	0.00
34.00	0.00	5,478	196.78	0.00
34.10	0.00	5,478	196.78	0.00
34.20	0.00	5,478	196.78	0.00
34.30	0.00	5,478	196.78	0.00
34.40	0.00	5,478	196.78	0.00
34.50	0.00	5,478	196.78	0.00
34.60	0.00	5,478	196.78	0.00
34.70	0.00	5,478	196.78	0.00
34.80	0.00	5,478	196.78	0.00
34.90	0.00	5,478	196.78	0.00
35.00	0.00	5,478	196.78	0.00
35.10	0.00	5,478	196.78	0.00
35.20	0.00	5,478	196.78	0.00
35.30	0.00	5,478	196.78	0.00
35.40	0.00	5,478	196.78	0.00
35.50	0.00	5,478	196.78	0.00
35.60	0.00	5,478	196.78	0.00
35.70	0.00	5,478	196.78	0.00
35.80	0.00	5,478	196.78	0.00
35.90	0.00	5,478	196.78	0.00
36.00	0.00	5,478	196.78	0.00
36.10	0.00	5,478	196.78	0.00
36.20	0.00	5,478	196.78	0.00
36.30	0.00	5,478	196.78	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,478	196.78	0.00
36.50	0.00	5,478	196.78	0.00
36.60	0.00	5,478	196.78	0.00
36.70	0.00	5,478	196.78	0.00
36.80	0.00	5,478	196.78	0.00
36.90	0.00	5,478	196.78	0.00
37.00	0.00	5,478	196.78	0.00
37.10	0.00	5,478	196.78	0.00
37.20	0.00	5,478	196.78	0.00
37.30	0.00	5,478	196.78	0.00
37.40	0.00	5,478	196.78	0.00
37.50	0.00	5,478	196.78	0.00
37.60	0.00	5,478	196.78	0.00
37.70	0.00	5,478	196.78	0.00
37.80	0.00	5,478	196.78	0.00
37.90	0.00	5,478	196.78	0.00
38.00	0.00	5,478	196.78	0.00
38.10	0.00	5,478	196.78	0.00
38.20	0.00	5,478	196.78	0.00
38.30	0.00	5,478	196.78	0.00
38.40	0.00	5,478	196.78	0.00
38.50	0.00	5,478	196.78	0.00
38.60	0.00	5,478	196.78	0.00
38.70	0.00	5,478	196.78	0.00
38.80	0.00	5,478	196.78	0.00
38.90	0.00	5,478	196.78	0.00
39.00	0.00	5,478	196.78	0.00
39.10	0.00	5,478	196.78	0.00
39.20	0.00	5,478	196.78	0.00
39.30	0.00	5,478	196.78	0.00
39.40	0.00	5,478	196.78	0.00
39.50	0.00	5,478	196.78	0.00
39.60	0.00	5,478	196.78	0.00
39.70	0.00	5,478	196.78	0.00
39.80	0.00	5,478	196.78	0.00
39.90	0.00	5,478	196.78	0.00
40.00	0.00	5,478	196.78	0.00

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0
196.01	7,058	71
196.02	7,058	141
196.03	7,058	212
196.04	7,058	282
196.05	7,058	353
196.06	7,058	423
196.07	7,058	494
196.08	7,058	565
196.09	7,058	635
196.10	7,058	706
196.11	7,058	776
196.12	7,058	847
196.13	7,058	918
196.14	7,058	988
196.15	7,058	1,059
196.16	7,058	1,129
196.17	7,058	1,200
196.18	7,058	1,270
196.19	7,058	1,341
196.20	7,058	1,412
196.21	7,058	1,482
196.22	7,058	1,553
196.23	7,058	1,623
196.24	7,058	1,694
196.25	7,058	1,765
196.26	7,058	1,835
196.27	7,058	1,906
196.28	7,058	1,976
196.29	7,058	2,047
196.30	7,058	2,117
196.31	7,058	2,188
196.32	7,058	2,259
196.33	7,058	2,329
196.34	7,058	2,400
196.35	7,058	2,470
196.36	7,058	2,541
196.37	7,058	2,611
196.38	7,058	2,682
196.39	7,058	2,753
196.40	7,058	2,823
196.41	7,058	2,894
196.42	7,058	2,964
196.43	7,058	3,035
196.44	7,058	3,106
196.45	7,058	3,176
196.46	7,058	3,247
196.47	7,058	3,317
196.48	7,058	3,388
196.49	7,058	3,458
196.50	7,058	3,529
196.51	7,058	3,600
196.52	7,058	3,670
196.53	7,058	3,741
196.54	7,058	3,811
196.55	7,058	3,882
196.56	7,058	3,952
196.57	7,058	4,023
196.58	7,058	4,094
196.59	7,058	4,164
196.60	7,058	4,235
196.61	7,058	4,305
196.62	7,058	4,376
196.63	7,058	4,447
196.64	7,058	4,517
196.65	7,058	4,588
196.66	7,058	4,658
196.67	7,058	4,729
196.68	7,058	4,799
196.69	7,058	4,870
196.70	7,058	4,941
196.71	7,058	5,011
196.72	7,058	5,082
196.73	7,058	5,152
196.74	7,058	5,223
196.75	7,058	5,294
196.76	7,058	5,364
196.77	7,058	5,435
196.78	7,058	5,505
196.79	7,058	5,576
196.80	7,058	5,646
196.81	7,058	5,717
196.82	7,058	5,788
196.83	7,058	5,858
196.84	7,058	5,929
196.85	7,058	5,999
196.86	7,058	6,070
196.87	7,058	6,140
196.88	7,058	6,211
196.89	7,058	6,282
196.90	7,058	6,352
196.91	7,058	6,423
196.92	7,058	6,493
196.93	7,058	6,564
196.94	7,058	6,635
196.95	7,058	6,705
196.96	7,058	6,776
196.97	7,058	6,846
196.98	7,058	6,917
196.99	7,058	6,987
197.00	7,058	7,058
197.01	7,058	7,129
197.02	7,058	7,199
197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 0.51" for WQ Storm event
Inflow = 2.71 cfs @ 1.03 hrs, Volume= 0.080 af
Outflow = 0.00 cfs @ 2.10 hrs, Volume= 0.000 af, Atten= 100%, Lag= 64.0 min
Primary = 0.00 cfs @ 2.10 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 178.52' @ 2.10 hrs Surf.Area= 6,681 sf Storage= 3,477 cf

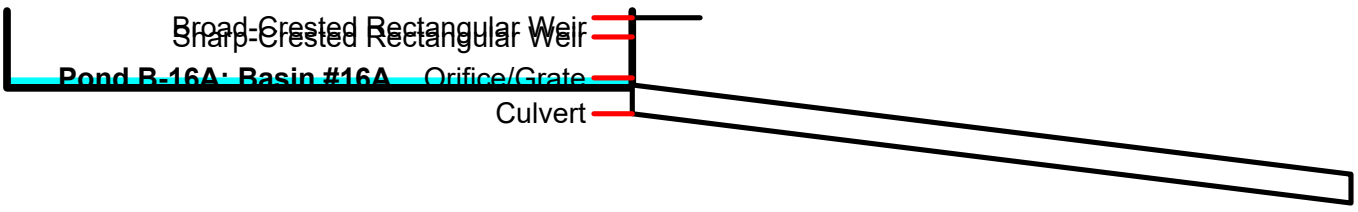
Plug-Flow detention time= 948.4 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 903.5 min (970.6 - 67.1)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

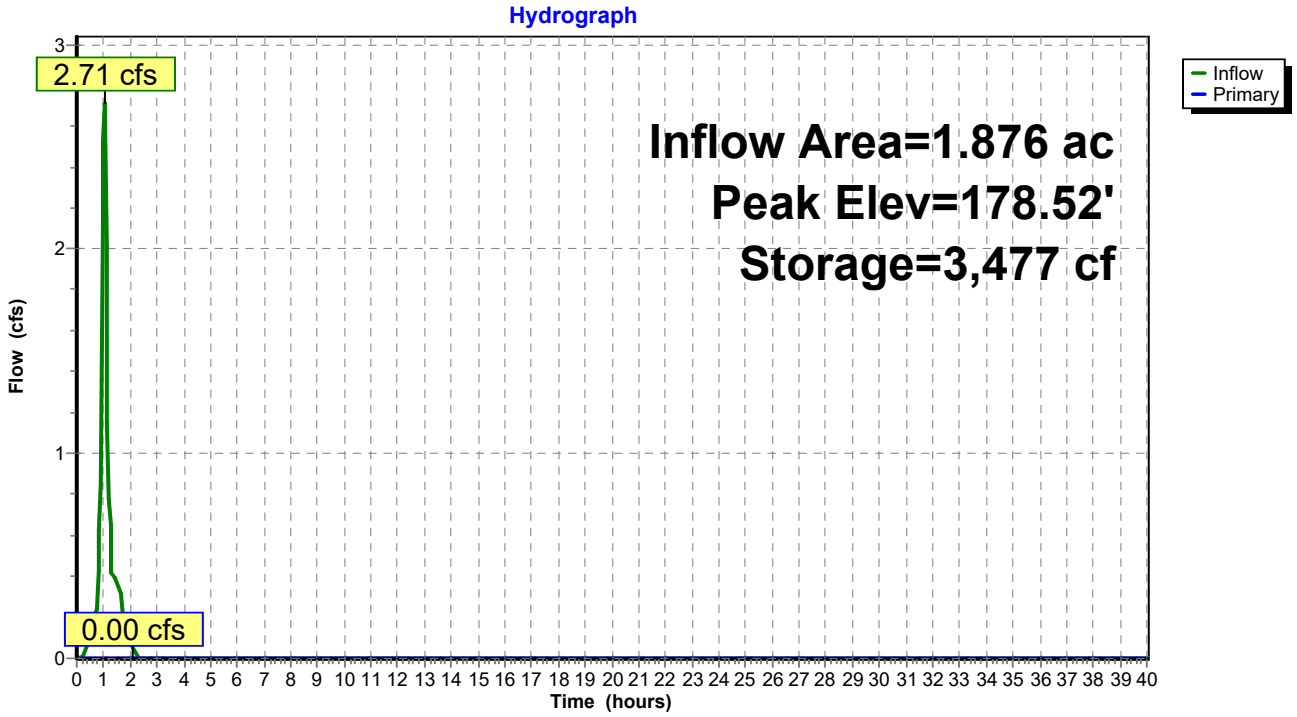
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.10 hrs HW=178.52' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 9.01 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.07 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.05	9	178.00	0.00
0.50	0.10	36	178.01	0.00
0.60	0.18	89	178.01	0.00
0.70	0.22	161	178.02	0.00
0.80	0.43	267	178.04	0.00
0.90	0.85	496	178.07	0.00
1.00	**2.54**	1,187	178.18	0.00
1.10	**2.02**	2,078	178.31	0.00
1.20	0.78	2,538	178.38	0.00
1.30	0.42	2,764	178.41	0.00
1.40	0.41	2,913	178.44	0.00
1.50	0.40	3,061	178.46	0.00
1.60	0.32	3,183	178.48	0.00
1.70	0.32	3,300	178.49	0.00
1.80	0.12	3,391	178.51	0.00
1.90	0.11	3,431	178.51	0.00
2.00	0.09	3,469	178.52	0.00
2.10	0.00	**3,477**	**178.52**	**0.00**
2.20	0.00	3,477	178.52	0.00
2.30	0.00	3,477	178.52	0.00
2.40	0.00	3,477	178.52	0.00
2.50	0.00	3,477	178.52	0.00
2.60	0.00	3,477	178.52	0.00
2.70	0.00	3,477	178.52	0.00
2.80	0.00	3,477	178.52	0.00
2.90	0.00	3,477	178.52	0.00
3.00	0.00	3,477	178.52	0.00
3.10	0.00	3,477	178.52	0.00
3.20	0.00	3,477	178.52	0.00
3.30	0.00	3,477	178.52	0.00
3.40	0.00	3,477	178.52	0.00
3.50	0.00	3,477	178.52	0.00
3.60	0.00	3,477	178.52	0.00
3.70	0.00	3,477	178.52	0.00
3.80	0.00	3,477	178.52	0.00
3.90	0.00	3,477	178.52	0.00
4.00	0.00	3,477	178.52	0.00
4.10	0.00	3,477	178.52	0.00
4.20	0.00	3,477	178.52	0.00
4.30	0.00	3,477	178.52	0.00
4.40	0.00	3,477	178.52	0.00
4.50	0.00	3,477	178.52	0.00
4.60	0.00	3,477	178.52	0.00
4.70	0.00	3,477	178.52	0.00
4.80	0.00	3,477	178.52	0.00
4.90	0.00	3,477	178.52	0.00
5.00	0.00	3,477	178.52	0.00
5.10	0.00	3,477	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,477	178.52	0.00
5.30	0.00	3,477	178.52	0.00
5.40	0.00	3,477	178.52	0.00
5.50	0.00	3,477	178.52	0.00
5.60	0.00	3,477	178.52	0.00
5.70	0.00	3,477	178.52	0.00
5.80	0.00	3,477	178.52	0.00
5.90	0.00	3,477	178.52	0.00
6.00	0.00	3,477	178.52	0.00
6.10	0.00	3,477	178.52	0.00
6.20	0.00	3,477	178.52	0.00
6.30	0.00	3,477	178.52	0.00
6.40	0.00	3,477	178.52	0.00
6.50	0.00	3,477	178.52	0.00
6.60	0.00	3,477	178.52	0.00
6.70	0.00	3,477	178.52	0.00
6.80	0.00	3,477	178.52	0.00
6.90	0.00	3,477	178.52	0.00
7.00	0.00	3,477	178.52	0.00
7.10	0.00	3,477	178.52	0.00
7.20	0.00	3,477	178.52	0.00
7.30	0.00	3,477	178.52	0.00
7.40	0.00	3,477	178.52	0.00
7.50	0.00	3,477	178.52	0.00
7.60	0.00	3,477	178.52	0.00
7.70	0.00	3,477	178.52	0.00
7.80	0.00	3,477	178.52	0.00
7.90	0.00	3,477	178.52	0.00
8.00	0.00	3,477	178.52	0.00
8.10	0.00	3,477	178.52	0.00
8.20	0.00	3,477	178.52	0.00
8.30	0.00	3,477	178.52	0.00
8.40	0.00	3,477	178.52	0.00
8.50	0.00	3,477	178.52	0.00
8.60	0.00	3,477	178.52	0.00
8.70	0.00	3,477	178.52	0.00
8.80	0.00	3,477	178.52	0.00
8.90	0.00	3,477	178.52	0.00
9.00	0.00	3,477	178.52	0.00
9.10	0.00	3,477	178.52	0.00
9.20	0.00	3,477	178.52	0.00
9.30	0.00	3,477	178.52	0.00
9.40	0.00	3,476	178.52	0.00
9.50	0.00	3,476	178.52	0.00
9.60	0.00	3,476	178.52	0.00
9.70	0.00	3,476	178.52	0.00
9.80	0.00	3,476	178.52	0.00
9.90	0.00	3,476	178.52	0.00
10.00	0.00	3,476	178.52	0.00
10.10	0.00	3,476	178.52	0.00
10.20	0.00	3,476	178.52	0.00
10.30	0.00	3,476	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,476	178.52	0.00
10.50	0.00	3,476	178.52	0.00
10.60	0.00	3,476	178.52	0.00
10.70	0.00	3,476	178.52	0.00
10.80	0.00	3,476	178.52	0.00
10.90	0.00	3,476	178.52	0.00
11.00	0.00	3,476	178.52	0.00
11.10	0.00	3,476	178.52	0.00
11.20	0.00	3,476	178.52	0.00
11.30	0.00	3,476	178.52	0.00
11.40	0.00	3,476	178.52	0.00
11.50	0.00	3,476	178.52	0.00
11.60	0.00	3,476	178.52	0.00
11.70	0.00	3,476	178.52	0.00
11.80	0.00	3,476	178.52	0.00
11.90	0.00	3,476	178.52	0.00
12.00	0.00	3,476	178.52	0.00
12.10	0.00	3,476	178.52	0.00
12.20	0.00	3,476	178.52	0.00
12.30	0.00	3,476	178.52	0.00
12.40	0.00	3,476	178.52	0.00
12.50	0.00	3,476	178.52	0.00
12.60	0.00	3,476	178.52	0.00
12.70	0.00	3,476	178.52	0.00
12.80	0.00	3,476	178.52	0.00
12.90	0.00	3,476	178.52	0.00
13.00	0.00	3,476	178.52	0.00
13.10	0.00	3,476	178.52	0.00
13.20	0.00	3,476	178.52	0.00
13.30	0.00	3,476	178.52	0.00
13.40	0.00	3,476	178.52	0.00
13.50	0.00	3,476	178.52	0.00
13.60	0.00	3,476	178.52	0.00
13.70	0.00	3,476	178.52	0.00
13.80	0.00	3,476	178.52	0.00
13.90	0.00	3,476	178.52	0.00
14.00	0.00	3,476	178.52	0.00
14.10	0.00	3,476	178.52	0.00
14.20	0.00	3,476	178.52	0.00
14.30	0.00	3,476	178.52	0.00
14.40	0.00	3,476	178.52	0.00
14.50	0.00	3,476	178.52	0.00
14.60	0.00	3,476	178.52	0.00
14.70	0.00	3,476	178.52	0.00
14.80	0.00	3,476	178.52	0.00
14.90	0.00	3,476	178.52	0.00
15.00	0.00	3,476	178.52	0.00
15.10	0.00	3,476	178.52	0.00
15.20	0.00	3,476	178.52	0.00
15.30	0.00	3,476	178.52	0.00
15.40	0.00	3,476	178.52	0.00
15.50	0.00	3,476	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,476	178.52	0.00
15.70	0.00	3,476	178.52	0.00
15.80	0.00	3,476	178.52	0.00
15.90	0.00	3,476	178.52	0.00
16.00	0.00	3,476	178.52	0.00
16.10	0.00	3,476	178.52	0.00
16.20	0.00	3,476	178.52	0.00
16.30	0.00	3,476	178.52	0.00
16.40	0.00	3,476	178.52	0.00
16.50	0.00	3,476	178.52	0.00
16.60	0.00	3,476	178.52	0.00
16.70	0.00	3,476	178.52	0.00
16.80	0.00	3,476	178.52	0.00
16.90	0.00	3,476	178.52	0.00
17.00	0.00	3,476	178.52	0.00
17.10	0.00	3,476	178.52	0.00
17.20	0.00	3,476	178.52	0.00
17.30	0.00	3,476	178.52	0.00
17.40	0.00	3,476	178.52	0.00
17.50	0.00	3,476	178.52	0.00
17.60	0.00	3,476	178.52	0.00
17.70	0.00	3,476	178.52	0.00
17.80	0.00	3,476	178.52	0.00
17.90	0.00	3,476	178.52	0.00
18.00	0.00	3,476	178.52	0.00
18.10	0.00	3,476	178.52	0.00
18.20	0.00	3,476	178.52	0.00
18.30	0.00	3,476	178.52	0.00
18.40	0.00	3,476	178.52	0.00
18.50	0.00	3,476	178.52	0.00
18.60	0.00	3,476	178.52	0.00
18.70	0.00	3,476	178.52	0.00
18.80	0.00	3,476	178.52	0.00
18.90	0.00	3,476	178.52	0.00
19.00	0.00	3,476	178.52	0.00
19.10	0.00	3,476	178.52	0.00
19.20	0.00	3,476	178.52	0.00
19.30	0.00	3,476	178.52	0.00
19.40	0.00	3,476	178.52	0.00
19.50	0.00	3,476	178.52	0.00
19.60	0.00	3,476	178.52	0.00
19.70	0.00	3,476	178.52	0.00
19.80	0.00	3,476	178.52	0.00
19.90	0.00	3,476	178.52	0.00
20.00	0.00	3,476	178.52	0.00
20.10	0.00	3,476	178.52	0.00
20.20	0.00	3,476	178.52	0.00
20.30	0.00	3,476	178.52	0.00
20.40	0.00	3,476	178.52	0.00
20.50	0.00	3,476	178.52	0.00
20.60	0.00	3,476	178.52	0.00
20.70	0.00	3,476	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,476	178.52	0.00
20.90	0.00	3,476	178.52	0.00
21.00	0.00	3,476	178.52	0.00
21.10	0.00	3,476	178.52	0.00
21.20	0.00	3,476	178.52	0.00
21.30	0.00	3,476	178.52	0.00
21.40	0.00	3,476	178.52	0.00
21.50	0.00	3,476	178.52	0.00
21.60	0.00	3,476	178.52	0.00
21.70	0.00	3,476	178.52	0.00
21.80	0.00	3,476	178.52	0.00
21.90	0.00	3,476	178.52	0.00
22.00	0.00	3,476	178.52	0.00
22.10	0.00	3,476	178.52	0.00
22.20	0.00	3,476	178.52	0.00
22.30	0.00	3,476	178.52	0.00
22.40	0.00	3,475	178.52	0.00
22.50	0.00	3,475	178.52	0.00
22.60	0.00	3,475	178.52	0.00
22.70	0.00	3,475	178.52	0.00
22.80	0.00	3,475	178.52	0.00
22.90	0.00	3,475	178.52	0.00
23.00	0.00	3,475	178.52	0.00
23.10	0.00	3,475	178.52	0.00
23.20	0.00	3,475	178.52	0.00
23.30	0.00	3,475	178.52	0.00
23.40	0.00	3,475	178.52	0.00
23.50	0.00	3,475	178.52	0.00
23.60	0.00	3,475	178.52	0.00
23.70	0.00	3,475	178.52	0.00
23.80	0.00	3,475	178.52	0.00
23.90	0.00	3,475	178.52	0.00
24.00	0.00	3,475	178.52	0.00
24.10	0.00	3,475	178.52	0.00
24.20	0.00	3,475	178.52	0.00
24.30	0.00	3,475	178.52	0.00
24.40	0.00	3,475	178.52	0.00
24.50	0.00	3,475	178.52	0.00
24.60	0.00	3,475	178.52	0.00
24.70	0.00	3,475	178.52	0.00
24.80	0.00	3,475	178.52	0.00
24.90	0.00	3,475	178.52	0.00
25.00	0.00	3,475	178.52	0.00
25.10	0.00	3,475	178.52	0.00
25.20	0.00	3,475	178.52	0.00
25.30	0.00	3,475	178.52	0.00
25.40	0.00	3,475	178.52	0.00
25.50	0.00	3,475	178.52	0.00
25.60	0.00	3,475	178.52	0.00
25.70	0.00	3,475	178.52	0.00
25.80	0.00	3,475	178.52	0.00
25.90	0.00	3,475	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,475	178.52	0.00
26.10	0.00	3,475	178.52	0.00
26.20	0.00	3,475	178.52	0.00
26.30	0.00	3,475	178.52	0.00
26.40	0.00	3,475	178.52	0.00
26.50	0.00	3,475	178.52	0.00
26.60	0.00	3,475	178.52	0.00
26.70	0.00	3,475	178.52	0.00
26.80	0.00	3,475	178.52	0.00
26.90	0.00	3,475	178.52	0.00
27.00	0.00	3,475	178.52	0.00
27.10	0.00	3,475	178.52	0.00
27.20	0.00	3,475	178.52	0.00
27.30	0.00	3,475	178.52	0.00
27.40	0.00	3,475	178.52	0.00
27.50	0.00	3,475	178.52	0.00
27.60	0.00	3,475	178.52	0.00
27.70	0.00	3,475	178.52	0.00
27.80	0.00	3,475	178.52	0.00
27.90	0.00	3,475	178.52	0.00
28.00	0.00	3,475	178.52	0.00
28.10	0.00	3,475	178.52	0.00
28.20	0.00	3,475	178.52	0.00
28.30	0.00	3,475	178.52	0.00
28.40	0.00	3,475	178.52	0.00
28.50	0.00	3,475	178.52	0.00
28.60	0.00	3,475	178.52	0.00
28.70	0.00	3,475	178.52	0.00
28.80	0.00	3,475	178.52	0.00
28.90	0.00	3,475	178.52	0.00
29.00	0.00	3,475	178.52	0.00
29.10	0.00	3,475	178.52	0.00
29.20	0.00	3,475	178.52	0.00
29.30	0.00	3,475	178.52	0.00
29.40	0.00	3,475	178.52	0.00
29.50	0.00	3,475	178.52	0.00
29.60	0.00	3,475	178.52	0.00
29.70	0.00	3,475	178.52	0.00
29.80	0.00	3,475	178.52	0.00
29.90	0.00	3,475	178.52	0.00
30.00	0.00	3,475	178.52	0.00
30.10	0.00	3,475	178.52	0.00
30.20	0.00	3,475	178.52	0.00
30.30	0.00	3,475	178.52	0.00
30.40	0.00	3,475	178.52	0.00
30.50	0.00	3,475	178.52	0.00
30.60	0.00	3,475	178.52	0.00
30.70	0.00	3,475	178.52	0.00
30.80	0.00	3,475	178.52	0.00
30.90	0.00	3,475	178.52	0.00
31.00	0.00	3,475	178.52	0.00
31.10	0.00	3,475	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,475	178.52	0.00
31.30	0.00	3,475	178.52	0.00
31.40	0.00	3,475	178.52	0.00
31.50	0.00	3,475	178.52	0.00
31.60	0.00	3,475	178.52	0.00
31.70	0.00	3,475	178.52	0.00
31.80	0.00	3,475	178.52	0.00
31.90	0.00	3,475	178.52	0.00
32.00	0.00	3,475	178.52	0.00
32.10	0.00	3,475	178.52	0.00
32.20	0.00	3,475	178.52	0.00
32.30	0.00	3,475	178.52	0.00
32.40	0.00	3,475	178.52	0.00
32.50	0.00	3,475	178.52	0.00
32.60	0.00	3,475	178.52	0.00
32.70	0.00	3,475	178.52	0.00
32.80	0.00	3,475	178.52	0.00
32.90	0.00	3,475	178.52	0.00
33.00	0.00	3,475	178.52	0.00
33.10	0.00	3,475	178.52	0.00
33.20	0.00	3,475	178.52	0.00
33.30	0.00	3,475	178.52	0.00
33.40	0.00	3,475	178.52	0.00
33.50	0.00	3,475	178.52	0.00
33.60	0.00	3,475	178.52	0.00
33.70	0.00	3,475	178.52	0.00
33.80	0.00	3,475	178.52	0.00
33.90	0.00	3,475	178.52	0.00
34.00	0.00	3,475	178.52	0.00
34.10	0.00	3,475	178.52	0.00
34.20	0.00	3,475	178.52	0.00
34.30	0.00	3,475	178.52	0.00
34.40	0.00	3,475	178.52	0.00
34.50	0.00	3,475	178.52	0.00
34.60	0.00	3,475	178.52	0.00
34.70	0.00	3,475	178.52	0.00
34.80	0.00	3,475	178.52	0.00
34.90	0.00	3,475	178.52	0.00
35.00	0.00	3,475	178.52	0.00
35.10	0.00	3,475	178.52	0.00
35.20	0.00	3,475	178.52	0.00
35.30	0.00	3,475	178.52	0.00
35.40	0.00	3,475	178.52	0.00
35.50	0.00	3,475	178.52	0.00
35.60	0.00	3,475	178.52	0.00
35.70	0.00	3,475	178.52	0.00
35.80	0.00	3,475	178.52	0.00
35.90	0.00	3,475	178.52	0.00
36.00	0.00	3,475	178.52	0.00
36.10	0.00	3,475	178.52	0.00
36.20	0.00	3,475	178.52	0.00
36.30	0.00	3,475	178.52	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,475	178.52	0.00
36.50	0.00	3,475	178.52	0.00
36.60	0.00	3,475	178.52	0.00
36.70	0.00	3,475	178.52	0.00
36.80	0.00	3,475	178.52	0.00
36.90	0.00	3,475	178.52	0.00
37.00	0.00	3,475	178.52	0.00
37.10	0.00	3,475	178.52	0.00
37.20	0.00	3,475	178.52	0.00
37.30	0.00	3,475	178.52	0.00
37.40	0.00	3,475	178.52	0.00
37.50	0.00	3,475	178.52	0.00
37.60	0.00	3,475	178.52	0.00
37.70	0.00	3,475	178.52	0.00
37.80	0.00	3,475	178.52	0.00
37.90	0.00	3,475	178.52	0.00
38.00	0.00	3,475	178.52	0.00
38.10	0.00	3,475	178.52	0.00
38.20	0.00	3,475	178.52	0.00
38.30	0.00	3,475	178.52	0.00
38.40	0.00	3,475	178.52	0.00
38.50	0.00	3,475	178.52	0.00
38.60	0.00	3,475	178.52	0.00
38.70	0.00	3,475	178.52	0.00
38.80	0.00	3,475	178.52	0.00
38.90	0.00	3,475	178.52	0.00
39.00	0.00	3,475	178.52	0.00
39.10	0.00	3,475	178.52	0.00
39.20	0.00	3,475	178.52	0.00
39.30	0.00	3,475	178.52	0.00
39.40	0.00	3,475	178.52	0.00
39.50	0.00	3,475	178.52	0.00
39.60	0.00	3,475	178.52	0.00
39.70	0.00	3,475	178.52	0.00
39.80	0.00	3,475	178.52	0.00
39.90	0.00	3,475	178.52	0.00
40.00	0.00	3,475	178.52	0.00

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896	180.60	6,681	17,371
180.09	6,681	13,963	180.61	6,681	17,437
180.10	6,681	14,030	180.62	6,681	17,504
180.11	6,681	14,097	180.63	6,681	17,571
180.12	6,681	14,164	180.64	6,681	17,638
180.13	6,681	14,231	180.65	6,681	17,705
180.14	6,681	14,297	180.66	6,681	17,771
180.15	6,681	14,364	180.67	6,681	17,838
180.16	6,681	14,431	180.68	6,681	17,905
180.17	6,681	14,498	180.69	6,681	17,972
180.18	6,681	14,565	180.70	6,681	18,039
180.19	6,681	14,631	180.71	6,681	18,106
180.20	6,681	14,698	180.72	6,681	18,172
180.21	6,681	14,765	180.73	6,681	18,239
180.22	6,681	14,832	180.74	6,681	18,306
180.23	6,681	14,899	180.75	6,681	18,373
180.24	6,681	14,965	180.76	6,681	18,440
180.25	6,681	15,032	180.77	6,681	18,506
180.26	6,681	15,099	180.78	6,681	18,573
180.27	6,681	15,166	180.79	6,681	18,640
180.28	6,681	15,233	180.80	6,681	18,707
180.29	6,681	15,299	180.81	6,681	18,774
180.30	6,681	15,366	180.82	6,681	18,840
180.31	6,681	15,433	180.83	6,681	18,907
180.32	6,681	15,500	180.84	6,681	18,974
180.33	6,681	15,567	180.85	6,681	19,041
180.34	6,681	15,634	180.86	6,681	19,108
180.35	6,681	15,700	180.87	6,681	19,174
180.36	6,681	15,767	180.88	6,681	19,241
180.37	6,681	15,834	180.89	6,681	19,308
180.38	6,681	15,901	180.90	6,681	19,375
180.39	6,681	15,968	180.91	6,681	19,442
180.40	6,681	16,034	180.92	6,681	19,509
180.41	6,681	16,101	180.93	6,681	19,575
180.42	6,681	16,168	180.94	6,681	19,642
180.43	6,681	16,235	180.95	6,681	19,709
180.44	6,681	16,302	180.96	6,681	19,776
180.45	6,681	16,368	180.97	6,681	19,843
180.46	6,681	16,435	180.98	6,681	19,909
180.47	6,681	16,502	180.99	6,681	19,976
180.48	6,681	16,569	181.00	6,681	20,043
180.49	6,681	16,636	181.01	6,681	20,110
180.50	6,681	16,703	181.02	6,681	20,177
180.51	6,681	16,769	181.03	6,681	20,243
180.52	6,681	16,836	181.04	6,681	20,310
180.53	6,681	16,903	181.05	6,681	20,377
180.54	6,681	16,970	181.06	6,681	20,444
180.55	6,681	17,037	181.07	6,681	20,511
180.56	6,681	17,103	181.08	6,681	20,577
180.57	6,681	17,170	181.09	6,681	20,644
180.58	6,681	17,237	181.10	6,681	20,711
180.59	6,681	17,304	181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 0.49" for WQ Storm event
Inflow = 2.56 cfs @ 1.07 hrs, Volume= 0.077 af
Outflow = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af, Atten= 100%, Lag= 64.8 min
Primary = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 178.53' @ 2.15 hrs Surf.Area= 6,329 sf Storage= 3,366 cf

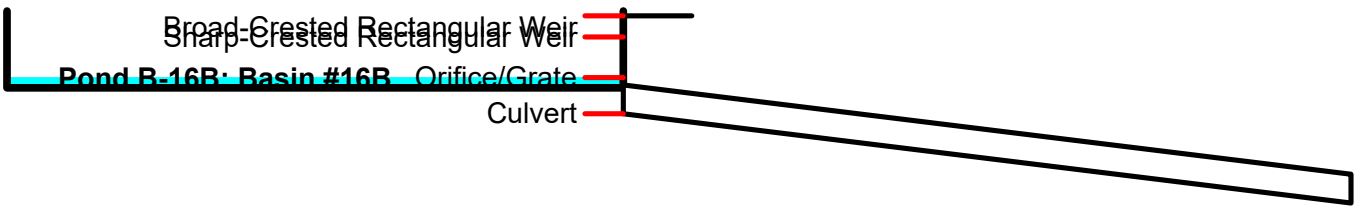
Plug-Flow detention time= 999.2 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 955.9 min (1,024.6 - 68.7)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

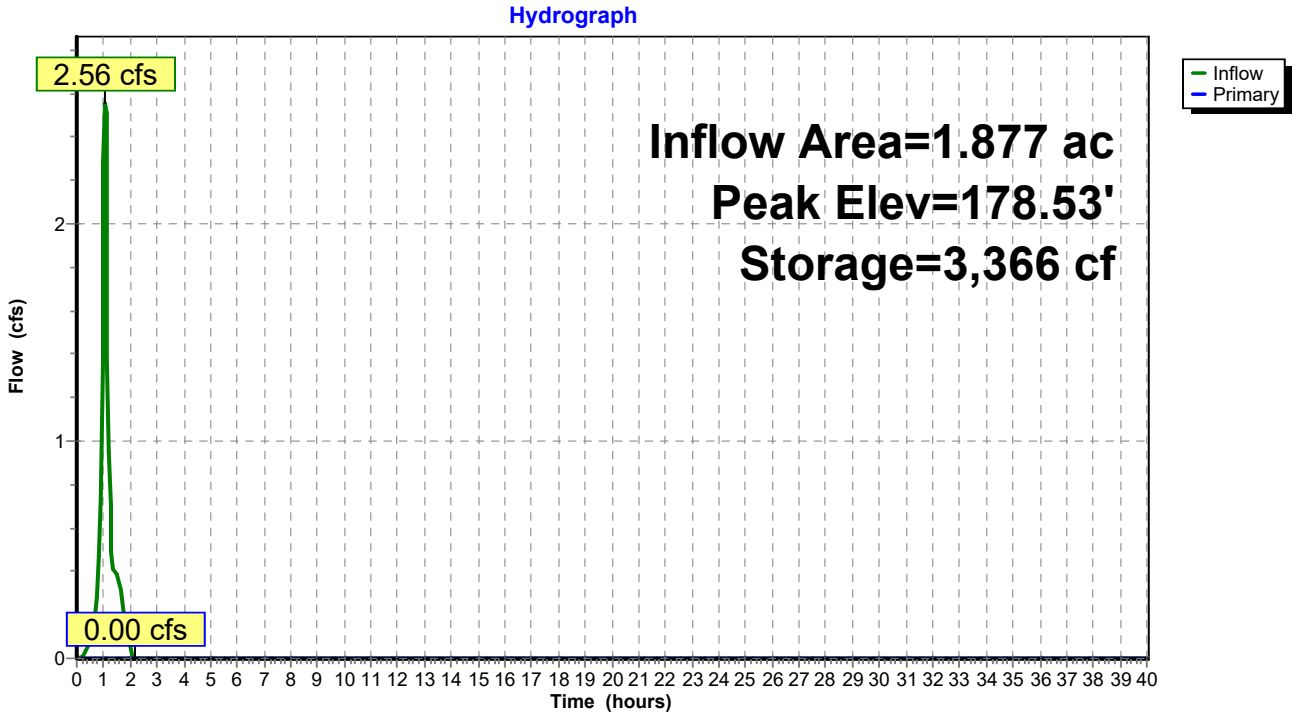
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.15 hrs HW=178.53' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 9.05 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.03	5	178.00	0.00
0.50	0.08	26	178.00	0.00
0.60	0.16	70	178.01	0.00
0.70	0.20	135	178.02	0.00
0.80	0.34	225	178.04	0.00
0.90	0.74	407	178.06	0.00
1.00	**2.29**	925	178.15	0.00
1.10	**2.51**	1,814	178.29	0.00
1.20	0.96	2,373	178.37	0.00
1.30	0.49	2,629	178.42	0.00
1.40	0.40	2,784	178.44	0.00
1.50	0.40	2,929	178.46	0.00
1.60	0.32	3,055	178.48	0.00
1.70	0.32	3,169	178.50	0.00
1.80	0.17	3,268	178.52	0.00
1.90	0.11	3,313	178.52	0.00
2.00	0.10	3,351	178.53	0.00
2.10	0.00	**3,366**	**178.53**	**0.00**
2.20	0.00	**3,366**	**178.53**	**0.00**
2.30	0.00	3,366	178.53	0.00
2.40	0.00	3,366	178.53	0.00
2.50	0.00	3,366	178.53	0.00
2.60	0.00	3,366	178.53	0.00
2.70	0.00	3,366	178.53	0.00
2.80	0.00	3,366	178.53	0.00
2.90	0.00	3,366	178.53	0.00
3.00	0.00	3,366	178.53	0.00
3.10	0.00	3,366	178.53	0.00
3.20	0.00	3,366	178.53	0.00
3.30	0.00	3,366	178.53	0.00
3.40	0.00	3,365	178.53	0.00
3.50	0.00	3,365	178.53	0.00
3.60	0.00	3,365	178.53	0.00
3.70	0.00	3,365	178.53	0.00
3.80	0.00	3,365	178.53	0.00
3.90	0.00	3,365	178.53	0.00
4.00	0.00	3,365	178.53	0.00
4.10	0.00	3,365	178.53	0.00
4.20	0.00	3,365	178.53	0.00
4.30	0.00	3,365	178.53	0.00
4.40	0.00	3,365	178.53	0.00
4.50	0.00	3,365	178.53	0.00
4.60	0.00	3,365	178.53	0.00
4.70	0.00	3,365	178.53	0.00
4.80	0.00	3,365	178.53	0.00
4.90	0.00	3,365	178.53	0.00
5.00	0.00	3,365	178.53	0.00
5.10	0.00	3,365	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,365	178.53	0.00
5.30	0.00	3,365	178.53	0.00
5.40	0.00	3,365	178.53	0.00
5.50	0.00	3,365	178.53	0.00
5.60	0.00	3,365	178.53	0.00
5.70	0.00	3,365	178.53	0.00
5.80	0.00	3,365	178.53	0.00
5.90	0.00	3,365	178.53	0.00
6.00	0.00	3,365	178.53	0.00
6.10	0.00	3,365	178.53	0.00
6.20	0.00	3,364	178.53	0.00
6.30	0.00	3,364	178.53	0.00
6.40	0.00	3,364	178.53	0.00
6.50	0.00	3,364	178.53	0.00
6.60	0.00	3,364	178.53	0.00
6.70	0.00	3,364	178.53	0.00
6.80	0.00	3,364	178.53	0.00
6.90	0.00	3,364	178.53	0.00
7.00	0.00	3,364	178.53	0.00
7.10	0.00	3,364	178.53	0.00
7.20	0.00	3,364	178.53	0.00
7.30	0.00	3,364	178.53	0.00
7.40	0.00	3,364	178.53	0.00
7.50	0.00	3,364	178.53	0.00
7.60	0.00	3,364	178.53	0.00
7.70	0.00	3,364	178.53	0.00
7.80	0.00	3,364	178.53	0.00
7.90	0.00	3,364	178.53	0.00
8.00	0.00	3,364	178.53	0.00
8.10	0.00	3,364	178.53	0.00
8.20	0.00	3,364	178.53	0.00
8.30	0.00	3,364	178.53	0.00
8.40	0.00	3,364	178.53	0.00
8.50	0.00	3,364	178.53	0.00
8.60	0.00	3,364	178.53	0.00
8.70	0.00	3,364	178.53	0.00
8.80	0.00	3,364	178.53	0.00
8.90	0.00	3,364	178.53	0.00
9.00	0.00	3,364	178.53	0.00
9.10	0.00	3,364	178.53	0.00
9.20	0.00	3,364	178.53	0.00
9.30	0.00	3,363	178.53	0.00
9.40	0.00	3,363	178.53	0.00
9.50	0.00	3,363	178.53	0.00
9.60	0.00	3,363	178.53	0.00
9.70	0.00	3,363	178.53	0.00
9.80	0.00	3,363	178.53	0.00
9.90	0.00	3,363	178.53	0.00
10.00	0.00	3,363	178.53	0.00
10.10	0.00	3,363	178.53	0.00
10.20	0.00	3,363	178.53	0.00
10.30	0.00	3,363	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,363	178.53	0.00
10.50	0.00	3,363	178.53	0.00
10.60	0.00	3,363	178.53	0.00
10.70	0.00	3,363	178.53	0.00
10.80	0.00	3,363	178.53	0.00
10.90	0.00	3,363	178.53	0.00
11.00	0.00	3,363	178.53	0.00
11.10	0.00	3,363	178.53	0.00
11.20	0.00	3,363	178.53	0.00
11.30	0.00	3,363	178.53	0.00
11.40	0.00	3,363	178.53	0.00
11.50	0.00	3,363	178.53	0.00
11.60	0.00	3,363	178.53	0.00
11.70	0.00	3,363	178.53	0.00
11.80	0.00	3,363	178.53	0.00
11.90	0.00	3,363	178.53	0.00
12.00	0.00	3,363	178.53	0.00
12.10	0.00	3,363	178.53	0.00
12.20	0.00	3,363	178.53	0.00
12.30	0.00	3,363	178.53	0.00
12.40	0.00	3,363	178.53	0.00
12.50	0.00	3,363	178.53	0.00
12.60	0.00	3,363	178.53	0.00
12.70	0.00	3,362	178.53	0.00
12.80	0.00	3,362	178.53	0.00
12.90	0.00	3,362	178.53	0.00
13.00	0.00	3,362	178.53	0.00
13.10	0.00	3,362	178.53	0.00
13.20	0.00	3,362	178.53	0.00
13.30	0.00	3,362	178.53	0.00
13.40	0.00	3,362	178.53	0.00
13.50	0.00	3,362	178.53	0.00
13.60	0.00	3,362	178.53	0.00
13.70	0.00	3,362	178.53	0.00
13.80	0.00	3,362	178.53	0.00
13.90	0.00	3,362	178.53	0.00
14.00	0.00	3,362	178.53	0.00
14.10	0.00	3,362	178.53	0.00
14.20	0.00	3,362	178.53	0.00
14.30	0.00	3,362	178.53	0.00
14.40	0.00	3,362	178.53	0.00
14.50	0.00	3,362	178.53	0.00
14.60	0.00	3,362	178.53	0.00
14.70	0.00	3,362	178.53	0.00
14.80	0.00	3,362	178.53	0.00
14.90	0.00	3,362	178.53	0.00
15.00	0.00	3,362	178.53	0.00
15.10	0.00	3,362	178.53	0.00
15.20	0.00	3,362	178.53	0.00
15.30	0.00	3,362	178.53	0.00
15.40	0.00	3,362	178.53	0.00
15.50	0.00	3,362	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,362	178.53	0.00
15.70	0.00	3,362	178.53	0.00
15.80	0.00	3,362	178.53	0.00
15.90	0.00	3,362	178.53	0.00
16.00	0.00	3,362	178.53	0.00
16.10	0.00	3,362	178.53	0.00
16.20	0.00	3,362	178.53	0.00
16.30	0.00	3,362	178.53	0.00
16.40	0.00	3,362	178.53	0.00
16.50	0.00	3,362	178.53	0.00
16.60	0.00	3,361	178.53	0.00
16.70	0.00	3,361	178.53	0.00
16.80	0.00	3,361	178.53	0.00
16.90	0.00	3,361	178.53	0.00
17.00	0.00	3,361	178.53	0.00
17.10	0.00	3,361	178.53	0.00
17.20	0.00	3,361	178.53	0.00
17.30	0.00	3,361	178.53	0.00
17.40	0.00	3,361	178.53	0.00
17.50	0.00	3,361	178.53	0.00
17.60	0.00	3,361	178.53	0.00
17.70	0.00	3,361	178.53	0.00
17.80	0.00	3,361	178.53	0.00
17.90	0.00	3,361	178.53	0.00
18.00	0.00	3,361	178.53	0.00
18.10	0.00	3,361	178.53	0.00
18.20	0.00	3,361	178.53	0.00
18.30	0.00	3,361	178.53	0.00
18.40	0.00	3,361	178.53	0.00
18.50	0.00	3,361	178.53	0.00
18.60	0.00	3,361	178.53	0.00
18.70	0.00	3,361	178.53	0.00
18.80	0.00	3,361	178.53	0.00
18.90	0.00	3,361	178.53	0.00
19.00	0.00	3,361	178.53	0.00
19.10	0.00	3,361	178.53	0.00
19.20	0.00	3,361	178.53	0.00
19.30	0.00	3,361	178.53	0.00
19.40	0.00	3,361	178.53	0.00
19.50	0.00	3,361	178.53	0.00
19.60	0.00	3,361	178.53	0.00
19.70	0.00	3,361	178.53	0.00
19.80	0.00	3,361	178.53	0.00
19.90	0.00	3,361	178.53	0.00
20.00	0.00	3,361	178.53	0.00
20.10	0.00	3,361	178.53	0.00
20.20	0.00	3,361	178.53	0.00
20.30	0.00	3,361	178.53	0.00
20.40	0.00	3,361	178.53	0.00
20.50	0.00	3,361	178.53	0.00
20.60	0.00	3,361	178.53	0.00
20.70	0.00	3,361	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,361	178.53	0.00
20.90	0.00	3,361	178.53	0.00
21.00	0.00	3,361	178.53	0.00
21.10	0.00	3,360	178.53	0.00
21.20	0.00	3,360	178.53	0.00
21.30	0.00	3,360	178.53	0.00
21.40	0.00	3,360	178.53	0.00
21.50	0.00	3,360	178.53	0.00
21.60	0.00	3,360	178.53	0.00
21.70	0.00	3,360	178.53	0.00
21.80	0.00	3,360	178.53	0.00
21.90	0.00	3,360	178.53	0.00
22.00	0.00	3,360	178.53	0.00
22.10	0.00	3,360	178.53	0.00
22.20	0.00	3,360	178.53	0.00
22.30	0.00	3,360	178.53	0.00
22.40	0.00	3,360	178.53	0.00
22.50	0.00	3,360	178.53	0.00
22.60	0.00	3,360	178.53	0.00
22.70	0.00	3,360	178.53	0.00
22.80	0.00	3,360	178.53	0.00
22.90	0.00	3,360	178.53	0.00
23.00	0.00	3,360	178.53	0.00
23.10	0.00	3,360	178.53	0.00
23.20	0.00	3,360	178.53	0.00
23.30	0.00	3,360	178.53	0.00
23.40	0.00	3,360	178.53	0.00
23.50	0.00	3,360	178.53	0.00
23.60	0.00	3,360	178.53	0.00
23.70	0.00	3,360	178.53	0.00
23.80	0.00	3,360	178.53	0.00
23.90	0.00	3,360	178.53	0.00
24.00	0.00	3,360	178.53	0.00
24.10	0.00	3,360	178.53	0.00
24.20	0.00	3,360	178.53	0.00
24.30	0.00	3,360	178.53	0.00
24.40	0.00	3,360	178.53	0.00
24.50	0.00	3,360	178.53	0.00
24.60	0.00	3,360	178.53	0.00
24.70	0.00	3,360	178.53	0.00
24.80	0.00	3,360	178.53	0.00
24.90	0.00	3,360	178.53	0.00
25.00	0.00	3,360	178.53	0.00
25.10	0.00	3,360	178.53	0.00
25.20	0.00	3,360	178.53	0.00
25.30	0.00	3,360	178.53	0.00
25.40	0.00	3,360	178.53	0.00
25.50	0.00	3,360	178.53	0.00
25.60	0.00	3,360	178.53	0.00
25.70	0.00	3,360	178.53	0.00
25.80	0.00	3,360	178.53	0.00
25.90	0.00	3,360	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,360	178.53	0.00
26.10	0.00	3,360	178.53	0.00
26.20	0.00	3,360	178.53	0.00
26.30	0.00	3,359	178.53	0.00
26.40	0.00	3,359	178.53	0.00
26.50	0.00	3,359	178.53	0.00
26.60	0.00	3,359	178.53	0.00
26.70	0.00	3,359	178.53	0.00
26.80	0.00	3,359	178.53	0.00
26.90	0.00	3,359	178.53	0.00
27.00	0.00	3,359	178.53	0.00
27.10	0.00	3,359	178.53	0.00
27.20	0.00	3,359	178.53	0.00
27.30	0.00	3,359	178.53	0.00
27.40	0.00	3,359	178.53	0.00
27.50	0.00	3,359	178.53	0.00
27.60	0.00	3,359	178.53	0.00
27.70	0.00	3,359	178.53	0.00
27.80	0.00	3,359	178.53	0.00
27.90	0.00	3,359	178.53	0.00
28.00	0.00	3,359	178.53	0.00
28.10	0.00	3,359	178.53	0.00
28.20	0.00	3,359	178.53	0.00
28.30	0.00	3,359	178.53	0.00
28.40	0.00	3,359	178.53	0.00
28.50	0.00	3,359	178.53	0.00
28.60	0.00	3,359	178.53	0.00
28.70	0.00	3,359	178.53	0.00
28.80	0.00	3,359	178.53	0.00
28.90	0.00	3,359	178.53	0.00
29.00	0.00	3,359	178.53	0.00
29.10	0.00	3,359	178.53	0.00
29.20	0.00	3,359	178.53	0.00
29.30	0.00	3,359	178.53	0.00
29.40	0.00	3,359	178.53	0.00
29.50	0.00	3,359	178.53	0.00
29.60	0.00	3,359	178.53	0.00
29.70	0.00	3,359	178.53	0.00
29.80	0.00	3,359	178.53	0.00
29.90	0.00	3,359	178.53	0.00
30.00	0.00	3,359	178.53	0.00
30.10	0.00	3,359	178.53	0.00
30.20	0.00	3,359	178.53	0.00
30.30	0.00	3,359	178.53	0.00
30.40	0.00	3,359	178.53	0.00
30.50	0.00	3,359	178.53	0.00
30.60	0.00	3,359	178.53	0.00
30.70	0.00	3,359	178.53	0.00
30.80	0.00	3,359	178.53	0.00
30.90	0.00	3,359	178.53	0.00
31.00	0.00	3,359	178.53	0.00
31.10	0.00	3,359	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,359	178.53	0.00
31.30	0.00	3,359	178.53	0.00
31.40	0.00	3,359	178.53	0.00
31.50	0.00	3,359	178.53	0.00
31.60	0.00	3,359	178.53	0.00
31.70	0.00	3,359	178.53	0.00
31.80	0.00	3,359	178.53	0.00
31.90	0.00	3,359	178.53	0.00
32.00	0.00	3,359	178.53	0.00
32.10	0.00	3,359	178.53	0.00
32.20	0.00	3,359	178.53	0.00
32.30	0.00	3,359	178.53	0.00
32.40	0.00	3,359	178.53	0.00
32.50	0.00	3,359	178.53	0.00
32.60	0.00	3,359	178.53	0.00
32.70	0.00	3,359	178.53	0.00
32.80	0.00	3,358	178.53	0.00
32.90	0.00	3,358	178.53	0.00
33.00	0.00	3,358	178.53	0.00
33.10	0.00	3,358	178.53	0.00
33.20	0.00	3,358	178.53	0.00
33.30	0.00	3,358	178.53	0.00
33.40	0.00	3,358	178.53	0.00
33.50	0.00	3,358	178.53	0.00
33.60	0.00	3,358	178.53	0.00
33.70	0.00	3,358	178.53	0.00
33.80	0.00	3,358	178.53	0.00
33.90	0.00	3,358	178.53	0.00
34.00	0.00	3,358	178.53	0.00
34.10	0.00	3,358	178.53	0.00
34.20	0.00	3,358	178.53	0.00
34.30	0.00	3,358	178.53	0.00
34.40	0.00	3,358	178.53	0.00
34.50	0.00	3,358	178.53	0.00
34.60	0.00	3,358	178.53	0.00
34.70	0.00	3,358	178.53	0.00
34.80	0.00	3,358	178.53	0.00
34.90	0.00	3,358	178.53	0.00
35.00	0.00	3,358	178.53	0.00
35.10	0.00	3,358	178.53	0.00
35.20	0.00	3,358	178.53	0.00
35.30	0.00	3,358	178.53	0.00
35.40	0.00	3,358	178.53	0.00
35.50	0.00	3,358	178.53	0.00
35.60	0.00	3,358	178.53	0.00
35.70	0.00	3,358	178.53	0.00
35.80	0.00	3,358	178.53	0.00
35.90	0.00	3,358	178.53	0.00
36.00	0.00	3,358	178.53	0.00
36.10	0.00	3,358	178.53	0.00
36.20	0.00	3,358	178.53	0.00
36.30	0.00	3,358	178.53	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,358	178.53	0.00
36.50	0.00	3,358	178.53	0.00
36.60	0.00	3,358	178.53	0.00
36.70	0.00	3,358	178.53	0.00
36.80	0.00	3,358	178.53	0.00
36.90	0.00	3,358	178.53	0.00
37.00	0.00	3,358	178.53	0.00
37.10	0.00	3,358	178.53	0.00
37.20	0.00	3,358	178.53	0.00
37.30	0.00	3,358	178.53	0.00
37.40	0.00	3,358	178.53	0.00
37.50	0.00	3,358	178.53	0.00
37.60	0.00	3,358	178.53	0.00
37.70	0.00	3,358	178.53	0.00
37.80	0.00	3,358	178.53	0.00
37.90	0.00	3,358	178.53	0.00
38.00	0.00	3,358	178.53	0.00
38.10	0.00	3,358	178.53	0.00
38.20	0.00	3,358	178.53	0.00
38.30	0.00	3,358	178.53	0.00
38.40	0.00	3,358	178.53	0.00
38.50	0.00	3,358	178.53	0.00
38.60	0.00	3,358	178.53	0.00
38.70	0.00	3,358	178.53	0.00
38.80	0.00	3,358	178.53	0.00
38.90	0.00	3,358	178.53	0.00
39.00	0.00	3,358	178.53	0.00
39.10	0.00	3,358	178.53	0.00
39.20	0.00	3,358	178.53	0.00
39.30	0.00	3,358	178.53	0.00
39.40	0.00	3,358	178.53	0.00
39.50	0.00	3,358	178.53	0.00
39.60	0.00	3,358	178.53	0.00
39.70	0.00	3,358	178.53	0.00
39.80	0.00	3,358	178.53	0.00
39.90	0.00	3,358	178.53	0.00
40.00	0.00	3,358	178.53	0.00

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 0.21" for WQ Storm event
Inflow = 0.73 cfs @ 1.09 hrs, Volume= 0.024 af
Outflow = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af, Atten= 100%, Lag= 63.6 min
Primary = 0.00 cfs @ 2.15 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.18' @ 2.15 hrs Surf.Area= 5,690 sf Storage= 1,028 cf

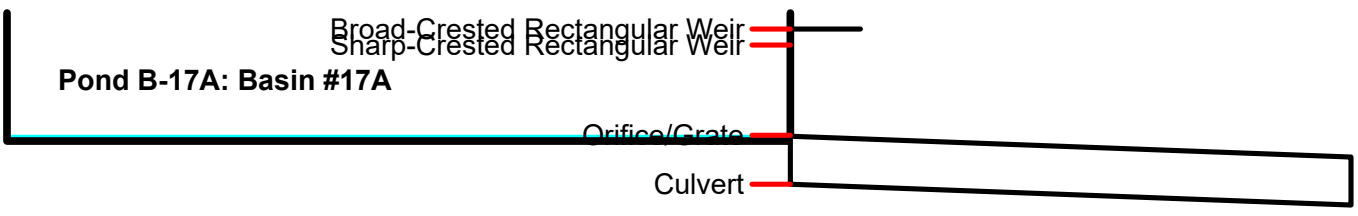
Plug-Flow detention time= 1,048.2 min calculated for 0.000 af (1% of inflow)
Center-of-Mass det. time= 1,006.8 min (1,079.2 - 72.4)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

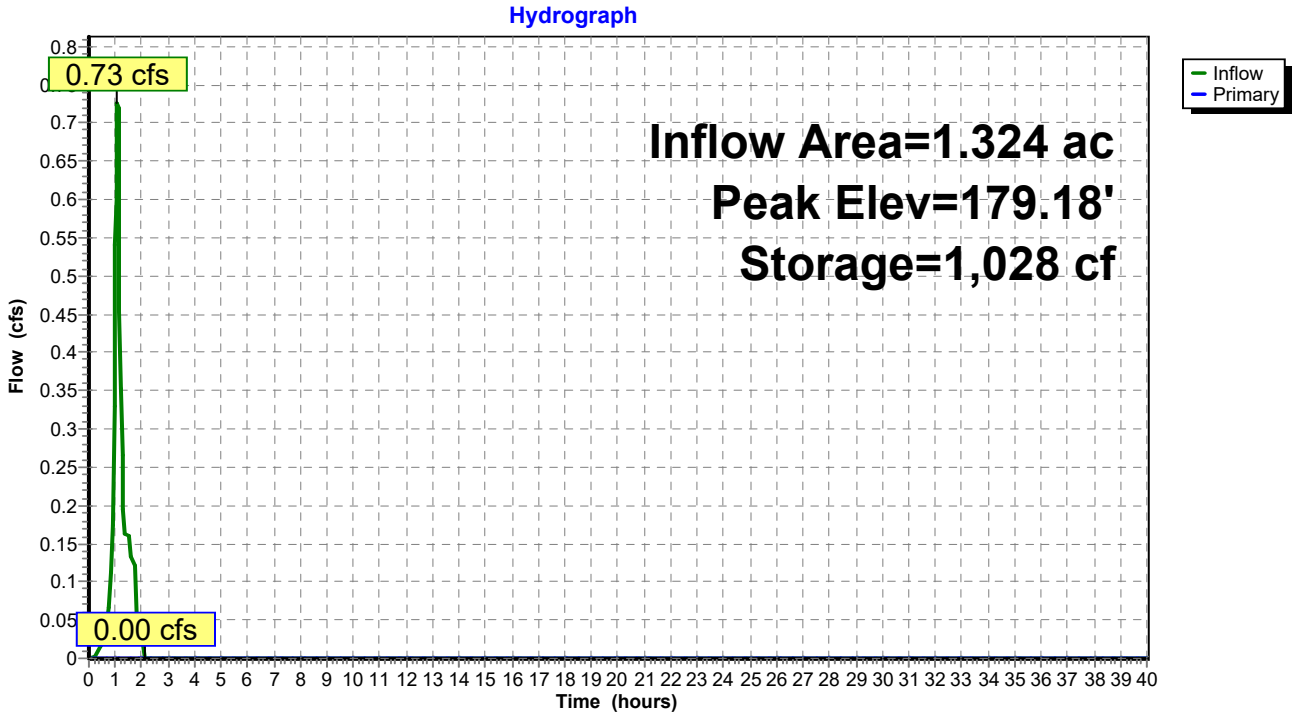
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.15 hrs HW=179.18' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 7.53 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.20 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.01	1	179.00	0.00
0.50	0.02	6	179.00	0.00
0.60	0.04	17	179.00	0.00
0.70	0.05	32	179.01	0.00
0.80	0.08	53	179.01	0.00
0.90	0.18	96	179.02	0.00
1.00	0.54	220	179.04	0.00
1.10	**0.72**	442	179.08	0.00
1.20	0.35	620	179.11	0.00
1.30	0.19	717	179.13	0.00
1.40	0.16	779	179.14	0.00
1.50	0.17	838	179.15	0.00
1.60	0.13	891	179.16	0.00
1.70	0.14	940	179.17	0.00
1.80	0.08	983	179.18	0.00
1.90	0.05	1,004	179.18	0.00
2.00	0.05	1,020	179.18	0.00
2.10	0.00	**1,027**	**179.18**	**0.00**
2.20	0.00	**1,028**	**179.18**	**0.00**
2.30	0.00	1,027	179.18	0.00
2.40	0.00	1,027	179.18	0.00
2.50	0.00	1,027	179.18	0.00
2.60	0.00	1,027	179.18	0.00
2.70	0.00	1,027	179.18	0.00
2.80	0.00	1,027	179.18	0.00
2.90	0.00	1,027	179.18	0.00
3.00	0.00	1,027	179.18	0.00
3.10	0.00	1,027	179.18	0.00
3.20	0.00	1,027	179.18	0.00
3.30	0.00	1,027	179.18	0.00
3.40	0.00	1,027	179.18	0.00
3.50	0.00	1,027	179.18	0.00
3.60	0.00	1,027	179.18	0.00
3.70	0.00	1,027	179.18	0.00
3.80	0.00	1,027	179.18	0.00
3.90	0.00	1,027	179.18	0.00
4.00	0.00	1,027	179.18	0.00
4.10	0.00	1,027	179.18	0.00
4.20	0.00	1,027	179.18	0.00
4.30	0.00	1,026	179.18	0.00
4.40	0.00	1,026	179.18	0.00
4.50	0.00	1,026	179.18	0.00
4.60	0.00	1,026	179.18	0.00
4.70	0.00	1,026	179.18	0.00
4.80	0.00	1,026	179.18	0.00
4.90	0.00	1,026	179.18	0.00
5.00	0.00	1,026	179.18	0.00
5.10	0.00	1,026	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	1,026	179.18	0.00
5.30	0.00	1,026	179.18	0.00
5.40	0.00	1,026	179.18	0.00
5.50	0.00	1,026	179.18	0.00
5.60	0.00	1,026	179.18	0.00
5.70	0.00	1,026	179.18	0.00
5.80	0.00	1,026	179.18	0.00
5.90	0.00	1,026	179.18	0.00
6.00	0.00	1,026	179.18	0.00
6.10	0.00	1,026	179.18	0.00
6.20	0.00	1,026	179.18	0.00
6.30	0.00	1,026	179.18	0.00
6.40	0.00	1,026	179.18	0.00
6.50	0.00	1,025	179.18	0.00
6.60	0.00	1,025	179.18	0.00
6.70	0.00	1,025	179.18	0.00
6.80	0.00	1,025	179.18	0.00
6.90	0.00	1,025	179.18	0.00
7.00	0.00	1,025	179.18	0.00
7.10	0.00	1,025	179.18	0.00
7.20	0.00	1,025	179.18	0.00
7.30	0.00	1,025	179.18	0.00
7.40	0.00	1,025	179.18	0.00
7.50	0.00	1,025	179.18	0.00
7.60	0.00	1,025	179.18	0.00
7.70	0.00	1,025	179.18	0.00
7.80	0.00	1,025	179.18	0.00
7.90	0.00	1,025	179.18	0.00
8.00	0.00	1,025	179.18	0.00
8.10	0.00	1,025	179.18	0.00
8.20	0.00	1,025	179.18	0.00
8.30	0.00	1,025	179.18	0.00
8.40	0.00	1,025	179.18	0.00
8.50	0.00	1,025	179.18	0.00
8.60	0.00	1,025	179.18	0.00
8.70	0.00	1,024	179.18	0.00
8.80	0.00	1,024	179.18	0.00
8.90	0.00	1,024	179.18	0.00
9.00	0.00	1,024	179.18	0.00
9.10	0.00	1,024	179.18	0.00
9.20	0.00	1,024	179.18	0.00
9.30	0.00	1,024	179.18	0.00
9.40	0.00	1,024	179.18	0.00
9.50	0.00	1,024	179.18	0.00
9.60	0.00	1,024	179.18	0.00
9.70	0.00	1,024	179.18	0.00
9.80	0.00	1,024	179.18	0.00
9.90	0.00	1,024	179.18	0.00
10.00	0.00	1,024	179.18	0.00
10.10	0.00	1,024	179.18	0.00
10.20	0.00	1,024	179.18	0.00
10.30	0.00	1,024	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	1,024	179.18	0.00
10.50	0.00	1,024	179.18	0.00
10.60	0.00	1,024	179.18	0.00
10.70	0.00	1,024	179.18	0.00
10.80	0.00	1,024	179.18	0.00
10.90	0.00	1,024	179.18	0.00
11.00	0.00	1,024	179.18	0.00
11.10	0.00	1,023	179.18	0.00
11.20	0.00	1,023	179.18	0.00
11.30	0.00	1,023	179.18	0.00
11.40	0.00	1,023	179.18	0.00
11.50	0.00	1,023	179.18	0.00
11.60	0.00	1,023	179.18	0.00
11.70	0.00	1,023	179.18	0.00
11.80	0.00	1,023	179.18	0.00
11.90	0.00	1,023	179.18	0.00
12.00	0.00	1,023	179.18	0.00
12.10	0.00	1,023	179.18	0.00
12.20	0.00	1,023	179.18	0.00
12.30	0.00	1,023	179.18	0.00
12.40	0.00	1,023	179.18	0.00
12.50	0.00	1,023	179.18	0.00
12.60	0.00	1,023	179.18	0.00
12.70	0.00	1,023	179.18	0.00
12.80	0.00	1,023	179.18	0.00
12.90	0.00	1,023	179.18	0.00
13.00	0.00	1,023	179.18	0.00
13.10	0.00	1,023	179.18	0.00
13.20	0.00	1,023	179.18	0.00
13.30	0.00	1,023	179.18	0.00
13.40	0.00	1,023	179.18	0.00
13.50	0.00	1,023	179.18	0.00
13.60	0.00	1,023	179.18	0.00
13.70	0.00	1,022	179.18	0.00
13.80	0.00	1,022	179.18	0.00
13.90	0.00	1,022	179.18	0.00
14.00	0.00	1,022	179.18	0.00
14.10	0.00	1,022	179.18	0.00
14.20	0.00	1,022	179.18	0.00
14.30	0.00	1,022	179.18	0.00
14.40	0.00	1,022	179.18	0.00
14.50	0.00	1,022	179.18	0.00
14.60	0.00	1,022	179.18	0.00
14.70	0.00	1,022	179.18	0.00
14.80	0.00	1,022	179.18	0.00
14.90	0.00	1,022	179.18	0.00
15.00	0.00	1,022	179.18	0.00
15.10	0.00	1,022	179.18	0.00
15.20	0.00	1,022	179.18	0.00
15.30	0.00	1,022	179.18	0.00
15.40	0.00	1,022	179.18	0.00
15.50	0.00	1,022	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	1,022	179.18	0.00
15.70	0.00	1,022	179.18	0.00
15.80	0.00	1,022	179.18	0.00
15.90	0.00	1,022	179.18	0.00
16.00	0.00	1,022	179.18	0.00
16.10	0.00	1,022	179.18	0.00
16.20	0.00	1,022	179.18	0.00
16.30	0.00	1,022	179.18	0.00
16.40	0.00	1,021	179.18	0.00
16.50	0.00	1,021	179.18	0.00
16.60	0.00	1,021	179.18	0.00
16.70	0.00	1,021	179.18	0.00
16.80	0.00	1,021	179.18	0.00
16.90	0.00	1,021	179.18	0.00
17.00	0.00	1,021	179.18	0.00
17.10	0.00	1,021	179.18	0.00
17.20	0.00	1,021	179.18	0.00
17.30	0.00	1,021	179.18	0.00
17.40	0.00	1,021	179.18	0.00
17.50	0.00	1,021	179.18	0.00
17.60	0.00	1,021	179.18	0.00
17.70	0.00	1,021	179.18	0.00
17.80	0.00	1,021	179.18	0.00
17.90	0.00	1,021	179.18	0.00
18.00	0.00	1,021	179.18	0.00
18.10	0.00	1,021	179.18	0.00
18.20	0.00	1,021	179.18	0.00
18.30	0.00	1,021	179.18	0.00
18.40	0.00	1,021	179.18	0.00
18.50	0.00	1,021	179.18	0.00
18.60	0.00	1,021	179.18	0.00
18.70	0.00	1,021	179.18	0.00
18.80	0.00	1,021	179.18	0.00
18.90	0.00	1,021	179.18	0.00
19.00	0.00	1,021	179.18	0.00
19.10	0.00	1,021	179.18	0.00
19.20	0.00	1,021	179.18	0.00
19.30	0.00	1,020	179.18	0.00
19.40	0.00	1,020	179.18	0.00
19.50	0.00	1,020	179.18	0.00
19.60	0.00	1,020	179.18	0.00
19.70	0.00	1,020	179.18	0.00
19.80	0.00	1,020	179.18	0.00
19.90	0.00	1,020	179.18	0.00
20.00	0.00	1,020	179.18	0.00
20.10	0.00	1,020	179.18	0.00
20.20	0.00	1,020	179.18	0.00
20.30	0.00	1,020	179.18	0.00
20.40	0.00	1,020	179.18	0.00
20.50	0.00	1,020	179.18	0.00
20.60	0.00	1,020	179.18	0.00
20.70	0.00	1,020	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	1,020	179.18	0.00
20.90	0.00	1,020	179.18	0.00
21.00	0.00	1,020	179.18	0.00
21.10	0.00	1,020	179.18	0.00
21.20	0.00	1,020	179.18	0.00
21.30	0.00	1,020	179.18	0.00
21.40	0.00	1,020	179.18	0.00
21.50	0.00	1,020	179.18	0.00
21.60	0.00	1,020	179.18	0.00
21.70	0.00	1,020	179.18	0.00
21.80	0.00	1,020	179.18	0.00
21.90	0.00	1,020	179.18	0.00
22.00	0.00	1,020	179.18	0.00
22.10	0.00	1,020	179.18	0.00
22.20	0.00	1,020	179.18	0.00
22.30	0.00	1,020	179.18	0.00
22.40	0.00	1,020	179.18	0.00
22.50	0.00	1,019	179.18	0.00
22.60	0.00	1,019	179.18	0.00
22.70	0.00	1,019	179.18	0.00
22.80	0.00	1,019	179.18	0.00
22.90	0.00	1,019	179.18	0.00
23.00	0.00	1,019	179.18	0.00
23.10	0.00	1,019	179.18	0.00
23.20	0.00	1,019	179.18	0.00
23.30	0.00	1,019	179.18	0.00
23.40	0.00	1,019	179.18	0.00
23.50	0.00	1,019	179.18	0.00
23.60	0.00	1,019	179.18	0.00
23.70	0.00	1,019	179.18	0.00
23.80	0.00	1,019	179.18	0.00
23.90	0.00	1,019	179.18	0.00
24.00	0.00	1,019	179.18	0.00
24.10	0.00	1,019	179.18	0.00
24.20	0.00	1,019	179.18	0.00
24.30	0.00	1,019	179.18	0.00
24.40	0.00	1,019	179.18	0.00
24.50	0.00	1,019	179.18	0.00
24.60	0.00	1,019	179.18	0.00
24.70	0.00	1,019	179.18	0.00
24.80	0.00	1,019	179.18	0.00
24.90	0.00	1,019	179.18	0.00
25.00	0.00	1,019	179.18	0.00
25.10	0.00	1,019	179.18	0.00
25.20	0.00	1,019	179.18	0.00
25.30	0.00	1,019	179.18	0.00
25.40	0.00	1,019	179.18	0.00
25.50	0.00	1,019	179.18	0.00
25.60	0.00	1,019	179.18	0.00
25.70	0.00	1,019	179.18	0.00
25.80	0.00	1,019	179.18	0.00
25.90	0.00	1,018	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	1,018	179.18	0.00
26.10	0.00	1,018	179.18	0.00
26.20	0.00	1,018	179.18	0.00
26.30	0.00	1,018	179.18	0.00
26.40	0.00	1,018	179.18	0.00
26.50	0.00	1,018	179.18	0.00
26.60	0.00	1,018	179.18	0.00
26.70	0.00	1,018	179.18	0.00
26.80	0.00	1,018	179.18	0.00
26.90	0.00	1,018	179.18	0.00
27.00	0.00	1,018	179.18	0.00
27.10	0.00	1,018	179.18	0.00
27.20	0.00	1,018	179.18	0.00
27.30	0.00	1,018	179.18	0.00
27.40	0.00	1,018	179.18	0.00
27.50	0.00	1,018	179.18	0.00
27.60	0.00	1,018	179.18	0.00
27.70	0.00	1,018	179.18	0.00
27.80	0.00	1,018	179.18	0.00
27.90	0.00	1,018	179.18	0.00
28.00	0.00	1,018	179.18	0.00
28.10	0.00	1,018	179.18	0.00
28.20	0.00	1,018	179.18	0.00
28.30	0.00	1,018	179.18	0.00
28.40	0.00	1,018	179.18	0.00
28.50	0.00	1,018	179.18	0.00
28.60	0.00	1,018	179.18	0.00
28.70	0.00	1,018	179.18	0.00
28.80	0.00	1,018	179.18	0.00
28.90	0.00	1,018	179.18	0.00
29.00	0.00	1,018	179.18	0.00
29.10	0.00	1,018	179.18	0.00
29.20	0.00	1,018	179.18	0.00
29.30	0.00	1,018	179.18	0.00
29.40	0.00	1,018	179.18	0.00
29.50	0.00	1,018	179.18	0.00
29.60	0.00	1,018	179.18	0.00
29.70	0.00	1,017	179.18	0.00
29.80	0.00	1,017	179.18	0.00
29.90	0.00	1,017	179.18	0.00
30.00	0.00	1,017	179.18	0.00
30.10	0.00	1,017	179.18	0.00
30.20	0.00	1,017	179.18	0.00
30.30	0.00	1,017	179.18	0.00
30.40	0.00	1,017	179.18	0.00
30.50	0.00	1,017	179.18	0.00
30.60	0.00	1,017	179.18	0.00
30.70	0.00	1,017	179.18	0.00
30.80	0.00	1,017	179.18	0.00
30.90	0.00	1,017	179.18	0.00
31.00	0.00	1,017	179.18	0.00
31.10	0.00	1,017	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	1,017	179.18	0.00
31.30	0.00	1,017	179.18	0.00
31.40	0.00	1,017	179.18	0.00
31.50	0.00	1,017	179.18	0.00
31.60	0.00	1,017	179.18	0.00
31.70	0.00	1,017	179.18	0.00
31.80	0.00	1,017	179.18	0.00
31.90	0.00	1,017	179.18	0.00
32.00	0.00	1,017	179.18	0.00
32.10	0.00	1,017	179.18	0.00
32.20	0.00	1,017	179.18	0.00
32.30	0.00	1,017	179.18	0.00
32.40	0.00	1,017	179.18	0.00
32.50	0.00	1,017	179.18	0.00
32.60	0.00	1,017	179.18	0.00
32.70	0.00	1,017	179.18	0.00
32.80	0.00	1,017	179.18	0.00
32.90	0.00	1,017	179.18	0.00
33.00	0.00	1,017	179.18	0.00
33.10	0.00	1,017	179.18	0.00
33.20	0.00	1,017	179.18	0.00
33.30	0.00	1,017	179.18	0.00
33.40	0.00	1,017	179.18	0.00
33.50	0.00	1,017	179.18	0.00
33.60	0.00	1,017	179.18	0.00
33.70	0.00	1,017	179.18	0.00
33.80	0.00	1,016	179.18	0.00
33.90	0.00	1,016	179.18	0.00
34.00	0.00	1,016	179.18	0.00
34.10	0.00	1,016	179.18	0.00
34.20	0.00	1,016	179.18	0.00
34.30	0.00	1,016	179.18	0.00
34.40	0.00	1,016	179.18	0.00
34.50	0.00	1,016	179.18	0.00
34.60	0.00	1,016	179.18	0.00
34.70	0.00	1,016	179.18	0.00
34.80	0.00	1,016	179.18	0.00
34.90	0.00	1,016	179.18	0.00
35.00	0.00	1,016	179.18	0.00
35.10	0.00	1,016	179.18	0.00
35.20	0.00	1,016	179.18	0.00
35.30	0.00	1,016	179.18	0.00
35.40	0.00	1,016	179.18	0.00
35.50	0.00	1,016	179.18	0.00
35.60	0.00	1,016	179.18	0.00
35.70	0.00	1,016	179.18	0.00
35.80	0.00	1,016	179.18	0.00
35.90	0.00	1,016	179.18	0.00
36.00	0.00	1,016	179.18	0.00
36.10	0.00	1,016	179.18	0.00
36.20	0.00	1,016	179.18	0.00
36.30	0.00	1,016	179.18	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	1,016	179.18	0.00
36.50	0.00	1,016	179.18	0.00
36.60	0.00	1,016	179.18	0.00
36.70	0.00	1,016	179.18	0.00
36.80	0.00	1,016	179.18	0.00
36.90	0.00	1,016	179.18	0.00
37.00	0.00	1,016	179.18	0.00
37.10	0.00	1,016	179.18	0.00
37.20	0.00	1,016	179.18	0.00
37.30	0.00	1,016	179.18	0.00
37.40	0.00	1,016	179.18	0.00
37.50	0.00	1,016	179.18	0.00
37.60	0.00	1,016	179.18	0.00
37.70	0.00	1,016	179.18	0.00
37.80	0.00	1,016	179.18	0.00
37.90	0.00	1,016	179.18	0.00
38.00	0.00	1,016	179.18	0.00
38.10	0.00	1,016	179.18	0.00
38.20	0.00	1,016	179.18	0.00
38.30	0.00	1,016	179.18	0.00
38.40	0.00	1,016	179.18	0.00
38.50	0.00	1,015	179.18	0.00
38.60	0.00	1,015	179.18	0.00
38.70	0.00	1,015	179.18	0.00
38.80	0.00	1,015	179.18	0.00
38.90	0.00	1,015	179.18	0.00
39.00	0.00	1,015	179.18	0.00
39.10	0.00	1,015	179.18	0.00
39.20	0.00	1,015	179.18	0.00
39.30	0.00	1,015	179.18	0.00
39.40	0.00	1,015	179.18	0.00
39.50	0.00	1,015	179.18	0.00
39.60	0.00	1,015	179.18	0.00
39.70	0.00	1,015	179.18	0.00
39.80	0.00	1,015	179.18	0.00
39.90	0.00	1,015	179.18	0.00
40.00	0.00	1,015	179.18	0.00

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0	179.52	6,025	2,999
179.01	5,518	55	179.53	6,035	3,059
179.02	5,528	110	179.54	6,045	3,119
179.03	5,538	166	179.55	6,055	3,180
179.04	5,548	221	179.56	6,065	3,240
179.05	5,558	277	179.57	6,075	3,301
179.06	5,568	332	179.58	6,085	3,362
179.07	5,578	388	179.59	6,094	3,423
179.08	5,588	444	179.60	6,104	3,484
179.09	5,597	500	179.61	6,114	3,545
179.10	5,607	556	179.62	6,124	3,606
179.11	5,617	612	179.63	6,134	3,667
179.12	5,627	668	179.64	6,144	3,729
179.13	5,637	724	179.65	6,154	3,790
179.14	5,647	781	179.66	6,164	3,852
179.15	5,657	837	179.67	6,174	3,913
179.16	5,667	894	179.68	6,184	3,975
179.17	5,677	951	179.69	6,194	4,037
179.18	5,687	1,008	179.70	6,204	4,099
179.19	5,697	1,064	179.71	6,214	4,161
179.20	5,707	1,121	179.72	6,224	4,223
179.21	5,717	1,179	179.73	6,234	4,286
179.22	5,727	1,236	179.74	6,244	4,348
179.23	5,737	1,293	179.75	6,254	4,411
179.24	5,747	1,351	179.76	6,263	4,473
179.25	5,757	1,408	179.77	6,273	4,536
179.26	5,766	1,466	179.78	6,283	4,599
179.27	5,776	1,523	179.79	6,293	4,661
179.28	5,786	1,581	179.80	6,303	4,724
179.29	5,796	1,639	179.81	6,313	4,788
179.30	5,806	1,697	179.82	6,323	4,851
179.31	5,816	1,755	179.83	6,333	4,914
179.32	5,826	1,813	179.84	6,343	4,977
179.33	5,836	1,872	179.85	6,353	5,041
179.34	5,846	1,930	179.86	6,363	5,104
179.35	5,856	1,989	179.87	6,373	5,168
179.36	5,866	2,047	179.88	6,383	5,232
179.37	5,876	2,106	179.89	6,393	5,296
179.38	5,886	2,165	179.90	6,403	5,360
179.39	5,896	2,224	179.91	6,413	5,424
179.40	5,906	2,283	179.92	6,422	5,488
179.41	5,916	2,342	179.93	6,432	5,552
179.42	5,925	2,401	179.94	6,442	5,617
179.43	5,935	2,460	179.95	6,452	5,681
179.44	5,945	2,520	179.96	6,462	5,746
179.45	5,955	2,579	179.97	6,472	5,810
179.46	5,965	2,639	179.98	6,482	5,875
179.47	5,975	2,699	179.99	6,492	5,940
179.48	5,985	2,758	180.00	6,502	6,005
179.49	5,995	2,818	180.01	6,512	6,070
179.50	6,005	2,878	180.02	6,523	6,135
179.51	6,015	2,938	180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266
180.05	6,555	6,331
180.06	6,565	6,397
180.07	6,575	6,463
180.08	6,586	6,529
180.09	6,597	6,594
180.10	6,607	6,660
180.11	6,618	6,727
180.12	6,628	6,793
180.13	6,638	6,859
180.14	6,649	6,926
180.15	6,660	6,992
180.16	6,670	7,059
180.17	6,680	7,126
180.18	6,691	7,192
180.19	6,701	7,259
180.20	6,712	7,326
180.21	6,723	7,394
180.22	6,733	7,461
180.23	6,743	7,528
180.24	6,754	7,596
180.25	6,765	7,663
180.26	6,775	7,731
180.27	6,786	7,799
180.28	6,796	7,867
180.29	6,806	7,935
180.30	6,817	8,003
180.31	6,828	8,071
180.32	6,838	8,139
180.33	6,849	8,208
180.34	6,859	8,276
180.35	6,869	8,345
180.36	6,880	8,414
180.37	6,891	8,483
180.38	6,901	8,552
180.39	6,911	8,621
180.40	6,922	8,690
180.41	6,932	8,759
180.42	6,943	8,828
180.43	6,954	8,898
180.44	6,964	8,968
180.45	6,974	9,037
180.46	6,985	9,107
180.47	6,995	9,177
180.48	7,006	9,247
180.49	7,017	9,317
180.50	7,027	9,387
180.51	7,037	9,458
180.52	7,048	9,528
180.53	7,059	9,599
180.54	7,069	9,669
180.55	7,080	9,740
180.56	7,090	9,811
180.57	7,100	9,882
180.58	7,111	9,953
180.59	7,122	10,024
180.60	7,132	10,095
180.61	7,143	10,167
180.62	7,153	10,238
180.63	7,163	10,310
180.64	7,174	10,381
180.65	7,185	10,453
180.66	7,195	10,525
180.67	7,205	10,597
180.68	7,216	10,669
180.69	7,226	10,741
180.70	7,237	10,814
180.71	7,248	10,886
180.72	7,258	10,959
180.73	7,268	11,031
180.74	7,279	11,104
180.75	7,290	11,177
180.76	7,300	11,250
180.77	7,311	11,323
180.78	7,321	11,396
180.79	7,331	11,469
180.80	7,342	11,543
180.81	7,353	11,616
180.82	7,363	11,690
180.83	7,374	11,763
180.84	7,384	11,837
180.85	7,394	11,911
180.86	7,405	11,985
180.87	7,416	12,059
180.88	7,426	12,133
180.89	7,436	12,208
180.90	7,447	12,282
180.91	7,457	12,357
180.92	7,468	12,431
180.93	7,479	12,506
180.94	7,489	12,581
180.95	7,499	12,656
180.96	7,510	12,731
180.97	7,520	12,806
180.98	7,531	12,881
180.99	7,542	12,957
181.00	7,552	13,032
181.01	7,563	13,108
181.02	7,574	13,183
181.03	7,585	13,259
181.04	7,596	13,335
181.05	7,607	13,411
181.06	7,618	13,487
181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640	181.60	8,216	17,762
181.09	7,652	13,716	181.61	8,227	17,844
181.10	7,663	13,793	181.62	8,238	17,927
181.11	7,674	13,869	181.63	8,249	18,009
181.12	7,685	13,946	181.64	8,260	18,092
181.13	7,696	14,023	181.65	8,271	18,174
181.14	7,707	14,100	181.66	8,282	18,257
181.15	7,718	14,177	181.67	8,293	18,340
181.16	7,729	14,254	181.68	8,304	18,423
181.17	7,740	14,332	181.69	8,315	18,506
181.18	7,751	14,409	181.70	8,326	18,589
181.19	7,762	14,487	181.71	8,337	18,673
181.20	7,773	14,565	181.72	8,348	18,756
181.21	7,784	14,642	181.73	8,359	18,840
181.22	7,795	14,720	181.74	8,370	18,923
181.23	7,806	14,798	181.75	8,382	19,007
181.24	7,817	14,876	181.76	8,393	19,091
181.25	7,829	14,955	181.77	8,404	19,175
181.26	7,840	15,033	181.78	8,415	19,259
181.27	7,851	15,111	181.79	8,426	19,343
181.28	7,862	15,190	181.80	8,437	19,428
181.29	7,873	15,269	181.81	8,448	19,512
181.30	7,884	15,347	181.82	8,459	19,596
181.31	7,895	15,426	181.83	8,470	19,681
181.32	7,906	15,505	181.84	8,481	19,766
181.33	7,917	15,584	181.85	8,492	19,851
181.34	7,928	15,664	181.86	8,503	19,936
181.35	7,939	15,743	181.87	8,514	20,021
181.36	7,950	15,822	181.88	8,525	20,106
181.37	7,961	15,902	181.89	8,536	20,191
181.38	7,972	15,982	181.90	8,547	20,277
181.39	7,983	16,061	181.91	8,558	20,362
181.40	7,994	16,141	181.92	8,570	20,448
181.41	8,005	16,221	181.93	8,581	20,534
181.42	8,017	16,301	181.94	8,592	20,620
181.43	8,028	16,382	181.95	8,603	20,705
181.44	8,039	16,462	181.96	8,614	20,792
181.45	8,050	16,542	181.97	8,625	20,878
181.46	8,061	16,623	181.98	8,636	20,964
181.47	8,072	16,704	181.99	8,647	21,050
181.48	8,083	16,784	182.00	8,658	21,137
181.49	8,094	16,865	182.01	8,670	21,224
181.50	8,105	16,946	182.02	8,681	21,310
181.51	8,116	17,027	182.03	8,693	21,397
181.52	8,127	17,109	182.04	8,705	21,484
181.53	8,138	17,190	182.05	8,716	21,571
181.54	8,149	17,271	182.06	8,728	21,659
181.55	8,160	17,353	182.07	8,739	21,746
181.56	8,171	17,435	182.08	8,751	21,833
181.57	8,182	17,516	182.09	8,763	21,921
181.58	8,193	17,598	182.10	8,774	22,009
181.59	8,205	17,680	182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 0.43" for WQ Storm event
Inflow = 1.66 cfs @ 1.08 hrs, Volume= 0.050 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.31' @ 2.20 hrs Surf.Area= 7,217 sf Storage= 2,164 cf

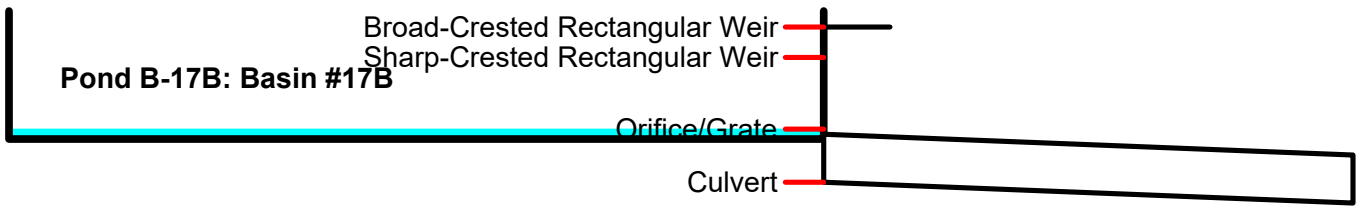
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

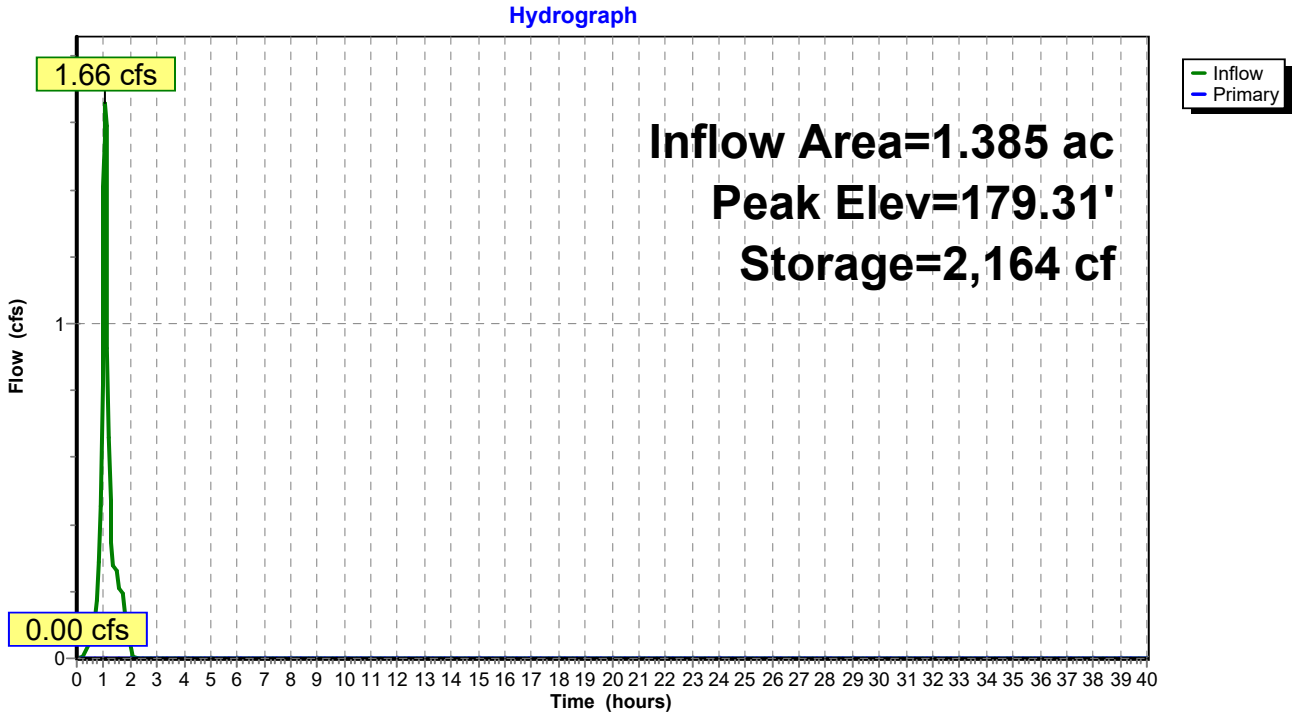
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=179.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.63 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	**0.00**
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.02	3	179.00	0.00
0.50	0.05	16	179.00	0.00
0.60	0.10	43	179.01	0.00
0.70	0.12	83	179.01	0.00
0.80	0.21	139	179.02	0.00
0.90	0.45	250	179.04	0.00
1.00	1.41	565	179.08	0.00
1.10	**1.59**	1,115	179.16	0.00
1.20	0.66	1,485	179.21	0.00
1.30	0.35	1,660	179.24	0.00
1.40	0.27	1,765	179.25	0.00
1.50	0.27	1,862	179.27	0.00
1.60	0.21	1,948	179.28	0.00
1.70	0.21	2,024	179.29	0.00
1.80	0.13	2,093	179.30	0.00
1.90	0.07	2,125	179.30	0.00
2.00	0.07	2,151	179.31	0.00
2.10	0.00	2,163	179.31	0.00
2.20	0.00	**2,164**	**179.31**	0.00
2.30	0.00	2,164	179.31	0.00
2.40	0.00	2,164	179.31	0.00
2.50	0.00	2,164	179.31	0.00
2.60	0.00	2,164	179.31	0.00
2.70	0.00	2,164	179.31	0.00
2.80	0.00	2,164	179.31	0.00
2.90	0.00	2,164	179.31	0.00
3.00	0.00	2,164	179.31	0.00
3.10	0.00	2,164	179.31	0.00
3.20	0.00	2,164	179.31	0.00
3.30	0.00	2,164	179.31	0.00
3.40	0.00	2,164	179.31	0.00
3.50	0.00	2,164	179.31	0.00
3.60	0.00	2,164	179.31	0.00
3.70	0.00	2,164	179.31	0.00
3.80	0.00	2,164	179.31	0.00
3.90	0.00	2,164	179.31	0.00
4.00	0.00	2,164	179.31	0.00
4.10	0.00	2,164	179.31	0.00
4.20	0.00	2,164	179.31	0.00
4.30	0.00	2,164	179.31	0.00
4.40	0.00	2,164	179.31	0.00
4.50	0.00	2,164	179.31	0.00
4.60	0.00	2,164	179.31	0.00
4.70	0.00	2,164	179.31	0.00
4.80	0.00	2,164	179.31	0.00
4.90	0.00	2,164	179.31	0.00
5.00	0.00	2,164	179.31	0.00
5.10	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,164	179.31	0.00
5.30	0.00	2,164	179.31	0.00
5.40	0.00	2,164	179.31	0.00
5.50	0.00	2,164	179.31	0.00
5.60	0.00	2,164	179.31	0.00
5.70	0.00	2,164	179.31	0.00
5.80	0.00	2,164	179.31	0.00
5.90	0.00	2,164	179.31	0.00
6.00	0.00	2,164	179.31	0.00
6.10	0.00	2,164	179.31	0.00
6.20	0.00	2,164	179.31	0.00
6.30	0.00	2,164	179.31	0.00
6.40	0.00	2,164	179.31	0.00
6.50	0.00	2,164	179.31	0.00
6.60	0.00	2,164	179.31	0.00
6.70	0.00	2,164	179.31	0.00
6.80	0.00	2,164	179.31	0.00
6.90	0.00	2,164	179.31	0.00
7.00	0.00	2,164	179.31	0.00
7.10	0.00	2,164	179.31	0.00
7.20	0.00	2,164	179.31	0.00
7.30	0.00	2,164	179.31	0.00
7.40	0.00	2,164	179.31	0.00
7.50	0.00	2,164	179.31	0.00
7.60	0.00	2,164	179.31	0.00
7.70	0.00	2,164	179.31	0.00
7.80	0.00	2,164	179.31	0.00
7.90	0.00	2,164	179.31	0.00
8.00	0.00	2,164	179.31	0.00
8.10	0.00	2,164	179.31	0.00
8.20	0.00	2,164	179.31	0.00
8.30	0.00	2,164	179.31	0.00
8.40	0.00	2,164	179.31	0.00
8.50	0.00	2,164	179.31	0.00
8.60	0.00	2,164	179.31	0.00
8.70	0.00	2,164	179.31	0.00
8.80	0.00	2,164	179.31	0.00
8.90	0.00	2,164	179.31	0.00
9.00	0.00	2,164	179.31	0.00
9.10	0.00	2,164	179.31	0.00
9.20	0.00	2,164	179.31	0.00
9.30	0.00	2,164	179.31	0.00
9.40	0.00	2,164	179.31	0.00
9.50	0.00	2,164	179.31	0.00
9.60	0.00	2,164	179.31	0.00
9.70	0.00	2,164	179.31	0.00
9.80	0.00	2,164	179.31	0.00
9.90	0.00	2,164	179.31	0.00
10.00	0.00	2,164	179.31	0.00
10.10	0.00	2,164	179.31	0.00
10.20	0.00	2,164	179.31	0.00
10.30	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,164	179.31	0.00
10.50	0.00	2,164	179.31	0.00
10.60	0.00	2,164	179.31	0.00
10.70	0.00	2,164	179.31	0.00
10.80	0.00	2,164	179.31	0.00
10.90	0.00	2,164	179.31	0.00
11.00	0.00	2,164	179.31	0.00
11.10	0.00	2,164	179.31	0.00
11.20	0.00	2,164	179.31	0.00
11.30	0.00	2,164	179.31	0.00
11.40	0.00	2,164	179.31	0.00
11.50	0.00	2,164	179.31	0.00
11.60	0.00	2,164	179.31	0.00
11.70	0.00	2,164	179.31	0.00
11.80	0.00	2,164	179.31	0.00
11.90	0.00	2,164	179.31	0.00
12.00	0.00	2,164	179.31	0.00
12.10	0.00	2,164	179.31	0.00
12.20	0.00	2,164	179.31	0.00
12.30	0.00	2,164	179.31	0.00
12.40	0.00	2,164	179.31	0.00
12.50	0.00	2,164	179.31	0.00
12.60	0.00	2,164	179.31	0.00
12.70	0.00	2,164	179.31	0.00
12.80	0.00	2,164	179.31	0.00
12.90	0.00	2,164	179.31	0.00
13.00	0.00	2,164	179.31	0.00
13.10	0.00	2,164	179.31	0.00
13.20	0.00	2,164	179.31	0.00
13.30	0.00	2,164	179.31	0.00
13.40	0.00	2,164	179.31	0.00
13.50	0.00	2,164	179.31	0.00
13.60	0.00	2,164	179.31	0.00
13.70	0.00	2,164	179.31	0.00
13.80	0.00	2,164	179.31	0.00
13.90	0.00	2,164	179.31	0.00
14.00	0.00	2,164	179.31	0.00
14.10	0.00	2,164	179.31	0.00
14.20	0.00	2,164	179.31	0.00
14.30	0.00	2,164	179.31	0.00
14.40	0.00	2,164	179.31	0.00
14.50	0.00	2,164	179.31	0.00
14.60	0.00	2,164	179.31	0.00
14.70	0.00	2,164	179.31	0.00
14.80	0.00	2,164	179.31	0.00
14.90	0.00	2,164	179.31	0.00
15.00	0.00	2,164	179.31	0.00
15.10	0.00	2,164	179.31	0.00
15.20	0.00	2,164	179.31	0.00
15.30	0.00	2,164	179.31	0.00
15.40	0.00	2,164	179.31	0.00
15.50	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,164	179.31	0.00
15.70	0.00	2,164	179.31	0.00
15.80	0.00	2,164	179.31	0.00
15.90	0.00	2,164	179.31	0.00
16.00	0.00	2,164	179.31	0.00
16.10	0.00	2,164	179.31	0.00
16.20	0.00	2,164	179.31	0.00
16.30	0.00	2,164	179.31	0.00
16.40	0.00	2,164	179.31	0.00
16.50	0.00	2,164	179.31	0.00
16.60	0.00	2,164	179.31	0.00
16.70	0.00	2,164	179.31	0.00
16.80	0.00	2,164	179.31	0.00
16.90	0.00	2,164	179.31	0.00
17.00	0.00	2,164	179.31	0.00
17.10	0.00	2,164	179.31	0.00
17.20	0.00	2,164	179.31	0.00
17.30	0.00	2,164	179.31	0.00
17.40	0.00	2,164	179.31	0.00
17.50	0.00	2,164	179.31	0.00
17.60	0.00	2,164	179.31	0.00
17.70	0.00	2,164	179.31	0.00
17.80	0.00	2,164	179.31	0.00
17.90	0.00	2,164	179.31	0.00
18.00	0.00	2,164	179.31	0.00
18.10	0.00	2,164	179.31	0.00
18.20	0.00	2,164	179.31	0.00
18.30	0.00	2,164	179.31	0.00
18.40	0.00	2,164	179.31	0.00
18.50	0.00	2,164	179.31	0.00
18.60	0.00	2,164	179.31	0.00
18.70	0.00	2,164	179.31	0.00
18.80	0.00	2,164	179.31	0.00
18.90	0.00	2,164	179.31	0.00
19.00	0.00	2,164	179.31	0.00
19.10	0.00	2,164	179.31	0.00
19.20	0.00	2,164	179.31	0.00
19.30	0.00	2,164	179.31	0.00
19.40	0.00	2,164	179.31	0.00
19.50	0.00	2,164	179.31	0.00
19.60	0.00	2,164	179.31	0.00
19.70	0.00	2,164	179.31	0.00
19.80	0.00	2,164	179.31	0.00
19.90	0.00	2,164	179.31	0.00
20.00	0.00	2,164	179.31	0.00
20.10	0.00	2,164	179.31	0.00
20.20	0.00	2,164	179.31	0.00
20.30	0.00	2,164	179.31	0.00
20.40	0.00	2,164	179.31	0.00
20.50	0.00	2,164	179.31	0.00
20.60	0.00	2,164	179.31	0.00
20.70	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,164	179.31	0.00
20.90	0.00	2,164	179.31	0.00
21.00	0.00	2,164	179.31	0.00
21.10	0.00	2,164	179.31	0.00
21.20	0.00	2,164	179.31	0.00
21.30	0.00	2,164	179.31	0.00
21.40	0.00	2,164	179.31	0.00
21.50	0.00	2,164	179.31	0.00
21.60	0.00	2,164	179.31	0.00
21.70	0.00	2,164	179.31	0.00
21.80	0.00	2,164	179.31	0.00
21.90	0.00	2,164	179.31	0.00
22.00	0.00	2,164	179.31	0.00
22.10	0.00	2,164	179.31	0.00
22.20	0.00	2,164	179.31	0.00
22.30	0.00	2,164	179.31	0.00
22.40	0.00	2,164	179.31	0.00
22.50	0.00	2,164	179.31	0.00
22.60	0.00	2,164	179.31	0.00
22.70	0.00	2,164	179.31	0.00
22.80	0.00	2,164	179.31	0.00
22.90	0.00	2,164	179.31	0.00
23.00	0.00	2,164	179.31	0.00
23.10	0.00	2,164	179.31	0.00
23.20	0.00	2,164	179.31	0.00
23.30	0.00	2,164	179.31	0.00
23.40	0.00	2,164	179.31	0.00
23.50	0.00	2,164	179.31	0.00
23.60	0.00	2,164	179.31	0.00
23.70	0.00	2,164	179.31	0.00
23.80	0.00	2,164	179.31	0.00
23.90	0.00	2,164	179.31	0.00
24.00	0.00	2,164	179.31	0.00
24.10	0.00	2,164	179.31	0.00
24.20	0.00	2,164	179.31	0.00
24.30	0.00	2,164	179.31	0.00
24.40	0.00	2,164	179.31	0.00
24.50	0.00	2,164	179.31	0.00
24.60	0.00	2,164	179.31	0.00
24.70	0.00	2,164	179.31	0.00
24.80	0.00	2,164	179.31	0.00
24.90	0.00	2,164	179.31	0.00
25.00	0.00	2,164	179.31	0.00
25.10	0.00	2,164	179.31	0.00
25.20	0.00	2,164	179.31	0.00
25.30	0.00	2,164	179.31	0.00
25.40	0.00	2,164	179.31	0.00
25.50	0.00	2,164	179.31	0.00
25.60	0.00	2,164	179.31	0.00
25.70	0.00	2,164	179.31	0.00
25.80	0.00	2,164	179.31	0.00
25.90	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,164	179.31	0.00
26.10	0.00	2,164	179.31	0.00
26.20	0.00	2,164	179.31	0.00
26.30	0.00	2,164	179.31	0.00
26.40	0.00	2,164	179.31	0.00
26.50	0.00	2,164	179.31	0.00
26.60	0.00	2,164	179.31	0.00
26.70	0.00	2,164	179.31	0.00
26.80	0.00	2,164	179.31	0.00
26.90	0.00	2,164	179.31	0.00
27.00	0.00	2,164	179.31	0.00
27.10	0.00	2,164	179.31	0.00
27.20	0.00	2,164	179.31	0.00
27.30	0.00	2,164	179.31	0.00
27.40	0.00	2,164	179.31	0.00
27.50	0.00	2,164	179.31	0.00
27.60	0.00	2,164	179.31	0.00
27.70	0.00	2,164	179.31	0.00
27.80	0.00	2,164	179.31	0.00
27.90	0.00	2,164	179.31	0.00
28.00	0.00	2,164	179.31	0.00
28.10	0.00	2,164	179.31	0.00
28.20	0.00	2,164	179.31	0.00
28.30	0.00	2,164	179.31	0.00
28.40	0.00	2,164	179.31	0.00
28.50	0.00	2,164	179.31	0.00
28.60	0.00	2,164	179.31	0.00
28.70	0.00	2,164	179.31	0.00
28.80	0.00	2,164	179.31	0.00
28.90	0.00	2,164	179.31	0.00
29.00	0.00	2,164	179.31	0.00
29.10	0.00	2,164	179.31	0.00
29.20	0.00	2,164	179.31	0.00
29.30	0.00	2,164	179.31	0.00
29.40	0.00	2,164	179.31	0.00
29.50	0.00	2,164	179.31	0.00
29.60	0.00	2,164	179.31	0.00
29.70	0.00	2,164	179.31	0.00
29.80	0.00	2,164	179.31	0.00
29.90	0.00	2,164	179.31	0.00
30.00	0.00	2,164	179.31	0.00
30.10	0.00	2,164	179.31	0.00
30.20	0.00	2,164	179.31	0.00
30.30	0.00	2,164	179.31	0.00
30.40	0.00	2,164	179.31	0.00
30.50	0.00	2,164	179.31	0.00
30.60	0.00	2,164	179.31	0.00
30.70	0.00	2,164	179.31	0.00
30.80	0.00	2,164	179.31	0.00
30.90	0.00	2,164	179.31	0.00
31.00	0.00	2,164	179.31	0.00
31.10	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,164	179.31	0.00
31.30	0.00	2,164	179.31	0.00
31.40	0.00	2,164	179.31	0.00
31.50	0.00	2,164	179.31	0.00
31.60	0.00	2,164	179.31	0.00
31.70	0.00	2,164	179.31	0.00
31.80	0.00	2,164	179.31	0.00
31.90	0.00	2,164	179.31	0.00
32.00	0.00	2,164	179.31	0.00
32.10	0.00	2,164	179.31	0.00
32.20	0.00	2,164	179.31	0.00
32.30	0.00	2,164	179.31	0.00
32.40	0.00	2,164	179.31	0.00
32.50	0.00	2,164	179.31	0.00
32.60	0.00	2,164	179.31	0.00
32.70	0.00	2,164	179.31	0.00
32.80	0.00	2,164	179.31	0.00
32.90	0.00	2,164	179.31	0.00
33.00	0.00	2,164	179.31	0.00
33.10	0.00	2,164	179.31	0.00
33.20	0.00	2,164	179.31	0.00
33.30	0.00	2,164	179.31	0.00
33.40	0.00	2,164	179.31	0.00
33.50	0.00	2,164	179.31	0.00
33.60	0.00	2,164	179.31	0.00
33.70	0.00	2,164	179.31	0.00
33.80	0.00	2,164	179.31	0.00
33.90	0.00	2,164	179.31	0.00
34.00	0.00	2,164	179.31	0.00
34.10	0.00	2,164	179.31	0.00
34.20	0.00	2,164	179.31	0.00
34.30	0.00	2,164	179.31	0.00
34.40	0.00	2,164	179.31	0.00
34.50	0.00	2,164	179.31	0.00
34.60	0.00	2,164	179.31	0.00
34.70	0.00	2,164	179.31	0.00
34.80	0.00	2,164	179.31	0.00
34.90	0.00	2,164	179.31	0.00
35.00	0.00	2,164	179.31	0.00
35.10	0.00	2,164	179.31	0.00
35.20	0.00	2,164	179.31	0.00
35.30	0.00	2,164	179.31	0.00
35.40	0.00	2,164	179.31	0.00
35.50	0.00	2,164	179.31	0.00
35.60	0.00	2,164	179.31	0.00
35.70	0.00	2,164	179.31	0.00
35.80	0.00	2,164	179.31	0.00
35.90	0.00	2,164	179.31	0.00
36.00	0.00	2,164	179.31	0.00
36.10	0.00	2,164	179.31	0.00
36.20	0.00	2,164	179.31	0.00
36.30	0.00	2,164	179.31	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,164	179.31	0.00
36.50	0.00	2,164	179.31	0.00
36.60	0.00	2,164	179.31	0.00
36.70	0.00	2,164	179.31	0.00
36.80	0.00	2,164	179.31	0.00
36.90	0.00	2,164	179.31	0.00
37.00	0.00	2,164	179.31	0.00
37.10	0.00	2,164	179.31	0.00
37.20	0.00	2,164	179.31	0.00
37.30	0.00	2,164	179.31	0.00
37.40	0.00	2,164	179.31	0.00
37.50	0.00	2,164	179.31	0.00
37.60	0.00	2,164	179.31	0.00
37.70	0.00	2,164	179.31	0.00
37.80	0.00	2,164	179.31	0.00
37.90	0.00	2,164	179.31	0.00
38.00	0.00	2,164	179.31	0.00
38.10	0.00	2,164	179.31	0.00
38.20	0.00	2,164	179.31	0.00
38.30	0.00	2,164	179.31	0.00
38.40	0.00	2,164	179.31	0.00
38.50	0.00	2,164	179.31	0.00
38.60	0.00	2,164	179.31	0.00
38.70	0.00	2,164	179.31	0.00
38.80	0.00	2,164	179.31	0.00
38.90	0.00	2,164	179.31	0.00
39.00	0.00	2,164	179.31	0.00
39.10	0.00	2,164	179.31	0.00
39.20	0.00	2,164	179.31	0.00
39.30	0.00	2,164	179.31	0.00
39.40	0.00	2,164	179.31	0.00
39.50	0.00	2,164	179.31	0.00
39.60	0.00	2,164	179.31	0.00
39.70	0.00	2,164	179.31	0.00
39.80	0.00	2,164	179.31	0.00
39.90	0.00	2,164	179.31	0.00
40.00	0.00	2,164	179.31	0.00

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 0.44" for WQ Storm event
Inflow = 2.17 cfs @ 1.06 hrs, Volume= 0.070 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.39' @ 2.85 hrs Surf.Area= 7,868 sf Storage= 3,032 cf

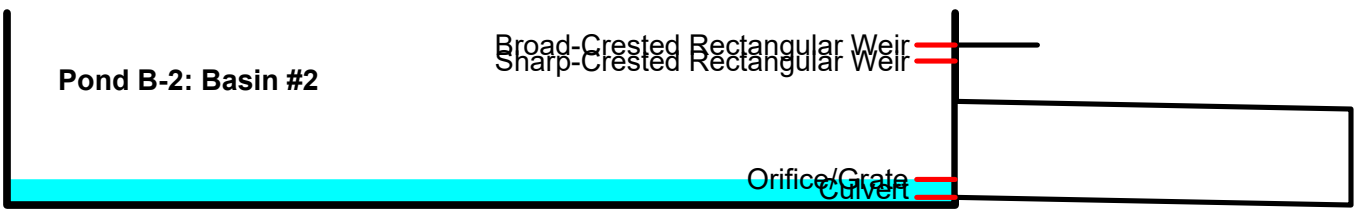
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

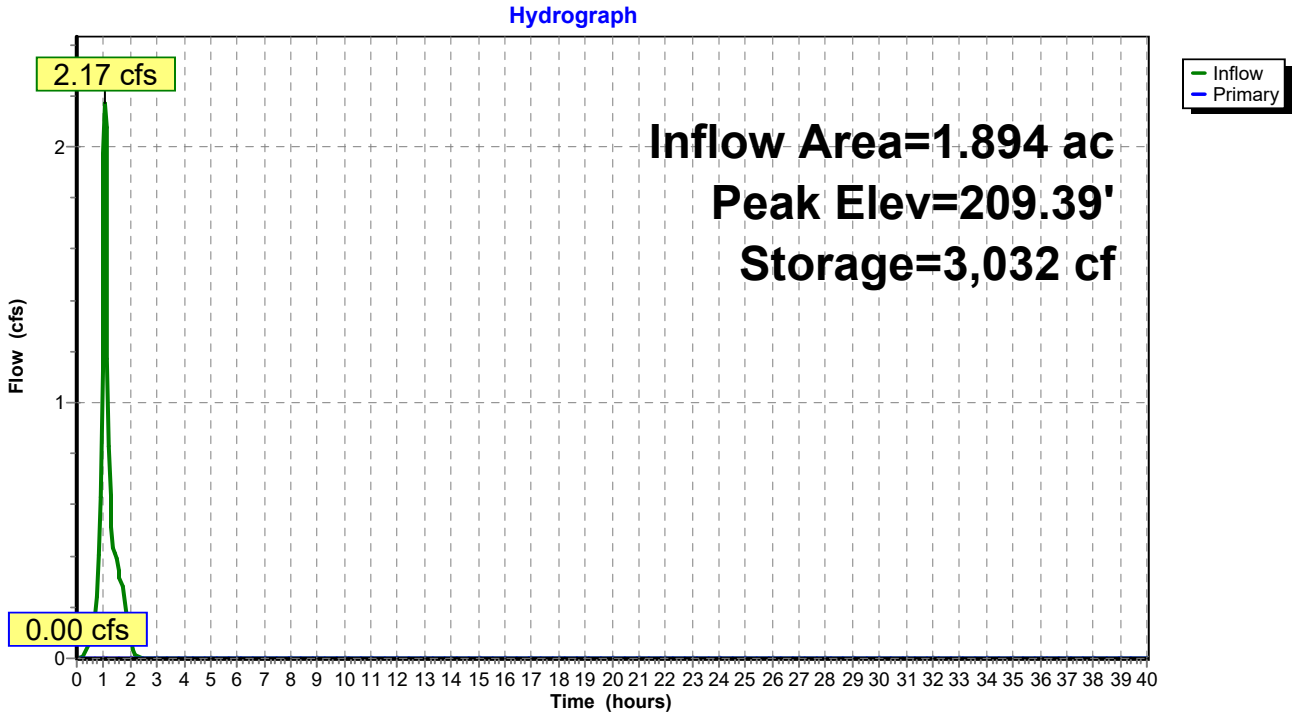
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=209.00' (Free Discharge)
- **1=Culvert** (Controls 0.00 cfs)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	**0.00**
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.03	4	209.00	0.00
0.50	0.07	22	209.00	0.00
0.60	0.14	60	209.01	0.00
0.70	0.18	117	209.02	0.00
0.80	0.29	194	209.03	0.00
0.90	0.63	349	209.05	0.00
1.00	**1.97**	786	209.10	0.00
1.10	**2.08**	1,540	209.20	0.00
1.20	0.83	2,012	209.26	0.00
1.30	0.51	2,248	209.29	0.00
1.40	0.41	2,408	209.31	0.00
1.50	0.38	2,551	209.33	0.00
1.60	0.31	2,675	209.35	0.00
1.70	0.30	2,785	209.36	0.00
1.80	0.22	2,885	209.38	0.00
1.90	0.14	2,945	209.38	0.00
2.00	0.12	2,991	209.39	0.00
2.10	0.04	3,017	209.39	0.00
2.20	0.02	3,026	209.39	0.00
2.30	0.01	3,030	209.39	0.00
2.40	0.00	3,032	209.39	0.00
2.50	0.00	3,032	209.39	0.00
2.60	0.00	3,032	209.39	0.00
2.70	0.00	3,032	209.39	0.00
2.80	0.00	**3,032**	**209.39**	0.00
2.90	0.00	**3,032**	**209.39**	0.00
3.00	0.00	3,032	209.39	0.00
3.10	0.00	3,032	209.39	0.00
3.20	0.00	3,032	209.39	0.00
3.30	0.00	3,032	209.39	0.00
3.40	0.00	3,032	209.39	0.00
3.50	0.00	3,032	209.39	0.00
3.60	0.00	3,032	209.39	0.00
3.70	0.00	3,032	209.39	0.00
3.80	0.00	3,032	209.39	0.00
3.90	0.00	3,032	209.39	0.00
4.00	0.00	3,032	209.39	0.00
4.10	0.00	3,032	209.39	0.00
4.20	0.00	3,032	209.39	0.00
4.30	0.00	3,032	209.39	0.00
4.40	0.00	3,032	209.39	0.00
4.50	0.00	3,032	209.39	0.00
4.60	0.00	3,032	209.39	0.00
4.70	0.00	3,032	209.39	0.00
4.80	0.00	3,032	209.39	0.00
4.90	0.00	3,032	209.39	0.00
5.00	0.00	3,032	209.39	0.00
5.10	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,032	209.39	0.00
5.30	0.00	3,032	209.39	0.00
5.40	0.00	3,032	209.39	0.00
5.50	0.00	3,032	209.39	0.00
5.60	0.00	3,032	209.39	0.00
5.70	0.00	3,032	209.39	0.00
5.80	0.00	3,032	209.39	0.00
5.90	0.00	3,032	209.39	0.00
6.00	0.00	3,032	209.39	0.00
6.10	0.00	3,032	209.39	0.00
6.20	0.00	3,032	209.39	0.00
6.30	0.00	3,032	209.39	0.00
6.40	0.00	3,032	209.39	0.00
6.50	0.00	3,032	209.39	0.00
6.60	0.00	3,032	209.39	0.00
6.70	0.00	3,032	209.39	0.00
6.80	0.00	3,032	209.39	0.00
6.90	0.00	3,032	209.39	0.00
7.00	0.00	3,032	209.39	0.00
7.10	0.00	3,032	209.39	0.00
7.20	0.00	3,032	209.39	0.00
7.30	0.00	3,032	209.39	0.00
7.40	0.00	3,032	209.39	0.00
7.50	0.00	3,032	209.39	0.00
7.60	0.00	3,032	209.39	0.00
7.70	0.00	3,032	209.39	0.00
7.80	0.00	3,032	209.39	0.00
7.90	0.00	3,032	209.39	0.00
8.00	0.00	3,032	209.39	0.00
8.10	0.00	3,032	209.39	0.00
8.20	0.00	3,032	209.39	0.00
8.30	0.00	3,032	209.39	0.00
8.40	0.00	3,032	209.39	0.00
8.50	0.00	3,032	209.39	0.00
8.60	0.00	3,032	209.39	0.00
8.70	0.00	3,032	209.39	0.00
8.80	0.00	3,032	209.39	0.00
8.90	0.00	3,032	209.39	0.00
9.00	0.00	3,032	209.39	0.00
9.10	0.00	3,032	209.39	0.00
9.20	0.00	3,032	209.39	0.00
9.30	0.00	3,032	209.39	0.00
9.40	0.00	3,032	209.39	0.00
9.50	0.00	3,032	209.39	0.00
9.60	0.00	3,032	209.39	0.00
9.70	0.00	3,032	209.39	0.00
9.80	0.00	3,032	209.39	0.00
9.90	0.00	3,032	209.39	0.00
10.00	0.00	3,032	209.39	0.00
10.10	0.00	3,032	209.39	0.00
10.20	0.00	3,032	209.39	0.00
10.30	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,032	209.39	0.00
10.50	0.00	3,032	209.39	0.00
10.60	0.00	3,032	209.39	0.00
10.70	0.00	3,032	209.39	0.00
10.80	0.00	3,032	209.39	0.00
10.90	0.00	3,032	209.39	0.00
11.00	0.00	3,032	209.39	0.00
11.10	0.00	3,032	209.39	0.00
11.20	0.00	3,032	209.39	0.00
11.30	0.00	3,032	209.39	0.00
11.40	0.00	3,032	209.39	0.00
11.50	0.00	3,032	209.39	0.00
11.60	0.00	3,032	209.39	0.00
11.70	0.00	3,032	209.39	0.00
11.80	0.00	3,032	209.39	0.00
11.90	0.00	3,032	209.39	0.00
12.00	0.00	3,032	209.39	0.00
12.10	0.00	3,032	209.39	0.00
12.20	0.00	3,032	209.39	0.00
12.30	0.00	3,032	209.39	0.00
12.40	0.00	3,032	209.39	0.00
12.50	0.00	3,032	209.39	0.00
12.60	0.00	3,032	209.39	0.00
12.70	0.00	3,032	209.39	0.00
12.80	0.00	3,032	209.39	0.00
12.90	0.00	3,032	209.39	0.00
13.00	0.00	3,032	209.39	0.00
13.10	0.00	3,032	209.39	0.00
13.20	0.00	3,032	209.39	0.00
13.30	0.00	3,032	209.39	0.00
13.40	0.00	3,032	209.39	0.00
13.50	0.00	3,032	209.39	0.00
13.60	0.00	3,032	209.39	0.00
13.70	0.00	3,032	209.39	0.00
13.80	0.00	3,032	209.39	0.00
13.90	0.00	3,032	209.39	0.00
14.00	0.00	3,032	209.39	0.00
14.10	0.00	3,032	209.39	0.00
14.20	0.00	3,032	209.39	0.00
14.30	0.00	3,032	209.39	0.00
14.40	0.00	3,032	209.39	0.00
14.50	0.00	3,032	209.39	0.00
14.60	0.00	3,032	209.39	0.00
14.70	0.00	3,032	209.39	0.00
14.80	0.00	3,032	209.39	0.00
14.90	0.00	3,032	209.39	0.00
15.00	0.00	3,032	209.39	0.00
15.10	0.00	3,032	209.39	0.00
15.20	0.00	3,032	209.39	0.00
15.30	0.00	3,032	209.39	0.00
15.40	0.00	3,032	209.39	0.00
15.50	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,032	209.39	0.00
15.70	0.00	3,032	209.39	0.00
15.80	0.00	3,032	209.39	0.00
15.90	0.00	3,032	209.39	0.00
16.00	0.00	3,032	209.39	0.00
16.10	0.00	3,032	209.39	0.00
16.20	0.00	3,032	209.39	0.00
16.30	0.00	3,032	209.39	0.00
16.40	0.00	3,032	209.39	0.00
16.50	0.00	3,032	209.39	0.00
16.60	0.00	3,032	209.39	0.00
16.70	0.00	3,032	209.39	0.00
16.80	0.00	3,032	209.39	0.00
16.90	0.00	3,032	209.39	0.00
17.00	0.00	3,032	209.39	0.00
17.10	0.00	3,032	209.39	0.00
17.20	0.00	3,032	209.39	0.00
17.30	0.00	3,032	209.39	0.00
17.40	0.00	3,032	209.39	0.00
17.50	0.00	3,032	209.39	0.00
17.60	0.00	3,032	209.39	0.00
17.70	0.00	3,032	209.39	0.00
17.80	0.00	3,032	209.39	0.00
17.90	0.00	3,032	209.39	0.00
18.00	0.00	3,032	209.39	0.00
18.10	0.00	3,032	209.39	0.00
18.20	0.00	3,032	209.39	0.00
18.30	0.00	3,032	209.39	0.00
18.40	0.00	3,032	209.39	0.00
18.50	0.00	3,032	209.39	0.00
18.60	0.00	3,032	209.39	0.00
18.70	0.00	3,032	209.39	0.00
18.80	0.00	3,032	209.39	0.00
18.90	0.00	3,032	209.39	0.00
19.00	0.00	3,032	209.39	0.00
19.10	0.00	3,032	209.39	0.00
19.20	0.00	3,032	209.39	0.00
19.30	0.00	3,032	209.39	0.00
19.40	0.00	3,032	209.39	0.00
19.50	0.00	3,032	209.39	0.00
19.60	0.00	3,032	209.39	0.00
19.70	0.00	3,032	209.39	0.00
19.80	0.00	3,032	209.39	0.00
19.90	0.00	3,032	209.39	0.00
20.00	0.00	3,032	209.39	0.00
20.10	0.00	3,032	209.39	0.00
20.20	0.00	3,032	209.39	0.00
20.30	0.00	3,032	209.39	0.00
20.40	0.00	3,032	209.39	0.00
20.50	0.00	3,032	209.39	0.00
20.60	0.00	3,032	209.39	0.00
20.70	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,032	209.39	0.00
20.90	0.00	3,032	209.39	0.00
21.00	0.00	3,032	209.39	0.00
21.10	0.00	3,032	209.39	0.00
21.20	0.00	3,032	209.39	0.00
21.30	0.00	3,032	209.39	0.00
21.40	0.00	3,032	209.39	0.00
21.50	0.00	3,032	209.39	0.00
21.60	0.00	3,032	209.39	0.00
21.70	0.00	3,032	209.39	0.00
21.80	0.00	3,032	209.39	0.00
21.90	0.00	3,032	209.39	0.00
22.00	0.00	3,032	209.39	0.00
22.10	0.00	3,032	209.39	0.00
22.20	0.00	3,032	209.39	0.00
22.30	0.00	3,032	209.39	0.00
22.40	0.00	3,032	209.39	0.00
22.50	0.00	3,032	209.39	0.00
22.60	0.00	3,032	209.39	0.00
22.70	0.00	3,032	209.39	0.00
22.80	0.00	3,032	209.39	0.00
22.90	0.00	3,032	209.39	0.00
23.00	0.00	3,032	209.39	0.00
23.10	0.00	3,032	209.39	0.00
23.20	0.00	3,032	209.39	0.00
23.30	0.00	3,032	209.39	0.00
23.40	0.00	3,032	209.39	0.00
23.50	0.00	3,032	209.39	0.00
23.60	0.00	3,032	209.39	0.00
23.70	0.00	3,032	209.39	0.00
23.80	0.00	3,032	209.39	0.00
23.90	0.00	3,032	209.39	0.00
24.00	0.00	3,032	209.39	0.00
24.10	0.00	3,032	209.39	0.00
24.20	0.00	3,032	209.39	0.00
24.30	0.00	3,032	209.39	0.00
24.40	0.00	3,032	209.39	0.00
24.50	0.00	3,032	209.39	0.00
24.60	0.00	3,032	209.39	0.00
24.70	0.00	3,032	209.39	0.00
24.80	0.00	3,032	209.39	0.00
24.90	0.00	3,032	209.39	0.00
25.00	0.00	3,032	209.39	0.00
25.10	0.00	3,032	209.39	0.00
25.20	0.00	3,032	209.39	0.00
25.30	0.00	3,032	209.39	0.00
25.40	0.00	3,032	209.39	0.00
25.50	0.00	3,032	209.39	0.00
25.60	0.00	3,032	209.39	0.00
25.70	0.00	3,032	209.39	0.00
25.80	0.00	3,032	209.39	0.00
25.90	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,032	209.39	0.00
26.10	0.00	3,032	209.39	0.00
26.20	0.00	3,032	209.39	0.00
26.30	0.00	3,032	209.39	0.00
26.40	0.00	3,032	209.39	0.00
26.50	0.00	3,032	209.39	0.00
26.60	0.00	3,032	209.39	0.00
26.70	0.00	3,032	209.39	0.00
26.80	0.00	3,032	209.39	0.00
26.90	0.00	3,032	209.39	0.00
27.00	0.00	3,032	209.39	0.00
27.10	0.00	3,032	209.39	0.00
27.20	0.00	3,032	209.39	0.00
27.30	0.00	3,032	209.39	0.00
27.40	0.00	3,032	209.39	0.00
27.50	0.00	3,032	209.39	0.00
27.60	0.00	3,032	209.39	0.00
27.70	0.00	3,032	209.39	0.00
27.80	0.00	3,032	209.39	0.00
27.90	0.00	3,032	209.39	0.00
28.00	0.00	3,032	209.39	0.00
28.10	0.00	3,032	209.39	0.00
28.20	0.00	3,032	209.39	0.00
28.30	0.00	3,032	209.39	0.00
28.40	0.00	3,032	209.39	0.00
28.50	0.00	3,032	209.39	0.00
28.60	0.00	3,032	209.39	0.00
28.70	0.00	3,032	209.39	0.00
28.80	0.00	3,032	209.39	0.00
28.90	0.00	3,032	209.39	0.00
29.00	0.00	3,032	209.39	0.00
29.10	0.00	3,032	209.39	0.00
29.20	0.00	3,032	209.39	0.00
29.30	0.00	3,032	209.39	0.00
29.40	0.00	3,032	209.39	0.00
29.50	0.00	3,032	209.39	0.00
29.60	0.00	3,032	209.39	0.00
29.70	0.00	3,032	209.39	0.00
29.80	0.00	3,032	209.39	0.00
29.90	0.00	3,032	209.39	0.00
30.00	0.00	3,032	209.39	0.00
30.10	0.00	3,032	209.39	0.00
30.20	0.00	3,032	209.39	0.00
30.30	0.00	3,032	209.39	0.00
30.40	0.00	3,032	209.39	0.00
30.50	0.00	3,032	209.39	0.00
30.60	0.00	3,032	209.39	0.00
30.70	0.00	3,032	209.39	0.00
30.80	0.00	3,032	209.39	0.00
30.90	0.00	3,032	209.39	0.00
31.00	0.00	3,032	209.39	0.00
31.10	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,032	209.39	0.00
31.30	0.00	3,032	209.39	0.00
31.40	0.00	3,032	209.39	0.00
31.50	0.00	3,032	209.39	0.00
31.60	0.00	3,032	209.39	0.00
31.70	0.00	3,032	209.39	0.00
31.80	0.00	3,032	209.39	0.00
31.90	0.00	3,032	209.39	0.00
32.00	0.00	3,032	209.39	0.00
32.10	0.00	3,032	209.39	0.00
32.20	0.00	3,032	209.39	0.00
32.30	0.00	3,032	209.39	0.00
32.40	0.00	3,032	209.39	0.00
32.50	0.00	3,032	209.39	0.00
32.60	0.00	3,032	209.39	0.00
32.70	0.00	3,032	209.39	0.00
32.80	0.00	3,032	209.39	0.00
32.90	0.00	3,032	209.39	0.00
33.00	0.00	3,032	209.39	0.00
33.10	0.00	3,032	209.39	0.00
33.20	0.00	3,032	209.39	0.00
33.30	0.00	3,032	209.39	0.00
33.40	0.00	3,032	209.39	0.00
33.50	0.00	3,032	209.39	0.00
33.60	0.00	3,032	209.39	0.00
33.70	0.00	3,032	209.39	0.00
33.80	0.00	3,032	209.39	0.00
33.90	0.00	3,032	209.39	0.00
34.00	0.00	3,032	209.39	0.00
34.10	0.00	3,032	209.39	0.00
34.20	0.00	3,032	209.39	0.00
34.30	0.00	3,032	209.39	0.00
34.40	0.00	3,032	209.39	0.00
34.50	0.00	3,032	209.39	0.00
34.60	0.00	3,032	209.39	0.00
34.70	0.00	3,032	209.39	0.00
34.80	0.00	3,032	209.39	0.00
34.90	0.00	3,032	209.39	0.00
35.00	0.00	3,032	209.39	0.00
35.10	0.00	3,032	209.39	0.00
35.20	0.00	3,032	209.39	0.00
35.30	0.00	3,032	209.39	0.00
35.40	0.00	3,032	209.39	0.00
35.50	0.00	3,032	209.39	0.00
35.60	0.00	3,032	209.39	0.00
35.70	0.00	3,032	209.39	0.00
35.80	0.00	3,032	209.39	0.00
35.90	0.00	3,032	209.39	0.00
36.00	0.00	3,032	209.39	0.00
36.10	0.00	3,032	209.39	0.00
36.20	0.00	3,032	209.39	0.00
36.30	0.00	3,032	209.39	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,032	209.39	0.00
36.50	0.00	3,032	209.39	0.00
36.60	0.00	3,032	209.39	0.00
36.70	0.00	3,032	209.39	0.00
36.80	0.00	3,032	209.39	0.00
36.90	0.00	3,032	209.39	0.00
37.00	0.00	3,032	209.39	0.00
37.10	0.00	3,032	209.39	0.00
37.20	0.00	3,032	209.39	0.00
37.30	0.00	3,032	209.39	0.00
37.40	0.00	3,032	209.39	0.00
37.50	0.00	3,032	209.39	0.00
37.60	0.00	3,032	209.39	0.00
37.70	0.00	3,032	209.39	0.00
37.80	0.00	3,032	209.39	0.00
37.90	0.00	3,032	209.39	0.00
38.00	0.00	3,032	209.39	0.00
38.10	0.00	3,032	209.39	0.00
38.20	0.00	3,032	209.39	0.00
38.30	0.00	3,032	209.39	0.00
38.40	0.00	3,032	209.39	0.00
38.50	0.00	3,032	209.39	0.00
38.60	0.00	3,032	209.39	0.00
38.70	0.00	3,032	209.39	0.00
38.80	0.00	3,032	209.39	0.00
38.90	0.00	3,032	209.39	0.00
39.00	0.00	3,032	209.39	0.00
39.10	0.00	3,032	209.39	0.00
39.20	0.00	3,032	209.39	0.00
39.30	0.00	3,032	209.39	0.00
39.40	0.00	3,032	209.39	0.00
39.50	0.00	3,032	209.39	0.00
39.60	0.00	3,032	209.39	0.00
39.70	0.00	3,032	209.39	0.00
39.80	0.00	3,032	209.39	0.00
39.90	0.00	3,032	209.39	0.00
40.00	0.00	3,032	209.39	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0	209.52	7,985	4,026
209.01	7,510	75	209.53	7,994	4,106
209.02	7,520	150	209.54	8,003	4,186
209.03	7,529	225	209.55	8,013	4,266
209.04	7,538	301	209.56	8,022	4,346
209.05	7,548	376	209.57	8,031	4,427
209.06	7,557	452	209.58	8,040	4,507
209.07	7,566	527	209.59	8,050	4,587
209.08	7,575	603	209.60	8,059	4,668
209.09	7,585	679	209.61	8,068	4,749
209.10	7,594	755	209.62	8,078	4,829
209.11	7,603	831	209.63	8,087	4,910
209.12	7,613	907	209.64	8,096	4,991
209.13	7,622	983	209.65	8,106	5,072
209.14	7,631	1,059	209.66	8,115	5,153
209.15	7,641	1,136	209.67	8,124	5,234
209.16	7,650	1,212	209.68	8,133	5,316
209.17	7,659	1,289	209.69	8,143	5,397
209.18	7,668	1,365	209.70	8,152	5,479
209.19	7,678	1,442	209.71	8,161	5,560
209.20	7,687	1,519	209.72	8,171	5,642
209.21	7,696	1,596	209.73	8,180	5,724
209.22	7,706	1,673	209.74	8,189	5,805
209.23	7,715	1,750	209.75	8,199	5,887
209.24	7,724	1,827	209.76	8,208	5,969
209.25	7,734	1,904	209.77	8,217	6,051
209.26	7,743	1,982	209.78	8,226	6,134
209.27	7,752	2,059	209.79	8,236	6,216
209.28	7,761	2,137	209.80	8,245	6,298
209.29	7,771	2,214	209.81	8,254	6,381
209.30	7,780	2,292	209.82	8,264	6,463
209.31	7,789	2,370	209.83	8,273	6,546
209.32	7,799	2,448	209.84	8,282	6,629
209.33	7,808	2,526	209.85	8,291	6,712
209.34	7,817	2,604	209.86	8,301	6,795
209.35	7,826	2,682	209.87	8,310	6,878
209.36	7,836	2,761	209.88	8,319	6,961
209.37	7,845	2,839	209.89	8,329	7,044
209.38	7,854	2,918	209.90	8,338	7,128
209.39	7,864	2,996	209.91	8,347	7,211
209.40	7,873	3,075	209.92	8,357	7,294
209.41	7,882	3,154	209.93	8,366	7,378
209.42	7,892	3,232	209.94	8,375	7,462
209.43	7,901	3,311	209.95	8,384	7,546
209.44	7,910	3,390	209.96	8,394	7,630
209.45	7,919	3,470	209.97	8,403	7,713
209.46	7,929	3,549	209.98	8,412	7,798
209.47	7,938	3,628	209.99	8,422	7,882
209.48	7,947	3,708	210.00	8,431	7,966
209.49	7,957	3,787	210.01	8,441	8,050
209.50	7,966	3,867	210.02	8,450	8,135
209.51	7,975	3,946	210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 0.44" for WQ Storm event
Inflow = 1.98 cfs @ 1.08 hrs, Volume= 0.057 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 213.24' @ 2.25 hrs Surf.Area= 10,643 sf Storage= 2,495 cf

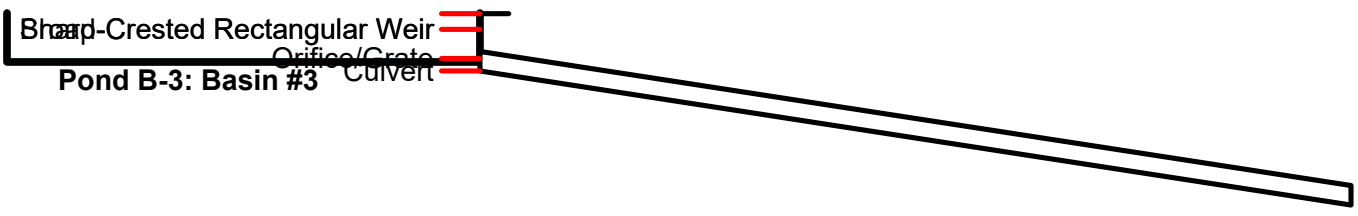
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

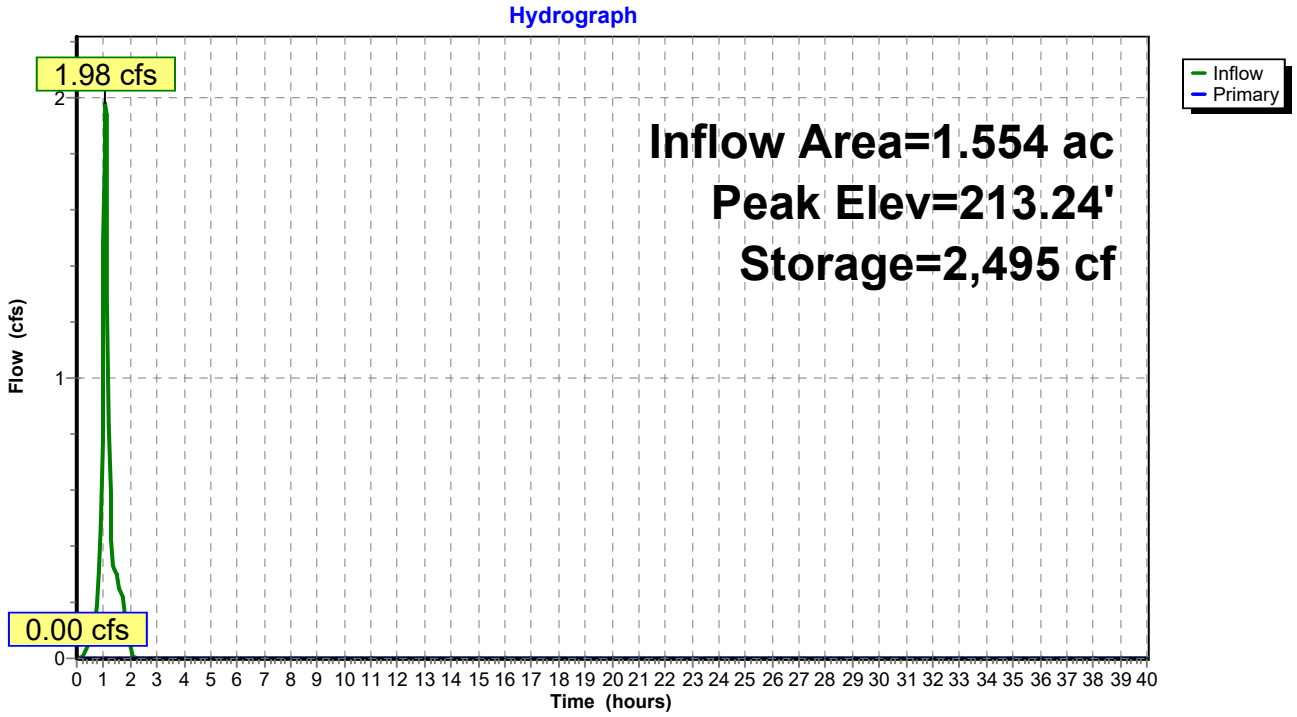
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=213.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 2.30 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	**0.00**
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.02	2	213.00	0.00
0.50	0.05	15	213.00	0.00
0.60	0.11	44	213.00	0.00
0.70	0.14	89	213.01	0.00
0.80	0.21	149	213.01	0.00
0.90	0.47	265	213.03	0.00
1.00	1.47	579	213.06	0.00
1.10	**1.94**	1,209	213.12	0.00
1.20	0.83	1,689	213.17	0.00
1.30	0.42	1,907	213.19	0.00
1.40	0.31	2,033	213.20	0.00
1.50	0.31	2,145	213.21	0.00
1.60	0.25	2,244	213.22	0.00
1.70	0.24	2,332	213.23	0.00
1.80	0.16	2,411	213.23	0.00
1.90	0.08	2,450	213.24	0.00
2.00	0.08	2,480	213.24	0.00
2.10	0.01	2,494	213.24	0.00
2.20	0.00	**2,495**	**213.24**	0.00
2.30	0.00	**2,495**	**213.24**	0.00
2.40	0.00	2,495	213.24	0.00
2.50	0.00	2,495	213.24	0.00
2.60	0.00	2,495	213.24	0.00
2.70	0.00	2,495	213.24	0.00
2.80	0.00	2,495	213.24	0.00
2.90	0.00	2,495	213.24	0.00
3.00	0.00	2,495	213.24	0.00
3.10	0.00	2,495	213.24	0.00
3.20	0.00	2,495	213.24	0.00
3.30	0.00	2,495	213.24	0.00
3.40	0.00	2,495	213.24	0.00
3.50	0.00	2,495	213.24	0.00
3.60	0.00	2,495	213.24	0.00
3.70	0.00	2,495	213.24	0.00
3.80	0.00	2,495	213.24	0.00
3.90	0.00	2,495	213.24	0.00
4.00	0.00	2,495	213.24	0.00
4.10	0.00	2,495	213.24	0.00
4.20	0.00	2,495	213.24	0.00
4.30	0.00	2,495	213.24	0.00
4.40	0.00	2,495	213.24	0.00
4.50	0.00	2,495	213.24	0.00
4.60	0.00	2,495	213.24	0.00
4.70	0.00	2,495	213.24	0.00
4.80	0.00	2,495	213.24	0.00
4.90	0.00	2,495	213.24	0.00
5.00	0.00	2,495	213.24	0.00
5.10	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,495	213.24	0.00
5.30	0.00	2,495	213.24	0.00
5.40	0.00	2,495	213.24	0.00
5.50	0.00	2,495	213.24	0.00
5.60	0.00	2,495	213.24	0.00
5.70	0.00	2,495	213.24	0.00
5.80	0.00	2,495	213.24	0.00
5.90	0.00	2,495	213.24	0.00
6.00	0.00	2,495	213.24	0.00
6.10	0.00	2,495	213.24	0.00
6.20	0.00	2,495	213.24	0.00
6.30	0.00	2,495	213.24	0.00
6.40	0.00	2,495	213.24	0.00
6.50	0.00	2,495	213.24	0.00
6.60	0.00	2,495	213.24	0.00
6.70	0.00	2,495	213.24	0.00
6.80	0.00	2,495	213.24	0.00
6.90	0.00	2,495	213.24	0.00
7.00	0.00	2,495	213.24	0.00
7.10	0.00	2,495	213.24	0.00
7.20	0.00	2,495	213.24	0.00
7.30	0.00	2,495	213.24	0.00
7.40	0.00	2,495	213.24	0.00
7.50	0.00	2,495	213.24	0.00
7.60	0.00	2,495	213.24	0.00
7.70	0.00	2,495	213.24	0.00
7.80	0.00	2,495	213.24	0.00
7.90	0.00	2,495	213.24	0.00
8.00	0.00	2,495	213.24	0.00
8.10	0.00	2,495	213.24	0.00
8.20	0.00	2,495	213.24	0.00
8.30	0.00	2,495	213.24	0.00
8.40	0.00	2,495	213.24	0.00
8.50	0.00	2,495	213.24	0.00
8.60	0.00	2,495	213.24	0.00
8.70	0.00	2,495	213.24	0.00
8.80	0.00	2,495	213.24	0.00
8.90	0.00	2,495	213.24	0.00
9.00	0.00	2,495	213.24	0.00
9.10	0.00	2,495	213.24	0.00
9.20	0.00	2,495	213.24	0.00
9.30	0.00	2,495	213.24	0.00
9.40	0.00	2,495	213.24	0.00
9.50	0.00	2,495	213.24	0.00
9.60	0.00	2,495	213.24	0.00
9.70	0.00	2,495	213.24	0.00
9.80	0.00	2,495	213.24	0.00
9.90	0.00	2,495	213.24	0.00
10.00	0.00	2,495	213.24	0.00
10.10	0.00	2,495	213.24	0.00
10.20	0.00	2,495	213.24	0.00
10.30	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,495	213.24	0.00
10.50	0.00	2,495	213.24	0.00
10.60	0.00	2,495	213.24	0.00
10.70	0.00	2,495	213.24	0.00
10.80	0.00	2,495	213.24	0.00
10.90	0.00	2,495	213.24	0.00
11.00	0.00	2,495	213.24	0.00
11.10	0.00	2,495	213.24	0.00
11.20	0.00	2,495	213.24	0.00
11.30	0.00	2,495	213.24	0.00
11.40	0.00	2,495	213.24	0.00
11.50	0.00	2,495	213.24	0.00
11.60	0.00	2,495	213.24	0.00
11.70	0.00	2,495	213.24	0.00
11.80	0.00	2,495	213.24	0.00
11.90	0.00	2,495	213.24	0.00
12.00	0.00	2,495	213.24	0.00
12.10	0.00	2,495	213.24	0.00
12.20	0.00	2,495	213.24	0.00
12.30	0.00	2,495	213.24	0.00
12.40	0.00	2,495	213.24	0.00
12.50	0.00	2,495	213.24	0.00
12.60	0.00	2,495	213.24	0.00
12.70	0.00	2,495	213.24	0.00
12.80	0.00	2,495	213.24	0.00
12.90	0.00	2,495	213.24	0.00
13.00	0.00	2,495	213.24	0.00
13.10	0.00	2,495	213.24	0.00
13.20	0.00	2,495	213.24	0.00
13.30	0.00	2,495	213.24	0.00
13.40	0.00	2,495	213.24	0.00
13.50	0.00	2,495	213.24	0.00
13.60	0.00	2,495	213.24	0.00
13.70	0.00	2,495	213.24	0.00
13.80	0.00	2,495	213.24	0.00
13.90	0.00	2,495	213.24	0.00
14.00	0.00	2,495	213.24	0.00
14.10	0.00	2,495	213.24	0.00
14.20	0.00	2,495	213.24	0.00
14.30	0.00	2,495	213.24	0.00
14.40	0.00	2,495	213.24	0.00
14.50	0.00	2,495	213.24	0.00
14.60	0.00	2,495	213.24	0.00
14.70	0.00	2,495	213.24	0.00
14.80	0.00	2,495	213.24	0.00
14.90	0.00	2,495	213.24	0.00
15.00	0.00	2,495	213.24	0.00
15.10	0.00	2,495	213.24	0.00
15.20	0.00	2,495	213.24	0.00
15.30	0.00	2,495	213.24	0.00
15.40	0.00	2,495	213.24	0.00
15.50	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,495	213.24	0.00
15.70	0.00	2,495	213.24	0.00
15.80	0.00	2,495	213.24	0.00
15.90	0.00	2,495	213.24	0.00
16.00	0.00	2,495	213.24	0.00
16.10	0.00	2,495	213.24	0.00
16.20	0.00	2,495	213.24	0.00
16.30	0.00	2,495	213.24	0.00
16.40	0.00	2,495	213.24	0.00
16.50	0.00	2,495	213.24	0.00
16.60	0.00	2,495	213.24	0.00
16.70	0.00	2,495	213.24	0.00
16.80	0.00	2,495	213.24	0.00
16.90	0.00	2,495	213.24	0.00
17.00	0.00	2,495	213.24	0.00
17.10	0.00	2,495	213.24	0.00
17.20	0.00	2,495	213.24	0.00
17.30	0.00	2,495	213.24	0.00
17.40	0.00	2,495	213.24	0.00
17.50	0.00	2,495	213.24	0.00
17.60	0.00	2,495	213.24	0.00
17.70	0.00	2,495	213.24	0.00
17.80	0.00	2,495	213.24	0.00
17.90	0.00	2,495	213.24	0.00
18.00	0.00	2,495	213.24	0.00
18.10	0.00	2,495	213.24	0.00
18.20	0.00	2,495	213.24	0.00
18.30	0.00	2,495	213.24	0.00
18.40	0.00	2,495	213.24	0.00
18.50	0.00	2,495	213.24	0.00
18.60	0.00	2,495	213.24	0.00
18.70	0.00	2,495	213.24	0.00
18.80	0.00	2,495	213.24	0.00
18.90	0.00	2,495	213.24	0.00
19.00	0.00	2,495	213.24	0.00
19.10	0.00	2,495	213.24	0.00
19.20	0.00	2,495	213.24	0.00
19.30	0.00	2,495	213.24	0.00
19.40	0.00	2,495	213.24	0.00
19.50	0.00	2,495	213.24	0.00
19.60	0.00	2,495	213.24	0.00
19.70	0.00	2,495	213.24	0.00
19.80	0.00	2,495	213.24	0.00
19.90	0.00	2,495	213.24	0.00
20.00	0.00	2,495	213.24	0.00
20.10	0.00	2,495	213.24	0.00
20.20	0.00	2,495	213.24	0.00
20.30	0.00	2,495	213.24	0.00
20.40	0.00	2,495	213.24	0.00
20.50	0.00	2,495	213.24	0.00
20.60	0.00	2,495	213.24	0.00
20.70	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,495	213.24	0.00
20.90	0.00	2,495	213.24	0.00
21.00	0.00	2,495	213.24	0.00
21.10	0.00	2,495	213.24	0.00
21.20	0.00	2,495	213.24	0.00
21.30	0.00	2,495	213.24	0.00
21.40	0.00	2,495	213.24	0.00
21.50	0.00	2,495	213.24	0.00
21.60	0.00	2,495	213.24	0.00
21.70	0.00	2,495	213.24	0.00
21.80	0.00	2,495	213.24	0.00
21.90	0.00	2,495	213.24	0.00
22.00	0.00	2,495	213.24	0.00
22.10	0.00	2,495	213.24	0.00
22.20	0.00	2,495	213.24	0.00
22.30	0.00	2,495	213.24	0.00
22.40	0.00	2,495	213.24	0.00
22.50	0.00	2,495	213.24	0.00
22.60	0.00	2,495	213.24	0.00
22.70	0.00	2,495	213.24	0.00
22.80	0.00	2,495	213.24	0.00
22.90	0.00	2,495	213.24	0.00
23.00	0.00	2,495	213.24	0.00
23.10	0.00	2,495	213.24	0.00
23.20	0.00	2,495	213.24	0.00
23.30	0.00	2,495	213.24	0.00
23.40	0.00	2,495	213.24	0.00
23.50	0.00	2,495	213.24	0.00
23.60	0.00	2,495	213.24	0.00
23.70	0.00	2,495	213.24	0.00
23.80	0.00	2,495	213.24	0.00
23.90	0.00	2,495	213.24	0.00
24.00	0.00	2,495	213.24	0.00
24.10	0.00	2,495	213.24	0.00
24.20	0.00	2,495	213.24	0.00
24.30	0.00	2,495	213.24	0.00
24.40	0.00	2,495	213.24	0.00
24.50	0.00	2,495	213.24	0.00
24.60	0.00	2,495	213.24	0.00
24.70	0.00	2,495	213.24	0.00
24.80	0.00	2,495	213.24	0.00
24.90	0.00	2,495	213.24	0.00
25.00	0.00	2,495	213.24	0.00
25.10	0.00	2,495	213.24	0.00
25.20	0.00	2,495	213.24	0.00
25.30	0.00	2,495	213.24	0.00
25.40	0.00	2,495	213.24	0.00
25.50	0.00	2,495	213.24	0.00
25.60	0.00	2,495	213.24	0.00
25.70	0.00	2,495	213.24	0.00
25.80	0.00	2,495	213.24	0.00
25.90	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,495	213.24	0.00
26.10	0.00	2,495	213.24	0.00
26.20	0.00	2,495	213.24	0.00
26.30	0.00	2,495	213.24	0.00
26.40	0.00	2,495	213.24	0.00
26.50	0.00	2,495	213.24	0.00
26.60	0.00	2,495	213.24	0.00
26.70	0.00	2,495	213.24	0.00
26.80	0.00	2,495	213.24	0.00
26.90	0.00	2,495	213.24	0.00
27.00	0.00	2,495	213.24	0.00
27.10	0.00	2,495	213.24	0.00
27.20	0.00	2,495	213.24	0.00
27.30	0.00	2,495	213.24	0.00
27.40	0.00	2,495	213.24	0.00
27.50	0.00	2,495	213.24	0.00
27.60	0.00	2,495	213.24	0.00
27.70	0.00	2,495	213.24	0.00
27.80	0.00	2,495	213.24	0.00
27.90	0.00	2,495	213.24	0.00
28.00	0.00	2,495	213.24	0.00
28.10	0.00	2,495	213.24	0.00
28.20	0.00	2,495	213.24	0.00
28.30	0.00	2,495	213.24	0.00
28.40	0.00	2,495	213.24	0.00
28.50	0.00	2,495	213.24	0.00
28.60	0.00	2,495	213.24	0.00
28.70	0.00	2,495	213.24	0.00
28.80	0.00	2,495	213.24	0.00
28.90	0.00	2,495	213.24	0.00
29.00	0.00	2,495	213.24	0.00
29.10	0.00	2,495	213.24	0.00
29.20	0.00	2,495	213.24	0.00
29.30	0.00	2,495	213.24	0.00
29.40	0.00	2,495	213.24	0.00
29.50	0.00	2,495	213.24	0.00
29.60	0.00	2,495	213.24	0.00
29.70	0.00	2,495	213.24	0.00
29.80	0.00	2,495	213.24	0.00
29.90	0.00	2,495	213.24	0.00
30.00	0.00	2,495	213.24	0.00
30.10	0.00	2,495	213.24	0.00
30.20	0.00	2,495	213.24	0.00
30.30	0.00	2,495	213.24	0.00
30.40	0.00	2,495	213.24	0.00
30.50	0.00	2,495	213.24	0.00
30.60	0.00	2,495	213.24	0.00
30.70	0.00	2,495	213.24	0.00
30.80	0.00	2,495	213.24	0.00
30.90	0.00	2,495	213.24	0.00
31.00	0.00	2,495	213.24	0.00
31.10	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,495	213.24	0.00
31.30	0.00	2,495	213.24	0.00
31.40	0.00	2,495	213.24	0.00
31.50	0.00	2,495	213.24	0.00
31.60	0.00	2,495	213.24	0.00
31.70	0.00	2,495	213.24	0.00
31.80	0.00	2,495	213.24	0.00
31.90	0.00	2,495	213.24	0.00
32.00	0.00	2,495	213.24	0.00
32.10	0.00	2,495	213.24	0.00
32.20	0.00	2,495	213.24	0.00
32.30	0.00	2,495	213.24	0.00
32.40	0.00	2,495	213.24	0.00
32.50	0.00	2,495	213.24	0.00
32.60	0.00	2,495	213.24	0.00
32.70	0.00	2,495	213.24	0.00
32.80	0.00	2,495	213.24	0.00
32.90	0.00	2,495	213.24	0.00
33.00	0.00	2,495	213.24	0.00
33.10	0.00	2,495	213.24	0.00
33.20	0.00	2,495	213.24	0.00
33.30	0.00	2,495	213.24	0.00
33.40	0.00	2,495	213.24	0.00
33.50	0.00	2,495	213.24	0.00
33.60	0.00	2,495	213.24	0.00
33.70	0.00	2,495	213.24	0.00
33.80	0.00	2,495	213.24	0.00
33.90	0.00	2,495	213.24	0.00
34.00	0.00	2,495	213.24	0.00
34.10	0.00	2,495	213.24	0.00
34.20	0.00	2,495	213.24	0.00
34.30	0.00	2,495	213.24	0.00
34.40	0.00	2,495	213.24	0.00
34.50	0.00	2,495	213.24	0.00
34.60	0.00	2,495	213.24	0.00
34.70	0.00	2,495	213.24	0.00
34.80	0.00	2,495	213.24	0.00
34.90	0.00	2,495	213.24	0.00
35.00	0.00	2,495	213.24	0.00
35.10	0.00	2,495	213.24	0.00
35.20	0.00	2,495	213.24	0.00
35.30	0.00	2,495	213.24	0.00
35.40	0.00	2,495	213.24	0.00
35.50	0.00	2,495	213.24	0.00
35.60	0.00	2,495	213.24	0.00
35.70	0.00	2,495	213.24	0.00
35.80	0.00	2,495	213.24	0.00
35.90	0.00	2,495	213.24	0.00
36.00	0.00	2,495	213.24	0.00
36.10	0.00	2,495	213.24	0.00
36.20	0.00	2,495	213.24	0.00
36.30	0.00	2,495	213.24	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,495	213.24	0.00
36.50	0.00	2,495	213.24	0.00
36.60	0.00	2,495	213.24	0.00
36.70	0.00	2,495	213.24	0.00
36.80	0.00	2,495	213.24	0.00
36.90	0.00	2,495	213.24	0.00
37.00	0.00	2,495	213.24	0.00
37.10	0.00	2,495	213.24	0.00
37.20	0.00	2,495	213.24	0.00
37.30	0.00	2,495	213.24	0.00
37.40	0.00	2,495	213.24	0.00
37.50	0.00	2,495	213.24	0.00
37.60	0.00	2,495	213.24	0.00
37.70	0.00	2,495	213.24	0.00
37.80	0.00	2,495	213.24	0.00
37.90	0.00	2,495	213.24	0.00
38.00	0.00	2,495	213.24	0.00
38.10	0.00	2,495	213.24	0.00
38.20	0.00	2,495	213.24	0.00
38.30	0.00	2,495	213.24	0.00
38.40	0.00	2,495	213.24	0.00
38.50	0.00	2,495	213.24	0.00
38.60	0.00	2,495	213.24	0.00
38.70	0.00	2,495	213.24	0.00
38.80	0.00	2,495	213.24	0.00
38.90	0.00	2,495	213.24	0.00
39.00	0.00	2,495	213.24	0.00
39.10	0.00	2,495	213.24	0.00
39.20	0.00	2,495	213.24	0.00
39.30	0.00	2,495	213.24	0.00
39.40	0.00	2,495	213.24	0.00
39.50	0.00	2,495	213.24	0.00
39.60	0.00	2,495	213.24	0.00
39.70	0.00	2,495	213.24	0.00
39.80	0.00	2,495	213.24	0.00
39.90	0.00	2,495	213.24	0.00
40.00	0.00	2,495	213.24	0.00

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848	214.56	14,225	18,873
214.05	12,823	11,976	214.57	14,252	19,016
214.06	12,850	12,105	214.58	14,280	19,158
214.07	12,877	12,233	214.59	14,308	19,301
214.08	12,905	12,362	214.60	14,335	19,444
214.09	12,933	12,491	214.61	14,363	19,588
214.10	12,960	12,621	214.62	14,390	19,732
214.11	12,988	12,750	214.63	14,417	19,876
214.12	13,015	12,881	214.64	14,445	20,020
214.13	13,042	13,011	214.65	14,473	20,165
214.14	13,070	13,141	214.66	14,500	20,310
214.15	13,098	13,272	214.67	14,527	20,455
214.16	13,125	13,403	214.68	14,555	20,600
214.17	13,152	13,535	214.69	14,582	20,746
214.18	13,180	13,666	214.70	14,610	20,892
214.19	13,207	13,798	214.71	14,638	21,038
214.20	13,235	13,930	214.72	14,665	21,184
214.21	13,263	14,063	214.73	14,692	21,331
214.22	13,290	14,196	214.74	14,720	21,478
214.23	13,317	14,329	214.75	14,748	21,626
214.24	13,345	14,462	214.76	14,775	21,773
214.25	13,373	14,596	214.77	14,803	21,921
214.26	13,400	14,730	214.78	14,830	22,069
214.27	13,428	14,864	214.79	14,857	22,218
214.28	13,455	14,998	214.80	14,885	22,367
214.29	13,482	15,133	214.81	14,913	22,515
214.30	13,510	15,268	214.82	14,940	22,665
214.31	13,538	15,403	214.83	14,968	22,814
214.32	13,565	15,538	214.84	14,995	22,964
214.33	13,593	15,674	214.85	15,022	23,114
214.34	13,620	15,810	214.86	15,050	23,265
214.35	13,647	15,947	214.87	15,078	23,415
214.36	13,675	16,083	214.88	15,105	23,566
214.37	13,703	16,220	214.89	15,132	23,717
214.38	13,730	16,357	214.90	15,160	23,869
214.39	13,757	16,495	214.91	15,187	24,020
214.40	13,785	16,633	214.92	15,215	24,172
214.41	13,812	16,770	214.93	15,243	24,325
214.42	13,840	16,909	214.94	15,270	24,477
214.43	13,868	17,047	214.95	15,297	24,630
214.44	13,895	17,186	214.96	15,325	24,783
214.45	13,922	17,325	214.97	15,352	24,937
214.46	13,950	17,465	214.98	15,380	25,090
214.47	13,977	17,604	214.99	15,408	25,244
214.48	14,005	17,744	215.00	15,435	25,399
214.49	14,033	17,884	215.01	15,463	25,553
214.50	14,060	18,025	215.02	15,491	25,708
214.51	14,087	18,165	215.03	15,519	25,863
214.52	14,115	18,307	215.04	15,547	26,018
214.53	14,143	18,448	215.05	15,575	26,174
214.54	14,170	18,589	215.06	15,603	26,330
214.55	14,198	18,731	215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642	215.60	17,119	35,165
215.09	15,688	26,799	215.61	17,147	35,336
215.10	15,716	26,956	215.62	17,175	35,508
215.11	15,744	27,113	215.63	17,203	35,679
215.12	15,772	27,271	215.64	17,231	35,852
215.13	15,800	27,429	215.65	17,259	36,024
215.14	15,828	27,587	215.66	17,287	36,197
215.15	15,856	27,745	215.67	17,315	36,370
215.16	15,884	27,904	215.68	17,343	36,543
215.17	15,912	28,063	215.69	17,371	36,717
215.18	15,940	28,222	215.70	17,399	36,890
215.19	15,968	28,382	215.71	17,427	37,065
215.20	15,996	28,542	215.72	17,455	37,239
215.21	16,024	28,702	215.73	17,483	37,414
215.22	16,052	28,862	215.74	17,511	37,589
215.23	16,080	29,023	215.75	17,540	37,764
215.24	16,108	29,184	215.76	17,568	37,939
215.25	16,137	29,345	215.77	17,596	38,115
215.26	16,165	29,506	215.78	17,624	38,291
215.27	16,193	29,668	215.79	17,652	38,468
215.28	16,221	29,830	215.80	17,680	38,644
215.29	16,249	29,993	215.81	17,708	38,821
215.30	16,277	30,155	215.82	17,736	38,999
215.31	16,305	30,318	215.83	17,764	39,176
215.32	16,333	30,481	215.84	17,792	39,354
215.33	16,361	30,645	215.85	17,820	39,532
215.34	16,389	30,809	215.86	17,848	39,710
215.35	16,417	30,973	215.87	17,876	39,889
215.36	16,445	31,137	215.88	17,904	40,068
215.37	16,473	31,302	215.89	17,932	40,247
215.38	16,501	31,466	215.90	17,960	40,426
215.39	16,529	31,632	215.91	17,988	40,606
215.40	16,557	31,797	215.92	18,017	40,786
215.41	16,585	31,963	215.93	18,045	40,967
215.42	16,614	32,129	215.94	18,073	41,147
215.43	16,642	32,295	215.95	18,101	41,328
215.44	16,670	32,462	215.96	18,129	41,509
215.45	16,698	32,628	215.97	18,157	41,691
215.46	16,726	32,795	215.98	18,185	41,872
215.47	16,754	32,963	215.99	18,213	42,054
215.48	16,782	33,131	216.00	18,241	42,237
215.49	16,810	33,299	216.01	18,279	42,419
215.50	16,838	33,467	216.02	18,317	42,602
215.51	16,866	33,635	216.03	18,356	42,785
215.52	16,894	33,804	216.04	18,394	42,969
215.53	16,922	33,973	216.05	18,432	43,153
215.54	16,950	34,143	216.06	18,470	43,338
215.55	16,978	34,312	216.07	18,508	43,523
215.56	17,006	34,482	216.08	18,546	43,708
215.57	17,034	34,652	216.09	18,585	43,894
215.58	17,062	34,823	216.10	18,623	44,080
215.59	17,091	34,994	216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 0.43" for WQ Storm event
Inflow = 2.77 cfs @ 1.10 hrs, Volume= 0.083 af
Outflow = 0.00 cfs @ 2.25 hrs, Volume= 0.000 af, Atten= 100%, Lag= 69.4 min
Primary = 0.00 cfs @ 2.25 hrs, Volume= 0.000 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.85' @ 2.25 hrs Surf.Area= 4,603 sf Storage= 3,623 cf

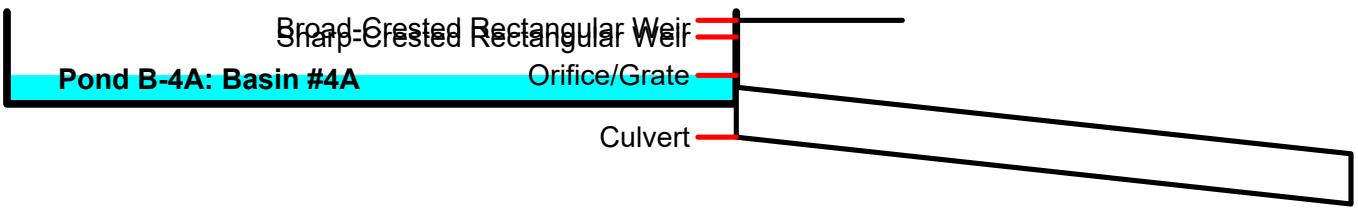
Plug-Flow detention time= 260.9 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 215.3 min (286.7 - 71.4)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

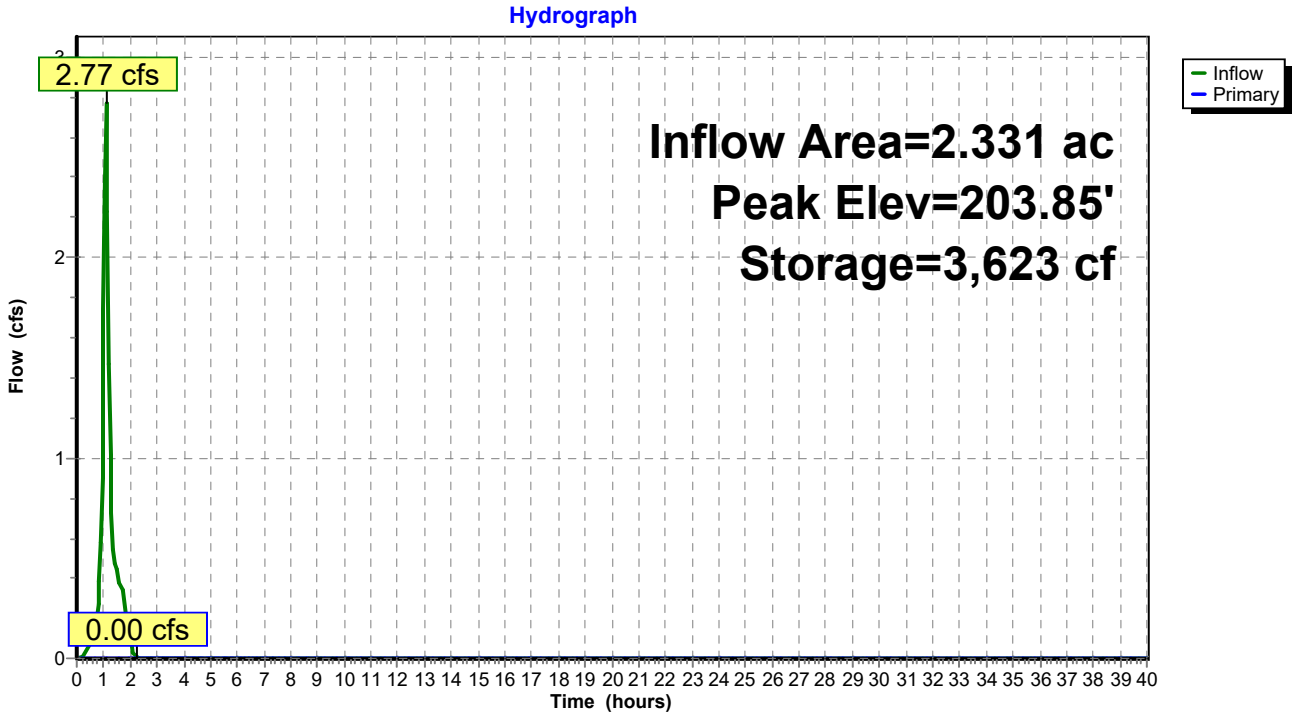
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 2.25 hrs HW=203.85' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.70 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.10 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.02	2	203.00	0.00
0.50	0.07	17	203.00	0.00
0.60	0.14	53	203.01	0.00
0.70	0.19	114	203.03	0.00
0.80	0.27	194	203.05	0.00
0.90	0.58	340	203.09	0.00
1.00	1.74	710	203.18	0.00
1.10	**2.77**	1,543	203.38	0.00
1.20	1.47	2,325	203.56	0.00
1.30	0.73	2,705	203.65	0.00
1.40	0.47	2,910	203.69	0.00
1.50	0.46	3,076	203.73	0.00
1.60	0.38	3,227	203.76	0.00
1.70	0.36	3,358	203.79	0.00
1.80	0.28	3,480	203.82	0.00
1.90	0.13	3,548	203.83	0.00
2.00	0.12	3,593	203.84	0.00
2.10	0.02	3,620	203.85	0.00
2.20	0.00	**3,623**	**203.85**	**0.00**
2.30	0.00	**3,623**	**203.85**	**0.00**
2.40	0.00	3,623	203.85	0.00
2.50	0.00	3,623	203.85	0.00
2.60	0.00	3,623	203.85	0.00
2.70	0.00	3,623	203.85	0.00
2.80	0.00	3,622	203.85	0.00
2.90	0.00	3,622	203.85	0.00
3.00	0.00	3,622	203.85	0.00
3.10	0.00	3,622	203.85	0.00
3.20	0.00	3,622	203.85	0.00
3.30	0.00	3,622	203.85	0.00
3.40	0.00	3,622	203.85	0.00
3.50	0.00	3,622	203.85	0.00
3.60	0.00	3,621	203.85	0.00
3.70	0.00	3,621	203.85	0.00
3.80	0.00	3,621	203.85	0.00
3.90	0.00	3,621	203.85	0.00
4.00	0.00	3,621	203.85	0.00
4.10	0.00	3,621	203.85	0.00
4.20	0.00	3,621	203.85	0.00
4.30	0.00	3,621	203.85	0.00
4.40	0.00	3,621	203.85	0.00
4.50	0.00	3,621	203.85	0.00
4.60	0.00	3,621	203.85	0.00
4.70	0.00	3,620	203.85	0.00
4.80	0.00	3,620	203.85	0.00
4.90	0.00	3,620	203.85	0.00
5.00	0.00	3,620	203.85	0.00
5.10	0.00	3,620	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,620	203.85	0.00
5.30	0.00	3,620	203.85	0.00
5.40	0.00	3,620	203.85	0.00
5.50	0.00	3,620	203.85	0.00
5.60	0.00	3,620	203.85	0.00
5.70	0.00	3,620	203.85	0.00
5.80	0.00	3,620	203.85	0.00
5.90	0.00	3,620	203.85	0.00
6.00	0.00	3,620	203.85	0.00
6.10	0.00	3,620	203.85	0.00
6.20	0.00	3,620	203.85	0.00
6.30	0.00	3,620	203.85	0.00
6.40	0.00	3,620	203.85	0.00
6.50	0.00	3,620	203.85	0.00
6.60	0.00	3,619	203.85	0.00
6.70	0.00	3,619	203.85	0.00
6.80	0.00	3,619	203.85	0.00
6.90	0.00	3,619	203.85	0.00
7.00	0.00	3,619	203.85	0.00
7.10	0.00	3,619	203.85	0.00
7.20	0.00	3,619	203.85	0.00
7.30	0.00	3,619	203.85	0.00
7.40	0.00	3,619	203.85	0.00
7.50	0.00	3,619	203.85	0.00
7.60	0.00	3,619	203.85	0.00
7.70	0.00	3,619	203.85	0.00
7.80	0.00	3,619	203.85	0.00
7.90	0.00	3,619	203.85	0.00
8.00	0.00	3,619	203.85	0.00
8.10	0.00	3,619	203.85	0.00
8.20	0.00	3,619	203.85	0.00
8.30	0.00	3,619	203.85	0.00
8.40	0.00	3,619	203.85	0.00
8.50	0.00	3,619	203.85	0.00
8.60	0.00	3,619	203.85	0.00
8.70	0.00	3,619	203.85	0.00
8.80	0.00	3,619	203.85	0.00
8.90	0.00	3,619	203.85	0.00
9.00	0.00	3,619	203.85	0.00
9.10	0.00	3,619	203.85	0.00
9.20	0.00	3,619	203.85	0.00
9.30	0.00	3,619	203.85	0.00
9.40	0.00	3,619	203.85	0.00
9.50	0.00	3,619	203.85	0.00
9.60	0.00	3,619	203.85	0.00
9.70	0.00	3,619	203.85	0.00
9.80	0.00	3,619	203.85	0.00
9.90	0.00	3,619	203.85	0.00
10.00	0.00	3,619	203.85	0.00
10.10	0.00	3,619	203.85	0.00
10.20	0.00	3,619	203.85	0.00
10.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,619	203.85	0.00
10.50	0.00	3,619	203.85	0.00
10.60	0.00	3,619	203.85	0.00
10.70	0.00	3,619	203.85	0.00
10.80	0.00	3,619	203.85	0.00
10.90	0.00	3,619	203.85	0.00
11.00	0.00	3,619	203.85	0.00
11.10	0.00	3,619	203.85	0.00
11.20	0.00	3,619	203.85	0.00
11.30	0.00	3,619	203.85	0.00
11.40	0.00	3,619	203.85	0.00
11.50	0.00	3,619	203.85	0.00
11.60	0.00	3,619	203.85	0.00
11.70	0.00	3,619	203.85	0.00
11.80	0.00	3,619	203.85	0.00
11.90	0.00	3,619	203.85	0.00
12.00	0.00	3,619	203.85	0.00
12.10	0.00	3,619	203.85	0.00
12.20	0.00	3,619	203.85	0.00
12.30	0.00	3,619	203.85	0.00
12.40	0.00	3,619	203.85	0.00
12.50	0.00	3,619	203.85	0.00
12.60	0.00	3,619	203.85	0.00
12.70	0.00	3,619	203.85	0.00
12.80	0.00	3,619	203.85	0.00
12.90	0.00	3,619	203.85	0.00
13.00	0.00	3,619	203.85	0.00
13.10	0.00	3,619	203.85	0.00
13.20	0.00	3,619	203.85	0.00
13.30	0.00	3,619	203.85	0.00
13.40	0.00	3,619	203.85	0.00
13.50	0.00	3,619	203.85	0.00
13.60	0.00	3,619	203.85	0.00
13.70	0.00	3,619	203.85	0.00
13.80	0.00	3,619	203.85	0.00
13.90	0.00	3,619	203.85	0.00
14.00	0.00	3,619	203.85	0.00
14.10	0.00	3,619	203.85	0.00
14.20	0.00	3,619	203.85	0.00
14.30	0.00	3,619	203.85	0.00
14.40	0.00	3,619	203.85	0.00
14.50	0.00	3,619	203.85	0.00
14.60	0.00	3,619	203.85	0.00
14.70	0.00	3,619	203.85	0.00
14.80	0.00	3,619	203.85	0.00
14.90	0.00	3,619	203.85	0.00
15.00	0.00	3,619	203.85	0.00
15.10	0.00	3,619	203.85	0.00
15.20	0.00	3,619	203.85	0.00
15.30	0.00	3,619	203.85	0.00
15.40	0.00	3,619	203.85	0.00
15.50	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,619	203.85	0.00
15.70	0.00	3,619	203.85	0.00
15.80	0.00	3,619	203.85	0.00
15.90	0.00	3,619	203.85	0.00
16.00	0.00	3,619	203.85	0.00
16.10	0.00	3,619	203.85	0.00
16.20	0.00	3,619	203.85	0.00
16.30	0.00	3,619	203.85	0.00
16.40	0.00	3,619	203.85	0.00
16.50	0.00	3,619	203.85	0.00
16.60	0.00	3,619	203.85	0.00
16.70	0.00	3,619	203.85	0.00
16.80	0.00	3,619	203.85	0.00
16.90	0.00	3,619	203.85	0.00
17.00	0.00	3,619	203.85	0.00
17.10	0.00	3,619	203.85	0.00
17.20	0.00	3,619	203.85	0.00
17.30	0.00	3,619	203.85	0.00
17.40	0.00	3,619	203.85	0.00
17.50	0.00	3,619	203.85	0.00
17.60	0.00	3,619	203.85	0.00
17.70	0.00	3,619	203.85	0.00
17.80	0.00	3,619	203.85	0.00
17.90	0.00	3,619	203.85	0.00
18.00	0.00	3,619	203.85	0.00
18.10	0.00	3,619	203.85	0.00
18.20	0.00	3,619	203.85	0.00
18.30	0.00	3,619	203.85	0.00
18.40	0.00	3,619	203.85	0.00
18.50	0.00	3,619	203.85	0.00
18.60	0.00	3,619	203.85	0.00
18.70	0.00	3,619	203.85	0.00
18.80	0.00	3,619	203.85	0.00
18.90	0.00	3,619	203.85	0.00
19.00	0.00	3,619	203.85	0.00
19.10	0.00	3,619	203.85	0.00
19.20	0.00	3,619	203.85	0.00
19.30	0.00	3,619	203.85	0.00
19.40	0.00	3,619	203.85	0.00
19.50	0.00	3,619	203.85	0.00
19.60	0.00	3,619	203.85	0.00
19.70	0.00	3,619	203.85	0.00
19.80	0.00	3,619	203.85	0.00
19.90	0.00	3,619	203.85	0.00
20.00	0.00	3,619	203.85	0.00
20.10	0.00	3,619	203.85	0.00
20.20	0.00	3,619	203.85	0.00
20.30	0.00	3,619	203.85	0.00
20.40	0.00	3,619	203.85	0.00
20.50	0.00	3,619	203.85	0.00
20.60	0.00	3,619	203.85	0.00
20.70	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,619	203.85	0.00
20.90	0.00	3,619	203.85	0.00
21.00	0.00	3,619	203.85	0.00
21.10	0.00	3,619	203.85	0.00
21.20	0.00	3,619	203.85	0.00
21.30	0.00	3,619	203.85	0.00
21.40	0.00	3,619	203.85	0.00
21.50	0.00	3,619	203.85	0.00
21.60	0.00	3,619	203.85	0.00
21.70	0.00	3,619	203.85	0.00
21.80	0.00	3,619	203.85	0.00
21.90	0.00	3,619	203.85	0.00
22.00	0.00	3,619	203.85	0.00
22.10	0.00	3,619	203.85	0.00
22.20	0.00	3,619	203.85	0.00
22.30	0.00	3,619	203.85	0.00
22.40	0.00	3,619	203.85	0.00
22.50	0.00	3,619	203.85	0.00
22.60	0.00	3,619	203.85	0.00
22.70	0.00	3,619	203.85	0.00
22.80	0.00	3,619	203.85	0.00
22.90	0.00	3,619	203.85	0.00
23.00	0.00	3,619	203.85	0.00
23.10	0.00	3,619	203.85	0.00
23.20	0.00	3,619	203.85	0.00
23.30	0.00	3,619	203.85	0.00
23.40	0.00	3,619	203.85	0.00
23.50	0.00	3,619	203.85	0.00
23.60	0.00	3,619	203.85	0.00
23.70	0.00	3,619	203.85	0.00
23.80	0.00	3,619	203.85	0.00
23.90	0.00	3,619	203.85	0.00
24.00	0.00	3,619	203.85	0.00
24.10	0.00	3,619	203.85	0.00
24.20	0.00	3,619	203.85	0.00
24.30	0.00	3,619	203.85	0.00
24.40	0.00	3,619	203.85	0.00
24.50	0.00	3,619	203.85	0.00
24.60	0.00	3,619	203.85	0.00
24.70	0.00	3,619	203.85	0.00
24.80	0.00	3,619	203.85	0.00
24.90	0.00	3,619	203.85	0.00
25.00	0.00	3,619	203.85	0.00
25.10	0.00	3,619	203.85	0.00
25.20	0.00	3,619	203.85	0.00
25.30	0.00	3,619	203.85	0.00
25.40	0.00	3,619	203.85	0.00
25.50	0.00	3,619	203.85	0.00
25.60	0.00	3,619	203.85	0.00
25.70	0.00	3,619	203.85	0.00
25.80	0.00	3,619	203.85	0.00
25.90	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,619	203.85	0.00
26.10	0.00	3,619	203.85	0.00
26.20	0.00	3,619	203.85	0.00
26.30	0.00	3,619	203.85	0.00
26.40	0.00	3,619	203.85	0.00
26.50	0.00	3,619	203.85	0.00
26.60	0.00	3,619	203.85	0.00
26.70	0.00	3,619	203.85	0.00
26.80	0.00	3,619	203.85	0.00
26.90	0.00	3,619	203.85	0.00
27.00	0.00	3,619	203.85	0.00
27.10	0.00	3,619	203.85	0.00
27.20	0.00	3,619	203.85	0.00
27.30	0.00	3,619	203.85	0.00
27.40	0.00	3,619	203.85	0.00
27.50	0.00	3,619	203.85	0.00
27.60	0.00	3,619	203.85	0.00
27.70	0.00	3,619	203.85	0.00
27.80	0.00	3,619	203.85	0.00
27.90	0.00	3,619	203.85	0.00
28.00	0.00	3,619	203.85	0.00
28.10	0.00	3,619	203.85	0.00
28.20	0.00	3,619	203.85	0.00
28.30	0.00	3,619	203.85	0.00
28.40	0.00	3,619	203.85	0.00
28.50	0.00	3,619	203.85	0.00
28.60	0.00	3,619	203.85	0.00
28.70	0.00	3,619	203.85	0.00
28.80	0.00	3,619	203.85	0.00
28.90	0.00	3,619	203.85	0.00
29.00	0.00	3,619	203.85	0.00
29.10	0.00	3,619	203.85	0.00
29.20	0.00	3,619	203.85	0.00
29.30	0.00	3,619	203.85	0.00
29.40	0.00	3,619	203.85	0.00
29.50	0.00	3,619	203.85	0.00
29.60	0.00	3,619	203.85	0.00
29.70	0.00	3,619	203.85	0.00
29.80	0.00	3,619	203.85	0.00
29.90	0.00	3,619	203.85	0.00
30.00	0.00	3,619	203.85	0.00
30.10	0.00	3,619	203.85	0.00
30.20	0.00	3,619	203.85	0.00
30.30	0.00	3,619	203.85	0.00
30.40	0.00	3,619	203.85	0.00
30.50	0.00	3,619	203.85	0.00
30.60	0.00	3,619	203.85	0.00
30.70	0.00	3,619	203.85	0.00
30.80	0.00	3,619	203.85	0.00
30.90	0.00	3,619	203.85	0.00
31.00	0.00	3,619	203.85	0.00
31.10	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,619	203.85	0.00
31.30	0.00	3,619	203.85	0.00
31.40	0.00	3,619	203.85	0.00
31.50	0.00	3,619	203.85	0.00
31.60	0.00	3,619	203.85	0.00
31.70	0.00	3,619	203.85	0.00
31.80	0.00	3,619	203.85	0.00
31.90	0.00	3,619	203.85	0.00
32.00	0.00	3,619	203.85	0.00
32.10	0.00	3,619	203.85	0.00
32.20	0.00	3,619	203.85	0.00
32.30	0.00	3,619	203.85	0.00
32.40	0.00	3,619	203.85	0.00
32.50	0.00	3,619	203.85	0.00
32.60	0.00	3,619	203.85	0.00
32.70	0.00	3,619	203.85	0.00
32.80	0.00	3,619	203.85	0.00
32.90	0.00	3,619	203.85	0.00
33.00	0.00	3,619	203.85	0.00
33.10	0.00	3,619	203.85	0.00
33.20	0.00	3,619	203.85	0.00
33.30	0.00	3,619	203.85	0.00
33.40	0.00	3,619	203.85	0.00
33.50	0.00	3,619	203.85	0.00
33.60	0.00	3,619	203.85	0.00
33.70	0.00	3,619	203.85	0.00
33.80	0.00	3,619	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0	203.52	4,334	2,144
203.01	3,920	39	203.53	4,342	2,187
203.02	3,928	78	203.54	4,350	2,231
203.03	3,936	118	203.55	4,359	2,274
203.04	3,944	157	203.56	4,367	2,318
203.05	3,953	197	203.57	4,375	2,362
203.06	3,961	236	203.58	4,383	2,406
203.07	3,969	276	203.59	4,391	2,449
203.08	3,977	316	203.60	4,399	2,493
203.09	3,985	355	203.61	4,407	2,537
203.10	3,993	395	203.62	4,415	2,582
203.11	4,001	435	203.63	4,424	2,626
203.12	4,009	475	203.64	4,432	2,670
203.13	4,018	515	203.65	4,440	2,714
203.14	4,026	556	203.66	4,448	2,759
203.15	4,034	596	203.67	4,456	2,803
203.16	4,042	636	203.68	4,464	2,848
203.17	4,050	677	203.69	4,472	2,893
203.18	4,058	717	203.70	4,480	2,937
203.19	4,066	758	203.71	4,489	2,982
203.20	4,074	799	203.72	4,497	3,027
203.21	4,083	839	203.73	4,505	3,072
203.22	4,091	880	203.74	4,513	3,117
203.23	4,099	921	203.75	4,521	3,162
203.24	4,107	962	203.76	4,529	3,208
203.25	4,115	1,003	203.77	4,537	3,253
203.26	4,123	1,045	203.78	4,545	3,298
203.27	4,131	1,086	203.79	4,553	3,344
203.28	4,139	1,127	203.80	4,562	3,389
203.29	4,147	1,169	203.81	4,570	3,435
203.30	4,156	1,210	203.82	4,578	3,481
203.31	4,164	1,252	203.83	4,586	3,527
203.32	4,172	1,293	203.84	4,594	3,573
203.33	4,180	1,335	203.85	4,602	3,619
203.34	4,188	1,377	203.86	4,610	3,665
203.35	4,196	1,419	203.87	4,618	3,711
203.36	4,204	1,461	203.88	4,627	3,757
203.37	4,212	1,503	203.89	4,635	3,803
203.38	4,221	1,545	203.90	4,643	3,850
203.39	4,229	1,587	203.91	4,651	3,896
203.40	4,237	1,630	203.92	4,659	3,943
203.41	4,245	1,672	203.93	4,667	3,989
203.42	4,253	1,715	203.94	4,675	4,036
203.43	4,261	1,757	203.95	4,683	4,083
203.44	4,269	1,800	203.96	4,692	4,130
203.45	4,277	1,843	203.97	4,700	4,177
203.46	4,286	1,885	203.98	4,708	4,224
203.47	4,294	1,928	203.99	4,716	4,271
203.48	4,302	1,971	204.00	4,724	4,318
203.49	4,310	2,014	204.01	4,733	4,365
203.50	4,318	2,058	204.02	4,742	4,413
203.51	4,326	2,101	204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 0.43" for WQ Storm event
Inflow = 2.64 cfs @ 1.10 hrs, Volume= 0.083 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.77' @ 2.35 hrs Surf.Area= 5,068 sf Storage= 3,624 cf

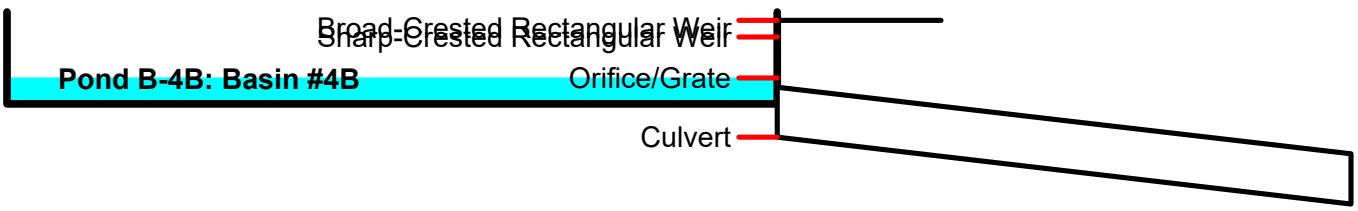
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

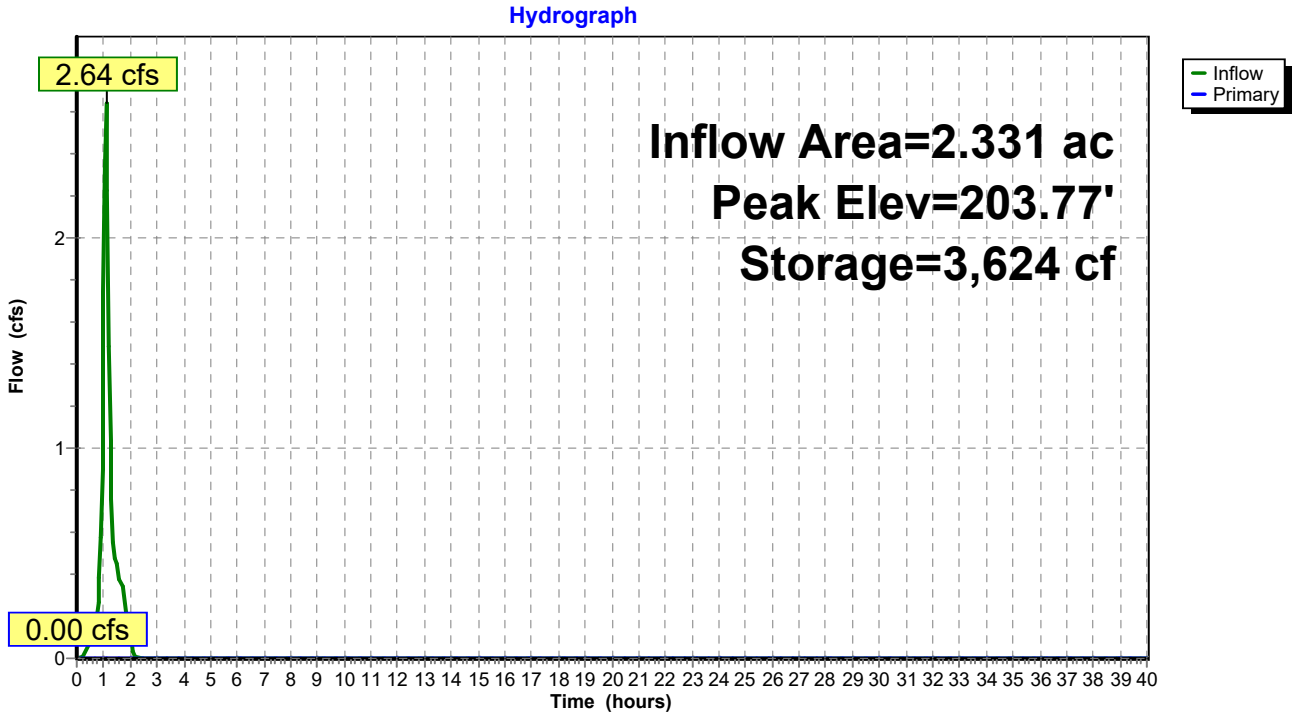
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=203.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 3.20 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	**0.00**
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.02	2	203.00	0.00
0.50	0.07	17	203.00	0.00
0.60	0.14	53	203.01	0.00
0.70	0.19	114	203.03	0.00
0.80	0.27	194	203.04	0.00
0.90	0.58	340	203.08	0.00
1.00	1.74	710	203.16	0.00
1.10	**2.64**	1,527	203.34	0.00
1.20	1.49	2,299	203.51	0.00
1.30	0.76	2,686	203.59	0.00
1.40	0.47	2,896	203.63	0.00
1.50	0.45	3,062	203.66	0.00
1.60	0.38	3,215	203.69	0.00
1.70	0.36	3,346	203.72	0.00
1.80	0.31	3,470	203.74	0.00
1.90	0.14	3,543	203.76	0.00
2.00	0.12	3,588	203.77	0.00
2.10	0.03	3,619	203.77	0.00
2.20	0.00	3,623	203.77	0.00
2.30	0.00	**3,624**	**203.77**	0.00
2.40	0.00	**3,624**	**203.77**	0.00
2.50	0.00	3,624	203.77	0.00
2.60	0.00	3,624	203.77	0.00
2.70	0.00	3,624	203.77	0.00
2.80	0.00	3,624	203.77	0.00
2.90	0.00	3,624	203.77	0.00
3.00	0.00	3,624	203.77	0.00
3.10	0.00	3,624	203.77	0.00
3.20	0.00	3,624	203.77	0.00
3.30	0.00	3,624	203.77	0.00
3.40	0.00	3,624	203.77	0.00
3.50	0.00	3,624	203.77	0.00
3.60	0.00	3,624	203.77	0.00
3.70	0.00	3,624	203.77	0.00
3.80	0.00	3,624	203.77	0.00
3.90	0.00	3,624	203.77	0.00
4.00	0.00	3,624	203.77	0.00
4.10	0.00	3,624	203.77	0.00
4.20	0.00	3,624	203.77	0.00
4.30	0.00	3,624	203.77	0.00
4.40	0.00	3,624	203.77	0.00
4.50	0.00	3,624	203.77	0.00
4.60	0.00	3,624	203.77	0.00
4.70	0.00	3,624	203.77	0.00
4.80	0.00	3,624	203.77	0.00
4.90	0.00	3,624	203.77	0.00
5.00	0.00	3,624	203.77	0.00
5.10	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,624	203.77	0.00
5.30	0.00	3,624	203.77	0.00
5.40	0.00	3,624	203.77	0.00
5.50	0.00	3,624	203.77	0.00
5.60	0.00	3,624	203.77	0.00
5.70	0.00	3,624	203.77	0.00
5.80	0.00	3,624	203.77	0.00
5.90	0.00	3,624	203.77	0.00
6.00	0.00	3,624	203.77	0.00
6.10	0.00	3,624	203.77	0.00
6.20	0.00	3,624	203.77	0.00
6.30	0.00	3,624	203.77	0.00
6.40	0.00	3,624	203.77	0.00
6.50	0.00	3,624	203.77	0.00
6.60	0.00	3,624	203.77	0.00
6.70	0.00	3,624	203.77	0.00
6.80	0.00	3,624	203.77	0.00
6.90	0.00	3,624	203.77	0.00
7.00	0.00	3,624	203.77	0.00
7.10	0.00	3,624	203.77	0.00
7.20	0.00	3,624	203.77	0.00
7.30	0.00	3,624	203.77	0.00
7.40	0.00	3,624	203.77	0.00
7.50	0.00	3,624	203.77	0.00
7.60	0.00	3,624	203.77	0.00
7.70	0.00	3,624	203.77	0.00
7.80	0.00	3,624	203.77	0.00
7.90	0.00	3,624	203.77	0.00
8.00	0.00	3,624	203.77	0.00
8.10	0.00	3,624	203.77	0.00
8.20	0.00	3,624	203.77	0.00
8.30	0.00	3,624	203.77	0.00
8.40	0.00	3,624	203.77	0.00
8.50	0.00	3,624	203.77	0.00
8.60	0.00	3,624	203.77	0.00
8.70	0.00	3,624	203.77	0.00
8.80	0.00	3,624	203.77	0.00
8.90	0.00	3,624	203.77	0.00
9.00	0.00	3,624	203.77	0.00
9.10	0.00	3,624	203.77	0.00
9.20	0.00	3,624	203.77	0.00
9.30	0.00	3,624	203.77	0.00
9.40	0.00	3,624	203.77	0.00
9.50	0.00	3,624	203.77	0.00
9.60	0.00	3,624	203.77	0.00
9.70	0.00	3,624	203.77	0.00
9.80	0.00	3,624	203.77	0.00
9.90	0.00	3,624	203.77	0.00
10.00	0.00	3,624	203.77	0.00
10.10	0.00	3,624	203.77	0.00
10.20	0.00	3,624	203.77	0.00
10.30	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,624	203.77	0.00
10.50	0.00	3,624	203.77	0.00
10.60	0.00	3,624	203.77	0.00
10.70	0.00	3,624	203.77	0.00
10.80	0.00	3,624	203.77	0.00
10.90	0.00	3,624	203.77	0.00
11.00	0.00	3,624	203.77	0.00
11.10	0.00	3,624	203.77	0.00
11.20	0.00	3,624	203.77	0.00
11.30	0.00	3,624	203.77	0.00
11.40	0.00	3,624	203.77	0.00
11.50	0.00	3,624	203.77	0.00
11.60	0.00	3,624	203.77	0.00
11.70	0.00	3,624	203.77	0.00
11.80	0.00	3,624	203.77	0.00
11.90	0.00	3,624	203.77	0.00
12.00	0.00	3,624	203.77	0.00
12.10	0.00	3,624	203.77	0.00
12.20	0.00	3,624	203.77	0.00
12.30	0.00	3,624	203.77	0.00
12.40	0.00	3,624	203.77	0.00
12.50	0.00	3,624	203.77	0.00
12.60	0.00	3,624	203.77	0.00
12.70	0.00	3,624	203.77	0.00
12.80	0.00	3,624	203.77	0.00
12.90	0.00	3,624	203.77	0.00
13.00	0.00	3,624	203.77	0.00
13.10	0.00	3,624	203.77	0.00
13.20	0.00	3,624	203.77	0.00
13.30	0.00	3,624	203.77	0.00
13.40	0.00	3,624	203.77	0.00
13.50	0.00	3,624	203.77	0.00
13.60	0.00	3,624	203.77	0.00
13.70	0.00	3,624	203.77	0.00
13.80	0.00	3,624	203.77	0.00
13.90	0.00	3,624	203.77	0.00
14.00	0.00	3,624	203.77	0.00
14.10	0.00	3,624	203.77	0.00
14.20	0.00	3,624	203.77	0.00
14.30	0.00	3,624	203.77	0.00
14.40	0.00	3,624	203.77	0.00
14.50	0.00	3,624	203.77	0.00
14.60	0.00	3,624	203.77	0.00
14.70	0.00	3,624	203.77	0.00
14.80	0.00	3,624	203.77	0.00
14.90	0.00	3,624	203.77	0.00
15.00	0.00	3,624	203.77	0.00
15.10	0.00	3,624	203.77	0.00
15.20	0.00	3,624	203.77	0.00
15.30	0.00	3,624	203.77	0.00
15.40	0.00	3,624	203.77	0.00
15.50	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,624	203.77	0.00
15.70	0.00	3,624	203.77	0.00
15.80	0.00	3,624	203.77	0.00
15.90	0.00	3,624	203.77	0.00
16.00	0.00	3,624	203.77	0.00
16.10	0.00	3,624	203.77	0.00
16.20	0.00	3,624	203.77	0.00
16.30	0.00	3,624	203.77	0.00
16.40	0.00	3,624	203.77	0.00
16.50	0.00	3,624	203.77	0.00
16.60	0.00	3,624	203.77	0.00
16.70	0.00	3,624	203.77	0.00
16.80	0.00	3,624	203.77	0.00
16.90	0.00	3,624	203.77	0.00
17.00	0.00	3,624	203.77	0.00
17.10	0.00	3,624	203.77	0.00
17.20	0.00	3,624	203.77	0.00
17.30	0.00	3,624	203.77	0.00
17.40	0.00	3,624	203.77	0.00
17.50	0.00	3,624	203.77	0.00
17.60	0.00	3,624	203.77	0.00
17.70	0.00	3,624	203.77	0.00
17.80	0.00	3,624	203.77	0.00
17.90	0.00	3,624	203.77	0.00
18.00	0.00	3,624	203.77	0.00
18.10	0.00	3,624	203.77	0.00
18.20	0.00	3,624	203.77	0.00
18.30	0.00	3,624	203.77	0.00
18.40	0.00	3,624	203.77	0.00
18.50	0.00	3,624	203.77	0.00
18.60	0.00	3,624	203.77	0.00
18.70	0.00	3,624	203.77	0.00
18.80	0.00	3,624	203.77	0.00
18.90	0.00	3,624	203.77	0.00
19.00	0.00	3,624	203.77	0.00
19.10	0.00	3,624	203.77	0.00
19.20	0.00	3,624	203.77	0.00
19.30	0.00	3,624	203.77	0.00
19.40	0.00	3,624	203.77	0.00
19.50	0.00	3,624	203.77	0.00
19.60	0.00	3,624	203.77	0.00
19.70	0.00	3,624	203.77	0.00
19.80	0.00	3,624	203.77	0.00
19.90	0.00	3,624	203.77	0.00
20.00	0.00	3,624	203.77	0.00
20.10	0.00	3,624	203.77	0.00
20.20	0.00	3,624	203.77	0.00
20.30	0.00	3,624	203.77	0.00
20.40	0.00	3,624	203.77	0.00
20.50	0.00	3,624	203.77	0.00
20.60	0.00	3,624	203.77	0.00
20.70	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,624	203.77	0.00
20.90	0.00	3,624	203.77	0.00
21.00	0.00	3,624	203.77	0.00
21.10	0.00	3,624	203.77	0.00
21.20	0.00	3,624	203.77	0.00
21.30	0.00	3,624	203.77	0.00
21.40	0.00	3,624	203.77	0.00
21.50	0.00	3,624	203.77	0.00
21.60	0.00	3,624	203.77	0.00
21.70	0.00	3,624	203.77	0.00
21.80	0.00	3,624	203.77	0.00
21.90	0.00	3,624	203.77	0.00
22.00	0.00	3,624	203.77	0.00
22.10	0.00	3,624	203.77	0.00
22.20	0.00	3,624	203.77	0.00
22.30	0.00	3,624	203.77	0.00
22.40	0.00	3,624	203.77	0.00
22.50	0.00	3,624	203.77	0.00
22.60	0.00	3,624	203.77	0.00
22.70	0.00	3,624	203.77	0.00
22.80	0.00	3,624	203.77	0.00
22.90	0.00	3,624	203.77	0.00
23.00	0.00	3,624	203.77	0.00
23.10	0.00	3,624	203.77	0.00
23.20	0.00	3,624	203.77	0.00
23.30	0.00	3,624	203.77	0.00
23.40	0.00	3,624	203.77	0.00
23.50	0.00	3,624	203.77	0.00
23.60	0.00	3,624	203.77	0.00
23.70	0.00	3,624	203.77	0.00
23.80	0.00	3,624	203.77	0.00
23.90	0.00	3,624	203.77	0.00
24.00	0.00	3,624	203.77	0.00
24.10	0.00	3,624	203.77	0.00
24.20	0.00	3,624	203.77	0.00
24.30	0.00	3,624	203.77	0.00
24.40	0.00	3,624	203.77	0.00
24.50	0.00	3,624	203.77	0.00
24.60	0.00	3,624	203.77	0.00
24.70	0.00	3,624	203.77	0.00
24.80	0.00	3,624	203.77	0.00
24.90	0.00	3,624	203.77	0.00
25.00	0.00	3,624	203.77	0.00
25.10	0.00	3,624	203.77	0.00
25.20	0.00	3,624	203.77	0.00
25.30	0.00	3,624	203.77	0.00
25.40	0.00	3,624	203.77	0.00
25.50	0.00	3,624	203.77	0.00
25.60	0.00	3,624	203.77	0.00
25.70	0.00	3,624	203.77	0.00
25.80	0.00	3,624	203.77	0.00
25.90	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,624	203.77	0.00
26.10	0.00	3,624	203.77	0.00
26.20	0.00	3,624	203.77	0.00
26.30	0.00	3,624	203.77	0.00
26.40	0.00	3,624	203.77	0.00
26.50	0.00	3,624	203.77	0.00
26.60	0.00	3,624	203.77	0.00
26.70	0.00	3,624	203.77	0.00
26.80	0.00	3,624	203.77	0.00
26.90	0.00	3,624	203.77	0.00
27.00	0.00	3,624	203.77	0.00
27.10	0.00	3,624	203.77	0.00
27.20	0.00	3,624	203.77	0.00
27.30	0.00	3,624	203.77	0.00
27.40	0.00	3,624	203.77	0.00
27.50	0.00	3,624	203.77	0.00
27.60	0.00	3,624	203.77	0.00
27.70	0.00	3,624	203.77	0.00
27.80	0.00	3,624	203.77	0.00
27.90	0.00	3,624	203.77	0.00
28.00	0.00	3,624	203.77	0.00
28.10	0.00	3,624	203.77	0.00
28.20	0.00	3,624	203.77	0.00
28.30	0.00	3,624	203.77	0.00
28.40	0.00	3,624	203.77	0.00
28.50	0.00	3,624	203.77	0.00
28.60	0.00	3,624	203.77	0.00
28.70	0.00	3,624	203.77	0.00
28.80	0.00	3,624	203.77	0.00
28.90	0.00	3,624	203.77	0.00
29.00	0.00	3,624	203.77	0.00
29.10	0.00	3,624	203.77	0.00
29.20	0.00	3,624	203.77	0.00
29.30	0.00	3,624	203.77	0.00
29.40	0.00	3,624	203.77	0.00
29.50	0.00	3,624	203.77	0.00
29.60	0.00	3,624	203.77	0.00
29.70	0.00	3,624	203.77	0.00
29.80	0.00	3,624	203.77	0.00
29.90	0.00	3,624	203.77	0.00
30.00	0.00	3,624	203.77	0.00
30.10	0.00	3,624	203.77	0.00
30.20	0.00	3,624	203.77	0.00
30.30	0.00	3,624	203.77	0.00
30.40	0.00	3,624	203.77	0.00
30.50	0.00	3,624	203.77	0.00
30.60	0.00	3,624	203.77	0.00
30.70	0.00	3,624	203.77	0.00
30.80	0.00	3,624	203.77	0.00
30.90	0.00	3,624	203.77	0.00
31.00	0.00	3,624	203.77	0.00
31.10	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,624	203.77	0.00
31.30	0.00	3,624	203.77	0.00
31.40	0.00	3,624	203.77	0.00
31.50	0.00	3,624	203.77	0.00
31.60	0.00	3,624	203.77	0.00
31.70	0.00	3,624	203.77	0.00
31.80	0.00	3,624	203.77	0.00
31.90	0.00	3,624	203.77	0.00
32.00	0.00	3,624	203.77	0.00
32.10	0.00	3,624	203.77	0.00
32.20	0.00	3,624	203.77	0.00
32.30	0.00	3,624	203.77	0.00
32.40	0.00	3,624	203.77	0.00
32.50	0.00	3,624	203.77	0.00
32.60	0.00	3,624	203.77	0.00
32.70	0.00	3,624	203.77	0.00
32.80	0.00	3,624	203.77	0.00
32.90	0.00	3,624	203.77	0.00
33.00	0.00	3,624	203.77	0.00
33.10	0.00	3,624	203.77	0.00
33.20	0.00	3,624	203.77	0.00
33.30	0.00	3,624	203.77	0.00
33.40	0.00	3,624	203.77	0.00
33.50	0.00	3,624	203.77	0.00
33.60	0.00	3,624	203.77	0.00
33.70	0.00	3,624	203.77	0.00
33.80	0.00	3,624	203.77	0.00
33.90	0.00	3,624	203.77	0.00
34.00	0.00	3,624	203.77	0.00
34.10	0.00	3,624	203.77	0.00
34.20	0.00	3,624	203.77	0.00
34.30	0.00	3,624	203.77	0.00
34.40	0.00	3,624	203.77	0.00
34.50	0.00	3,624	203.77	0.00
34.60	0.00	3,624	203.77	0.00
34.70	0.00	3,624	203.77	0.00
34.80	0.00	3,624	203.77	0.00
34.90	0.00	3,624	203.77	0.00
35.00	0.00	3,624	203.77	0.00
35.10	0.00	3,624	203.77	0.00
35.20	0.00	3,624	203.77	0.00
35.30	0.00	3,624	203.77	0.00
35.40	0.00	3,624	203.77	0.00
35.50	0.00	3,624	203.77	0.00
35.60	0.00	3,624	203.77	0.00
35.70	0.00	3,624	203.77	0.00
35.80	0.00	3,624	203.77	0.00
35.90	0.00	3,624	203.77	0.00
36.00	0.00	3,624	203.77	0.00
36.10	0.00	3,624	203.77	0.00
36.20	0.00	3,624	203.77	0.00
36.30	0.00	3,624	203.77	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,624	203.77	0.00
36.50	0.00	3,624	203.77	0.00
36.60	0.00	3,624	203.77	0.00
36.70	0.00	3,624	203.77	0.00
36.80	0.00	3,624	203.77	0.00
36.90	0.00	3,624	203.77	0.00
37.00	0.00	3,624	203.77	0.00
37.10	0.00	3,624	203.77	0.00
37.20	0.00	3,624	203.77	0.00
37.30	0.00	3,624	203.77	0.00
37.40	0.00	3,624	203.77	0.00
37.50	0.00	3,624	203.77	0.00
37.60	0.00	3,624	203.77	0.00
37.70	0.00	3,624	203.77	0.00
37.80	0.00	3,624	203.77	0.00
37.90	0.00	3,624	203.77	0.00
38.00	0.00	3,624	203.77	0.00
38.10	0.00	3,624	203.77	0.00
38.20	0.00	3,624	203.77	0.00
38.30	0.00	3,624	203.77	0.00
38.40	0.00	3,624	203.77	0.00
38.50	0.00	3,624	203.77	0.00
38.60	0.00	3,624	203.77	0.00
38.70	0.00	3,624	203.77	0.00
38.80	0.00	3,624	203.77	0.00
38.90	0.00	3,624	203.77	0.00
39.00	0.00	3,624	203.77	0.00
39.10	0.00	3,624	203.77	0.00
39.20	0.00	3,624	203.77	0.00
39.30	0.00	3,624	203.77	0.00
39.40	0.00	3,624	203.77	0.00
39.50	0.00	3,624	203.77	0.00
39.60	0.00	3,624	203.77	0.00
39.70	0.00	3,624	203.77	0.00
39.80	0.00	3,624	203.77	0.00
39.90	0.00	3,624	203.77	0.00
40.00	0.00	3,624	203.77	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0
203.01	4,302	43
203.02	4,312	86
203.03	4,322	129
203.04	4,332	172
203.05	4,342	216
203.06	4,352	259
203.07	4,362	303
203.08	4,372	347
203.09	4,382	390
203.10	4,392	434
203.11	4,402	478
203.12	4,412	522
203.13	4,422	566
203.14	4,432	611
203.15	4,442	655
203.16	4,452	700
203.17	4,462	744
203.18	4,472	789
203.19	4,482	834
203.20	4,492	878
203.21	4,502	923
203.22	4,512	968
203.23	4,522	1,014
203.24	4,532	1,059
203.25	4,543	1,104
203.26	4,553	1,150
203.27	4,563	1,195
203.28	4,573	1,241
203.29	4,583	1,287
203.30	4,593	1,333
203.31	4,603	1,379
203.32	4,613	1,425
203.33	4,623	1,471
203.34	4,633	1,517
203.35	4,643	1,564
203.36	4,653	1,610
203.37	4,663	1,657
203.38	4,673	1,703
203.39	4,683	1,750
203.40	4,693	1,797
203.41	4,703	1,844
203.42	4,713	1,891
203.43	4,723	1,938
203.44	4,733	1,985
203.45	4,743	2,033
203.46	4,753	2,080
203.47	4,763	2,128
203.48	4,773	2,176
203.49	4,783	2,223
203.50	4,793	2,271
203.51	4,803	2,319
203.52	4,813	2,367
203.53	4,823	2,415
203.54	4,833	2,464
203.55	4,843	2,512
203.56	4,853	2,561
203.57	4,863	2,609
203.58	4,873	2,658
203.59	4,883	2,707
203.60	4,893	2,756
203.61	4,903	2,805
203.62	4,913	2,854
203.63	4,923	2,903
203.64	4,933	2,952
203.65	4,943	3,001
203.66	4,953	3,051
203.67	4,963	3,101
203.68	4,973	3,150
203.69	4,983	3,200
203.70	4,993	3,250
203.71	5,003	3,300
203.72	5,013	3,350
203.73	5,023	3,400
203.74	5,033	3,450
203.75	5,044	3,501
203.76	5,054	3,551
203.77	5,064	3,602
203.78	5,074	3,653
203.79	5,084	3,703
203.80	5,094	3,754
203.81	5,104	3,805
203.82	5,114	3,856
203.83	5,124	3,907
203.84	5,134	3,959
203.85	5,144	4,010
203.86	5,154	4,062
203.87	5,164	4,113
203.88	5,174	4,165
203.89	5,184	4,217
203.90	5,194	4,269
203.91	5,204	4,321
203.92	5,214	4,373
203.93	5,224	4,425
203.94	5,234	4,477
203.95	5,244	4,530
203.96	5,254	4,582
203.97	5,264	4,635
203.98	5,274	4,687
203.99	5,284	4,740
204.00	5,294	4,793
204.01	5,305	4,846
204.02	5,316	4,899
204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006	204.56	5,909	7,930
204.05	5,349	5,059	204.57	5,920	7,989
204.06	5,360	5,113	204.58	5,931	8,048
204.07	5,371	5,166	204.59	5,942	8,108
204.08	5,382	5,220	204.60	5,953	8,167
204.09	5,393	5,274	204.61	5,964	8,227
204.10	5,404	5,328	204.62	5,975	8,287
204.11	5,415	5,382	204.63	5,986	8,346
204.12	5,426	5,436	204.64	5,997	8,406
204.13	5,437	5,491	204.65	6,008	8,466
204.14	5,448	5,545	204.66	6,019	8,526
204.15	5,459	5,599	204.67	6,030	8,587
204.16	5,470	5,654	204.68	6,041	8,647
204.17	5,481	5,709	204.69	6,052	8,707
204.18	5,492	5,764	204.70	6,063	8,768
204.19	5,503	5,819	204.71	6,074	8,829
204.20	5,514	5,874	204.72	6,085	8,890
204.21	5,525	5,929	204.73	6,096	8,950
204.22	5,536	5,984	204.74	6,107	9,011
204.23	5,547	6,040	204.75	6,118	9,073
204.24	5,558	6,095	204.76	6,129	9,134
204.25	5,569	6,151	204.77	6,140	9,195
204.26	5,580	6,207	204.78	6,151	9,257
204.27	5,591	6,262	204.79	6,162	9,318
204.28	5,602	6,318	204.80	6,173	9,380
204.29	5,613	6,374	204.81	6,184	9,442
204.30	5,624	6,431	204.82	6,195	9,504
204.31	5,635	6,487	204.83	6,206	9,566
204.32	5,646	6,543	204.84	6,217	9,628
204.33	5,657	6,600	204.85	6,228	9,690
204.34	5,668	6,656	204.86	6,239	9,752
204.35	5,679	6,713	204.87	6,250	9,815
204.36	5,690	6,770	204.88	6,261	9,877
204.37	5,701	6,827	204.89	6,272	9,940
204.38	5,712	6,884	204.90	6,283	10,003
204.39	5,723	6,941	204.91	6,294	10,066
204.40	5,734	6,999	204.92	6,305	10,129
204.41	5,745	7,056	204.93	6,316	10,192
204.42	5,756	7,113	204.94	6,327	10,255
204.43	5,767	7,171	204.95	6,338	10,318
204.44	5,778	7,229	204.96	6,349	10,382
204.45	5,789	7,287	204.97	6,360	10,445
204.46	5,800	7,345	204.98	6,371	10,509
204.47	5,811	7,403	204.99	6,382	10,573
204.48	5,822	7,461	205.00	6,393	10,637
204.49	5,833	7,519	205.01	6,400	10,700
204.50	5,844	7,577	205.02	6,407	10,765
204.51	5,854	7,636	205.03	6,415	10,829
204.52	5,865	7,694	205.04	6,422	10,893
204.53	5,876	7,753	205.05	6,429	10,957
204.54	5,887	7,812	205.06	6,436	11,021
204.55	5,898	7,871	205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 0.01" for WQ Storm event
Inflow = 0.13 cfs @ 1.12 hrs, Volume= 0.004 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.01' @ 40.00 hrs Surf.Area= 15,463 sf Storage= 187 cf

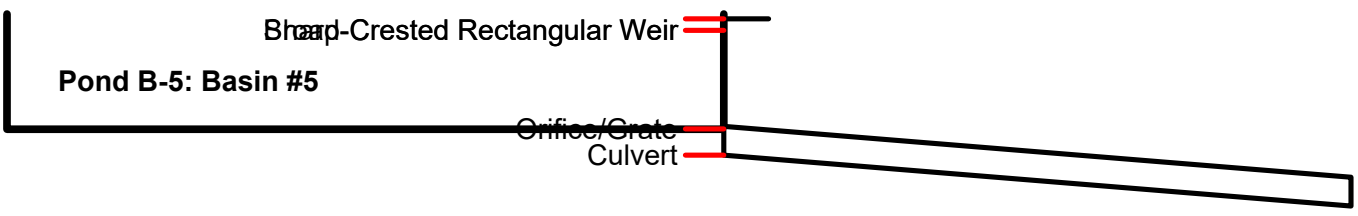
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

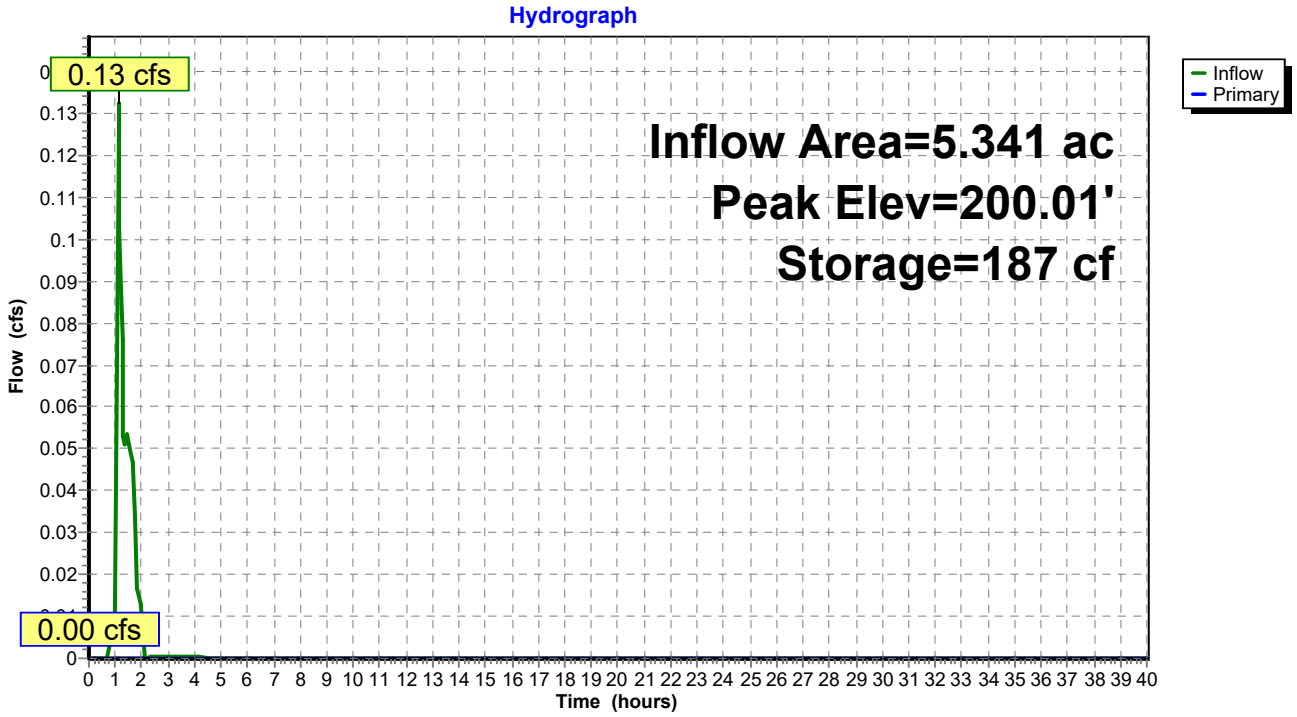
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=200.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.63 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	**0.00**
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	**0.13**	16	200.00	0.00
1.20	0.09	54	200.00	0.00
1.30	0.05	81	200.01	0.00
1.40	0.05	99	200.01	0.00
1.50	0.06	119	200.01	0.00
1.60	0.05	136	200.01	0.00
1.70	0.05	153	200.01	0.00
1.80	0.02	168	200.01	0.00
1.90	0.02	174	200.01	0.00
2.00	0.02	180	200.01	0.00
2.10	0.00	182	200.01	0.00
2.20	0.00	182	200.01	0.00
2.30	0.00	182	200.01	0.00
2.40	0.00	182	200.01	0.00
2.50	0.00	182	200.01	0.00
2.60	0.00	183	200.01	0.00
2.70	0.00	183	200.01	0.00
2.80	0.00	183	200.01	0.00
2.90	0.00	183	200.01	0.00
3.00	0.00	183	200.01	0.00
3.10	0.00	183	200.01	0.00
3.20	0.00	183	200.01	0.00
3.30	0.00	184	200.01	0.00
3.40	0.00	184	200.01	0.00
3.50	0.00	184	200.01	0.00
3.60	0.00	184	200.01	0.00
3.70	0.00	184	200.01	0.00
3.80	0.00	184	200.01	0.00
3.90	0.00	184	200.01	0.00
4.00	0.00	184	200.01	0.00
4.10	0.00	184	200.01	0.00
4.20	0.00	185	200.01	0.00
4.30	0.00	185	200.01	0.00
4.40	0.00	185	200.01	0.00
4.50	0.00	185	200.01	0.00
4.60	0.00	185	200.01	0.00
4.70	0.00	185	200.01	0.00
4.80	0.00	185	200.01	0.00
4.90	0.00	185	200.01	0.00
5.00	0.00	185	200.01	0.00
5.10	0.00	185	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	185	200.01	0.00
5.30	0.00	185	200.01	0.00
5.40	0.00	185	200.01	0.00
5.50	0.00	185	200.01	0.00
5.60	0.00	186	200.01	0.00
5.70	0.00	186	200.01	0.00
5.80	0.00	186	200.01	0.00
5.90	0.00	186	200.01	0.00
6.00	0.00	186	200.01	0.00
6.10	0.00	186	200.01	0.00
6.20	0.00	186	200.01	0.00
6.30	0.00	186	200.01	0.00
6.40	0.00	186	200.01	0.00
6.50	0.00	186	200.01	0.00
6.60	0.00	186	200.01	0.00
6.70	0.00	186	200.01	0.00
6.80	0.00	186	200.01	0.00
6.90	0.00	186	200.01	0.00
7.00	0.00	186	200.01	0.00
7.10	0.00	186	200.01	0.00
7.20	0.00	186	200.01	0.00
7.30	0.00	186	200.01	0.00
7.40	0.00	186	200.01	0.00
7.50	0.00	186	200.01	0.00
7.60	0.00	186	200.01	0.00
7.70	0.00	186	200.01	0.00
7.80	0.00	186	200.01	0.00
7.90	0.00	186	200.01	0.00
8.00	0.00	186	200.01	0.00
8.10	0.00	186	200.01	0.00
8.20	0.00	186	200.01	0.00
8.30	0.00	186	200.01	0.00
8.40	0.00	186	200.01	0.00
8.50	0.00	186	200.01	0.00
8.60	0.00	186	200.01	0.00
8.70	0.00	186	200.01	0.00
8.80	0.00	186	200.01	0.00
8.90	0.00	186	200.01	0.00
9.00	0.00	186	200.01	0.00
9.10	0.00	187	200.01	0.00
9.20	0.00	187	200.01	0.00
9.30	0.00	187	200.01	0.00
9.40	0.00	187	200.01	0.00
9.50	0.00	187	200.01	0.00
9.60	0.00	187	200.01	0.00
9.70	0.00	187	200.01	0.00
9.80	0.00	187	200.01	0.00
9.90	0.00	187	200.01	0.00
10.00	0.00	187	200.01	0.00
10.10	0.00	187	200.01	0.00
10.20	0.00	187	200.01	0.00
10.30	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	187	200.01	0.00
10.50	0.00	187	200.01	0.00
10.60	0.00	187	200.01	0.00
10.70	0.00	187	200.01	0.00
10.80	0.00	187	200.01	0.00
10.90	0.00	187	200.01	0.00
11.00	0.00	187	200.01	0.00
11.10	0.00	187	200.01	0.00
11.20	0.00	187	200.01	0.00
11.30	0.00	187	200.01	0.00
11.40	0.00	187	200.01	0.00
11.50	0.00	187	200.01	0.00
11.60	0.00	187	200.01	0.00
11.70	0.00	187	200.01	0.00
11.80	0.00	187	200.01	0.00
11.90	0.00	187	200.01	0.00
12.00	0.00	187	200.01	0.00
12.10	0.00	187	200.01	0.00
12.20	0.00	187	200.01	0.00
12.30	0.00	187	200.01	0.00
12.40	0.00	187	200.01	0.00
12.50	0.00	187	200.01	0.00
12.60	0.00	187	200.01	0.00
12.70	0.00	187	200.01	0.00
12.80	0.00	187	200.01	0.00
12.90	0.00	187	200.01	0.00
13.00	0.00	187	200.01	0.00
13.10	0.00	187	200.01	0.00
13.20	0.00	187	200.01	0.00
13.30	0.00	187	200.01	0.00
13.40	0.00	187	200.01	0.00
13.50	0.00	187	200.01	0.00
13.60	0.00	187	200.01	0.00
13.70	0.00	187	200.01	0.00
13.80	0.00	187	200.01	0.00
13.90	0.00	187	200.01	0.00
14.00	0.00	187	200.01	0.00
14.10	0.00	187	200.01	0.00
14.20	0.00	187	200.01	0.00
14.30	0.00	187	200.01	0.00
14.40	0.00	187	200.01	0.00
14.50	0.00	187	200.01	0.00
14.60	0.00	187	200.01	0.00
14.70	0.00	187	200.01	0.00
14.80	0.00	187	200.01	0.00
14.90	0.00	187	200.01	0.00
15.00	0.00	187	200.01	0.00
15.10	0.00	187	200.01	0.00
15.20	0.00	187	200.01	0.00
15.30	0.00	187	200.01	0.00
15.40	0.00	187	200.01	0.00
15.50	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	187	200.01	0.00
15.70	0.00	187	200.01	0.00
15.80	0.00	187	200.01	0.00
15.90	0.00	187	200.01	0.00
16.00	0.00	187	200.01	0.00
16.10	0.00	187	200.01	0.00
16.20	0.00	187	200.01	0.00
16.30	0.00	187	200.01	0.00
16.40	0.00	187	200.01	0.00
16.50	0.00	187	200.01	0.00
16.60	0.00	187	200.01	0.00
16.70	0.00	187	200.01	0.00
16.80	0.00	187	200.01	0.00
16.90	0.00	187	200.01	0.00
17.00	0.00	187	200.01	0.00
17.10	0.00	187	200.01	0.00
17.20	0.00	187	200.01	0.00
17.30	0.00	187	200.01	0.00
17.40	0.00	187	200.01	0.00
17.50	0.00	187	200.01	0.00
17.60	0.00	187	200.01	0.00
17.70	0.00	187	200.01	0.00
17.80	0.00	187	200.01	0.00
17.90	0.00	187	200.01	0.00
18.00	0.00	187	200.01	0.00
18.10	0.00	187	200.01	0.00
18.20	0.00	187	200.01	0.00
18.30	0.00	187	200.01	0.00
18.40	0.00	187	200.01	0.00
18.50	0.00	187	200.01	0.00
18.60	0.00	187	200.01	0.00
18.70	0.00	187	200.01	0.00
18.80	0.00	187	200.01	0.00
18.90	0.00	187	200.01	0.00
19.00	0.00	187	200.01	0.00
19.10	0.00	187	200.01	0.00
19.20	0.00	187	200.01	0.00
19.30	0.00	187	200.01	0.00
19.40	0.00	187	200.01	0.00
19.50	0.00	187	200.01	0.00
19.60	0.00	187	200.01	0.00
19.70	0.00	187	200.01	0.00
19.80	0.00	187	200.01	0.00
19.90	0.00	187	200.01	0.00
20.00	0.00	187	200.01	0.00
20.10	0.00	187	200.01	0.00
20.20	0.00	187	200.01	0.00
20.30	0.00	187	200.01	0.00
20.40	0.00	187	200.01	0.00
20.50	0.00	187	200.01	0.00
20.60	0.00	187	200.01	0.00
20.70	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	187	200.01	0.00
20.90	0.00	187	200.01	0.00
21.00	0.00	187	200.01	0.00
21.10	0.00	187	200.01	0.00
21.20	0.00	187	200.01	0.00
21.30	0.00	187	200.01	0.00
21.40	0.00	187	200.01	0.00
21.50	0.00	187	200.01	0.00
21.60	0.00	187	200.01	0.00
21.70	0.00	187	200.01	0.00
21.80	0.00	187	200.01	0.00
21.90	0.00	187	200.01	0.00
22.00	0.00	187	200.01	0.00
22.10	0.00	187	200.01	0.00
22.20	0.00	187	200.01	0.00
22.30	0.00	187	200.01	0.00
22.40	0.00	187	200.01	0.00
22.50	0.00	187	200.01	0.00
22.60	0.00	187	200.01	0.00
22.70	0.00	187	200.01	0.00
22.80	0.00	187	200.01	0.00
22.90	0.00	187	200.01	0.00
23.00	0.00	187	200.01	0.00
23.10	0.00	187	200.01	0.00
23.20	0.00	187	200.01	0.00
23.30	0.00	187	200.01	0.00
23.40	0.00	187	200.01	0.00
23.50	0.00	187	200.01	0.00
23.60	0.00	187	200.01	0.00
23.70	0.00	187	200.01	0.00
23.80	0.00	187	200.01	0.00
23.90	0.00	187	200.01	0.00
24.00	0.00	187	200.01	0.00
24.10	0.00	187	200.01	0.00
24.20	0.00	187	200.01	0.00
24.30	0.00	187	200.01	0.00
24.40	0.00	187	200.01	0.00
24.50	0.00	187	200.01	0.00
24.60	0.00	187	200.01	0.00
24.70	0.00	187	200.01	0.00
24.80	0.00	187	200.01	0.00
24.90	0.00	187	200.01	0.00
25.00	0.00	187	200.01	0.00
25.10	0.00	187	200.01	0.00
25.20	0.00	187	200.01	0.00
25.30	0.00	187	200.01	0.00
25.40	0.00	187	200.01	0.00
25.50	0.00	187	200.01	0.00
25.60	0.00	187	200.01	0.00
25.70	0.00	187	200.01	0.00
25.80	0.00	187	200.01	0.00
25.90	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	187	200.01	0.00
26.10	0.00	187	200.01	0.00
26.20	0.00	187	200.01	0.00
26.30	0.00	187	200.01	0.00
26.40	0.00	187	200.01	0.00
26.50	0.00	187	200.01	0.00
26.60	0.00	187	200.01	0.00
26.70	0.00	187	200.01	0.00
26.80	0.00	187	200.01	0.00
26.90	0.00	187	200.01	0.00
27.00	0.00	187	200.01	0.00
27.10	0.00	187	200.01	0.00
27.20	0.00	187	200.01	0.00
27.30	0.00	187	200.01	0.00
27.40	0.00	187	200.01	0.00
27.50	0.00	187	200.01	0.00
27.60	0.00	187	200.01	0.00
27.70	0.00	187	200.01	0.00
27.80	0.00	187	200.01	0.00
27.90	0.00	187	200.01	0.00
28.00	0.00	187	200.01	0.00
28.10	0.00	187	200.01	0.00
28.20	0.00	187	200.01	0.00
28.30	0.00	187	200.01	0.00
28.40	0.00	187	200.01	0.00
28.50	0.00	187	200.01	0.00
28.60	0.00	187	200.01	0.00
28.70	0.00	187	200.01	0.00
28.80	0.00	187	200.01	0.00
28.90	0.00	187	200.01	0.00
29.00	0.00	187	200.01	0.00
29.10	0.00	187	200.01	0.00
29.20	0.00	187	200.01	0.00
29.30	0.00	187	200.01	0.00
29.40	0.00	187	200.01	0.00
29.50	0.00	187	200.01	0.00
29.60	0.00	187	200.01	0.00
29.70	0.00	187	200.01	0.00
29.80	0.00	187	200.01	0.00
29.90	0.00	187	200.01	0.00
30.00	0.00	187	200.01	0.00
30.10	0.00	187	200.01	0.00
30.20	0.00	187	200.01	0.00
30.30	0.00	187	200.01	0.00
30.40	0.00	187	200.01	0.00
30.50	0.00	187	200.01	0.00
30.60	0.00	187	200.01	0.00
30.70	0.00	187	200.01	0.00
30.80	0.00	187	200.01	0.00
30.90	0.00	187	200.01	0.00
31.00	0.00	187	200.01	0.00
31.10	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	187	200.01	0.00
31.30	0.00	187	200.01	0.00
31.40	0.00	187	200.01	0.00
31.50	0.00	187	200.01	0.00
31.60	0.00	187	200.01	0.00
31.70	0.00	187	200.01	0.00
31.80	0.00	187	200.01	0.00
31.90	0.00	187	200.01	0.00
32.00	0.00	187	200.01	0.00
32.10	0.00	187	200.01	0.00
32.20	0.00	187	200.01	0.00
32.30	0.00	187	200.01	0.00
32.40	0.00	187	200.01	0.00
32.50	0.00	187	200.01	0.00
32.60	0.00	187	200.01	0.00
32.70	0.00	187	200.01	0.00
32.80	0.00	187	200.01	0.00
32.90	0.00	187	200.01	0.00
33.00	0.00	187	200.01	0.00
33.10	0.00	187	200.01	0.00
33.20	0.00	187	200.01	0.00
33.30	0.00	187	200.01	0.00
33.40	0.00	187	200.01	0.00
33.50	0.00	187	200.01	0.00
33.60	0.00	187	200.01	0.00
33.70	0.00	187	200.01	0.00
33.80	0.00	187	200.01	0.00
33.90	0.00	187	200.01	0.00
34.00	0.00	187	200.01	0.00
34.10	0.00	187	200.01	0.00
34.20	0.00	187	200.01	0.00
34.30	0.00	187	200.01	0.00
34.40	0.00	187	200.01	0.00
34.50	0.00	187	200.01	0.00
34.60	0.00	187	200.01	0.00
34.70	0.00	187	200.01	0.00
34.80	0.00	187	200.01	0.00
34.90	0.00	187	200.01	0.00
35.00	0.00	187	200.01	0.00
35.10	0.00	187	200.01	0.00
35.20	0.00	187	200.01	0.00
35.30	0.00	187	200.01	0.00
35.40	0.00	187	200.01	0.00
35.50	0.00	187	200.01	0.00
35.60	0.00	187	200.01	0.00
35.70	0.00	187	200.01	0.00
35.80	0.00	187	200.01	0.00
35.90	0.00	187	200.01	0.00
36.00	0.00	187	200.01	0.00
36.10	0.00	187	200.01	0.00
36.20	0.00	187	200.01	0.00
36.30	0.00	187	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	187	200.01	0.00
36.50	0.00	187	200.01	0.00
36.60	0.00	187	200.01	0.00
36.70	0.00	187	200.01	0.00
36.80	0.00	187	200.01	0.00
36.90	0.00	187	200.01	0.00
37.00	0.00	187	200.01	0.00
37.10	0.00	187	200.01	0.00
37.20	0.00	187	200.01	0.00
37.30	0.00	187	200.01	0.00
37.40	0.00	187	200.01	0.00
37.50	0.00	187	200.01	0.00
37.60	0.00	187	200.01	0.00
37.70	0.00	187	200.01	0.00
37.80	0.00	187	200.01	0.00
37.90	0.00	187	200.01	0.00
38.00	0.00	187	200.01	0.00
38.10	0.00	187	200.01	0.00
38.20	0.00	187	200.01	0.00
38.30	0.00	187	200.01	0.00
38.40	0.00	187	200.01	0.00
38.50	0.00	187	200.01	0.00
38.60	0.00	187	200.01	0.00
38.70	0.00	187	200.01	0.00
38.80	0.00	187	200.01	0.00
38.90	0.00	187	200.01	0.00
39.00	0.00	187	200.01	0.00
39.10	0.00	187	200.01	0.00
39.20	0.00	187	200.01	0.00
39.30	0.00	187	200.01	0.00
39.40	0.00	187	200.01	0.00
39.50	0.00	187	200.01	0.00
39.60	0.00	187	200.01	0.00
39.70	0.00	187	200.01	0.00
39.80	0.00	187	200.01	0.00
39.90	0.00	187	200.01	0.00
40.00	0.00	**187**	**200.01**	0.00

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0	200.52	15,784	8,122
200.01	15,461	155	200.53	15,790	8,280
200.02	15,468	309	200.54	15,796	8,438
200.03	15,474	464	200.55	15,803	8,596
200.04	15,480	619	200.56	15,809	8,754
200.05	15,487	774	200.57	15,815	8,912
200.06	15,493	928	200.58	15,822	9,070
200.07	15,499	1,083	200.59	15,828	9,228
200.08	15,506	1,238	200.60	15,834	9,387
200.09	15,512	1,394	200.61	15,841	9,545
200.10	15,518	1,549	200.62	15,847	9,704
200.11	15,525	1,704	200.63	15,853	9,862
200.12	15,531	1,859	200.64	15,859	10,021
200.13	15,537	2,014	200.65	15,866	10,179
200.14	15,543	2,170	200.66	15,872	10,338
200.15	15,550	2,325	200.67	15,878	10,497
200.16	15,556	2,481	200.68	15,885	10,656
200.17	15,562	2,636	200.69	15,891	10,814
200.18	15,569	2,792	200.70	15,897	10,973
200.19	15,575	2,948	200.71	15,904	11,132
200.20	15,581	3,104	200.72	15,910	11,291
200.21	15,588	3,259	200.73	15,916	11,451
200.22	15,594	3,415	200.74	15,923	11,610
200.23	15,600	3,571	200.75	15,929	11,769
200.24	15,607	3,727	200.76	15,935	11,928
200.25	15,613	3,884	200.77	15,942	12,088
200.26	15,619	4,040	200.78	15,948	12,247
200.27	15,626	4,196	200.79	15,954	12,407
200.28	15,632	4,352	200.80	15,961	12,566
200.29	15,638	4,509	200.81	15,967	12,726
200.30	15,645	4,665	200.82	15,973	12,886
200.31	15,651	4,821	200.83	15,980	13,045
200.32	15,657	4,978	200.84	15,986	13,205
200.33	15,664	5,135	200.85	15,992	13,365
200.34	15,670	5,291	200.86	15,999	13,525
200.35	15,676	5,448	200.87	16,005	13,685
200.36	15,683	5,605	200.88	16,011	13,845
200.37	15,689	5,762	200.89	16,017	14,005
200.38	15,695	5,919	200.90	16,024	14,165
200.39	15,701	6,076	200.91	16,030	14,326
200.40	15,708	6,233	200.92	16,036	14,486
200.41	15,714	6,390	200.93	16,043	14,646
200.42	15,720	6,547	200.94	16,049	14,807
200.43	15,727	6,704	200.95	16,055	14,967
200.44	15,733	6,861	200.96	16,062	15,128
200.45	15,739	7,019	200.97	16,068	15,289
200.46	15,746	7,176	200.98	16,074	15,449
200.47	15,752	7,334	200.99	16,081	15,610
200.48	15,758	7,491	201.00	16,087	15,771
200.49	15,765	7,649	201.01	16,094	15,932
200.50	15,771	7,807	201.02	16,101	16,093
200.51	15,777	7,964	201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415	201.56	16,472	24,888
201.05	16,121	16,576	201.57	16,479	25,052
201.06	16,128	16,737	201.58	16,486	25,217
201.07	16,135	16,899	201.59	16,493	25,382
201.08	16,142	17,060	201.60	16,500	25,547
201.09	16,149	17,222	201.61	16,507	25,712
201.10	16,156	17,383	201.62	16,514	25,877
201.11	16,163	17,545	201.63	16,520	26,042
201.12	16,170	17,706	201.64	16,527	26,208
201.13	16,176	17,868	201.65	16,534	26,373
201.14	16,183	18,030	201.66	16,541	26,538
201.15	16,190	18,192	201.67	16,548	26,704
201.16	16,197	18,354	201.68	16,555	26,869
201.17	16,204	18,516	201.69	16,562	27,035
201.18	16,211	18,678	201.70	16,569	27,200
201.19	16,218	18,840	201.71	16,575	27,366
201.20	16,225	19,002	201.72	16,582	27,532
201.21	16,231	19,164	201.73	16,589	27,698
201.22	16,238	19,327	201.74	16,596	27,864
201.23	16,245	19,489	201.75	16,603	28,030
201.24	16,252	19,652	201.76	16,610	28,196
201.25	16,259	19,814	201.77	16,617	28,362
201.26	16,266	19,977	201.78	16,624	28,528
201.27	16,273	20,140	201.79	16,631	28,694
201.28	16,280	20,302	201.80	16,637	28,861
201.29	16,287	20,465	201.81	16,644	29,027
201.30	16,293	20,628	201.82	16,651	29,194
201.31	16,300	20,791	201.83	16,658	29,360
201.32	16,307	20,954	201.84	16,665	29,527
201.33	16,314	21,117	201.85	16,672	29,693
201.34	16,321	21,280	201.86	16,679	29,860
201.35	16,328	21,444	201.87	16,686	30,027
201.36	16,335	21,607	201.88	16,692	30,194
201.37	16,342	21,770	201.89	16,699	30,361
201.38	16,348	21,934	201.90	16,706	30,528
201.39	16,355	22,097	201.91	16,713	30,695
201.40	16,362	22,261	201.92	16,720	30,862
201.41	16,369	22,424	201.93	16,727	31,029
201.42	16,376	22,588	201.94	16,734	31,197
201.43	16,383	22,752	201.95	16,741	31,364
201.44	16,390	22,916	201.96	16,747	31,532
201.45	16,397	23,080	201.97	16,754	31,699
201.46	16,403	23,244	201.98	16,761	31,867
201.47	16,410	23,408	201.99	16,768	32,034
201.48	16,417	23,572	202.00	16,775	32,202
201.49	16,424	23,736	202.01	16,782	32,370
201.50	16,431	23,901	202.02	16,789	32,538
201.51	16,438	24,065	202.03	16,796	32,706
201.52	16,445	24,229	202.04	16,803	32,874
201.53	16,452	24,394	202.05	16,810	33,042
201.54	16,459	24,558	202.06	16,817	33,210
201.55	16,465	24,723	202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427
203.13	17,562	51,602
203.14	17,569	51,778
203.15	17,576	51,953
203.16	17,583	52,129
203.17	17,589	52,305
203.18	17,596	52,481
203.19	17,603	52,657
203.20	17,610	52,833
203.21	17,617	53,009
203.22	17,624	53,185
203.23	17,631	53,362
203.24	17,638	53,538
203.25	17,645	53,715
203.26	17,652	53,891
203.27	17,659	54,068
203.28	17,666	54,244
203.29	17,673	54,421
203.30	17,680	54,598
203.31	17,687	54,775
203.32	17,694	54,951
203.33	17,701	55,128
203.34	17,708	55,305
203.35	17,715	55,483
203.36	17,722	55,660
203.37	17,729	55,837
203.38	17,736	56,014
203.39	17,743	56,192
203.40	17,750	56,369
203.41	17,757	56,547
203.42	17,764	56,724
203.43	17,771	56,902
203.44	17,778	57,080
203.45	17,785	57,258
203.46	17,792	57,435
203.47	17,799	57,613
203.48	17,806	57,791
203.49	17,813	57,969
203.50	17,820	58,148
203.51	17,826	58,326
203.52	17,833	58,504
203.53	17,840	58,683
203.54	17,847	58,861
203.55	17,854	59,039
203.56	17,861	59,218
203.57	17,868	59,397
203.58	17,875	59,575
203.59	17,882	59,754
203.60	17,889	59,933
203.61	17,896	60,112
203.62	17,903	60,291
203.63	17,910	60,470
203.64	17,917	60,649
203.65	17,924	60,828
203.66	17,931	61,008
203.67	17,938	61,187
203.68	17,945	61,366
203.69	17,952	61,546
203.70	17,959	61,725
203.71	17,966	61,905
203.72	17,973	62,085
203.73	17,980	62,265
203.74	17,987	62,444
203.75	17,994	62,624
203.76	18,001	62,804
203.77	18,008	62,984
203.78	18,015	63,164
203.79	18,022	63,345
203.80	18,029	63,525
203.81	18,036	63,705
203.82	18,043	63,886
203.83	18,050	64,066
203.84	18,056	64,247
203.85	18,063	64,427
203.86	18,070	64,608
203.87	18,077	64,789
203.88	18,084	64,969
203.89	18,091	65,150
203.90	18,098	65,331
203.91	18,105	65,512
203.92	18,112	65,693
203.93	18,119	65,874
203.94	18,126	66,056
203.95	18,133	66,237
203.96	18,140	66,418
203.97	18,147	66,600
203.98	18,154	66,781
203.99	18,161	66,963
204.00	18,168	67,145
204.01	18,178	67,326
204.02	18,188	67,508
204.03	18,197	67,690
204.04	18,207	67,872
204.05	18,217	68,054
204.06	18,227	68,236
204.07	18,236	68,419
204.08	18,246	68,601
204.09	18,256	68,784
204.10	18,266	68,966
204.11	18,275	69,149
204.12	18,285	69,332
204.13	18,295	69,515
204.14	18,305	69,698
204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064	204.68	18,832	79,725
204.17	18,334	70,247	204.69	18,842	79,913
204.18	18,344	70,431	204.70	18,852	80,101
204.19	18,354	70,614	204.71	18,862	80,290
204.20	18,363	70,798	204.72	18,871	80,479
204.21	18,373	70,981	204.73	18,881	80,667
204.22	18,383	71,165	204.74	18,891	80,856
204.23	18,393	71,349	204.75	18,901	81,045
204.24	18,402	71,533	204.76	18,911	81,234
204.25	18,412	71,717	204.77	18,920	81,423
204.26	18,422	71,901	204.78	18,930	81,613
204.27	18,432	72,085	204.79	18,940	81,802
204.28	18,442	72,270	204.80	18,950	81,992
204.29	18,451	72,454	204.81	18,959	82,181
204.30	18,461	72,639	204.82	18,969	82,371
204.31	18,471	72,824	204.83	18,979	82,560
204.32	18,481	73,008	204.84	18,989	82,750
204.33	18,490	73,193	204.85	18,998	82,940
204.34	18,500	73,378	204.86	19,008	83,130
204.35	18,510	73,563	204.87	19,018	83,320
204.36	18,520	73,748	204.88	19,028	83,511
204.37	18,529	73,934	204.89	19,038	83,701
204.38	18,539	74,119	204.90	19,047	83,891
204.39	18,549	74,304	204.91	19,057	84,082
204.40	18,559	74,490	204.92	19,067	84,273
204.41	18,569	74,675	204.93	19,077	84,463
204.42	18,578	74,861	204.94	19,086	84,654
204.43	18,588	75,047	204.95	19,096	84,845
204.44	18,598	75,233	204.96	19,106	85,036
204.45	18,608	75,419	204.97	19,116	85,227
204.46	18,617	75,605	204.98	19,125	85,418
204.47	18,627	75,791	204.99	19,135	85,610
204.48	18,637	75,978	205.00	19,145	85,801
204.49	18,647	76,164	205.01	19,155	85,992
204.50	18,657	76,351	205.02	19,164	86,184
204.51	18,666	76,537	205.03	19,174	86,376
204.52	18,676	76,724	205.04	19,183	86,568
204.53	18,686	76,911	205.05	19,193	86,759
204.54	18,696	77,098	205.06	19,202	86,951
204.55	18,705	77,285	205.07	19,212	87,143
204.56	18,715	77,472	205.08	19,222	87,336
204.57	18,725	77,659	205.09	19,231	87,528
204.58	18,735	77,846	205.10	19,241	87,720
204.59	18,744	78,034	205.11	19,250	87,913
204.60	18,754	78,221	205.12	19,260	88,105
204.61	18,764	78,409	205.13	19,270	88,298
204.62	18,774	78,596	205.14	19,279	88,491
204.63	18,784	78,784	205.15	19,289	88,684
204.64	18,793	78,972	205.16	19,298	88,876
204.65	18,803	79,160	205.17	19,308	89,069
204.66	18,813	79,348	205.18	19,317	89,263
204.67	18,823	79,536	205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 0.63" for WQ Storm event
Inflow = 2.14 cfs @ 1.04 hrs, Volume= 0.063 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.49' @ 2.15 hrs Surf.Area= 5,720 sf Storage= 2,739 cf

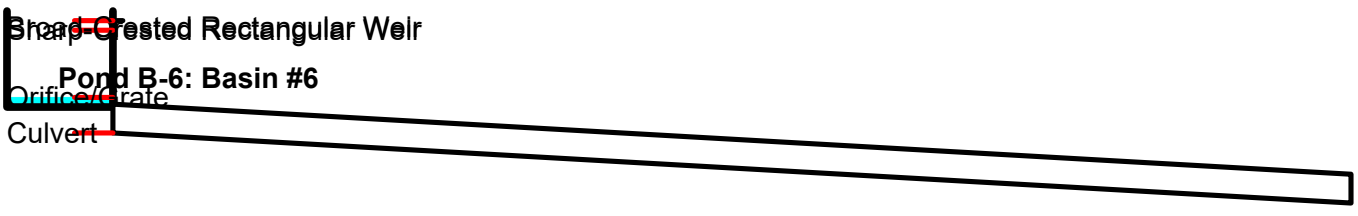
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

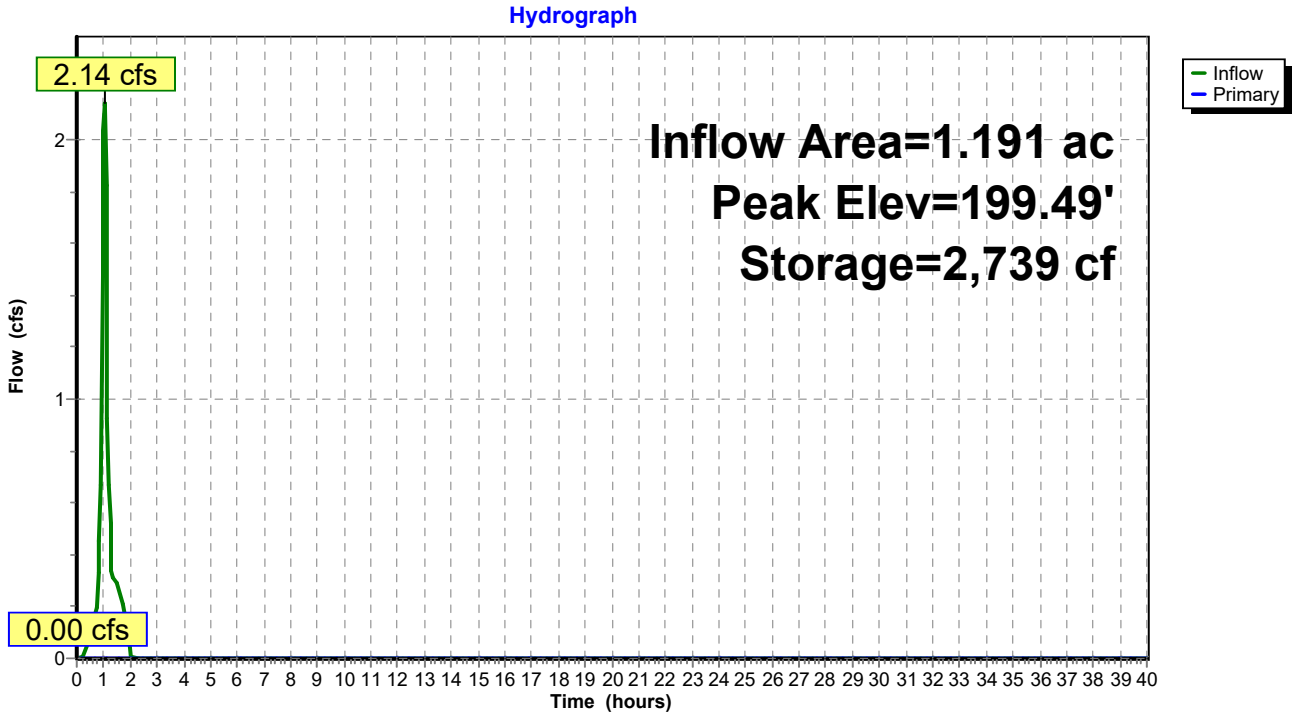
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=199.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 6.19 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	**0.00**
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.04	6	199.00	0.00
0.50	0.08	26	199.00	0.00
0.60	0.14	67	199.01	0.00
0.70	0.18	124	199.02	0.00
0.80	0.33	205	199.04	0.00
0.90	0.67	377	199.07	0.00
1.00	**2.04**	887	199.16	0.00
1.10	**1.82**	1,618	199.29	0.00
1.20	0.67	2,009	199.36	0.00
1.30	0.34	2,194	199.40	0.00
1.40	0.31	2,308	199.42	0.00
1.50	0.31	2,419	199.44	0.00
1.60	0.24	2,513	199.45	0.00
1.70	0.24	2,599	199.47	0.00
1.80	0.10	2,671	199.48	0.00
1.90	0.08	2,702	199.49	0.00
2.00	0.08	2,731	199.49	0.00
2.10	0.00	**2,739**	**199.49**	0.00
2.20	0.00	**2,739**	**199.49**	0.00
2.30	0.00	2,739	199.49	0.00
2.40	0.00	2,739	199.49	0.00
2.50	0.00	2,739	199.49	0.00
2.60	0.00	2,739	199.49	0.00
2.70	0.00	2,739	199.49	0.00
2.80	0.00	2,739	199.49	0.00
2.90	0.00	2,739	199.49	0.00
3.00	0.00	2,739	199.49	0.00
3.10	0.00	2,739	199.49	0.00
3.20	0.00	2,739	199.49	0.00
3.30	0.00	2,739	199.49	0.00
3.40	0.00	2,739	199.49	0.00
3.50	0.00	2,739	199.49	0.00
3.60	0.00	2,739	199.49	0.00
3.70	0.00	2,739	199.49	0.00
3.80	0.00	2,739	199.49	0.00
3.90	0.00	2,739	199.49	0.00
4.00	0.00	2,739	199.49	0.00
4.10	0.00	2,739	199.49	0.00
4.20	0.00	2,739	199.49	0.00
4.30	0.00	2,739	199.49	0.00
4.40	0.00	2,739	199.49	0.00
4.50	0.00	2,739	199.49	0.00
4.60	0.00	2,739	199.49	0.00
4.70	0.00	2,739	199.49	0.00
4.80	0.00	2,739	199.49	0.00
4.90	0.00	2,739	199.49	0.00
5.00	0.00	2,739	199.49	0.00
5.10	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,739	199.49	0.00
5.30	0.00	2,739	199.49	0.00
5.40	0.00	2,739	199.49	0.00
5.50	0.00	2,739	199.49	0.00
5.60	0.00	2,739	199.49	0.00
5.70	0.00	2,739	199.49	0.00
5.80	0.00	2,739	199.49	0.00
5.90	0.00	2,739	199.49	0.00
6.00	0.00	2,739	199.49	0.00
6.10	0.00	2,739	199.49	0.00
6.20	0.00	2,739	199.49	0.00
6.30	0.00	2,739	199.49	0.00
6.40	0.00	2,739	199.49	0.00
6.50	0.00	2,739	199.49	0.00
6.60	0.00	2,739	199.49	0.00
6.70	0.00	2,739	199.49	0.00
6.80	0.00	2,739	199.49	0.00
6.90	0.00	2,739	199.49	0.00
7.00	0.00	2,739	199.49	0.00
7.10	0.00	2,739	199.49	0.00
7.20	0.00	2,739	199.49	0.00
7.30	0.00	2,739	199.49	0.00
7.40	0.00	2,739	199.49	0.00
7.50	0.00	2,739	199.49	0.00
7.60	0.00	2,739	199.49	0.00
7.70	0.00	2,739	199.49	0.00
7.80	0.00	2,739	199.49	0.00
7.90	0.00	2,739	199.49	0.00
8.00	0.00	2,739	199.49	0.00
8.10	0.00	2,739	199.49	0.00
8.20	0.00	2,739	199.49	0.00
8.30	0.00	2,739	199.49	0.00
8.40	0.00	2,739	199.49	0.00
8.50	0.00	2,739	199.49	0.00
8.60	0.00	2,739	199.49	0.00
8.70	0.00	2,739	199.49	0.00
8.80	0.00	2,739	199.49	0.00
8.90	0.00	2,739	199.49	0.00
9.00	0.00	2,739	199.49	0.00
9.10	0.00	2,739	199.49	0.00
9.20	0.00	2,739	199.49	0.00
9.30	0.00	2,739	199.49	0.00
9.40	0.00	2,739	199.49	0.00
9.50	0.00	2,739	199.49	0.00
9.60	0.00	2,739	199.49	0.00
9.70	0.00	2,739	199.49	0.00
9.80	0.00	2,739	199.49	0.00
9.90	0.00	2,739	199.49	0.00
10.00	0.00	2,739	199.49	0.00
10.10	0.00	2,739	199.49	0.00
10.20	0.00	2,739	199.49	0.00
10.30	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,739	199.49	0.00
10.50	0.00	2,739	199.49	0.00
10.60	0.00	2,739	199.49	0.00
10.70	0.00	2,739	199.49	0.00
10.80	0.00	2,739	199.49	0.00
10.90	0.00	2,739	199.49	0.00
11.00	0.00	2,739	199.49	0.00
11.10	0.00	2,739	199.49	0.00
11.20	0.00	2,739	199.49	0.00
11.30	0.00	2,739	199.49	0.00
11.40	0.00	2,739	199.49	0.00
11.50	0.00	2,739	199.49	0.00
11.60	0.00	2,739	199.49	0.00
11.70	0.00	2,739	199.49	0.00
11.80	0.00	2,739	199.49	0.00
11.90	0.00	2,739	199.49	0.00
12.00	0.00	2,739	199.49	0.00
12.10	0.00	2,739	199.49	0.00
12.20	0.00	2,739	199.49	0.00
12.30	0.00	2,739	199.49	0.00
12.40	0.00	2,739	199.49	0.00
12.50	0.00	2,739	199.49	0.00
12.60	0.00	2,739	199.49	0.00
12.70	0.00	2,739	199.49	0.00
12.80	0.00	2,739	199.49	0.00
12.90	0.00	2,739	199.49	0.00
13.00	0.00	2,739	199.49	0.00
13.10	0.00	2,739	199.49	0.00
13.20	0.00	2,739	199.49	0.00
13.30	0.00	2,739	199.49	0.00
13.40	0.00	2,739	199.49	0.00
13.50	0.00	2,739	199.49	0.00
13.60	0.00	2,739	199.49	0.00
13.70	0.00	2,739	199.49	0.00
13.80	0.00	2,739	199.49	0.00
13.90	0.00	2,739	199.49	0.00
14.00	0.00	2,739	199.49	0.00
14.10	0.00	2,739	199.49	0.00
14.20	0.00	2,739	199.49	0.00
14.30	0.00	2,739	199.49	0.00
14.40	0.00	2,739	199.49	0.00
14.50	0.00	2,739	199.49	0.00
14.60	0.00	2,739	199.49	0.00
14.70	0.00	2,739	199.49	0.00
14.80	0.00	2,739	199.49	0.00
14.90	0.00	2,739	199.49	0.00
15.00	0.00	2,739	199.49	0.00
15.10	0.00	2,739	199.49	0.00
15.20	0.00	2,739	199.49	0.00
15.30	0.00	2,739	199.49	0.00
15.40	0.00	2,739	199.49	0.00
15.50	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,739	199.49	0.00
15.70	0.00	2,739	199.49	0.00
15.80	0.00	2,739	199.49	0.00
15.90	0.00	2,739	199.49	0.00
16.00	0.00	2,739	199.49	0.00
16.10	0.00	2,739	199.49	0.00
16.20	0.00	2,739	199.49	0.00
16.30	0.00	2,739	199.49	0.00
16.40	0.00	2,739	199.49	0.00
16.50	0.00	2,739	199.49	0.00
16.60	0.00	2,739	199.49	0.00
16.70	0.00	2,739	199.49	0.00
16.80	0.00	2,739	199.49	0.00
16.90	0.00	2,739	199.49	0.00
17.00	0.00	2,739	199.49	0.00
17.10	0.00	2,739	199.49	0.00
17.20	0.00	2,739	199.49	0.00
17.30	0.00	2,739	199.49	0.00
17.40	0.00	2,739	199.49	0.00
17.50	0.00	2,739	199.49	0.00
17.60	0.00	2,739	199.49	0.00
17.70	0.00	2,739	199.49	0.00
17.80	0.00	2,739	199.49	0.00
17.90	0.00	2,739	199.49	0.00
18.00	0.00	2,739	199.49	0.00
18.10	0.00	2,739	199.49	0.00
18.20	0.00	2,739	199.49	0.00
18.30	0.00	2,739	199.49	0.00
18.40	0.00	2,739	199.49	0.00
18.50	0.00	2,739	199.49	0.00
18.60	0.00	2,739	199.49	0.00
18.70	0.00	2,739	199.49	0.00
18.80	0.00	2,739	199.49	0.00
18.90	0.00	2,739	199.49	0.00
19.00	0.00	2,739	199.49	0.00
19.10	0.00	2,739	199.49	0.00
19.20	0.00	2,739	199.49	0.00
19.30	0.00	2,739	199.49	0.00
19.40	0.00	2,739	199.49	0.00
19.50	0.00	2,739	199.49	0.00
19.60	0.00	2,739	199.49	0.00
19.70	0.00	2,739	199.49	0.00
19.80	0.00	2,739	199.49	0.00
19.90	0.00	2,739	199.49	0.00
20.00	0.00	2,739	199.49	0.00
20.10	0.00	2,739	199.49	0.00
20.20	0.00	2,739	199.49	0.00
20.30	0.00	2,739	199.49	0.00
20.40	0.00	2,739	199.49	0.00
20.50	0.00	2,739	199.49	0.00
20.60	0.00	2,739	199.49	0.00
20.70	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,739	199.49	0.00
20.90	0.00	2,739	199.49	0.00
21.00	0.00	2,739	199.49	0.00
21.10	0.00	2,739	199.49	0.00
21.20	0.00	2,739	199.49	0.00
21.30	0.00	2,739	199.49	0.00
21.40	0.00	2,739	199.49	0.00
21.50	0.00	2,739	199.49	0.00
21.60	0.00	2,739	199.49	0.00
21.70	0.00	2,739	199.49	0.00
21.80	0.00	2,739	199.49	0.00
21.90	0.00	2,739	199.49	0.00
22.00	0.00	2,739	199.49	0.00
22.10	0.00	2,739	199.49	0.00
22.20	0.00	2,739	199.49	0.00
22.30	0.00	2,739	199.49	0.00
22.40	0.00	2,739	199.49	0.00
22.50	0.00	2,739	199.49	0.00
22.60	0.00	2,739	199.49	0.00
22.70	0.00	2,739	199.49	0.00
22.80	0.00	2,739	199.49	0.00
22.90	0.00	2,739	199.49	0.00
23.00	0.00	2,739	199.49	0.00
23.10	0.00	2,739	199.49	0.00
23.20	0.00	2,739	199.49	0.00
23.30	0.00	2,739	199.49	0.00
23.40	0.00	2,739	199.49	0.00
23.50	0.00	2,739	199.49	0.00
23.60	0.00	2,739	199.49	0.00
23.70	0.00	2,739	199.49	0.00
23.80	0.00	2,739	199.49	0.00
23.90	0.00	2,739	199.49	0.00
24.00	0.00	2,739	199.49	0.00
24.10	0.00	2,739	199.49	0.00
24.20	0.00	2,739	199.49	0.00
24.30	0.00	2,739	199.49	0.00
24.40	0.00	2,739	199.49	0.00
24.50	0.00	2,739	199.49	0.00
24.60	0.00	2,739	199.49	0.00
24.70	0.00	2,739	199.49	0.00
24.80	0.00	2,739	199.49	0.00
24.90	0.00	2,739	199.49	0.00
25.00	0.00	2,739	199.49	0.00
25.10	0.00	2,739	199.49	0.00
25.20	0.00	2,739	199.49	0.00
25.30	0.00	2,739	199.49	0.00
25.40	0.00	2,739	199.49	0.00
25.50	0.00	2,739	199.49	0.00
25.60	0.00	2,739	199.49	0.00
25.70	0.00	2,739	199.49	0.00
25.80	0.00	2,739	199.49	0.00
25.90	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,739	199.49	0.00
26.10	0.00	2,739	199.49	0.00
26.20	0.00	2,739	199.49	0.00
26.30	0.00	2,739	199.49	0.00
26.40	0.00	2,739	199.49	0.00
26.50	0.00	2,739	199.49	0.00
26.60	0.00	2,739	199.49	0.00
26.70	0.00	2,739	199.49	0.00
26.80	0.00	2,739	199.49	0.00
26.90	0.00	2,739	199.49	0.00
27.00	0.00	2,739	199.49	0.00
27.10	0.00	2,739	199.49	0.00
27.20	0.00	2,739	199.49	0.00
27.30	0.00	2,739	199.49	0.00
27.40	0.00	2,739	199.49	0.00
27.50	0.00	2,739	199.49	0.00
27.60	0.00	2,739	199.49	0.00
27.70	0.00	2,739	199.49	0.00
27.80	0.00	2,739	199.49	0.00
27.90	0.00	2,739	199.49	0.00
28.00	0.00	2,739	199.49	0.00
28.10	0.00	2,739	199.49	0.00
28.20	0.00	2,739	199.49	0.00
28.30	0.00	2,739	199.49	0.00
28.40	0.00	2,739	199.49	0.00
28.50	0.00	2,739	199.49	0.00
28.60	0.00	2,739	199.49	0.00
28.70	0.00	2,739	199.49	0.00
28.80	0.00	2,739	199.49	0.00
28.90	0.00	2,739	199.49	0.00
29.00	0.00	2,739	199.49	0.00
29.10	0.00	2,739	199.49	0.00
29.20	0.00	2,739	199.49	0.00
29.30	0.00	2,739	199.49	0.00
29.40	0.00	2,739	199.49	0.00
29.50	0.00	2,739	199.49	0.00
29.60	0.00	2,739	199.49	0.00
29.70	0.00	2,739	199.49	0.00
29.80	0.00	2,739	199.49	0.00
29.90	0.00	2,739	199.49	0.00
30.00	0.00	2,739	199.49	0.00
30.10	0.00	2,739	199.49	0.00
30.20	0.00	2,739	199.49	0.00
30.30	0.00	2,739	199.49	0.00
30.40	0.00	2,739	199.49	0.00
30.50	0.00	2,739	199.49	0.00
30.60	0.00	2,739	199.49	0.00
30.70	0.00	2,739	199.49	0.00
30.80	0.00	2,739	199.49	0.00
30.90	0.00	2,739	199.49	0.00
31.00	0.00	2,739	199.49	0.00
31.10	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,739	199.49	0.00
31.30	0.00	2,739	199.49	0.00
31.40	0.00	2,739	199.49	0.00
31.50	0.00	2,739	199.49	0.00
31.60	0.00	2,739	199.49	0.00
31.70	0.00	2,739	199.49	0.00
31.80	0.00	2,739	199.49	0.00
31.90	0.00	2,739	199.49	0.00
32.00	0.00	2,739	199.49	0.00
32.10	0.00	2,739	199.49	0.00
32.20	0.00	2,739	199.49	0.00
32.30	0.00	2,739	199.49	0.00
32.40	0.00	2,739	199.49	0.00
32.50	0.00	2,739	199.49	0.00
32.60	0.00	2,739	199.49	0.00
32.70	0.00	2,739	199.49	0.00
32.80	0.00	2,739	199.49	0.00
32.90	0.00	2,739	199.49	0.00
33.00	0.00	2,739	199.49	0.00
33.10	0.00	2,739	199.49	0.00
33.20	0.00	2,739	199.49	0.00
33.30	0.00	2,739	199.49	0.00
33.40	0.00	2,739	199.49	0.00
33.50	0.00	2,739	199.49	0.00
33.60	0.00	2,739	199.49	0.00
33.70	0.00	2,739	199.49	0.00
33.80	0.00	2,739	199.49	0.00
33.90	0.00	2,739	199.49	0.00
34.00	0.00	2,739	199.49	0.00
34.10	0.00	2,739	199.49	0.00
34.20	0.00	2,739	199.49	0.00
34.30	0.00	2,739	199.49	0.00
34.40	0.00	2,739	199.49	0.00
34.50	0.00	2,739	199.49	0.00
34.60	0.00	2,739	199.49	0.00
34.70	0.00	2,739	199.49	0.00
34.80	0.00	2,739	199.49	0.00
34.90	0.00	2,739	199.49	0.00
35.00	0.00	2,739	199.49	0.00
35.10	0.00	2,739	199.49	0.00
35.20	0.00	2,739	199.49	0.00
35.30	0.00	2,739	199.49	0.00
35.40	0.00	2,739	199.49	0.00
35.50	0.00	2,739	199.49	0.00
35.60	0.00	2,739	199.49	0.00
35.70	0.00	2,739	199.49	0.00
35.80	0.00	2,739	199.49	0.00
35.90	0.00	2,739	199.49	0.00
36.00	0.00	2,739	199.49	0.00
36.10	0.00	2,739	199.49	0.00
36.20	0.00	2,739	199.49	0.00
36.30	0.00	2,739	199.49	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,739	199.49	0.00
36.50	0.00	2,739	199.49	0.00
36.60	0.00	2,739	199.49	0.00
36.70	0.00	2,739	199.49	0.00
36.80	0.00	2,739	199.49	0.00
36.90	0.00	2,739	199.49	0.00
37.00	0.00	2,739	199.49	0.00
37.10	0.00	2,739	199.49	0.00
37.20	0.00	2,739	199.49	0.00
37.30	0.00	2,739	199.49	0.00
37.40	0.00	2,739	199.49	0.00
37.50	0.00	2,739	199.49	0.00
37.60	0.00	2,739	199.49	0.00
37.70	0.00	2,739	199.49	0.00
37.80	0.00	2,739	199.49	0.00
37.90	0.00	2,739	199.49	0.00
38.00	0.00	2,739	199.49	0.00
38.10	0.00	2,739	199.49	0.00
38.20	0.00	2,739	199.49	0.00
38.30	0.00	2,739	199.49	0.00
38.40	0.00	2,739	199.49	0.00
38.50	0.00	2,739	199.49	0.00
38.60	0.00	2,739	199.49	0.00
38.70	0.00	2,739	199.49	0.00
38.80	0.00	2,739	199.49	0.00
38.90	0.00	2,739	199.49	0.00
39.00	0.00	2,739	199.49	0.00
39.10	0.00	2,739	199.49	0.00
39.20	0.00	2,739	199.49	0.00
39.30	0.00	2,739	199.49	0.00
39.40	0.00	2,739	199.49	0.00
39.50	0.00	2,739	199.49	0.00
39.60	0.00	2,739	199.49	0.00
39.70	0.00	2,739	199.49	0.00
39.80	0.00	2,739	199.49	0.00
39.90	0.00	2,739	199.49	0.00
40.00	0.00	2,739	199.49	0.00

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678
201.09	6,827	12,746
201.10	6,834	12,815
201.11	6,841	12,883
201.12	6,848	12,952
201.13	6,856	13,020
201.14	6,863	13,089
201.15	6,870	13,157
201.16	6,878	13,226
201.17	6,885	13,295
201.18	6,892	13,364
201.19	6,900	13,433
201.20	6,907	13,502
201.21	6,914	13,571
201.22	6,921	13,640
201.23	6,929	13,709
201.24	6,936	13,779
201.25	6,943	13,848
201.26	6,951	13,918
201.27	6,958	13,987
201.28	6,965	14,057
201.29	6,972	14,126
201.30	6,980	14,196
201.31	6,987	14,266
201.32	6,994	14,336
201.33	7,002	14,406
201.34	7,009	14,476
201.35	7,016	14,546
201.36	7,023	14,616
201.37	7,031	14,686
201.38	7,038	14,757
201.39	7,045	14,827
201.40	7,053	14,898
201.41	7,060	14,968
201.42	7,067	15,039
201.43	7,074	15,110
201.44	7,082	15,180
201.45	7,089	15,251
201.46	7,096	15,322
201.47	7,104	15,393
201.48	7,111	15,464
201.49	7,118	15,535
201.50	7,126	15,607
201.51	7,133	15,678
201.52	7,140	15,749
201.53	7,147	15,821
201.54	7,155	15,892
201.55	7,162	15,964
201.56	7,169	16,035
201.57	7,177	16,107
201.58	7,184	16,179
201.59	7,191	16,251
201.60	7,198	16,323
201.61	7,206	16,395
201.62	7,213	16,467
201.63	7,220	16,539
201.64	7,228	16,611
201.65	7,235	16,684
201.66	7,242	16,756
201.67	7,249	16,828
201.68	7,257	16,901
201.69	7,264	16,974
201.70	7,271	17,046
201.71	7,279	17,119
201.72	7,286	17,192
201.73	7,293	17,265
201.74	7,300	17,338
201.75	7,308	17,411
201.76	7,315	17,484
201.77	7,322	17,557
201.78	7,330	17,630
201.79	7,337	17,704
201.80	7,344	17,777
201.81	7,351	17,851
201.82	7,359	17,924
201.83	7,366	17,998
201.84	7,373	18,071
201.85	7,381	18,145
201.86	7,388	18,219
201.87	7,395	18,293
201.88	7,403	18,367
201.89	7,410	18,441
201.90	7,417	18,515
201.91	7,424	18,589
201.92	7,432	18,664
201.93	7,439	18,738
201.94	7,446	18,812
201.95	7,454	18,887
201.96	7,461	18,961
201.97	7,468	19,036
201.98	7,475	19,111
201.99	7,483	19,186
202.00	7,490	19,261
202.01	7,498	19,335
202.02	7,505	19,410
202.03	7,513	19,486
202.04	7,520	19,561
202.05	7,528	19,636
202.06	7,535	19,711
202.07	7,543	19,787
202.08	7,551	19,862
202.09	7,558	19,938
202.10	7,566	20,013
202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 0.68" for WQ Storm event
Inflow = 3.11 cfs @ 1.03 hrs, Volume= 0.088 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 207.44' @ 2.10 hrs Surf.Area= 8,964 sf Storage= 3,847 cf

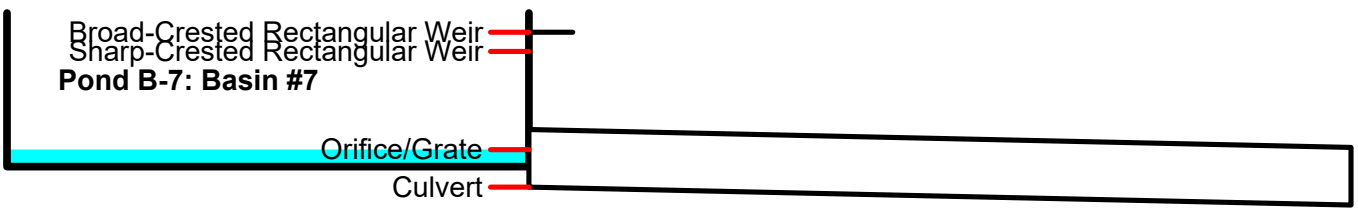
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

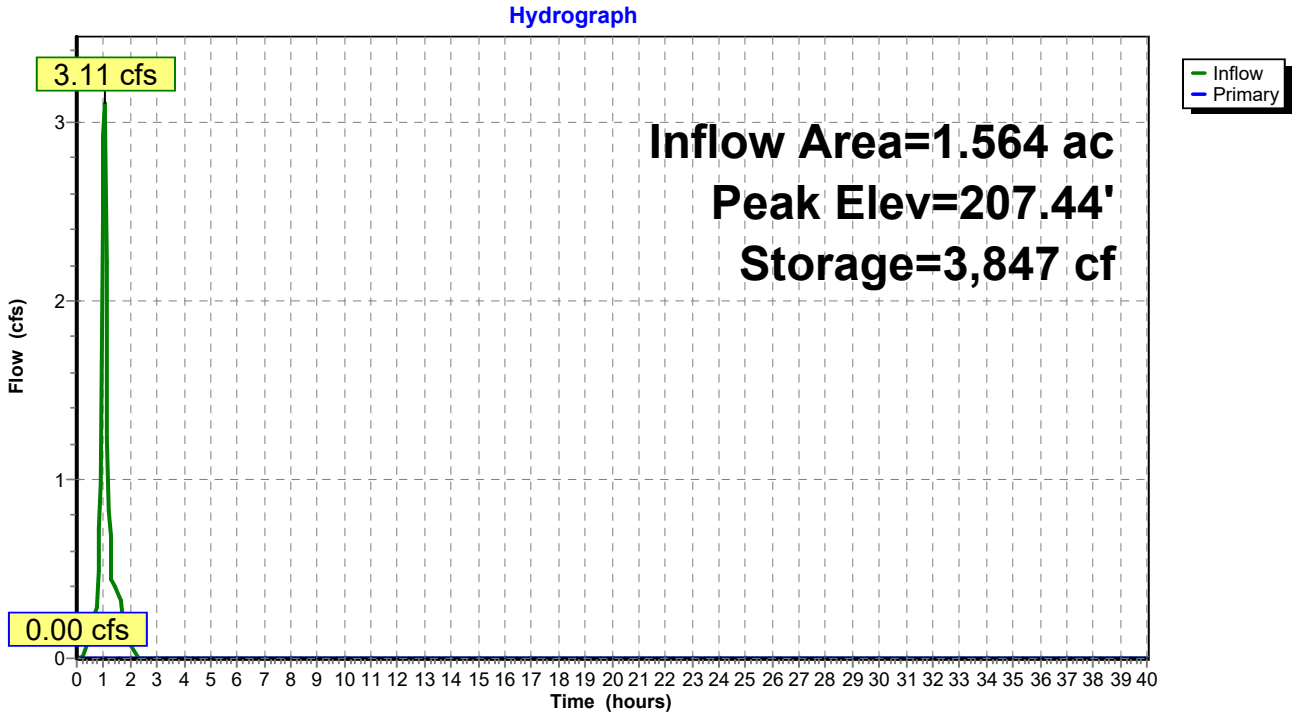
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=207.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 1.07 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	**0.00**
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.06	10	207.00	0.00
0.50	0.12	42	207.00	0.00
0.60	0.21	103	207.01	0.00
0.70	0.25	185	207.02	0.00
0.80	0.50	308	207.04	0.00
0.90	0.98	571	207.07	0.00
1.00	**2.92**	1,367	207.16	0.00
1.10	**2.21**	2,378	207.27	0.00
1.20	0.83	2,875	207.33	0.00
1.30	0.44	3,112	207.35	0.00
1.40	0.43	3,268	207.37	0.00
1.50	0.41	3,421	207.39	0.00
1.60	0.33	3,548	207.40	0.00
1.70	0.33	3,667	207.42	0.00
1.80	0.12	3,760	207.43	0.00
1.90	0.11	3,800	207.43	0.00
2.00	0.09	3,839	207.43	0.00
2.10	0.00	**3,847**	**207.44**	0.00
2.20	0.00	3,847	207.44	0.00
2.30	0.00	3,847	207.44	0.00
2.40	0.00	3,847	207.44	0.00
2.50	0.00	3,847	207.44	0.00
2.60	0.00	3,847	207.44	0.00
2.70	0.00	3,847	207.44	0.00
2.80	0.00	3,847	207.44	0.00
2.90	0.00	3,847	207.44	0.00
3.00	0.00	3,847	207.44	0.00
3.10	0.00	3,847	207.44	0.00
3.20	0.00	3,847	207.44	0.00
3.30	0.00	3,847	207.44	0.00
3.40	0.00	3,847	207.44	0.00
3.50	0.00	3,847	207.44	0.00
3.60	0.00	3,847	207.44	0.00
3.70	0.00	3,847	207.44	0.00
3.80	0.00	3,847	207.44	0.00
3.90	0.00	3,847	207.44	0.00
4.00	0.00	3,847	207.44	0.00
4.10	0.00	3,847	207.44	0.00
4.20	0.00	3,847	207.44	0.00
4.30	0.00	3,847	207.44	0.00
4.40	0.00	3,847	207.44	0.00
4.50	0.00	3,847	207.44	0.00
4.60	0.00	3,847	207.44	0.00
4.70	0.00	3,847	207.44	0.00
4.80	0.00	3,847	207.44	0.00
4.90	0.00	3,847	207.44	0.00
5.00	0.00	3,847	207.44	0.00
5.10	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,847	207.44	0.00
5.30	0.00	3,847	207.44	0.00
5.40	0.00	3,847	207.44	0.00
5.50	0.00	3,847	207.44	0.00
5.60	0.00	3,847	207.44	0.00
5.70	0.00	3,847	207.44	0.00
5.80	0.00	3,847	207.44	0.00
5.90	0.00	3,847	207.44	0.00
6.00	0.00	3,847	207.44	0.00
6.10	0.00	3,847	207.44	0.00
6.20	0.00	3,847	207.44	0.00
6.30	0.00	3,847	207.44	0.00
6.40	0.00	3,847	207.44	0.00
6.50	0.00	3,847	207.44	0.00
6.60	0.00	3,847	207.44	0.00
6.70	0.00	3,847	207.44	0.00
6.80	0.00	3,847	207.44	0.00
6.90	0.00	3,847	207.44	0.00
7.00	0.00	3,847	207.44	0.00
7.10	0.00	3,847	207.44	0.00
7.20	0.00	3,847	207.44	0.00
7.30	0.00	3,847	207.44	0.00
7.40	0.00	3,847	207.44	0.00
7.50	0.00	3,847	207.44	0.00
7.60	0.00	3,847	207.44	0.00
7.70	0.00	3,847	207.44	0.00
7.80	0.00	3,847	207.44	0.00
7.90	0.00	3,847	207.44	0.00
8.00	0.00	3,847	207.44	0.00
8.10	0.00	3,847	207.44	0.00
8.20	0.00	3,847	207.44	0.00
8.30	0.00	3,847	207.44	0.00
8.40	0.00	3,847	207.44	0.00
8.50	0.00	3,847	207.44	0.00
8.60	0.00	3,847	207.44	0.00
8.70	0.00	3,847	207.44	0.00
8.80	0.00	3,847	207.44	0.00
8.90	0.00	3,847	207.44	0.00
9.00	0.00	3,847	207.44	0.00
9.10	0.00	3,847	207.44	0.00
9.20	0.00	3,847	207.44	0.00
9.30	0.00	3,847	207.44	0.00
9.40	0.00	3,847	207.44	0.00
9.50	0.00	3,847	207.44	0.00
9.60	0.00	3,847	207.44	0.00
9.70	0.00	3,847	207.44	0.00
9.80	0.00	3,847	207.44	0.00
9.90	0.00	3,847	207.44	0.00
10.00	0.00	3,847	207.44	0.00
10.10	0.00	3,847	207.44	0.00
10.20	0.00	3,847	207.44	0.00
10.30	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,847	207.44	0.00
10.50	0.00	3,847	207.44	0.00
10.60	0.00	3,847	207.44	0.00
10.70	0.00	3,847	207.44	0.00
10.80	0.00	3,847	207.44	0.00
10.90	0.00	3,847	207.44	0.00
11.00	0.00	3,847	207.44	0.00
11.10	0.00	3,847	207.44	0.00
11.20	0.00	3,847	207.44	0.00
11.30	0.00	3,847	207.44	0.00
11.40	0.00	3,847	207.44	0.00
11.50	0.00	3,847	207.44	0.00
11.60	0.00	3,847	207.44	0.00
11.70	0.00	3,847	207.44	0.00
11.80	0.00	3,847	207.44	0.00
11.90	0.00	3,847	207.44	0.00
12.00	0.00	3,847	207.44	0.00
12.10	0.00	3,847	207.44	0.00
12.20	0.00	3,847	207.44	0.00
12.30	0.00	3,847	207.44	0.00
12.40	0.00	3,847	207.44	0.00
12.50	0.00	3,847	207.44	0.00
12.60	0.00	3,847	207.44	0.00
12.70	0.00	3,847	207.44	0.00
12.80	0.00	3,847	207.44	0.00
12.90	0.00	3,847	207.44	0.00
13.00	0.00	3,847	207.44	0.00
13.10	0.00	3,847	207.44	0.00
13.20	0.00	3,847	207.44	0.00
13.30	0.00	3,847	207.44	0.00
13.40	0.00	3,847	207.44	0.00
13.50	0.00	3,847	207.44	0.00
13.60	0.00	3,847	207.44	0.00
13.70	0.00	3,847	207.44	0.00
13.80	0.00	3,847	207.44	0.00
13.90	0.00	3,847	207.44	0.00
14.00	0.00	3,847	207.44	0.00
14.10	0.00	3,847	207.44	0.00
14.20	0.00	3,847	207.44	0.00
14.30	0.00	3,847	207.44	0.00
14.40	0.00	3,847	207.44	0.00
14.50	0.00	3,847	207.44	0.00
14.60	0.00	3,847	207.44	0.00
14.70	0.00	3,847	207.44	0.00
14.80	0.00	3,847	207.44	0.00
14.90	0.00	3,847	207.44	0.00
15.00	0.00	3,847	207.44	0.00
15.10	0.00	3,847	207.44	0.00
15.20	0.00	3,847	207.44	0.00
15.30	0.00	3,847	207.44	0.00
15.40	0.00	3,847	207.44	0.00
15.50	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,847	207.44	0.00
15.70	0.00	3,847	207.44	0.00
15.80	0.00	3,847	207.44	0.00
15.90	0.00	3,847	207.44	0.00
16.00	0.00	3,847	207.44	0.00
16.10	0.00	3,847	207.44	0.00
16.20	0.00	3,847	207.44	0.00
16.30	0.00	3,847	207.44	0.00
16.40	0.00	3,847	207.44	0.00
16.50	0.00	3,847	207.44	0.00
16.60	0.00	3,847	207.44	0.00
16.70	0.00	3,847	207.44	0.00
16.80	0.00	3,847	207.44	0.00
16.90	0.00	3,847	207.44	0.00
17.00	0.00	3,847	207.44	0.00
17.10	0.00	3,847	207.44	0.00
17.20	0.00	3,847	207.44	0.00
17.30	0.00	3,847	207.44	0.00
17.40	0.00	3,847	207.44	0.00
17.50	0.00	3,847	207.44	0.00
17.60	0.00	3,847	207.44	0.00
17.70	0.00	3,847	207.44	0.00
17.80	0.00	3,847	207.44	0.00
17.90	0.00	3,847	207.44	0.00
18.00	0.00	3,847	207.44	0.00
18.10	0.00	3,847	207.44	0.00
18.20	0.00	3,847	207.44	0.00
18.30	0.00	3,847	207.44	0.00
18.40	0.00	3,847	207.44	0.00
18.50	0.00	3,847	207.44	0.00
18.60	0.00	3,847	207.44	0.00
18.70	0.00	3,847	207.44	0.00
18.80	0.00	3,847	207.44	0.00
18.90	0.00	3,847	207.44	0.00
19.00	0.00	3,847	207.44	0.00
19.10	0.00	3,847	207.44	0.00
19.20	0.00	3,847	207.44	0.00
19.30	0.00	3,847	207.44	0.00
19.40	0.00	3,847	207.44	0.00
19.50	0.00	3,847	207.44	0.00
19.60	0.00	3,847	207.44	0.00
19.70	0.00	3,847	207.44	0.00
19.80	0.00	3,847	207.44	0.00
19.90	0.00	3,847	207.44	0.00
20.00	0.00	3,847	207.44	0.00
20.10	0.00	3,847	207.44	0.00
20.20	0.00	3,847	207.44	0.00
20.30	0.00	3,847	207.44	0.00
20.40	0.00	3,847	207.44	0.00
20.50	0.00	3,847	207.44	0.00
20.60	0.00	3,847	207.44	0.00
20.70	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,847	207.44	0.00
20.90	0.00	3,847	207.44	0.00
21.00	0.00	3,847	207.44	0.00
21.10	0.00	3,847	207.44	0.00
21.20	0.00	3,847	207.44	0.00
21.30	0.00	3,847	207.44	0.00
21.40	0.00	3,847	207.44	0.00
21.50	0.00	3,847	207.44	0.00
21.60	0.00	3,847	207.44	0.00
21.70	0.00	3,847	207.44	0.00
21.80	0.00	3,847	207.44	0.00
21.90	0.00	3,847	207.44	0.00
22.00	0.00	3,847	207.44	0.00
22.10	0.00	3,847	207.44	0.00
22.20	0.00	3,847	207.44	0.00
22.30	0.00	3,847	207.44	0.00
22.40	0.00	3,847	207.44	0.00
22.50	0.00	3,847	207.44	0.00
22.60	0.00	3,847	207.44	0.00
22.70	0.00	3,847	207.44	0.00
22.80	0.00	3,847	207.44	0.00
22.90	0.00	3,847	207.44	0.00
23.00	0.00	3,847	207.44	0.00
23.10	0.00	3,847	207.44	0.00
23.20	0.00	3,847	207.44	0.00
23.30	0.00	3,847	207.44	0.00
23.40	0.00	3,847	207.44	0.00
23.50	0.00	3,847	207.44	0.00
23.60	0.00	3,847	207.44	0.00
23.70	0.00	3,847	207.44	0.00
23.80	0.00	3,847	207.44	0.00
23.90	0.00	3,847	207.44	0.00
24.00	0.00	3,847	207.44	0.00
24.10	0.00	3,847	207.44	0.00
24.20	0.00	3,847	207.44	0.00
24.30	0.00	3,847	207.44	0.00
24.40	0.00	3,847	207.44	0.00
24.50	0.00	3,847	207.44	0.00
24.60	0.00	3,847	207.44	0.00
24.70	0.00	3,847	207.44	0.00
24.80	0.00	3,847	207.44	0.00
24.90	0.00	3,847	207.44	0.00
25.00	0.00	3,847	207.44	0.00
25.10	0.00	3,847	207.44	0.00
25.20	0.00	3,847	207.44	0.00
25.30	0.00	3,847	207.44	0.00
25.40	0.00	3,847	207.44	0.00
25.50	0.00	3,847	207.44	0.00
25.60	0.00	3,847	207.44	0.00
25.70	0.00	3,847	207.44	0.00
25.80	0.00	3,847	207.44	0.00
25.90	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,847	207.44	0.00
26.10	0.00	3,847	207.44	0.00
26.20	0.00	3,847	207.44	0.00
26.30	0.00	3,847	207.44	0.00
26.40	0.00	3,847	207.44	0.00
26.50	0.00	3,847	207.44	0.00
26.60	0.00	3,847	207.44	0.00
26.70	0.00	3,847	207.44	0.00
26.80	0.00	3,847	207.44	0.00
26.90	0.00	3,847	207.44	0.00
27.00	0.00	3,847	207.44	0.00
27.10	0.00	3,847	207.44	0.00
27.20	0.00	3,847	207.44	0.00
27.30	0.00	3,847	207.44	0.00
27.40	0.00	3,847	207.44	0.00
27.50	0.00	3,847	207.44	0.00
27.60	0.00	3,847	207.44	0.00
27.70	0.00	3,847	207.44	0.00
27.80	0.00	3,847	207.44	0.00
27.90	0.00	3,847	207.44	0.00
28.00	0.00	3,847	207.44	0.00
28.10	0.00	3,847	207.44	0.00
28.20	0.00	3,847	207.44	0.00
28.30	0.00	3,847	207.44	0.00
28.40	0.00	3,847	207.44	0.00
28.50	0.00	3,847	207.44	0.00
28.60	0.00	3,847	207.44	0.00
28.70	0.00	3,847	207.44	0.00
28.80	0.00	3,847	207.44	0.00
28.90	0.00	3,847	207.44	0.00
29.00	0.00	3,847	207.44	0.00
29.10	0.00	3,847	207.44	0.00
29.20	0.00	3,847	207.44	0.00
29.30	0.00	3,847	207.44	0.00
29.40	0.00	3,847	207.44	0.00
29.50	0.00	3,847	207.44	0.00
29.60	0.00	3,847	207.44	0.00
29.70	0.00	3,847	207.44	0.00
29.80	0.00	3,847	207.44	0.00
29.90	0.00	3,847	207.44	0.00
30.00	0.00	3,847	207.44	0.00
30.10	0.00	3,847	207.44	0.00
30.20	0.00	3,847	207.44	0.00
30.30	0.00	3,847	207.44	0.00
30.40	0.00	3,847	207.44	0.00
30.50	0.00	3,847	207.44	0.00
30.60	0.00	3,847	207.44	0.00
30.70	0.00	3,847	207.44	0.00
30.80	0.00	3,847	207.44	0.00
30.90	0.00	3,847	207.44	0.00
31.00	0.00	3,847	207.44	0.00
31.10	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,847	207.44	0.00
31.30	0.00	3,847	207.44	0.00
31.40	0.00	3,847	207.44	0.00
31.50	0.00	3,847	207.44	0.00
31.60	0.00	3,847	207.44	0.00
31.70	0.00	3,847	207.44	0.00
31.80	0.00	3,847	207.44	0.00
31.90	0.00	3,847	207.44	0.00
32.00	0.00	3,847	207.44	0.00
32.10	0.00	3,847	207.44	0.00
32.20	0.00	3,847	207.44	0.00
32.30	0.00	3,847	207.44	0.00
32.40	0.00	3,847	207.44	0.00
32.50	0.00	3,847	207.44	0.00
32.60	0.00	3,847	207.44	0.00
32.70	0.00	3,847	207.44	0.00
32.80	0.00	3,847	207.44	0.00
32.90	0.00	3,847	207.44	0.00
33.00	0.00	3,847	207.44	0.00
33.10	0.00	3,847	207.44	0.00
33.20	0.00	3,847	207.44	0.00
33.30	0.00	3,847	207.44	0.00
33.40	0.00	3,847	207.44	0.00
33.50	0.00	3,847	207.44	0.00
33.60	0.00	3,847	207.44	0.00
33.70	0.00	3,847	207.44	0.00
33.80	0.00	3,847	207.44	0.00
33.90	0.00	3,847	207.44	0.00
34.00	0.00	3,847	207.44	0.00
34.10	0.00	3,847	207.44	0.00
34.20	0.00	3,847	207.44	0.00
34.30	0.00	3,847	207.44	0.00
34.40	0.00	3,847	207.44	0.00
34.50	0.00	3,847	207.44	0.00
34.60	0.00	3,847	207.44	0.00
34.70	0.00	3,847	207.44	0.00
34.80	0.00	3,847	207.44	0.00
34.90	0.00	3,847	207.44	0.00
35.00	0.00	3,847	207.44	0.00
35.10	0.00	3,847	207.44	0.00
35.20	0.00	3,847	207.44	0.00
35.30	0.00	3,847	207.44	0.00
35.40	0.00	3,847	207.44	0.00
35.50	0.00	3,847	207.44	0.00
35.60	0.00	3,847	207.44	0.00
35.70	0.00	3,847	207.44	0.00
35.80	0.00	3,847	207.44	0.00
35.90	0.00	3,847	207.44	0.00
36.00	0.00	3,847	207.44	0.00
36.10	0.00	3,847	207.44	0.00
36.20	0.00	3,847	207.44	0.00
36.30	0.00	3,847	207.44	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,847	207.44	0.00
36.50	0.00	3,847	207.44	0.00
36.60	0.00	3,847	207.44	0.00
36.70	0.00	3,847	207.44	0.00
36.80	0.00	3,847	207.44	0.00
36.90	0.00	3,847	207.44	0.00
37.00	0.00	3,847	207.44	0.00
37.10	0.00	3,847	207.44	0.00
37.20	0.00	3,847	207.44	0.00
37.30	0.00	3,847	207.44	0.00
37.40	0.00	3,847	207.44	0.00
37.50	0.00	3,847	207.44	0.00
37.60	0.00	3,847	207.44	0.00
37.70	0.00	3,847	207.44	0.00
37.80	0.00	3,847	207.44	0.00
37.90	0.00	3,847	207.44	0.00
38.00	0.00	3,847	207.44	0.00
38.10	0.00	3,847	207.44	0.00
38.20	0.00	3,847	207.44	0.00
38.30	0.00	3,847	207.44	0.00
38.40	0.00	3,847	207.44	0.00
38.50	0.00	3,847	207.44	0.00
38.60	0.00	3,847	207.44	0.00
38.70	0.00	3,847	207.44	0.00
38.80	0.00	3,847	207.44	0.00
38.90	0.00	3,847	207.44	0.00
39.00	0.00	3,847	207.44	0.00
39.10	0.00	3,847	207.44	0.00
39.20	0.00	3,847	207.44	0.00
39.30	0.00	3,847	207.44	0.00
39.40	0.00	3,847	207.44	0.00
39.50	0.00	3,847	207.44	0.00
39.60	0.00	3,847	207.44	0.00
39.70	0.00	3,847	207.44	0.00
39.80	0.00	3,847	207.44	0.00
39.90	0.00	3,847	207.44	0.00
40.00	0.00	3,847	207.44	0.00

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 0.30" for WQ Storm event
Inflow = 1.61 cfs @ 1.04 hrs, Volume= 0.051 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.17' @ 2.10 hrs Surf.Area= 13,449 sf Storage= 2,241 cf

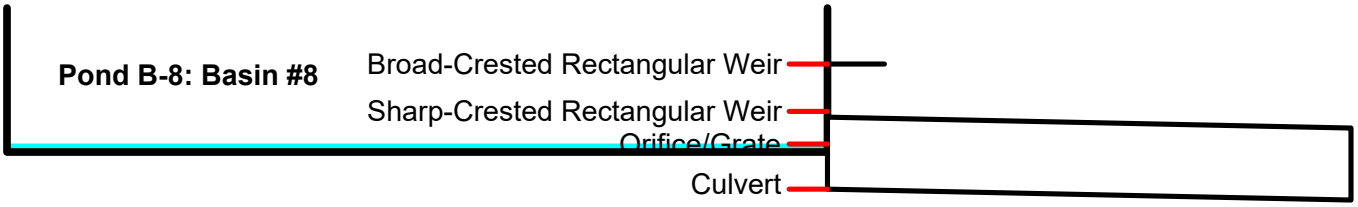
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

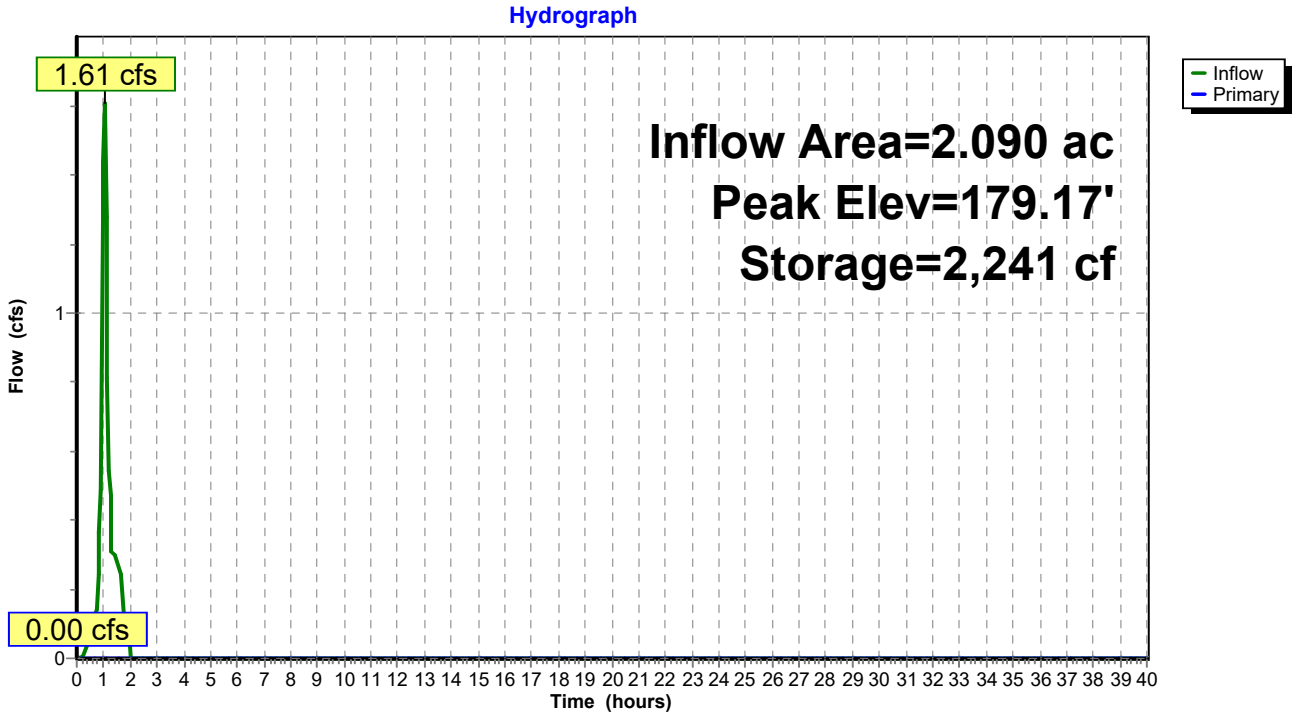
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=179.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 2.04 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	**0.00**
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.03	5	179.00	0.00
0.50	0.06	21	179.00	0.00
0.60	0.10	51	179.00	0.00
0.70	0.13	92	179.01	0.00
0.80	0.25	154	179.01	0.00
0.90	0.49	286	179.02	0.00
1.00	**1.44**	686	179.05	0.00
1.10	**1.28**	1,219	179.09	0.00
1.20	0.54	1,530	179.11	0.00
1.30	0.31	1,691	179.13	0.00
1.40	0.31	1,803	179.14	0.00
1.50	0.31	1,916	179.14	0.00
1.60	0.25	2,011	179.15	0.00
1.70	0.26	2,102	179.16	0.00
1.80	0.09	2,173	179.16	0.00
1.90	0.09	2,205	179.16	0.00
2.00	0.07	2,234	179.17	0.00
2.10	0.00	**2,241**	**179.17**	0.00
2.20	0.00	2,241	179.17	0.00
2.30	0.00	2,241	179.17	0.00
2.40	0.00	2,241	179.17	0.00
2.50	0.00	2,241	179.17	0.00
2.60	0.00	2,241	179.17	0.00
2.70	0.00	2,241	179.17	0.00
2.80	0.00	2,241	179.17	0.00
2.90	0.00	2,241	179.17	0.00
3.00	0.00	2,241	179.17	0.00
3.10	0.00	2,241	179.17	0.00
3.20	0.00	2,241	179.17	0.00
3.30	0.00	2,241	179.17	0.00
3.40	0.00	2,241	179.17	0.00
3.50	0.00	2,241	179.17	0.00
3.60	0.00	2,241	179.17	0.00
3.70	0.00	2,241	179.17	0.00
3.80	0.00	2,241	179.17	0.00
3.90	0.00	2,241	179.17	0.00
4.00	0.00	2,241	179.17	0.00
4.10	0.00	2,241	179.17	0.00
4.20	0.00	2,241	179.17	0.00
4.30	0.00	2,241	179.17	0.00
4.40	0.00	2,241	179.17	0.00
4.50	0.00	2,241	179.17	0.00
4.60	0.00	2,241	179.17	0.00
4.70	0.00	2,241	179.17	0.00
4.80	0.00	2,241	179.17	0.00
4.90	0.00	2,241	179.17	0.00
5.00	0.00	2,241	179.17	0.00
5.10	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,241	179.17	0.00
5.30	0.00	2,241	179.17	0.00
5.40	0.00	2,241	179.17	0.00
5.50	0.00	2,241	179.17	0.00
5.60	0.00	2,241	179.17	0.00
5.70	0.00	2,241	179.17	0.00
5.80	0.00	2,241	179.17	0.00
5.90	0.00	2,241	179.17	0.00
6.00	0.00	2,241	179.17	0.00
6.10	0.00	2,241	179.17	0.00
6.20	0.00	2,241	179.17	0.00
6.30	0.00	2,241	179.17	0.00
6.40	0.00	2,241	179.17	0.00
6.50	0.00	2,241	179.17	0.00
6.60	0.00	2,241	179.17	0.00
6.70	0.00	2,241	179.17	0.00
6.80	0.00	2,241	179.17	0.00
6.90	0.00	2,241	179.17	0.00
7.00	0.00	2,241	179.17	0.00
7.10	0.00	2,241	179.17	0.00
7.20	0.00	2,241	179.17	0.00
7.30	0.00	2,241	179.17	0.00
7.40	0.00	2,241	179.17	0.00
7.50	0.00	2,241	179.17	0.00
7.60	0.00	2,241	179.17	0.00
7.70	0.00	2,241	179.17	0.00
7.80	0.00	2,241	179.17	0.00
7.90	0.00	2,241	179.17	0.00
8.00	0.00	2,241	179.17	0.00
8.10	0.00	2,241	179.17	0.00
8.20	0.00	2,241	179.17	0.00
8.30	0.00	2,241	179.17	0.00
8.40	0.00	2,241	179.17	0.00
8.50	0.00	2,241	179.17	0.00
8.60	0.00	2,241	179.17	0.00
8.70	0.00	2,241	179.17	0.00
8.80	0.00	2,241	179.17	0.00
8.90	0.00	2,241	179.17	0.00
9.00	0.00	2,241	179.17	0.00
9.10	0.00	2,241	179.17	0.00
9.20	0.00	2,241	179.17	0.00
9.30	0.00	2,241	179.17	0.00
9.40	0.00	2,241	179.17	0.00
9.50	0.00	2,241	179.17	0.00
9.60	0.00	2,241	179.17	0.00
9.70	0.00	2,241	179.17	0.00
9.80	0.00	2,241	179.17	0.00
9.90	0.00	2,241	179.17	0.00
10.00	0.00	2,241	179.17	0.00
10.10	0.00	2,241	179.17	0.00
10.20	0.00	2,241	179.17	0.00
10.30	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,241	179.17	0.00
10.50	0.00	2,241	179.17	0.00
10.60	0.00	2,241	179.17	0.00
10.70	0.00	2,241	179.17	0.00
10.80	0.00	2,241	179.17	0.00
10.90	0.00	2,241	179.17	0.00
11.00	0.00	2,241	179.17	0.00
11.10	0.00	2,241	179.17	0.00
11.20	0.00	2,241	179.17	0.00
11.30	0.00	2,241	179.17	0.00
11.40	0.00	2,241	179.17	0.00
11.50	0.00	2,241	179.17	0.00
11.60	0.00	2,241	179.17	0.00
11.70	0.00	2,241	179.17	0.00
11.80	0.00	2,241	179.17	0.00
11.90	0.00	2,241	179.17	0.00
12.00	0.00	2,241	179.17	0.00
12.10	0.00	2,241	179.17	0.00
12.20	0.00	2,241	179.17	0.00
12.30	0.00	2,241	179.17	0.00
12.40	0.00	2,241	179.17	0.00
12.50	0.00	2,241	179.17	0.00
12.60	0.00	2,241	179.17	0.00
12.70	0.00	2,241	179.17	0.00
12.80	0.00	2,241	179.17	0.00
12.90	0.00	2,241	179.17	0.00
13.00	0.00	2,241	179.17	0.00
13.10	0.00	2,241	179.17	0.00
13.20	0.00	2,241	179.17	0.00
13.30	0.00	2,241	179.17	0.00
13.40	0.00	2,241	179.17	0.00
13.50	0.00	2,241	179.17	0.00
13.60	0.00	2,241	179.17	0.00
13.70	0.00	2,241	179.17	0.00
13.80	0.00	2,241	179.17	0.00
13.90	0.00	2,241	179.17	0.00
14.00	0.00	2,241	179.17	0.00
14.10	0.00	2,241	179.17	0.00
14.20	0.00	2,241	179.17	0.00
14.30	0.00	2,241	179.17	0.00
14.40	0.00	2,241	179.17	0.00
14.50	0.00	2,241	179.17	0.00
14.60	0.00	2,241	179.17	0.00
14.70	0.00	2,241	179.17	0.00
14.80	0.00	2,241	179.17	0.00
14.90	0.00	2,241	179.17	0.00
15.00	0.00	2,241	179.17	0.00
15.10	0.00	2,241	179.17	0.00
15.20	0.00	2,241	179.17	0.00
15.30	0.00	2,241	179.17	0.00
15.40	0.00	2,241	179.17	0.00
15.50	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,241	179.17	0.00
15.70	0.00	2,241	179.17	0.00
15.80	0.00	2,241	179.17	0.00
15.90	0.00	2,241	179.17	0.00
16.00	0.00	2,241	179.17	0.00
16.10	0.00	2,241	179.17	0.00
16.20	0.00	2,241	179.17	0.00
16.30	0.00	2,241	179.17	0.00
16.40	0.00	2,241	179.17	0.00
16.50	0.00	2,241	179.17	0.00
16.60	0.00	2,241	179.17	0.00
16.70	0.00	2,241	179.17	0.00
16.80	0.00	2,241	179.17	0.00
16.90	0.00	2,241	179.17	0.00
17.00	0.00	2,241	179.17	0.00
17.10	0.00	2,241	179.17	0.00
17.20	0.00	2,241	179.17	0.00
17.30	0.00	2,241	179.17	0.00
17.40	0.00	2,241	179.17	0.00
17.50	0.00	2,241	179.17	0.00
17.60	0.00	2,241	179.17	0.00
17.70	0.00	2,241	179.17	0.00
17.80	0.00	2,241	179.17	0.00
17.90	0.00	2,241	179.17	0.00
18.00	0.00	2,241	179.17	0.00
18.10	0.00	2,241	179.17	0.00
18.20	0.00	2,241	179.17	0.00
18.30	0.00	2,241	179.17	0.00
18.40	0.00	2,241	179.17	0.00
18.50	0.00	2,241	179.17	0.00
18.60	0.00	2,241	179.17	0.00
18.70	0.00	2,241	179.17	0.00
18.80	0.00	2,241	179.17	0.00
18.90	0.00	2,241	179.17	0.00
19.00	0.00	2,241	179.17	0.00
19.10	0.00	2,241	179.17	0.00
19.20	0.00	2,241	179.17	0.00
19.30	0.00	2,241	179.17	0.00
19.40	0.00	2,241	179.17	0.00
19.50	0.00	2,241	179.17	0.00
19.60	0.00	2,241	179.17	0.00
19.70	0.00	2,241	179.17	0.00
19.80	0.00	2,241	179.17	0.00
19.90	0.00	2,241	179.17	0.00
20.00	0.00	2,241	179.17	0.00
20.10	0.00	2,241	179.17	0.00
20.20	0.00	2,241	179.17	0.00
20.30	0.00	2,241	179.17	0.00
20.40	0.00	2,241	179.17	0.00
20.50	0.00	2,241	179.17	0.00
20.60	0.00	2,241	179.17	0.00
20.70	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,241	179.17	0.00
20.90	0.00	2,241	179.17	0.00
21.00	0.00	2,241	179.17	0.00
21.10	0.00	2,241	179.17	0.00
21.20	0.00	2,241	179.17	0.00
21.30	0.00	2,241	179.17	0.00
21.40	0.00	2,241	179.17	0.00
21.50	0.00	2,241	179.17	0.00
21.60	0.00	2,241	179.17	0.00
21.70	0.00	2,241	179.17	0.00
21.80	0.00	2,241	179.17	0.00
21.90	0.00	2,241	179.17	0.00
22.00	0.00	2,241	179.17	0.00
22.10	0.00	2,241	179.17	0.00
22.20	0.00	2,241	179.17	0.00
22.30	0.00	2,241	179.17	0.00
22.40	0.00	2,241	179.17	0.00
22.50	0.00	2,241	179.17	0.00
22.60	0.00	2,241	179.17	0.00
22.70	0.00	2,241	179.17	0.00
22.80	0.00	2,241	179.17	0.00
22.90	0.00	2,241	179.17	0.00
23.00	0.00	2,241	179.17	0.00
23.10	0.00	2,241	179.17	0.00
23.20	0.00	2,241	179.17	0.00
23.30	0.00	2,241	179.17	0.00
23.40	0.00	2,241	179.17	0.00
23.50	0.00	2,241	179.17	0.00
23.60	0.00	2,241	179.17	0.00
23.70	0.00	2,241	179.17	0.00
23.80	0.00	2,241	179.17	0.00
23.90	0.00	2,241	179.17	0.00
24.00	0.00	2,241	179.17	0.00
24.10	0.00	2,241	179.17	0.00
24.20	0.00	2,241	179.17	0.00
24.30	0.00	2,241	179.17	0.00
24.40	0.00	2,241	179.17	0.00
24.50	0.00	2,241	179.17	0.00
24.60	0.00	2,241	179.17	0.00
24.70	0.00	2,241	179.17	0.00
24.80	0.00	2,241	179.17	0.00
24.90	0.00	2,241	179.17	0.00
25.00	0.00	2,241	179.17	0.00
25.10	0.00	2,241	179.17	0.00
25.20	0.00	2,241	179.17	0.00
25.30	0.00	2,241	179.17	0.00
25.40	0.00	2,241	179.17	0.00
25.50	0.00	2,241	179.17	0.00
25.60	0.00	2,241	179.17	0.00
25.70	0.00	2,241	179.17	0.00
25.80	0.00	2,241	179.17	0.00
25.90	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,241	179.17	0.00
26.10	0.00	2,241	179.17	0.00
26.20	0.00	2,241	179.17	0.00
26.30	0.00	2,241	179.17	0.00
26.40	0.00	2,241	179.17	0.00
26.50	0.00	2,241	179.17	0.00
26.60	0.00	2,241	179.17	0.00
26.70	0.00	2,241	179.17	0.00
26.80	0.00	2,241	179.17	0.00
26.90	0.00	2,241	179.17	0.00
27.00	0.00	2,241	179.17	0.00
27.10	0.00	2,241	179.17	0.00
27.20	0.00	2,241	179.17	0.00
27.30	0.00	2,241	179.17	0.00
27.40	0.00	2,241	179.17	0.00
27.50	0.00	2,241	179.17	0.00
27.60	0.00	2,241	179.17	0.00
27.70	0.00	2,241	179.17	0.00
27.80	0.00	2,241	179.17	0.00
27.90	0.00	2,241	179.17	0.00
28.00	0.00	2,241	179.17	0.00
28.10	0.00	2,241	179.17	0.00
28.20	0.00	2,241	179.17	0.00
28.30	0.00	2,241	179.17	0.00
28.40	0.00	2,241	179.17	0.00
28.50	0.00	2,241	179.17	0.00
28.60	0.00	2,241	179.17	0.00
28.70	0.00	2,241	179.17	0.00
28.80	0.00	2,241	179.17	0.00
28.90	0.00	2,241	179.17	0.00
29.00	0.00	2,241	179.17	0.00
29.10	0.00	2,241	179.17	0.00
29.20	0.00	2,241	179.17	0.00
29.30	0.00	2,241	179.17	0.00
29.40	0.00	2,241	179.17	0.00
29.50	0.00	2,241	179.17	0.00
29.60	0.00	2,241	179.17	0.00
29.70	0.00	2,241	179.17	0.00
29.80	0.00	2,241	179.17	0.00
29.90	0.00	2,241	179.17	0.00
30.00	0.00	2,241	179.17	0.00
30.10	0.00	2,241	179.17	0.00
30.20	0.00	2,241	179.17	0.00
30.30	0.00	2,241	179.17	0.00
30.40	0.00	2,241	179.17	0.00
30.50	0.00	2,241	179.17	0.00
30.60	0.00	2,241	179.17	0.00
30.70	0.00	2,241	179.17	0.00
30.80	0.00	2,241	179.17	0.00
30.90	0.00	2,241	179.17	0.00
31.00	0.00	2,241	179.17	0.00
31.10	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,241	179.17	0.00
31.30	0.00	2,241	179.17	0.00
31.40	0.00	2,241	179.17	0.00
31.50	0.00	2,241	179.17	0.00
31.60	0.00	2,241	179.17	0.00
31.70	0.00	2,241	179.17	0.00
31.80	0.00	2,241	179.17	0.00
31.90	0.00	2,241	179.17	0.00
32.00	0.00	2,241	179.17	0.00
32.10	0.00	2,241	179.17	0.00
32.20	0.00	2,241	179.17	0.00
32.30	0.00	2,241	179.17	0.00
32.40	0.00	2,241	179.17	0.00
32.50	0.00	2,241	179.17	0.00
32.60	0.00	2,241	179.17	0.00
32.70	0.00	2,241	179.17	0.00
32.80	0.00	2,241	179.17	0.00
32.90	0.00	2,241	179.17	0.00
33.00	0.00	2,241	179.17	0.00
33.10	0.00	2,241	179.17	0.00
33.20	0.00	2,241	179.17	0.00
33.30	0.00	2,241	179.17	0.00
33.40	0.00	2,241	179.17	0.00
33.50	0.00	2,241	179.17	0.00
33.60	0.00	2,241	179.17	0.00
33.70	0.00	2,241	179.17	0.00
33.80	0.00	2,241	179.17	0.00
33.90	0.00	2,241	179.17	0.00
34.00	0.00	2,241	179.17	0.00
34.10	0.00	2,241	179.17	0.00
34.20	0.00	2,241	179.17	0.00
34.30	0.00	2,241	179.17	0.00
34.40	0.00	2,241	179.17	0.00
34.50	0.00	2,241	179.17	0.00
34.60	0.00	2,241	179.17	0.00
34.70	0.00	2,241	179.17	0.00
34.80	0.00	2,241	179.17	0.00
34.90	0.00	2,241	179.17	0.00
35.00	0.00	2,241	179.17	0.00
35.10	0.00	2,241	179.17	0.00
35.20	0.00	2,241	179.17	0.00
35.30	0.00	2,241	179.17	0.00
35.40	0.00	2,241	179.17	0.00
35.50	0.00	2,241	179.17	0.00
35.60	0.00	2,241	179.17	0.00
35.70	0.00	2,241	179.17	0.00
35.80	0.00	2,241	179.17	0.00
35.90	0.00	2,241	179.17	0.00
36.00	0.00	2,241	179.17	0.00
36.10	0.00	2,241	179.17	0.00
36.20	0.00	2,241	179.17	0.00
36.30	0.00	2,241	179.17	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,241	179.17	0.00
36.50	0.00	2,241	179.17	0.00
36.60	0.00	2,241	179.17	0.00
36.70	0.00	2,241	179.17	0.00
36.80	0.00	2,241	179.17	0.00
36.90	0.00	2,241	179.17	0.00
37.00	0.00	2,241	179.17	0.00
37.10	0.00	2,241	179.17	0.00
37.20	0.00	2,241	179.17	0.00
37.30	0.00	2,241	179.17	0.00
37.40	0.00	2,241	179.17	0.00
37.50	0.00	2,241	179.17	0.00
37.60	0.00	2,241	179.17	0.00
37.70	0.00	2,241	179.17	0.00
37.80	0.00	2,241	179.17	0.00
37.90	0.00	2,241	179.17	0.00
38.00	0.00	2,241	179.17	0.00
38.10	0.00	2,241	179.17	0.00
38.20	0.00	2,241	179.17	0.00
38.30	0.00	2,241	179.17	0.00
38.40	0.00	2,241	179.17	0.00
38.50	0.00	2,241	179.17	0.00
38.60	0.00	2,241	179.17	0.00
38.70	0.00	2,241	179.17	0.00
38.80	0.00	2,241	179.17	0.00
38.90	0.00	2,241	179.17	0.00
39.00	0.00	2,241	179.17	0.00
39.10	0.00	2,241	179.17	0.00
39.20	0.00	2,241	179.17	0.00
39.30	0.00	2,241	179.17	0.00
39.40	0.00	2,241	179.17	0.00
39.50	0.00	2,241	179.17	0.00
39.60	0.00	2,241	179.17	0.00
39.70	0.00	2,241	179.17	0.00
39.80	0.00	2,241	179.17	0.00
39.90	0.00	2,241	179.17	0.00
40.00	0.00	2,241	179.17	0.00

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)
181.08	26.70
181.09	27.71
181.10	28.75
181.11	29.81
181.12	30.89
181.13	32.00
181.14	33.13
181.15	34.29
181.16	35.47
181.17	36.68
181.18	37.91
181.19	39.16
181.20	40.44
181.21	41.74
181.22	43.07
181.23	44.42
181.24	45.82
181.25	47.25
181.26	48.70
181.27	50.18
181.28	51.68
181.29	53.22
181.30	54.77
181.31	56.36
181.32	57.97
181.33	59.60
181.34	61.27
181.35	62.95
181.36	64.67
181.37	66.41
181.38	68.18
181.39	69.98
181.40	71.80
181.41	73.65
181.42	75.52
181.43	77.42
181.44	79.09
181.45	80.76
181.46	82.45
181.47	84.15
181.48	85.86
181.49	87.59
181.50	89.33
181.51	91.08
181.52	92.84
181.53	94.62
181.54	96.41
181.55	98.22
181.56	100.03
181.57	101.86
181.58	103.70
181.59	105.56
181.60	107.42
181.61	109.30
181.62	111.19
181.63	113.09
181.64	115.04
181.65	117.01
181.66	118.98
181.67	120.98
181.68	122.98
181.69	125.00
181.70	127.03
181.71	129.07
181.72	131.13
181.73	133.19
181.74	135.28
181.75	137.37
181.76	139.48
181.77	141.60
181.78	143.73
181.79	145.87
181.80	148.03
181.81	150.20
181.82	152.38
181.83	154.58
181.84	156.73
181.85	158.90
181.86	161.07
181.87	163.26
181.88	165.46
181.89	167.66
181.90	169.88
181.91	172.11
181.92	174.35
181.93	176.60
181.94	178.86
181.95	181.13
181.96	183.41
181.97	185.70
181.98	188.00
181.99	190.31
182.00	**192.63**

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350	180.56	14,845	21,932
180.05	14,325	14,493	180.57	14,855	22,080
180.06	14,335	14,637	180.58	14,865	22,229
180.07	14,345	14,780	180.59	14,875	22,378
180.08	14,356	14,924	180.60	14,885	22,526
180.09	14,366	15,067	180.61	14,896	22,675
180.10	14,376	15,211	180.62	14,906	22,824
180.11	14,386	15,355	180.63	14,916	22,973
180.12	14,396	15,499	180.64	14,926	23,123
180.13	14,406	15,643	180.65	14,936	23,272
180.14	14,417	15,787	180.66	14,947	23,421
180.15	14,427	15,931	180.67	14,957	23,571
180.16	14,437	16,075	180.68	14,967	23,720
180.17	14,447	16,220	180.69	14,977	23,870
180.18	14,457	16,364	180.70	14,987	24,020
180.19	14,468	16,509	180.71	14,997	24,170
180.20	14,478	16,654	180.72	15,008	24,320
180.21	14,488	16,799	180.73	15,018	24,470
180.22	14,498	16,943	180.74	15,028	24,620
180.23	14,508	17,088	180.75	15,038	24,771
180.24	14,519	17,234	180.76	15,048	24,921
180.25	14,529	17,379	180.77	15,059	25,072
180.26	14,539	17,524	180.78	15,069	25,222
180.27	14,549	17,670	180.79	15,079	25,373
180.28	14,559	17,815	180.80	15,089	25,524
180.29	14,570	17,961	180.81	15,099	25,675
180.30	14,580	18,107	180.82	15,110	25,826
180.31	14,590	18,252	180.83	15,120	25,977
180.32	14,600	18,398	180.84	15,130	26,128
180.33	14,610	18,544	180.85	15,140	26,280
180.34	14,620	18,691	180.86	15,150	26,431
180.35	14,631	18,837	180.87	15,161	26,583
180.36	14,641	18,983	180.88	15,171	26,734
180.37	14,651	19,130	180.89	15,181	26,886
180.38	14,661	19,276	180.90	15,191	27,038
180.39	14,671	19,423	180.91	15,201	27,190
180.40	14,682	19,570	180.92	15,211	27,342
180.41	14,692	19,716	180.93	15,222	27,494
180.42	14,702	19,863	180.94	15,232	27,646
180.43	14,712	20,011	180.95	15,242	27,799
180.44	14,722	20,158	180.96	15,252	27,951
180.45	14,733	20,305	180.97	15,262	28,104
180.46	14,743	20,452	180.98	15,273	28,256
180.47	14,753	20,600	180.99	15,283	28,409
180.48	14,763	20,747	181.00	15,293	28,562
180.49	14,773	20,895	181.01	15,303	28,715
180.50	14,784	21,043	181.02	15,314	28,868
180.51	14,794	21,191	181.03	15,324	29,021
180.52	14,804	21,339	181.04	15,335	29,175
180.53	14,814	21,487	181.05	15,345	29,328
180.54	14,824	21,635	181.06	15,356	29,481
180.55	14,834	21,783	181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 0.58" for WQ Storm event
Inflow = 2.46 cfs @ 1.05 hrs, Volume= 0.073 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.29' @ 2.20 hrs Surf.Area= 11,005 sf Storage= 3,161 cf

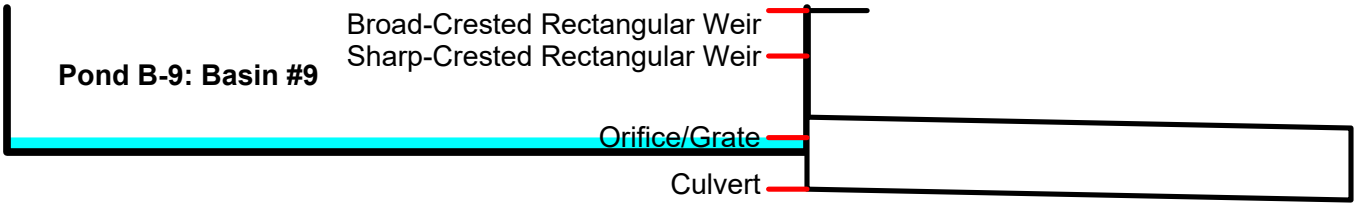
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

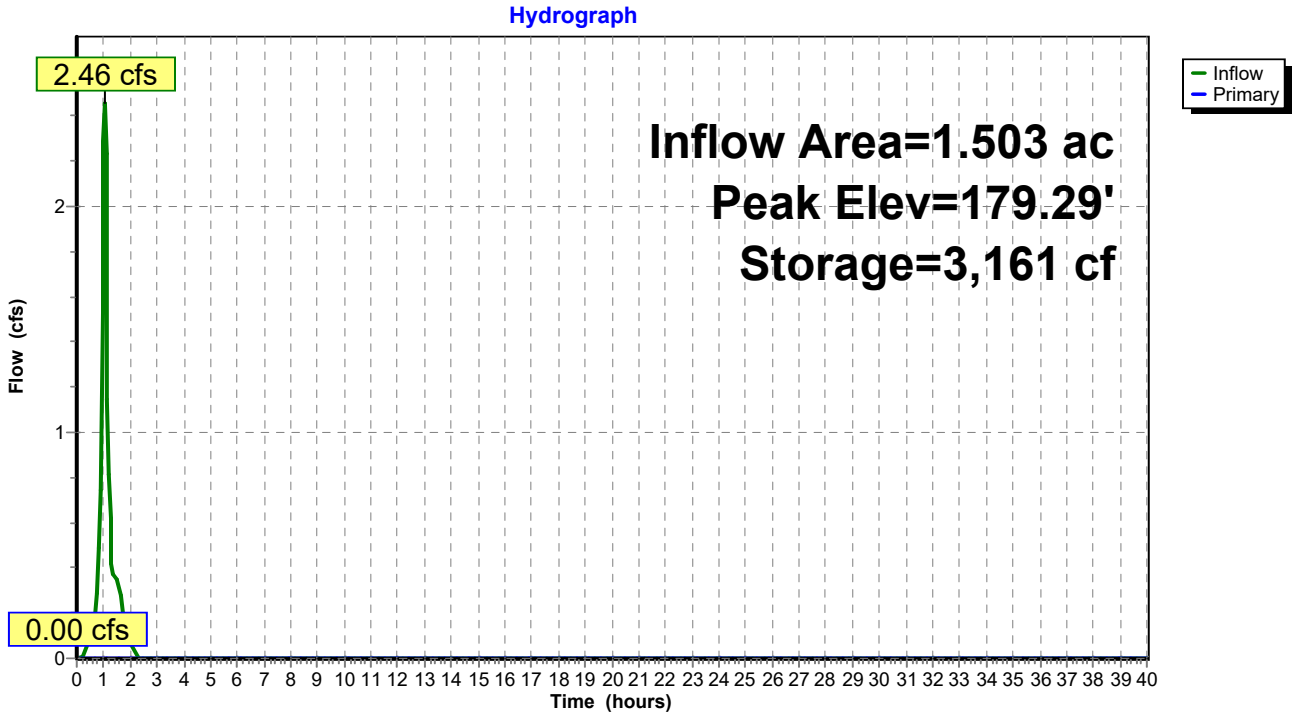
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=179.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 2.05 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	**0.00**
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.04	6	179.00	0.00
0.50	0.08	28	179.00	0.00
0.60	0.16	73	179.01	0.00
0.70	0.20	137	179.01	0.00
0.80	0.36	227	179.02	0.00
0.90	0.75	414	179.04	0.00
1.00	**2.28**	961	179.09	0.00
1.10	**2.23**	1,810	179.17	0.00
1.20	0.81	2,289	179.21	0.00
1.30	0.42	2,511	179.23	0.00
1.40	0.36	2,648	179.24	0.00
1.50	0.36	2,779	179.26	0.00
1.60	0.28	2,891	179.27	0.00
1.70	0.28	2,992	179.28	0.00
1.80	0.13	3,079	179.28	0.00
1.90	0.10	3,116	179.29	0.00
2.00	0.09	3,150	179.29	0.00
2.10	0.00	3,161	179.29	0.00
2.20	0.00	**3,161**	**179.29**	0.00
2.30	0.00	3,161	179.29	0.00
2.40	0.00	3,161	179.29	0.00
2.50	0.00	3,161	179.29	0.00
2.60	0.00	3,161	179.29	0.00
2.70	0.00	3,161	179.29	0.00
2.80	0.00	3,161	179.29	0.00
2.90	0.00	3,161	179.29	0.00
3.00	0.00	3,161	179.29	0.00
3.10	0.00	3,161	179.29	0.00
3.20	0.00	3,161	179.29	0.00
3.30	0.00	3,161	179.29	0.00
3.40	0.00	3,161	179.29	0.00
3.50	0.00	3,161	179.29	0.00
3.60	0.00	3,161	179.29	0.00
3.70	0.00	3,161	179.29	0.00
3.80	0.00	3,161	179.29	0.00
3.90	0.00	3,161	179.29	0.00
4.00	0.00	3,161	179.29	0.00
4.10	0.00	3,161	179.29	0.00
4.20	0.00	3,161	179.29	0.00
4.30	0.00	3,161	179.29	0.00
4.40	0.00	3,161	179.29	0.00
4.50	0.00	3,161	179.29	0.00
4.60	0.00	3,161	179.29	0.00
4.70	0.00	3,161	179.29	0.00
4.80	0.00	3,161	179.29	0.00
4.90	0.00	3,161	179.29	0.00
5.00	0.00	3,161	179.29	0.00
5.10	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	3,161	179.29	0.00
5.30	0.00	3,161	179.29	0.00
5.40	0.00	3,161	179.29	0.00
5.50	0.00	3,161	179.29	0.00
5.60	0.00	3,161	179.29	0.00
5.70	0.00	3,161	179.29	0.00
5.80	0.00	3,161	179.29	0.00
5.90	0.00	3,161	179.29	0.00
6.00	0.00	3,161	179.29	0.00
6.10	0.00	3,161	179.29	0.00
6.20	0.00	3,161	179.29	0.00
6.30	0.00	3,161	179.29	0.00
6.40	0.00	3,161	179.29	0.00
6.50	0.00	3,161	179.29	0.00
6.60	0.00	3,161	179.29	0.00
6.70	0.00	3,161	179.29	0.00
6.80	0.00	3,161	179.29	0.00
6.90	0.00	3,161	179.29	0.00
7.00	0.00	3,161	179.29	0.00
7.10	0.00	3,161	179.29	0.00
7.20	0.00	3,161	179.29	0.00
7.30	0.00	3,161	179.29	0.00
7.40	0.00	3,161	179.29	0.00
7.50	0.00	3,161	179.29	0.00
7.60	0.00	3,161	179.29	0.00
7.70	0.00	3,161	179.29	0.00
7.80	0.00	3,161	179.29	0.00
7.90	0.00	3,161	179.29	0.00
8.00	0.00	3,161	179.29	0.00
8.10	0.00	3,161	179.29	0.00
8.20	0.00	3,161	179.29	0.00
8.30	0.00	3,161	179.29	0.00
8.40	0.00	3,161	179.29	0.00
8.50	0.00	3,161	179.29	0.00
8.60	0.00	3,161	179.29	0.00
8.70	0.00	3,161	179.29	0.00
8.80	0.00	3,161	179.29	0.00
8.90	0.00	3,161	179.29	0.00
9.00	0.00	3,161	179.29	0.00
9.10	0.00	3,161	179.29	0.00
9.20	0.00	3,161	179.29	0.00
9.30	0.00	3,161	179.29	0.00
9.40	0.00	3,161	179.29	0.00
9.50	0.00	3,161	179.29	0.00
9.60	0.00	3,161	179.29	0.00
9.70	0.00	3,161	179.29	0.00
9.80	0.00	3,161	179.29	0.00
9.90	0.00	3,161	179.29	0.00
10.00	0.00	3,161	179.29	0.00
10.10	0.00	3,161	179.29	0.00
10.20	0.00	3,161	179.29	0.00
10.30	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3,161	179.29	0.00
10.50	0.00	3,161	179.29	0.00
10.60	0.00	3,161	179.29	0.00
10.70	0.00	3,161	179.29	0.00
10.80	0.00	3,161	179.29	0.00
10.90	0.00	3,161	179.29	0.00
11.00	0.00	3,161	179.29	0.00
11.10	0.00	3,161	179.29	0.00
11.20	0.00	3,161	179.29	0.00
11.30	0.00	3,161	179.29	0.00
11.40	0.00	3,161	179.29	0.00
11.50	0.00	3,161	179.29	0.00
11.60	0.00	3,161	179.29	0.00
11.70	0.00	3,161	179.29	0.00
11.80	0.00	3,161	179.29	0.00
11.90	0.00	3,161	179.29	0.00
12.00	0.00	3,161	179.29	0.00
12.10	0.00	3,161	179.29	0.00
12.20	0.00	3,161	179.29	0.00
12.30	0.00	3,161	179.29	0.00
12.40	0.00	3,161	179.29	0.00
12.50	0.00	3,161	179.29	0.00
12.60	0.00	3,161	179.29	0.00
12.70	0.00	3,161	179.29	0.00
12.80	0.00	3,161	179.29	0.00
12.90	0.00	3,161	179.29	0.00
13.00	0.00	3,161	179.29	0.00
13.10	0.00	3,161	179.29	0.00
13.20	0.00	3,161	179.29	0.00
13.30	0.00	3,161	179.29	0.00
13.40	0.00	3,161	179.29	0.00
13.50	0.00	3,161	179.29	0.00
13.60	0.00	3,161	179.29	0.00
13.70	0.00	3,161	179.29	0.00
13.80	0.00	3,161	179.29	0.00
13.90	0.00	3,161	179.29	0.00
14.00	0.00	3,161	179.29	0.00
14.10	0.00	3,161	179.29	0.00
14.20	0.00	3,161	179.29	0.00
14.30	0.00	3,161	179.29	0.00
14.40	0.00	3,161	179.29	0.00
14.50	0.00	3,161	179.29	0.00
14.60	0.00	3,161	179.29	0.00
14.70	0.00	3,161	179.29	0.00
14.80	0.00	3,161	179.29	0.00
14.90	0.00	3,161	179.29	0.00
15.00	0.00	3,161	179.29	0.00
15.10	0.00	3,161	179.29	0.00
15.20	0.00	3,161	179.29	0.00
15.30	0.00	3,161	179.29	0.00
15.40	0.00	3,161	179.29	0.00
15.50	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	3,161	179.29	0.00
15.70	0.00	3,161	179.29	0.00
15.80	0.00	3,161	179.29	0.00
15.90	0.00	3,161	179.29	0.00
16.00	0.00	3,161	179.29	0.00
16.10	0.00	3,161	179.29	0.00
16.20	0.00	3,161	179.29	0.00
16.30	0.00	3,161	179.29	0.00
16.40	0.00	3,161	179.29	0.00
16.50	0.00	3,161	179.29	0.00
16.60	0.00	3,161	179.29	0.00
16.70	0.00	3,161	179.29	0.00
16.80	0.00	3,161	179.29	0.00
16.90	0.00	3,161	179.29	0.00
17.00	0.00	3,161	179.29	0.00
17.10	0.00	3,161	179.29	0.00
17.20	0.00	3,161	179.29	0.00
17.30	0.00	3,161	179.29	0.00
17.40	0.00	3,161	179.29	0.00
17.50	0.00	3,161	179.29	0.00
17.60	0.00	3,161	179.29	0.00
17.70	0.00	3,161	179.29	0.00
17.80	0.00	3,161	179.29	0.00
17.90	0.00	3,161	179.29	0.00
18.00	0.00	3,161	179.29	0.00
18.10	0.00	3,161	179.29	0.00
18.20	0.00	3,161	179.29	0.00
18.30	0.00	3,161	179.29	0.00
18.40	0.00	3,161	179.29	0.00
18.50	0.00	3,161	179.29	0.00
18.60	0.00	3,161	179.29	0.00
18.70	0.00	3,161	179.29	0.00
18.80	0.00	3,161	179.29	0.00
18.90	0.00	3,161	179.29	0.00
19.00	0.00	3,161	179.29	0.00
19.10	0.00	3,161	179.29	0.00
19.20	0.00	3,161	179.29	0.00
19.30	0.00	3,161	179.29	0.00
19.40	0.00	3,161	179.29	0.00
19.50	0.00	3,161	179.29	0.00
19.60	0.00	3,161	179.29	0.00
19.70	0.00	3,161	179.29	0.00
19.80	0.00	3,161	179.29	0.00
19.90	0.00	3,161	179.29	0.00
20.00	0.00	3,161	179.29	0.00
20.10	0.00	3,161	179.29	0.00
20.20	0.00	3,161	179.29	0.00
20.30	0.00	3,161	179.29	0.00
20.40	0.00	3,161	179.29	0.00
20.50	0.00	3,161	179.29	0.00
20.60	0.00	3,161	179.29	0.00
20.70	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	3,161	179.29	0.00
20.90	0.00	3,161	179.29	0.00
21.00	0.00	3,161	179.29	0.00
21.10	0.00	3,161	179.29	0.00
21.20	0.00	3,161	179.29	0.00
21.30	0.00	3,161	179.29	0.00
21.40	0.00	3,161	179.29	0.00
21.50	0.00	3,161	179.29	0.00
21.60	0.00	3,161	179.29	0.00
21.70	0.00	3,161	179.29	0.00
21.80	0.00	3,161	179.29	0.00
21.90	0.00	3,161	179.29	0.00
22.00	0.00	3,161	179.29	0.00
22.10	0.00	3,161	179.29	0.00
22.20	0.00	3,161	179.29	0.00
22.30	0.00	3,161	179.29	0.00
22.40	0.00	3,161	179.29	0.00
22.50	0.00	3,161	179.29	0.00
22.60	0.00	3,161	179.29	0.00
22.70	0.00	3,161	179.29	0.00
22.80	0.00	3,161	179.29	0.00
22.90	0.00	3,161	179.29	0.00
23.00	0.00	3,161	179.29	0.00
23.10	0.00	3,161	179.29	0.00
23.20	0.00	3,161	179.29	0.00
23.30	0.00	3,161	179.29	0.00
23.40	0.00	3,161	179.29	0.00
23.50	0.00	3,161	179.29	0.00
23.60	0.00	3,161	179.29	0.00
23.70	0.00	3,161	179.29	0.00
23.80	0.00	3,161	179.29	0.00
23.90	0.00	3,161	179.29	0.00
24.00	0.00	3,161	179.29	0.00
24.10	0.00	3,161	179.29	0.00
24.20	0.00	3,161	179.29	0.00
24.30	0.00	3,161	179.29	0.00
24.40	0.00	3,161	179.29	0.00
24.50	0.00	3,161	179.29	0.00
24.60	0.00	3,161	179.29	0.00
24.70	0.00	3,161	179.29	0.00
24.80	0.00	3,161	179.29	0.00
24.90	0.00	3,161	179.29	0.00
25.00	0.00	3,161	179.29	0.00
25.10	0.00	3,161	179.29	0.00
25.20	0.00	3,161	179.29	0.00
25.30	0.00	3,161	179.29	0.00
25.40	0.00	3,161	179.29	0.00
25.50	0.00	3,161	179.29	0.00
25.60	0.00	3,161	179.29	0.00
25.70	0.00	3,161	179.29	0.00
25.80	0.00	3,161	179.29	0.00
25.90	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,161	179.29	0.00
26.10	0.00	3,161	179.29	0.00
26.20	0.00	3,161	179.29	0.00
26.30	0.00	3,161	179.29	0.00
26.40	0.00	3,161	179.29	0.00
26.50	0.00	3,161	179.29	0.00
26.60	0.00	3,161	179.29	0.00
26.70	0.00	3,161	179.29	0.00
26.80	0.00	3,161	179.29	0.00
26.90	0.00	3,161	179.29	0.00
27.00	0.00	3,161	179.29	0.00
27.10	0.00	3,161	179.29	0.00
27.20	0.00	3,161	179.29	0.00
27.30	0.00	3,161	179.29	0.00
27.40	0.00	3,161	179.29	0.00
27.50	0.00	3,161	179.29	0.00
27.60	0.00	3,161	179.29	0.00
27.70	0.00	3,161	179.29	0.00
27.80	0.00	3,161	179.29	0.00
27.90	0.00	3,161	179.29	0.00
28.00	0.00	3,161	179.29	0.00
28.10	0.00	3,161	179.29	0.00
28.20	0.00	3,161	179.29	0.00
28.30	0.00	3,161	179.29	0.00
28.40	0.00	3,161	179.29	0.00
28.50	0.00	3,161	179.29	0.00
28.60	0.00	3,161	179.29	0.00
28.70	0.00	3,161	179.29	0.00
28.80	0.00	3,161	179.29	0.00
28.90	0.00	3,161	179.29	0.00
29.00	0.00	3,161	179.29	0.00
29.10	0.00	3,161	179.29	0.00
29.20	0.00	3,161	179.29	0.00
29.30	0.00	3,161	179.29	0.00
29.40	0.00	3,161	179.29	0.00
29.50	0.00	3,161	179.29	0.00
29.60	0.00	3,161	179.29	0.00
29.70	0.00	3,161	179.29	0.00
29.80	0.00	3,161	179.29	0.00
29.90	0.00	3,161	179.29	0.00
30.00	0.00	3,161	179.29	0.00
30.10	0.00	3,161	179.29	0.00
30.20	0.00	3,161	179.29	0.00
30.30	0.00	3,161	179.29	0.00
30.40	0.00	3,161	179.29	0.00
30.50	0.00	3,161	179.29	0.00
30.60	0.00	3,161	179.29	0.00
30.70	0.00	3,161	179.29	0.00
30.80	0.00	3,161	179.29	0.00
30.90	0.00	3,161	179.29	0.00
31.00	0.00	3,161	179.29	0.00
31.10	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,161	179.29	0.00
31.30	0.00	3,161	179.29	0.00
31.40	0.00	3,161	179.29	0.00
31.50	0.00	3,161	179.29	0.00
31.60	0.00	3,161	179.29	0.00
31.70	0.00	3,161	179.29	0.00
31.80	0.00	3,161	179.29	0.00
31.90	0.00	3,161	179.29	0.00
32.00	0.00	3,161	179.29	0.00
32.10	0.00	3,161	179.29	0.00
32.20	0.00	3,161	179.29	0.00
32.30	0.00	3,161	179.29	0.00
32.40	0.00	3,161	179.29	0.00
32.50	0.00	3,161	179.29	0.00
32.60	0.00	3,161	179.29	0.00
32.70	0.00	3,161	179.29	0.00
32.80	0.00	3,161	179.29	0.00
32.90	0.00	3,161	179.29	0.00
33.00	0.00	3,161	179.29	0.00
33.10	0.00	3,161	179.29	0.00
33.20	0.00	3,161	179.29	0.00
33.30	0.00	3,161	179.29	0.00
33.40	0.00	3,161	179.29	0.00
33.50	0.00	3,161	179.29	0.00
33.60	0.00	3,161	179.29	0.00
33.70	0.00	3,161	179.29	0.00
33.80	0.00	3,161	179.29	0.00
33.90	0.00	3,161	179.29	0.00
34.00	0.00	3,161	179.29	0.00
34.10	0.00	3,161	179.29	0.00
34.20	0.00	3,161	179.29	0.00
34.30	0.00	3,161	179.29	0.00
34.40	0.00	3,161	179.29	0.00
34.50	0.00	3,161	179.29	0.00
34.60	0.00	3,161	179.29	0.00
34.70	0.00	3,161	179.29	0.00
34.80	0.00	3,161	179.29	0.00
34.90	0.00	3,161	179.29	0.00
35.00	0.00	3,161	179.29	0.00
35.10	0.00	3,161	179.29	0.00
35.20	0.00	3,161	179.29	0.00
35.30	0.00	3,161	179.29	0.00
35.40	0.00	3,161	179.29	0.00
35.50	0.00	3,161	179.29	0.00
35.60	0.00	3,161	179.29	0.00
35.70	0.00	3,161	179.29	0.00
35.80	0.00	3,161	179.29	0.00
35.90	0.00	3,161	179.29	0.00
36.00	0.00	3,161	179.29	0.00
36.10	0.00	3,161	179.29	0.00
36.20	0.00	3,161	179.29	0.00
36.30	0.00	3,161	179.29	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,161	179.29	0.00
36.50	0.00	3,161	179.29	0.00
36.60	0.00	3,161	179.29	0.00
36.70	0.00	3,161	179.29	0.00
36.80	0.00	3,161	179.29	0.00
36.90	0.00	3,161	179.29	0.00
37.00	0.00	3,161	179.29	0.00
37.10	0.00	3,161	179.29	0.00
37.20	0.00	3,161	179.29	0.00
37.30	0.00	3,161	179.29	0.00
37.40	0.00	3,161	179.29	0.00
37.50	0.00	3,161	179.29	0.00
37.60	0.00	3,161	179.29	0.00
37.70	0.00	3,161	179.29	0.00
37.80	0.00	3,161	179.29	0.00
37.90	0.00	3,161	179.29	0.00
38.00	0.00	3,161	179.29	0.00
38.10	0.00	3,161	179.29	0.00
38.20	0.00	3,161	179.29	0.00
38.30	0.00	3,161	179.29	0.00
38.40	0.00	3,161	179.29	0.00
38.50	0.00	3,161	179.29	0.00
38.60	0.00	3,161	179.29	0.00
38.70	0.00	3,161	179.29	0.00
38.80	0.00	3,161	179.29	0.00
38.90	0.00	3,161	179.29	0.00
39.00	0.00	3,161	179.29	0.00
39.10	0.00	3,161	179.29	0.00
39.20	0.00	3,161	179.29	0.00
39.30	0.00	3,161	179.29	0.00
39.40	0.00	3,161	179.29	0.00
39.50	0.00	3,161	179.29	0.00
39.60	0.00	3,161	179.29	0.00
39.70	0.00	3,161	179.29	0.00
39.80	0.00	3,161	179.29	0.00
39.90	0.00	3,161	179.29	0.00
40.00	0.00	3,161	179.29	0.00

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679	180.56	12,264	17,920
180.05	11,750	11,796	180.57	12,275	18,043
180.06	11,760	11,914	180.58	12,285	18,166
180.07	11,771	12,031	180.59	12,295	18,288
180.08	11,781	12,149	180.60	12,305	18,411
180.09	11,791	12,267	180.61	12,315	18,535
180.10	11,801	12,385	180.62	12,325	18,658
180.11	11,811	12,503	180.63	12,335	18,781
180.12	11,821	12,621	180.64	12,345	18,904
180.13	11,831	12,740	180.65	12,355	19,028
180.14	11,841	12,858	180.66	12,365	19,152
180.15	11,851	12,976	180.67	12,375	19,275
180.16	11,861	13,095	180.68	12,385	19,399
180.17	11,871	13,214	180.69	12,396	19,523
180.18	11,881	13,332	180.70	12,406	19,647
180.19	11,892	13,451	180.71	12,416	19,771
180.20	11,902	13,570	180.72	12,426	19,895
180.21	11,912	13,689	180.73	12,436	20,020
180.22	11,922	13,808	180.74	12,446	20,144
180.23	11,932	13,928	180.75	12,456	20,269
180.24	11,942	14,047	180.76	12,466	20,393
180.25	11,952	14,167	180.77	12,476	20,518
180.26	11,962	14,286	180.78	12,486	20,643
180.27	11,972	14,406	180.79	12,496	20,768
180.28	11,982	14,526	180.80	12,506	20,893
180.29	11,992	14,645	180.81	12,516	21,018
180.30	12,002	14,765	180.82	12,527	21,143
180.31	12,012	14,885	180.83	12,537	21,268
180.32	12,023	15,006	180.84	12,547	21,394
180.33	12,033	15,126	180.85	12,557	21,519
180.34	12,043	15,246	180.86	12,567	21,645
180.35	12,053	15,367	180.87	12,577	21,770
180.36	12,063	15,487	180.88	12,587	21,896
180.37	12,073	15,608	180.89	12,597	22,022
180.38	12,083	15,729	180.90	12,607	22,148
180.39	12,093	15,850	180.91	12,617	22,274
180.40	12,103	15,971	180.92	12,627	22,401
180.41	12,113	16,092	180.93	12,637	22,527
180.42	12,123	16,213	180.94	12,648	22,653
180.43	12,133	16,334	180.95	12,658	22,780
180.44	12,144	16,456	180.96	12,668	22,906
180.45	12,154	16,577	180.97	12,678	23,033
180.46	12,164	16,699	180.98	12,688	23,160
180.47	12,174	16,820	180.99	12,698	23,287
180.48	12,184	16,942	181.00	12,708	23,414
180.49	12,194	17,064	181.01	12,718	23,541
180.50	12,204	17,186	181.02	12,729	23,668
180.51	12,214	17,308	181.03	12,739	23,796
180.52	12,224	17,430	181.04	12,749	23,923
180.53	12,234	17,553	181.05	12,760	24,051
180.54	12,244	17,675	181.06	12,770	24,178
180.55	12,254	17,797	181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

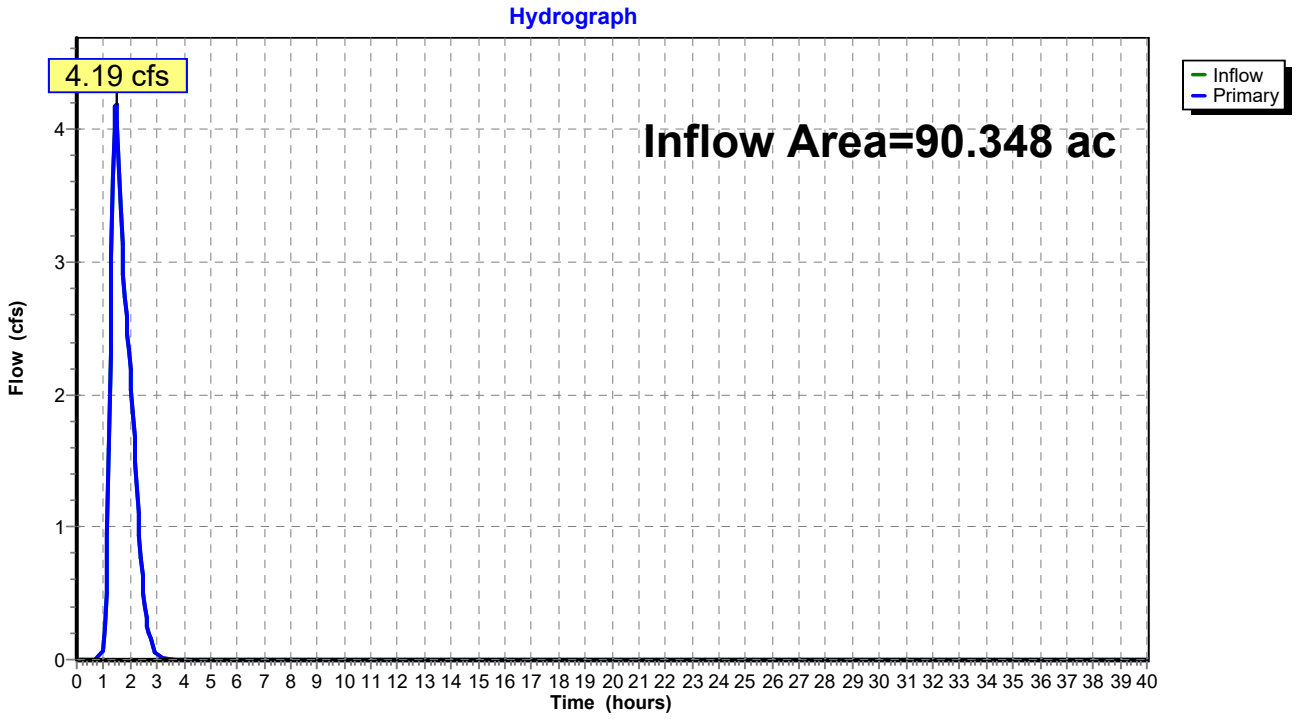
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth = 0.04" for WQ Storm event
Inflow = 4.19 cfs @ 1.47 hrs, Volume= 0.284 af
Primary = 4.19 cfs @ 1.47 hrs, Volume= 0.284 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.32	0.00	0.32
0.05	0.00	0.00	0.00	2.65	0.25	0.00	0.25
0.10	0.00	0.00	0.00	2.70	0.20	0.00	0.20
0.15	0.00	0.00	0.00	2.75	0.16	0.00	0.16
0.20	0.00	0.00	0.00	2.80	0.12	0.00	0.12
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.06	0.00	0.06
0.40	0.00	0.00	0.00	3.00	0.05	0.00	0.05
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.01	0.00	0.01
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.01	0.00	0.01	3.50	0.00	0.00	0.00
0.95	0.03	0.00	0.03	3.55	0.00	0.00	0.00
1.00	0.09	0.00	0.09	3.60	0.00	0.00	0.00
1.05	0.23	0.00	0.23	3.65	0.00	0.00	0.00
1.10	0.51	0.00	0.51	3.70	0.00	0.00	0.00
1.15	0.96	0.00	0.96	3.75	0.00	0.00	0.00
1.20	1.59	0.00	1.59	3.80	0.00	0.00	0.00
1.25	2.32	0.00	2.32	3.85	0.00	0.00	0.00
1.30	3.04	0.00	3.04	3.90	0.00	0.00	0.00
1.35	3.63	0.00	3.63	3.95	0.00	0.00	0.00
1.40	4.01	0.00	4.01	4.00	0.00	0.00	0.00
1.45	**4.18**	0.00	**4.18**	4.05	0.00	0.00	0.00
1.50	4.15	0.00	4.15	4.10	0.00	0.00	0.00
1.55	3.96	0.00	3.96	4.15	0.00	0.00	0.00
1.60	3.69	0.00	3.69	4.20	0.00	0.00	0.00
1.65	3.40	0.00	3.40	4.25	0.00	0.00	0.00
1.70	3.13	0.00	3.13	4.30	0.00	0.00	0.00
1.75	2.91	0.00	2.91	4.35	0.00	0.00	0.00
1.80	2.74	0.00	2.74	4.40	0.00	0.00	0.00
1.85	2.59	0.00	2.59	4.45	0.00	0.00	0.00
1.90	2.46	0.00	2.46	4.50	0.00	0.00	0.00
1.95	2.34	0.00	2.34	4.55	0.00	0.00	0.00
2.00	2.20	0.00	2.20	4.60	0.00	0.00	0.00
2.05	2.04	0.00	2.04	4.65	0.00	0.00	0.00
2.10	1.86	0.00	1.86	4.70	0.00	0.00	0.00
2.15	1.68	0.00	1.68	4.75	0.00	0.00	0.00
2.20	1.49	0.00	1.49	4.80	0.00	0.00	0.00
2.25	1.30	0.00	1.30	4.85	0.00	0.00	0.00
2.30	1.11	0.00	1.11	4.90	0.00	0.00	0.00
2.35	0.93	0.00	0.93	4.95	0.00	0.00	0.00
2.40	0.77	0.00	0.77	5.00	0.00	0.00	0.00
2.45	0.63	0.00	0.63	5.05	0.00	0.00	0.00
2.50	0.51	0.00	0.51	5.10	0.00	0.00	0.00
2.55	0.40	0.00	0.40	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

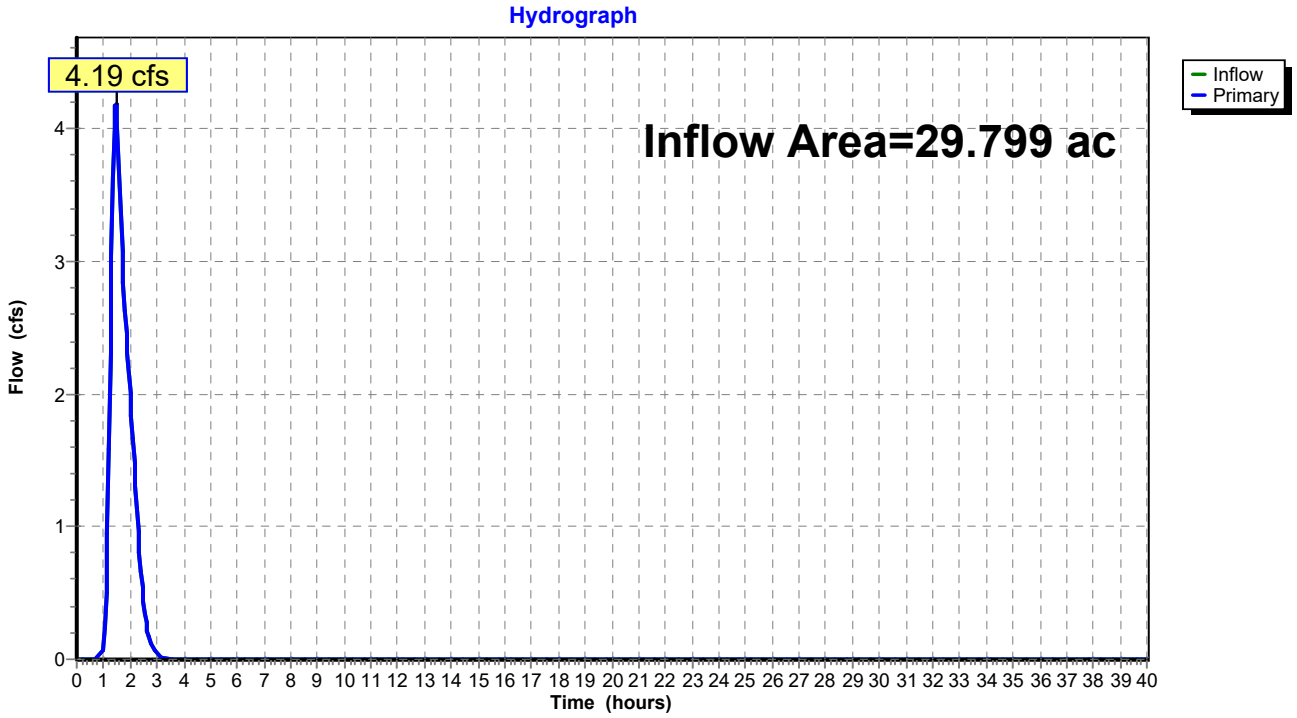
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 0.11" for WQ Storm event
Inflow = 4.19 cfs @ 1.47 hrs, Volume= 0.271 af
Primary = 4.19 cfs @ 1.47 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.27	0.00	0.27
0.05	0.00	0.00	0.00	2.65	0.22	0.00	0.22
0.10	0.00	0.00	0.00	2.70	0.17	0.00	0.17
0.15	0.00	0.00	0.00	2.75	0.13	0.00	0.13
0.20	0.00	0.00	0.00	2.80	0.10	0.00	0.10
0.25	0.00	0.00	0.00	2.85	0.08	0.00	0.08
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.05	0.00	0.05
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.01	0.00	0.01
0.75	0.00	0.00	0.00	3.35	0.01	0.00	0.01
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.01	0.00	0.01	3.50	0.00	0.00	0.00
0.95	0.03	0.00	0.03	3.55	0.00	0.00	0.00
1.00	0.09	0.00	0.09	3.60	0.00	0.00	0.00
1.05	0.23	0.00	0.23	3.65	0.00	0.00	0.00
1.10	0.51	0.00	0.51	3.70	0.00	0.00	0.00
1.15	0.96	0.00	0.96	3.75	0.00	0.00	0.00
1.20	1.59	0.00	1.59	3.80	0.00	0.00	0.00
1.25	2.32	0.00	2.32	3.85	0.00	0.00	0.00
1.30	3.04	0.00	3.04	3.90	0.00	0.00	0.00
1.35	3.63	0.00	3.63	3.95	0.00	0.00	0.00
1.40	4.01	0.00	4.01	4.00	0.00	0.00	0.00
1.45	**4.18**	0.00	**4.18**	4.05	0.00	0.00	0.00
1.50	4.14	0.00	4.14	4.10	0.00	0.00	0.00
1.55	3.95	0.00	3.95	4.15	0.00	0.00	0.00
1.60	3.67	0.00	3.67	4.20	0.00	0.00	0.00
1.65	3.36	0.00	3.36	4.25	0.00	0.00	0.00
1.70	3.08	0.00	3.08	4.30	0.00	0.00	0.00
1.75	2.84	0.00	2.84	4.35	0.00	0.00	0.00
1.80	2.63	0.00	2.63	4.40	0.00	0.00	0.00
1.85	2.46	0.00	2.46	4.45	0.00	0.00	0.00
1.90	2.31	0.00	2.31	4.50	0.00	0.00	0.00
1.95	2.16	0.00	2.16	4.55	0.00	0.00	0.00
2.00	2.00	0.00	2.00	4.60	0.00	0.00	0.00
2.05	1.84	0.00	1.84	4.65	0.00	0.00	0.00
2.10	1.66	0.00	1.66	4.70	0.00	0.00	0.00
2.15	1.48	0.00	1.48	4.75	0.00	0.00	0.00
2.20	1.31	0.00	1.31	4.80	0.00	0.00	0.00
2.25	1.13	0.00	1.13	4.85	0.00	0.00	0.00
2.30	0.96	0.00	0.96	4.90	0.00	0.00	0.00
2.35	0.81	0.00	0.81	4.95	0.00	0.00	0.00
2.40	0.66	0.00	0.66	5.00	0.00	0.00	0.00
2.45	0.54	0.00	0.54	5.05	0.00	0.00	0.00
2.50	0.44	0.00	0.44	5.10	0.00	0.00	0.00
2.55	0.35	0.00	0.35	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

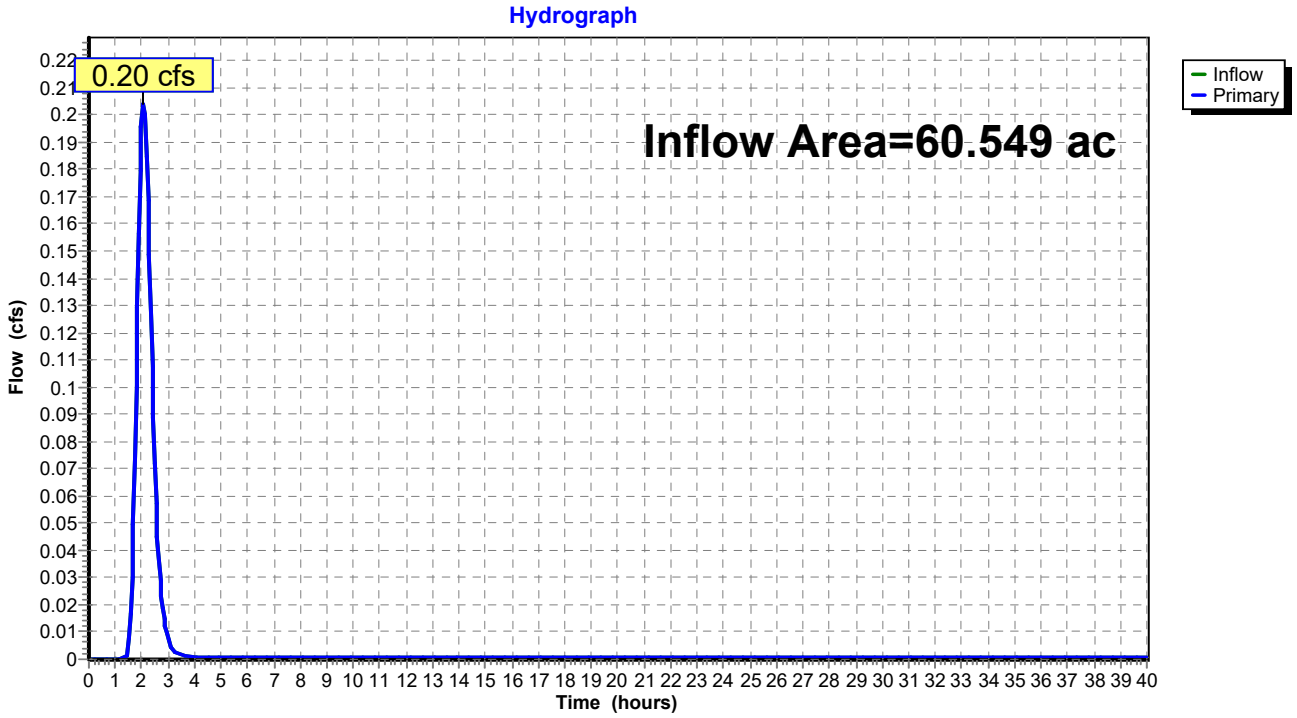
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 0.00" for WQ Storm event
Inflow = 0.20 cfs @ 2.08 hrs, Volume= 0.013 af
Primary = 0.20 cfs @ 2.08 hrs, Volume= 0.013 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.05	0.00	0.05
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.01	0.00	0.01	4.15	0.00	0.00	0.00
1.60	0.02	0.00	0.02	4.20	0.00	0.00	0.00
1.65	0.03	0.00	0.03	4.25	0.00	0.00	0.00
1.70	0.05	0.00	0.05	4.30	0.00	0.00	0.00
1.75	0.07	0.00	0.07	4.35	0.00	0.00	0.00
1.80	0.10	0.00	0.10	4.40	0.00	0.00	0.00
1.85	0.13	0.00	0.13	4.45	0.00	0.00	0.00
1.90	0.16	0.00	0.16	4.50	0.00	0.00	0.00
1.95	0.18	0.00	0.18	4.55	0.00	0.00	0.00
2.00	0.20	0.00	0.20	4.60	0.00	0.00	0.00
2.05	0.20	0.00	0.20	4.65	0.00	0.00	0.00
2.10	**0.20**	0.00	**0.20**	4.70	0.00	0.00	0.00
2.15	0.20	0.00	0.20	4.75	0.00	0.00	0.00
2.20	0.19	0.00	0.19	4.80	0.00	0.00	0.00
2.25	0.17	0.00	0.17	4.85	0.00	0.00	0.00
2.30	0.15	0.00	0.15	4.90	0.00	0.00	0.00
2.35	0.13	0.00	0.13	4.95	0.00	0.00	0.00
2.40	0.11	0.00	0.11	5.00	0.00	0.00	0.00
2.45	0.09	0.00	0.09	5.05	0.00	0.00	0.00
2.50	0.07	0.00	0.07	5.10	0.00	0.00	0.00
2.55	0.06	0.00	0.06	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment 1I: PDA-1 (impervious)

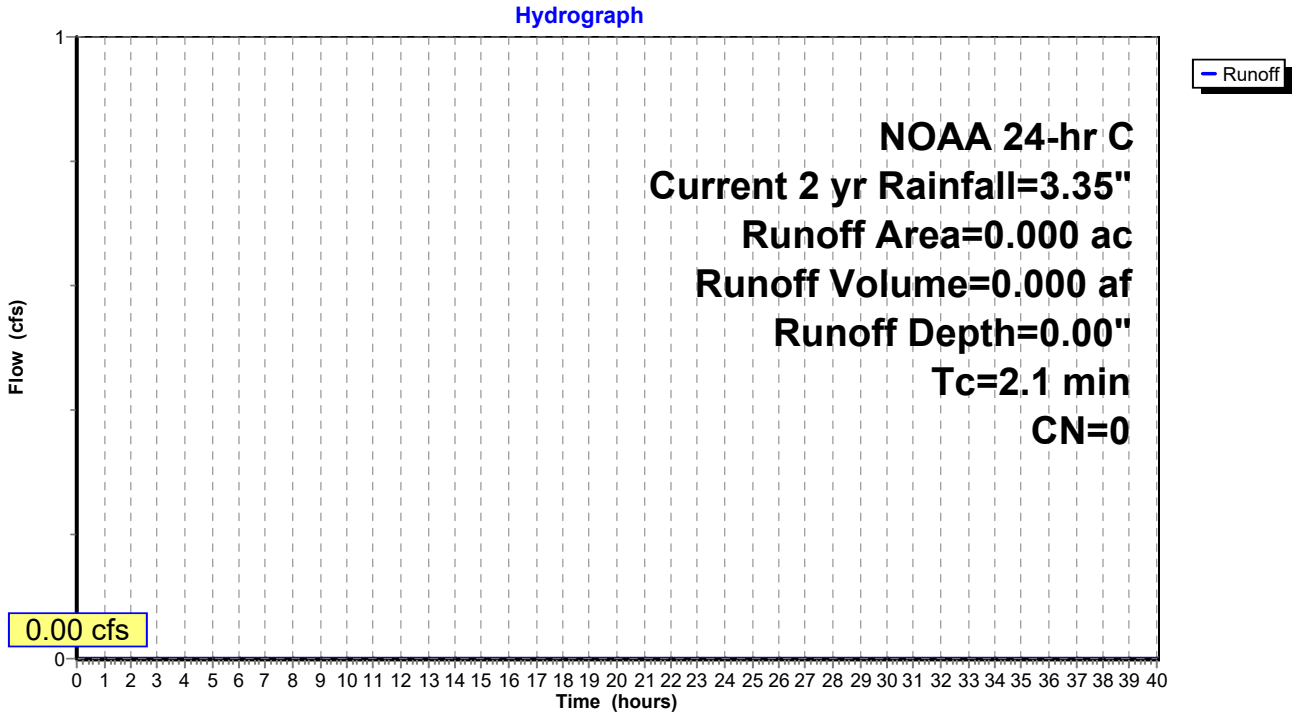
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.00	0.00
10.45	0.68	0.00	0.00	13.05	2.56	0.00	0.00
10.50	0.69	0.00	0.00	13.10	2.57	0.00	0.00
10.55	0.70	0.00	0.00	13.15	2.58	0.00	0.00
10.60	0.71	0.00	0.00	13.20	2.60	0.00	0.00
10.65	0.72	0.00	0.00	13.25	2.61	0.00	0.00
10.70	0.73	0.00	0.00	13.30	2.62	0.00	0.00
10.75	0.74	0.00	0.00	13.35	2.63	0.00	0.00
10.80	0.75	0.00	0.00	13.40	2.64	0.00	0.00
10.85	0.77	0.00	0.00	13.45	2.65	0.00	0.00
10.90	0.78	0.00	0.00	13.50	2.66	0.00	0.00
10.95	0.79	0.00	0.00	13.55	2.67	0.00	0.00
11.00	0.80	0.00	0.00	13.60	2.68	0.00	0.00
11.05	0.82	0.00	0.00	13.65	2.68	0.00	0.00
11.10	0.83	0.00	0.00	13.70	2.69	0.00	0.00
11.15	0.85	0.00	0.00	13.75	2.70	0.00	0.00
11.20	0.87	0.00	0.00	13.80	2.71	0.00	0.00
11.25	0.89	0.00	0.00	13.85	2.72	0.00	0.00
11.30	0.91	0.00	0.00	13.90	2.72	0.00	0.00
11.35	0.93	0.00	0.00	13.95	2.73	0.00	0.00
11.40	0.95	0.00	0.00	14.00	2.74	0.00	0.00
11.45	0.97	0.00	0.00	14.05	2.75	0.00	0.00
11.50	0.99	0.00	0.00	14.10	2.75	0.00	0.00
11.55	1.02	0.00	0.00	14.15	2.76	0.00	0.00
11.60	1.06	0.00	0.00	14.20	2.77	0.00	0.00
11.65	1.09	0.00	0.00	14.25	2.77	0.00	0.00
11.70	1.13	0.00	0.00	14.30	2.78	0.00	0.00
11.75	1.18	0.00	0.00	14.35	2.79	0.00	0.00
11.80	1.23	0.00	0.00	14.40	2.79	0.00	0.00
11.85	1.29	0.00	0.00	14.45	2.80	0.00	0.00
11.90	1.36	0.00	0.00	14.50	2.81	0.00	0.00
11.95	1.48	0.00	0.00	14.55	2.81	0.00	0.00
12.00	1.60	0.00	0.00	14.60	2.82	0.00	0.00
12.05	1.79	0.00	0.00	14.65	2.82	0.00	0.00
12.10	1.99	0.00	0.00	14.70	2.83	0.00	0.00
12.15	2.06	0.00	0.00	14.75	2.84	0.00	0.00
12.20	2.12	0.00	0.00	14.80	2.84	0.00	0.00
12.25	2.17	0.00	0.00	14.85	2.85	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.26	0.00	0.00	14.95	2.86	0.00	0.00
12.40	2.29	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.33	0.00	0.00	15.05	2.87	0.00	0.00
12.50	2.36	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.38	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.40	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.42	0.00	0.00	15.25	2.88	0.00	0.00
12.70	2.44	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.46	0.00	0.00	15.35	2.89	0.00	0.00
12.80	2.48	0.00	0.00	15.40	2.90	0.00	0.00
12.85	2.50	0.00	0.00	15.45	2.90	0.00	0.00
12.90	2.52	0.00	0.00	15.50	2.91	0.00	0.00
12.95	2.53	0.00	0.00	15.55	2.91	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.00	0.00	18.20	3.10	0.00	0.00
15.65	2.92	0.00	0.00	18.25	3.10	0.00	0.00
15.70	2.92	0.00	0.00	18.30	3.10	0.00	0.00
15.75	2.93	0.00	0.00	18.35	3.10	0.00	0.00
15.80	2.93	0.00	0.00	18.40	3.11	0.00	0.00
15.85	2.94	0.00	0.00	18.45	3.11	0.00	0.00
15.90	2.94	0.00	0.00	18.50	3.11	0.00	0.00
15.95	2.94	0.00	0.00	18.55	3.11	0.00	0.00
16.00	2.95	0.00	0.00	18.60	3.12	0.00	0.00
16.05	2.95	0.00	0.00	18.65	3.12	0.00	0.00
16.10	2.96	0.00	0.00	18.70	3.12	0.00	0.00
16.15	2.96	0.00	0.00	18.75	3.12	0.00	0.00
16.20	2.96	0.00	0.00	18.80	3.13	0.00	0.00
16.25	2.97	0.00	0.00	18.85	3.13	0.00	0.00
16.30	2.97	0.00	0.00	18.90	3.13	0.00	0.00
16.35	2.98	0.00	0.00	18.95	3.13	0.00	0.00
16.40	2.98	0.00	0.00	19.00	3.14	0.00	0.00
16.45	2.98	0.00	0.00	19.05	3.14	0.00	0.00
16.50	2.99	0.00	0.00	19.10	3.14	0.00	0.00
16.55	2.99	0.00	0.00	19.15	3.14	0.00	0.00
16.60	3.00	0.00	0.00	19.20	3.15	0.00	0.00
16.65	3.00	0.00	0.00	19.25	3.15	0.00	0.00
16.70	3.00	0.00	0.00	19.30	3.15	0.00	0.00
16.75	3.01	0.00	0.00	19.35	3.15	0.00	0.00
16.80	3.01	0.00	0.00	19.40	3.16	0.00	0.00
16.85	3.01	0.00	0.00	19.45	3.16	0.00	0.00
16.90	3.02	0.00	0.00	19.50	3.16	0.00	0.00
16.95	3.02	0.00	0.00	19.55	3.16	0.00	0.00
17.00	3.02	0.00	0.00	19.60	3.17	0.00	0.00
17.05	3.03	0.00	0.00	19.65	3.17	0.00	0.00
17.10	3.03	0.00	0.00	19.70	3.17	0.00	0.00
17.15	3.03	0.00	0.00	19.75	3.17	0.00	0.00
17.20	3.04	0.00	0.00	19.80	3.18	0.00	0.00
17.25	3.04	0.00	0.00	19.85	3.18	0.00	0.00
17.30	3.04	0.00	0.00	19.90	3.18	0.00	0.00
17.35	3.05	0.00	0.00	19.95	3.18	0.00	0.00
17.40	3.05	0.00	0.00	20.00	3.19	0.00	0.00
17.45	3.05	0.00	0.00	20.05	3.19	0.00	0.00
17.50	3.06	0.00	0.00	20.10	3.19	0.00	0.00
17.55	3.06	0.00	0.00	20.15	3.19	0.00	0.00
17.60	3.06	0.00	0.00	20.20	3.20	0.00	0.00
17.65	3.06	0.00	0.00	20.25	3.20	0.00	0.00
17.70	3.07	0.00	0.00	20.30	3.20	0.00	0.00
17.75	3.07	0.00	0.00	20.35	3.20	0.00	0.00
17.80	3.07	0.00	0.00	20.40	3.20	0.00	0.00
17.85	3.08	0.00	0.00	20.45	3.21	0.00	0.00
17.90	3.08	0.00	0.00	20.50	3.21	0.00	0.00
17.95	3.08	0.00	0.00	20.55	3.21	0.00	0.00
18.00	3.08	0.00	0.00	20.60	3.21	0.00	0.00
18.05	3.09	0.00	0.00	20.65	3.22	0.00	0.00
18.10	3.09	0.00	0.00	20.70	3.22	0.00	0.00
18.15	3.09	0.00	0.00	20.75	3.22	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.00	0.00	23.40	3.33	0.00	0.00
20.85	3.23	0.00	0.00	23.45	3.33	0.00	0.00
20.90	3.23	0.00	0.00	23.50	3.33	0.00	0.00
20.95	3.23	0.00	0.00	23.55	3.33	0.00	0.00
21.00	3.23	0.00	0.00	23.60	3.34	0.00	0.00
21.05	3.23	0.00	0.00	23.65	3.34	0.00	0.00
21.10	3.24	0.00	0.00	23.70	3.34	0.00	0.00
21.15	3.24	0.00	0.00	23.75	3.34	0.00	0.00
21.20	3.24	0.00	0.00	23.80	3.34	0.00	0.00
21.25	3.24	0.00	0.00	23.85	3.34	0.00	0.00
21.30	3.24	0.00	0.00	23.90	3.35	0.00	0.00
21.35	3.25	0.00	0.00	23.95	3.35	0.00	0.00
21.40	3.25	0.00	0.00	24.00	**3.35**	0.00	0.00
21.45	3.25	0.00	0.00	24.05	3.35	0.00	0.00
21.50	3.25	0.00	0.00	24.10	3.35	0.00	0.00
21.55	3.26	0.00	0.00	24.15	3.35	0.00	0.00
21.60	3.26	0.00	0.00	24.20	3.35	0.00	0.00
21.65	3.26	0.00	0.00	24.25	3.35	0.00	0.00
21.70	3.26	0.00	0.00	24.30	3.35	0.00	0.00
21.75	3.26	0.00	0.00	24.35	3.35	0.00	0.00
21.80	3.27	0.00	0.00	24.40	3.35	0.00	0.00
21.85	3.27	0.00	0.00	24.45	3.35	0.00	0.00
21.90	3.27	0.00	0.00	24.50	3.35	0.00	0.00
21.95	3.27	0.00	0.00	24.55	3.35	0.00	0.00
22.00	3.27	0.00	0.00	24.60	3.35	0.00	0.00
22.05	3.28	0.00	0.00	24.65	3.35	0.00	0.00
22.10	3.28	0.00	0.00	24.70	3.35	0.00	0.00
22.15	3.28	0.00	0.00	24.75	3.35	0.00	0.00
22.20	3.28	0.00	0.00	24.80	3.35	0.00	0.00
22.25	3.28	0.00	0.00	24.85	3.35	0.00	0.00
22.30	3.29	0.00	0.00	24.90	3.35	0.00	0.00
22.35	3.29	0.00	0.00	24.95	3.35	0.00	0.00
22.40	3.29	0.00	0.00	25.00	3.35	0.00	0.00
22.45	3.29	0.00	0.00	25.05	3.35	0.00	0.00
22.50	3.29	0.00	0.00	25.10	3.35	0.00	0.00
22.55	3.30	0.00	0.00	25.15	3.35	0.00	0.00
22.60	3.30	0.00	0.00	25.20	3.35	0.00	0.00
22.65	3.30	0.00	0.00	25.25	3.35	0.00	0.00
22.70	3.30	0.00	0.00	25.30	3.35	0.00	0.00
22.75	3.30	0.00	0.00	25.35	3.35	0.00	0.00
22.80	3.31	0.00	0.00	25.40	3.35	0.00	0.00
22.85	3.31	0.00	0.00	25.45	3.35	0.00	0.00
22.90	3.31	0.00	0.00	25.50	3.35	0.00	0.00
22.95	3.31	0.00	0.00	25.55	3.35	0.00	0.00
23.00	3.31	0.00	0.00	25.60	3.35	0.00	0.00
23.05	3.32	0.00	0.00	25.65	3.35	0.00	0.00
23.10	3.32	0.00	0.00	25.70	3.35	0.00	0.00
23.15	3.32	0.00	0.00	25.75	3.35	0.00	0.00
23.20	3.32	0.00	0.00	25.80	3.35	0.00	0.00
23.25	3.32	0.00	0.00	25.85	3.35	0.00	0.00
23.30	3.32	0.00	0.00	25.90	3.35	0.00	0.00
23.35	3.33	0.00	0.00	25.95	3.35	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.00	0.00	28.60	3.35	0.00	0.00
26.05	3.35	0.00	0.00	28.65	3.35	0.00	0.00
26.10	3.35	0.00	0.00	28.70	3.35	0.00	0.00
26.15	3.35	0.00	0.00	28.75	3.35	0.00	0.00
26.20	3.35	0.00	0.00	28.80	3.35	0.00	0.00
26.25	3.35	0.00	0.00	28.85	3.35	0.00	0.00
26.30	3.35	0.00	0.00	28.90	3.35	0.00	0.00
26.35	3.35	0.00	0.00	28.95	3.35	0.00	0.00
26.40	3.35	0.00	0.00	29.00	3.35	0.00	0.00
26.45	3.35	0.00	0.00	29.05	3.35	0.00	0.00
26.50	3.35	0.00	0.00	29.10	3.35	0.00	0.00
26.55	3.35	0.00	0.00	29.15	3.35	0.00	0.00
26.60	3.35	0.00	0.00	29.20	3.35	0.00	0.00
26.65	3.35	0.00	0.00	29.25	3.35	0.00	0.00
26.70	3.35	0.00	0.00	29.30	3.35	0.00	0.00
26.75	3.35	0.00	0.00	29.35	3.35	0.00	0.00
26.80	3.35	0.00	0.00	29.40	3.35	0.00	0.00
26.85	3.35	0.00	0.00	29.45	3.35	0.00	0.00
26.90	3.35	0.00	0.00	29.50	3.35	0.00	0.00
26.95	3.35	0.00	0.00	29.55	3.35	0.00	0.00
27.00	3.35	0.00	0.00	29.60	3.35	0.00	0.00
27.05	3.35	0.00	0.00	29.65	3.35	0.00	0.00
27.10	3.35	0.00	0.00	29.70	3.35	0.00	0.00
27.15	3.35	0.00	0.00	29.75	3.35	0.00	0.00
27.20	3.35	0.00	0.00	29.80	3.35	0.00	0.00
27.25	3.35	0.00	0.00	29.85	3.35	0.00	0.00
27.30	3.35	0.00	0.00	29.90	3.35	0.00	0.00
27.35	3.35	0.00	0.00	29.95	3.35	0.00	0.00
27.40	3.35	0.00	0.00	30.00	3.35	0.00	0.00
27.45	3.35	0.00	0.00	30.05	3.35	0.00	0.00
27.50	3.35	0.00	0.00	30.10	3.35	0.00	0.00
27.55	3.35	0.00	0.00	30.15	3.35	0.00	0.00
27.60	3.35	0.00	0.00	30.20	3.35	0.00	0.00
27.65	3.35	0.00	0.00	30.25	3.35	0.00	0.00
27.70	3.35	0.00	0.00	30.30	3.35	0.00	0.00
27.75	3.35	0.00	0.00	30.35	3.35	0.00	0.00
27.80	3.35	0.00	0.00	30.40	3.35	0.00	0.00
27.85	3.35	0.00	0.00	30.45	3.35	0.00	0.00
27.90	3.35	0.00	0.00	30.50	3.35	0.00	0.00
27.95	3.35	0.00	0.00	30.55	3.35	0.00	0.00
28.00	3.35	0.00	0.00	30.60	3.35	0.00	0.00
28.05	3.35	0.00	0.00	30.65	3.35	0.00	0.00
28.10	3.35	0.00	0.00	30.70	3.35	0.00	0.00
28.15	3.35	0.00	0.00	30.75	3.35	0.00	0.00
28.20	3.35	0.00	0.00	30.80	3.35	0.00	0.00
28.25	3.35	0.00	0.00	30.85	3.35	0.00	0.00
28.30	3.35	0.00	0.00	30.90	3.35	0.00	0.00
28.35	3.35	0.00	0.00	30.95	3.35	0.00	0.00
28.40	3.35	0.00	0.00	31.00	3.35	0.00	0.00
28.45	3.35	0.00	0.00	31.05	3.35	0.00	0.00
28.50	3.35	0.00	0.00	31.10	3.35	0.00	0.00
28.55	3.35	0.00	0.00	31.15	3.35	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.00	0.00	33.80	3.35	0.00	0.00
31.25	3.35	0.00	0.00	33.85	3.35	0.00	0.00
31.30	3.35	0.00	0.00	33.90	3.35	0.00	0.00
31.35	3.35	0.00	0.00	33.95	3.35	0.00	0.00
31.40	3.35	0.00	0.00	34.00	3.35	0.00	0.00
31.45	3.35	0.00	0.00	34.05	3.35	0.00	0.00
31.50	3.35	0.00	0.00	34.10	3.35	0.00	0.00
31.55	3.35	0.00	0.00	34.15	3.35	0.00	0.00
31.60	3.35	0.00	0.00	34.20	3.35	0.00	0.00
31.65	3.35	0.00	0.00	34.25	3.35	0.00	0.00
31.70	3.35	0.00	0.00	34.30	3.35	0.00	0.00
31.75	3.35	0.00	0.00	34.35	3.35	0.00	0.00
31.80	3.35	0.00	0.00	34.40	3.35	0.00	0.00
31.85	3.35	0.00	0.00	34.45	3.35	0.00	0.00
31.90	3.35	0.00	0.00	34.50	3.35	0.00	0.00
31.95	3.35	0.00	0.00	34.55	3.35	0.00	0.00
32.00	3.35	0.00	0.00	34.60	3.35	0.00	0.00
32.05	3.35	0.00	0.00	34.65	3.35	0.00	0.00
32.10	3.35	0.00	0.00	34.70	3.35	0.00	0.00
32.15	3.35	0.00	0.00	34.75	3.35	0.00	0.00
32.20	3.35	0.00	0.00	34.80	3.35	0.00	0.00
32.25	3.35	0.00	0.00	34.85	3.35	0.00	0.00
32.30	3.35	0.00	0.00	34.90	3.35	0.00	0.00
32.35	3.35	0.00	0.00	34.95	3.35	0.00	0.00
32.40	3.35	0.00	0.00	35.00	3.35	0.00	0.00
32.45	3.35	0.00	0.00	35.05	3.35	0.00	0.00
32.50	3.35	0.00	0.00	35.10	3.35	0.00	0.00
32.55	3.35	0.00	0.00	35.15	3.35	0.00	0.00
32.60	3.35	0.00	0.00	35.20	3.35	0.00	0.00
32.65	3.35	0.00	0.00	35.25	3.35	0.00	0.00
32.70	3.35	0.00	0.00	35.30	3.35	0.00	0.00
32.75	3.35	0.00	0.00	35.35	3.35	0.00	0.00
32.80	3.35	0.00	0.00	35.40	3.35	0.00	0.00
32.85	3.35	0.00	0.00	35.45	3.35	0.00	0.00
32.90	3.35	0.00	0.00	35.50	3.35	0.00	0.00
32.95	3.35	0.00	0.00	35.55	3.35	0.00	0.00
33.00	3.35	0.00	0.00	35.60	3.35	0.00	0.00
33.05	3.35	0.00	0.00	35.65	3.35	0.00	0.00
33.10	3.35	0.00	0.00	35.70	3.35	0.00	0.00
33.15	3.35	0.00	0.00	35.75	3.35	0.00	0.00
33.20	3.35	0.00	0.00	35.80	3.35	0.00	0.00
33.25	3.35	0.00	0.00	35.85	3.35	0.00	0.00
33.30	3.35	0.00	0.00	35.90	3.35	0.00	0.00
33.35	3.35	0.00	0.00	35.95	3.35	0.00	0.00
33.40	3.35	0.00	0.00	36.00	3.35	0.00	0.00
33.45	3.35	0.00	0.00	36.05	3.35	0.00	0.00
33.50	3.35	0.00	0.00	36.10	3.35	0.00	0.00
33.55	3.35	0.00	0.00	36.15	3.35	0.00	0.00
33.60	3.35	0.00	0.00	36.20	3.35	0.00	0.00
33.65	3.35	0.00	0.00	36.25	3.35	0.00	0.00
33.70	3.35	0.00	0.00	36.30	3.35	0.00	0.00
33.75	3.35	0.00	0.00	36.35	3.35	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.00	0.00
36.45	3.35	0.00	0.00
36.50	3.35	0.00	0.00
36.55	3.35	0.00	0.00
36.60	3.35	0.00	0.00
36.65	3.35	0.00	0.00
36.70	3.35	0.00	0.00
36.75	3.35	0.00	0.00
36.80	3.35	0.00	0.00
36.85	3.35	0.00	0.00
36.90	3.35	0.00	0.00
36.95	3.35	0.00	0.00
37.00	3.35	0.00	0.00
37.05	3.35	0.00	0.00
37.10	3.35	0.00	0.00
37.15	3.35	0.00	0.00
37.20	3.35	0.00	0.00
37.25	3.35	0.00	0.00
37.30	3.35	0.00	0.00
37.35	3.35	0.00	0.00
37.40	3.35	0.00	0.00
37.45	3.35	0.00	0.00
37.50	3.35	0.00	0.00
37.55	3.35	0.00	0.00
37.60	3.35	0.00	0.00
37.65	3.35	0.00	0.00
37.70	3.35	0.00	0.00
37.75	3.35	0.00	0.00
37.80	3.35	0.00	0.00
37.85	3.35	0.00	0.00
37.90	3.35	0.00	0.00
37.95	3.35	0.00	0.00
38.00	3.35	0.00	0.00
38.05	3.35	0.00	0.00
38.10	3.35	0.00	0.00
38.15	3.35	0.00	0.00
38.20	3.35	0.00	0.00
38.25	3.35	0.00	0.00
38.30	3.35	0.00	0.00
38.35	3.35	0.00	0.00
38.40	3.35	0.00	0.00
38.45	3.35	0.00	0.00
38.50	3.35	0.00	0.00
38.55	3.35	0.00	0.00
38.60	3.35	0.00	0.00
38.65	3.35	0.00	0.00
38.70	3.35	0.00	0.00
38.75	3.35	0.00	0.00
38.80	3.35	0.00	0.00
38.85	3.35	0.00	0.00
38.90	3.35	0.00	0.00
38.95	3.35	0.00	0.00
39.00	3.35	0.00	0.00
39.05	3.35	0.00	0.00
39.10	3.35	0.00	0.00
39.15	3.35	0.00	0.00
39.20	3.35	0.00	0.00
39.25	3.35	0.00	0.00
39.30	3.35	0.00	0.00
39.35	3.35	0.00	0.00
39.40	3.35	0.00	0.00
39.45	3.35	0.00	0.00
39.50	3.35	0.00	0.00
39.55	3.35	0.00	0.00
39.60	3.35	0.00	0.00
39.65	3.35	0.00	0.00
39.70	3.35	0.00	0.00
39.75	3.35	0.00	0.00
39.80	3.35	0.00	0.00
39.85	3.35	0.00	0.00
39.90	3.35	0.00	0.00
39.95	3.35	0.00	0.00
40.00	3.35	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

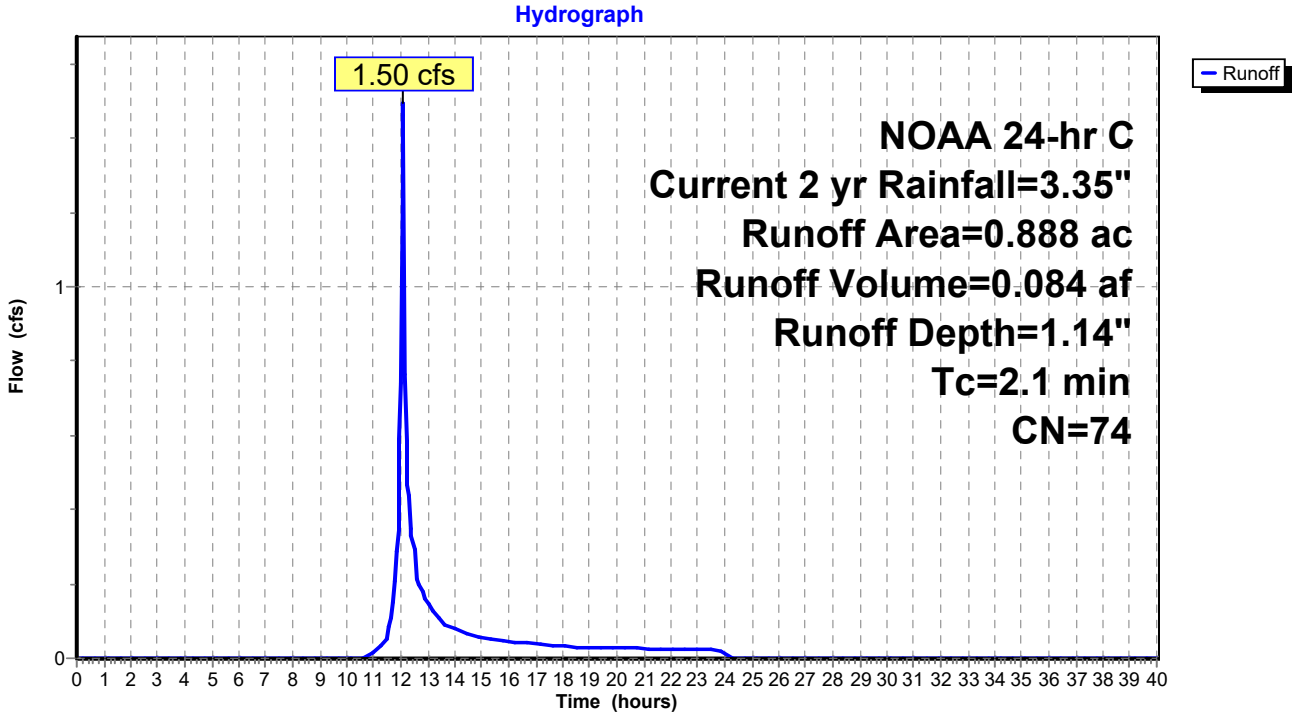
Runoff = 1.50 cfs @ 12.09 hrs, Volume= 0.084 af, Depth= 1.14"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.15
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.14
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.14
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.13
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.13
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.12
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.12
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.11
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.11
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.10
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.10
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.09
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.09
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.09
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.09
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.08
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.08
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.08
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.08
11.35	0.93	0.01	0.04	13.95	2.73	0.74	0.08
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.08
11.45	0.97	0.02	0.05	14.05	2.75	0.75	0.08
11.50	0.99	0.02	0.06	14.10	2.75	0.76	0.08
11.55	1.02	0.03	0.09	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.10	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.11	14.25	2.77	0.77	0.07
11.70	1.13	0.05	0.13	14.30	2.78	0.77	0.07
11.75	1.18	0.06	0.18	14.35	2.79	0.78	0.07
11.80	1.23	0.07	0.21	14.40	2.79	0.78	0.07
11.85	1.29	0.09	0.29	14.45	2.80	0.78	0.07
11.90	1.36	0.10	0.35	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.59	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.74	14.60	2.82	0.80	0.06
12.05	1.79	0.26	1.25	14.65	2.82	0.80	0.06
12.10	1.99	0.34	**1.47**	14.70	2.83	0.80	0.06
12.15	2.06	0.38	0.77	14.75	2.84	0.81	0.06
12.20	2.12	0.41	0.58	14.80	2.84	0.81	0.06
12.25	2.17	0.43	0.47	14.85	2.85	0.81	0.06
12.30	2.22	0.46	0.44	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.35	14.95	2.86	0.82	0.05
12.40	2.29	0.50	0.33	15.00	2.86	0.82	0.05
12.45	2.33	0.51	0.32	15.05	2.87	0.82	0.05
12.50	2.36	0.53	0.32	15.10	2.87	0.83	0.05
12.55	2.38	0.54	0.23	15.15	2.87	0.83	0.05
12.60	2.40	0.55	0.21	15.20	2.88	0.83	0.05
12.65	2.42	0.57	0.20	15.25	2.88	0.84	0.05
12.70	2.44	0.58	0.20	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.19	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.19	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.17	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.17	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.16	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.04	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.04	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.04	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.04	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.04	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.04	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.04	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

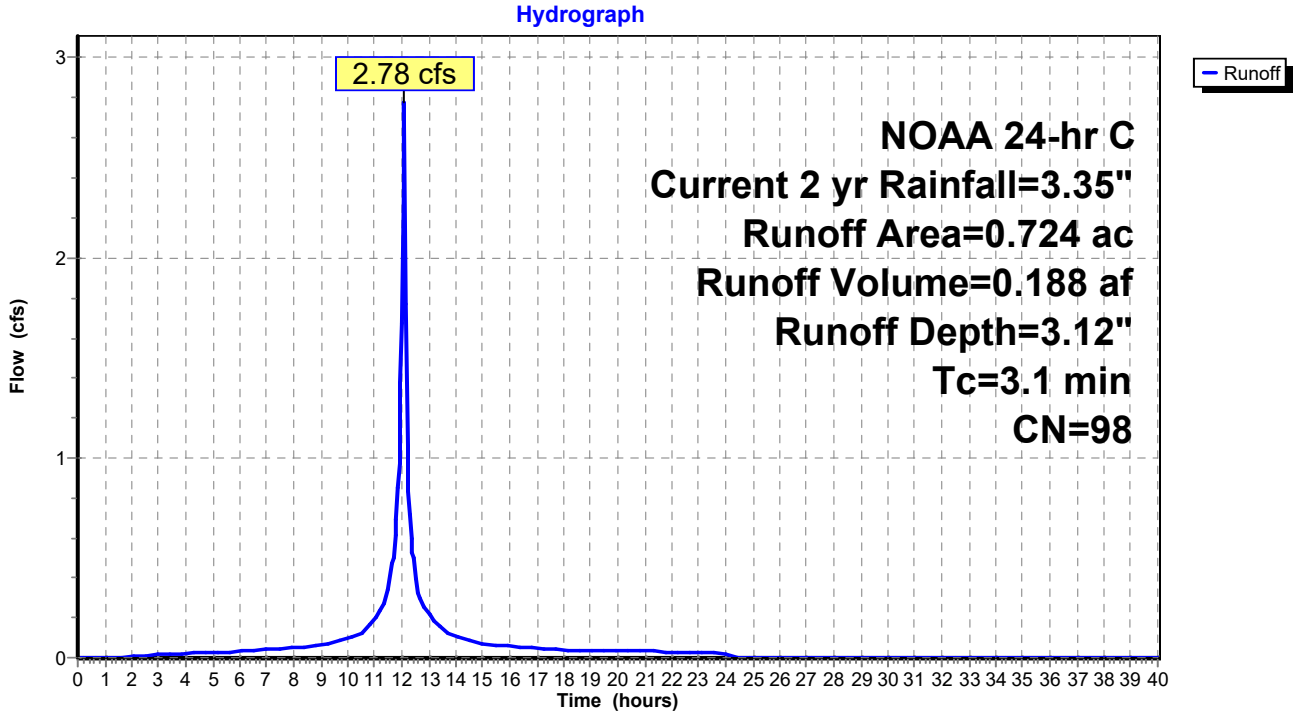
Runoff = 2.78 cfs @ 12.09 hrs, Volume= 0.188 af, Depth= 3.12"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.05
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.05
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.05
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.06
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.06
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.07
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.07
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.07
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.07
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.08
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.08
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.08
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.08
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.08
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.09
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.09
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.09
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.09
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.09
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.09
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.10
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.10
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.10
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.10
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.10
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.11
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.11
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.11
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.11

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.11	13.00	2.55	2.32	0.22
10.45	0.68	0.49	0.11	13.05	2.56	2.33	0.20
10.50	0.69	0.49	0.12	13.10	2.57	2.34	0.19
10.55	0.70	0.50	0.12	13.15	2.58	2.36	0.18
10.60	0.71	0.51	0.13	13.20	2.60	2.37	0.18
10.65	0.72	0.52	0.14	13.25	2.61	2.38	0.17
10.70	0.73	0.53	0.14	13.30	2.62	2.39	0.17
10.75	0.74	0.54	0.15	13.35	2.63	2.40	0.16
10.80	0.75	0.55	0.16	13.40	2.64	2.41	0.15
10.85	0.77	0.57	0.17	13.45	2.65	2.42	0.14
10.90	0.78	0.58	0.17	13.50	2.66	2.43	0.14
10.95	0.79	0.59	0.18	13.55	2.67	2.44	0.13
11.00	0.80	0.60	0.18	13.60	2.68	2.45	0.12
11.05	0.82	0.62	0.20	13.65	2.68	2.45	0.12
11.10	0.83	0.63	0.21	13.70	2.69	2.46	0.12
11.15	0.85	0.65	0.23	13.75	2.70	2.47	0.12
11.20	0.87	0.66	0.24	13.80	2.71	2.48	0.12
11.25	0.89	0.68	0.25	13.85	2.72	2.49	0.11
11.30	0.91	0.70	0.26	13.90	2.72	2.49	0.11
11.35	0.93	0.72	0.28	13.95	2.73	2.50	0.11
11.40	0.95	0.74	0.29	14.00	2.74	2.51	0.11
11.45	0.97	0.76	0.30	14.05	2.75	2.52	0.11
11.50	0.99	0.78	0.31	14.10	2.75	2.52	0.10
11.55	1.02	0.81	0.41	14.15	2.76	2.53	0.10
11.60	1.06	0.85	0.47	14.20	2.77	2.54	0.10
11.65	1.09	0.88	0.49	14.25	2.77	2.54	0.10
11.70	1.13	0.92	0.51	14.30	2.78	2.55	0.10
11.75	1.18	0.96	0.62	14.35	2.79	2.56	0.10
11.80	1.23	1.01	0.69	14.40	2.79	2.56	0.09
11.85	1.29	1.08	0.85	14.45	2.80	2.57	0.09
11.90	1.36	1.14	0.97	14.50	2.81	2.58	0.09
11.95	1.48	1.26	1.38	14.55	2.81	2.58	0.09
12.00	1.60	1.38	1.67	14.60	2.82	2.59	0.09
12.05	1.79	1.57	2.33	14.65	2.82	2.59	0.08
12.10	1.99	1.76	**2.75**	14.70	2.83	2.60	0.08
12.15	2.06	1.83	1.77	14.75	2.84	2.60	0.08
12.20	2.12	1.90	1.06	14.80	2.84	2.61	0.08
12.25	2.17	1.95	0.83	14.85	2.85	2.61	0.08
12.30	2.22	1.99	0.72	14.90	2.85	2.62	0.08
12.35	2.26	2.03	0.60	14.95	2.86	2.62	0.07
12.40	2.29	2.06	0.52	15.00	2.86	2.63	0.07
12.45	2.33	2.10	0.50	15.05	2.87	2.63	0.07
12.50	2.36	2.13	0.49	15.10	2.87	2.64	0.07
12.55	2.38	2.15	0.39	15.15	2.87	2.64	0.07
12.60	2.40	2.18	0.32	15.20	2.88	2.65	0.07
12.65	2.42	2.20	0.31	15.25	2.88	2.65	0.07
12.70	2.44	2.22	0.30	15.30	2.89	2.66	0.07
12.75	2.46	2.23	0.28	15.35	2.89	2.66	0.07
12.80	2.48	2.25	0.27	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.26	15.45	2.90	2.67	0.06
12.90	2.52	2.29	0.25	15.50	2.91	2.68	0.06
12.95	2.53	2.30	0.23	15.55	2.91	2.68	0.06

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.06	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.06	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.06	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.06	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.06	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.06	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.06	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.06	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.06	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.06	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.06	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.05	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.05	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.05	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.05	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.05	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.05	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.05	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.05	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.05	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.05	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.05	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.05	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.03
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.03
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.03
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.03
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.03
17.55	3.06	2.83	0.04	20.15	3.19	2.96	0.03
17.60	3.06	2.83	0.04	20.20	3.20	2.96	0.03
17.65	3.06	2.83	0.04	20.25	3.20	2.97	0.03
17.70	3.07	2.84	0.04	20.30	3.20	2.97	0.03
17.75	3.07	2.84	0.04	20.35	3.20	2.97	0.03
17.80	3.07	2.84	0.04	20.40	3.20	2.97	0.03
17.85	3.08	2.84	0.04	20.45	3.21	2.97	0.03
17.90	3.08	2.85	0.04	20.50	3.21	2.98	0.03
17.95	3.08	2.85	0.04	20.55	3.21	2.98	0.03
18.00	3.08	2.85	0.04	20.60	3.21	2.98	0.03
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.03
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.03
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.03

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.03	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.03	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

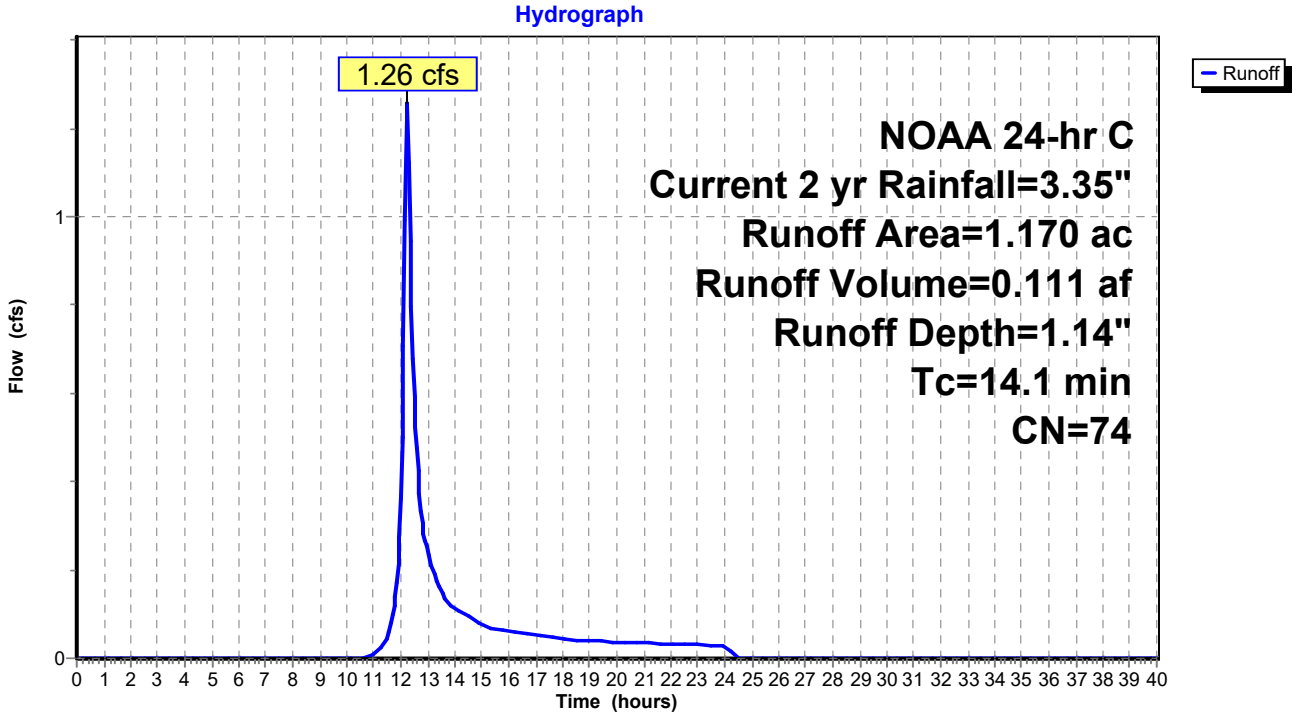
Runoff = 1.26 cfs @ 12.24 hrs, Volume= 0.111 af, Depth= 1.14"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.24
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.23
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.22
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.21
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.20
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.19
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.18
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.17
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.16
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.16
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.15
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.15
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.14
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.13
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.13
11.15	0.85	0.01	0.01	13.75	2.70	0.72	0.12
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.12
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.12
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.11
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.11
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.11
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.11
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.11
11.55	1.02	0.03	0.05	14.15	2.76	0.76	0.11
11.60	1.06	0.03	0.06	14.20	2.77	0.76	0.10
11.65	1.09	0.04	0.08	14.25	2.77	0.77	0.10
11.70	1.13	0.05	0.10	14.30	2.78	0.77	0.10
11.75	1.18	0.06	0.12	14.35	2.79	0.78	0.10
11.80	1.23	0.07	0.14	14.40	2.79	0.78	0.10
11.85	1.29	0.09	0.17	14.45	2.80	0.78	0.10
11.90	1.36	0.10	0.21	14.50	2.81	0.79	0.09
11.95	1.48	0.14	0.27	14.55	2.81	0.79	0.09
12.00	1.60	0.18	0.36	14.60	2.82	0.80	0.09
12.05	1.79	0.26	0.50	14.65	2.82	0.80	0.09
12.10	1.99	0.34	0.71	14.70	2.83	0.80	0.09
12.15	2.06	0.38	0.99	14.75	2.84	0.81	0.09
12.20	2.12	0.41	1.22	14.80	2.84	0.81	0.08
12.25	2.17	0.43	**1.25**	14.85	2.85	0.81	0.08
12.30	2.22	0.46	1.12	14.90	2.85	0.82	0.08
12.35	2.26	0.48	0.95	14.95	2.86	0.82	0.08
12.40	2.29	0.50	0.80	15.00	2.86	0.82	0.08
12.45	2.33	0.51	0.68	15.05	2.87	0.82	0.08
12.50	2.36	0.53	0.59	15.10	2.87	0.83	0.07
12.55	2.38	0.54	0.53	15.15	2.87	0.83	0.07
12.60	2.40	0.55	0.47	15.20	2.88	0.83	0.07
12.65	2.42	0.57	0.42	15.25	2.88	0.84	0.07
12.70	2.44	0.58	0.37	15.30	2.89	0.84	0.07
12.75	2.46	0.59	0.33	15.35	2.89	0.84	0.07
12.80	2.48	0.60	0.30	15.40	2.90	0.84	0.07
12.85	2.50	0.61	0.28	15.45	2.90	0.85	0.07
12.90	2.52	0.62	0.27	15.50	2.91	0.85	0.07
12.95	2.53	0.63	0.25	15.55	2.91	0.85	0.07

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.07	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.07	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.06	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.06	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.06	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.06	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.06	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.06	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.06	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.06	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.06	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.06	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.06	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.06	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.06	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.06	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.06	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.06	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.06	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.06	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.06	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.06	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.05	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.05	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.05	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.05	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.05	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.05	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.05	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.05	20.30	3.20	1.04	0.04
17.75	3.07	0.95	0.05	20.35	3.20	1.04	0.04
17.80	3.07	0.96	0.05	20.40	3.20	1.04	0.04
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.03
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.03
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.02
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.02
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.01
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.01
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

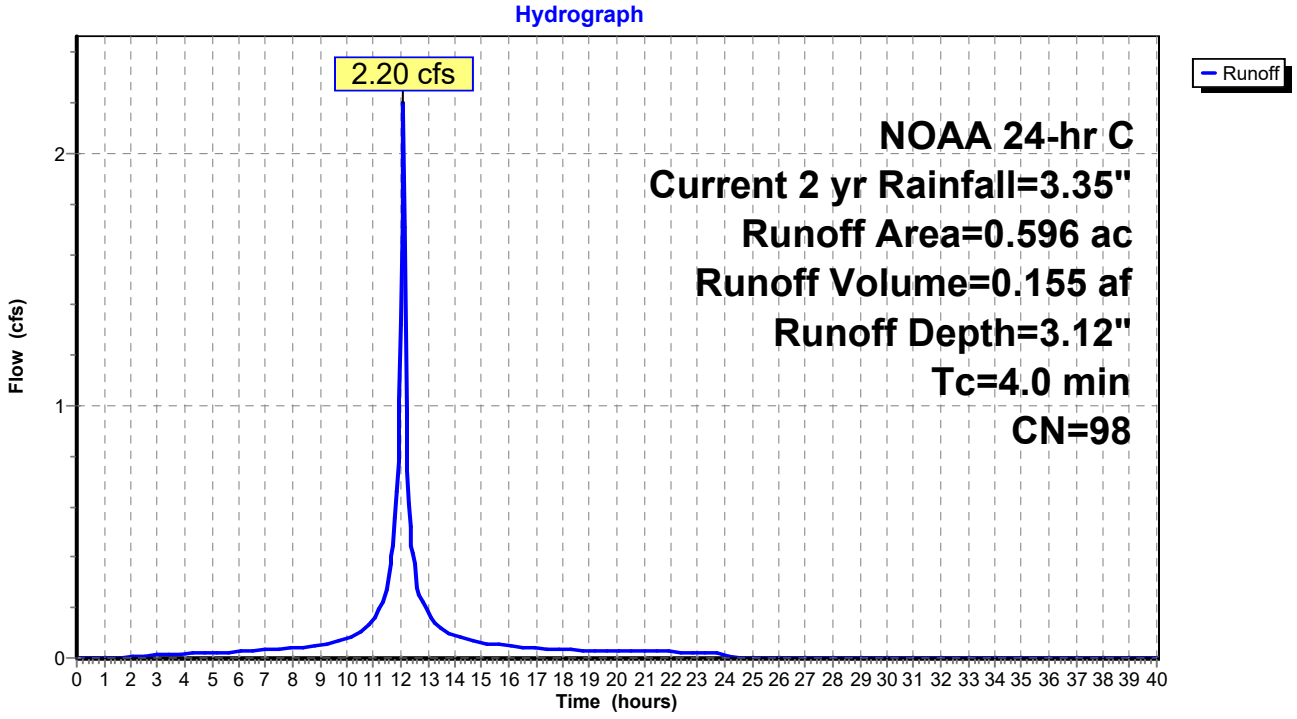
Runoff = 2.20 cfs @ 12.10 hrs, Volume= 0.155 af, Depth= 3.12"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.04
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.04
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.04
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.04
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.04
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.04
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.04
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.04
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.04
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.04
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.05
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.05
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.05
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.05
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.05
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.05
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.05
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.05
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.05
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.05
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.05
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.05
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.05
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.05
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.05
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.05
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.06
6.65	0.30	0.15	0.03	9.25	0.51	0.33	0.06
6.70	0.31	0.15	0.03	9.30	0.52	0.34	0.06
6.75	0.31	0.15	0.03	9.35	0.53	0.34	0.06
6.80	0.31	0.16	0.03	9.40	0.53	0.35	0.06
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.06
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.07
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.07
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.07
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.07
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.07
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.07
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.07
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.08
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.08
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.08
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.08
7.45	0.36	0.19	0.04	10.05	0.62	0.43	0.08
7.50	0.36	0.20	0.04	10.10	0.63	0.43	0.08
7.55	0.37	0.20	0.04	10.15	0.63	0.44	0.08
7.60	0.37	0.20	0.04	10.20	0.64	0.45	0.09
7.65	0.37	0.21	0.04	10.25	0.65	0.46	0.09
7.70	0.38	0.21	0.04	10.30	0.66	0.46	0.09
7.75	0.38	0.21	0.04	10.35	0.67	0.47	0.09

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.09	13.00	2.55	2.32	0.18
10.45	0.68	0.49	0.09	13.05	2.56	2.33	0.17
10.50	0.69	0.49	0.10	13.10	2.57	2.34	0.16
10.55	0.70	0.50	0.10	13.15	2.58	2.36	0.15
10.60	0.71	0.51	0.11	13.20	2.60	2.37	0.15
10.65	0.72	0.52	0.11	13.25	2.61	2.38	0.14
10.70	0.73	0.53	0.12	13.30	2.62	2.39	0.14
10.75	0.74	0.54	0.12	13.35	2.63	2.40	0.13
10.80	0.75	0.55	0.13	13.40	2.64	2.41	0.13
10.85	0.77	0.57	0.13	13.45	2.65	2.42	0.12
10.90	0.78	0.58	0.14	13.50	2.66	2.43	0.11
10.95	0.79	0.59	0.15	13.55	2.67	2.44	0.11
11.00	0.80	0.60	0.15	13.60	2.68	2.45	0.10
11.05	0.82	0.62	0.16	13.65	2.68	2.45	0.10
11.10	0.83	0.63	0.17	13.70	2.69	2.46	0.10
11.15	0.85	0.65	0.18	13.75	2.70	2.47	0.10
11.20	0.87	0.66	0.19	13.80	2.71	2.48	0.10
11.25	0.89	0.68	0.20	13.85	2.72	2.49	0.09
11.30	0.91	0.70	0.21	13.90	2.72	2.49	0.09
11.35	0.93	0.72	0.22	13.95	2.73	2.50	0.09
11.40	0.95	0.74	0.24	14.00	2.74	2.51	0.09
11.45	0.97	0.76	0.24	14.05	2.75	2.52	0.09
11.50	0.99	0.78	0.25	14.10	2.75	2.52	0.09
11.55	1.02	0.81	0.31	14.15	2.76	2.53	0.09
11.60	1.06	0.85	0.38	14.20	2.77	2.54	0.08
11.65	1.09	0.88	0.40	14.25	2.77	2.54	0.08
11.70	1.13	0.92	0.42	14.30	2.78	2.55	0.08
11.75	1.18	0.96	0.48	14.35	2.79	2.56	0.08
11.80	1.23	1.01	0.56	14.40	2.79	2.56	0.08
11.85	1.29	1.08	0.66	14.45	2.80	2.57	0.08
11.90	1.36	1.14	0.78	14.50	2.81	2.58	0.07
11.95	1.48	1.26	1.03	14.55	2.81	2.58	0.07
12.00	1.60	1.38	1.32	14.60	2.82	2.59	0.07
12.05	1.79	1.57	1.74	14.65	2.82	2.59	0.07
12.10	1.99	1.76	**2.20**	14.70	2.83	2.60	0.07
12.15	2.06	1.83	1.71	14.75	2.84	2.60	0.07
12.20	2.12	1.90	0.98	14.80	2.84	2.61	0.07
12.25	2.17	1.95	0.75	14.85	2.85	2.61	0.06
12.30	2.22	1.99	0.61	14.90	2.85	2.62	0.06
12.35	2.26	2.03	0.53	14.95	2.86	2.62	0.06
12.40	2.29	2.06	0.44	15.00	2.86	2.63	0.06
12.45	2.33	2.10	0.42	15.05	2.87	2.63	0.06
12.50	2.36	2.13	0.41	15.10	2.87	2.64	0.06
12.55	2.38	2.15	0.35	15.15	2.87	2.64	0.06
12.60	2.40	2.18	0.28	15.20	2.88	2.65	0.06
12.65	2.42	2.20	0.26	15.25	2.88	2.65	0.06
12.70	2.44	2.22	0.25	15.30	2.89	2.66	0.05
12.75	2.46	2.23	0.24	15.35	2.89	2.66	0.05
12.80	2.48	2.25	0.23	15.40	2.90	2.67	0.05
12.85	2.50	2.27	0.22	15.45	2.90	2.67	0.05
12.90	2.52	2.29	0.20	15.50	2.91	2.68	0.05
12.95	2.53	2.30	0.19	15.55	2.91	2.68	0.05

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.05	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.05	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.05	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.05	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.05	18.40	3.11	2.87	0.03
15.85	2.94	2.70	0.05	18.45	3.11	2.88	0.03
15.90	2.94	2.71	0.05	18.50	3.11	2.88	0.03
15.95	2.94	2.71	0.05	18.55	3.11	2.88	0.03
16.00	2.95	2.72	0.05	18.60	3.12	2.88	0.03
16.05	2.95	2.72	0.05	18.65	3.12	2.89	0.03
16.10	2.96	2.73	0.05	18.70	3.12	2.89	0.03
16.15	2.96	2.73	0.05	18.75	3.12	2.89	0.03
16.20	2.96	2.73	0.05	18.80	3.13	2.89	0.03
16.25	2.97	2.74	0.05	18.85	3.13	2.90	0.03
16.30	2.97	2.74	0.05	18.90	3.13	2.90	0.03
16.35	2.98	2.74	0.05	18.95	3.13	2.90	0.03
16.40	2.98	2.75	0.05	19.00	3.14	2.90	0.03
16.45	2.98	2.75	0.05	19.05	3.14	2.91	0.03
16.50	2.99	2.76	0.05	19.10	3.14	2.91	0.03
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.03
16.60	3.00	2.76	0.04	19.20	3.15	2.91	0.03
16.65	3.00	2.77	0.04	19.25	3.15	2.92	0.03
16.70	3.00	2.77	0.04	19.30	3.15	2.92	0.03
16.75	3.01	2.77	0.04	19.35	3.15	2.92	0.03
16.80	3.01	2.78	0.04	19.40	3.16	2.92	0.03
16.85	3.01	2.78	0.04	19.45	3.16	2.93	0.03
16.90	3.02	2.78	0.04	19.50	3.16	2.93	0.03
16.95	3.02	2.79	0.04	19.55	3.16	2.93	0.03
17.00	3.02	2.79	0.04	19.60	3.17	2.93	0.03
17.05	3.03	2.79	0.04	19.65	3.17	2.94	0.03
17.10	3.03	2.80	0.04	19.70	3.17	2.94	0.03
17.15	3.03	2.80	0.04	19.75	3.17	2.94	0.03
17.20	3.04	2.80	0.04	19.80	3.18	2.94	0.03
17.25	3.04	2.81	0.04	19.85	3.18	2.95	0.03
17.30	3.04	2.81	0.04	19.90	3.18	2.95	0.03
17.35	3.05	2.81	0.04	19.95	3.18	2.95	0.03
17.40	3.05	2.82	0.04	20.00	3.19	2.95	0.03
17.45	3.05	2.82	0.04	20.05	3.19	2.96	0.03
17.50	3.06	2.82	0.04	20.10	3.19	2.96	0.03
17.55	3.06	2.83	0.04	20.15	3.19	2.96	0.03
17.60	3.06	2.83	0.04	20.20	3.20	2.96	0.03
17.65	3.06	2.83	0.04	20.25	3.20	2.97	0.03
17.70	3.07	2.84	0.04	20.30	3.20	2.97	0.03
17.75	3.07	2.84	0.04	20.35	3.20	2.97	0.03
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.03
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.03
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.03
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.03
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.03
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.03
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.03
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.03

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.03	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.03	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.02
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

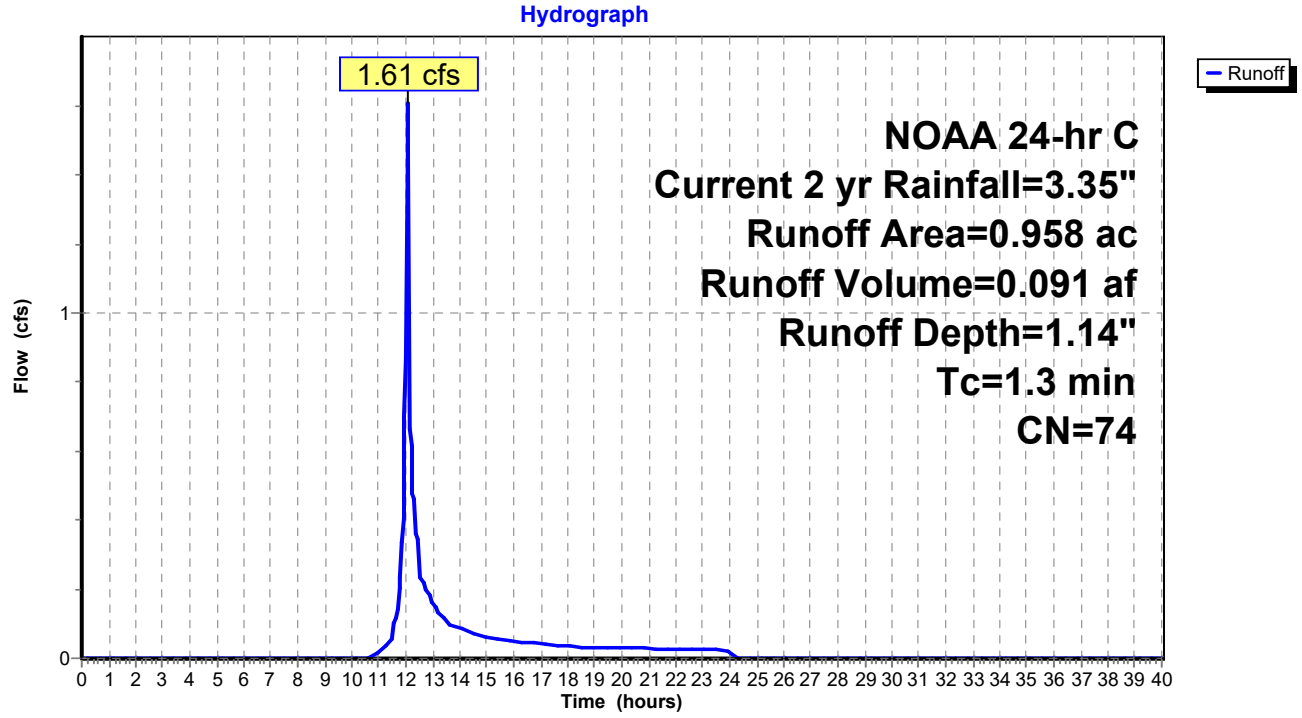
Runoff = 1.61 cfs @ 12.08 hrs, Volume= 0.091 af, Depth= 1.14"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.16
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.15
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.15
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.14
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.14
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.13
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.13
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.12
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.12
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.11
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.11
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.10
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.10
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.09
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.09
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.09
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.09
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.09
11.35	0.93	0.01	0.04	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.06	14.05	2.75	0.75	0.08
11.50	0.99	0.02	0.06	14.10	2.75	0.76	0.08
11.55	1.02	0.03	0.10	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.11	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.13	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.14	14.30	2.78	0.77	0.08
11.75	1.18	0.06	0.20	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.23	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.33	14.45	2.80	0.78	0.07
11.90	1.36	0.10	0.41	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.70	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.87	14.60	2.82	0.80	0.07
12.05	1.79	0.26	1.48	14.65	2.82	0.80	0.07
12.10	1.99	0.34	**1.52**	14.70	2.83	0.80	0.07
12.15	2.06	0.38	0.67	14.75	2.84	0.81	0.06
12.20	2.12	0.41	0.61	14.80	2.84	0.81	0.06
12.25	2.17	0.43	0.48	14.85	2.85	0.81	0.06
12.30	2.22	0.46	0.46	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.36	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.36	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.35	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.33	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.23	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.23	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.22	15.25	2.88	0.84	0.05
12.70	2.44	0.58	0.22	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.20	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.20	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.18	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.18	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.17	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

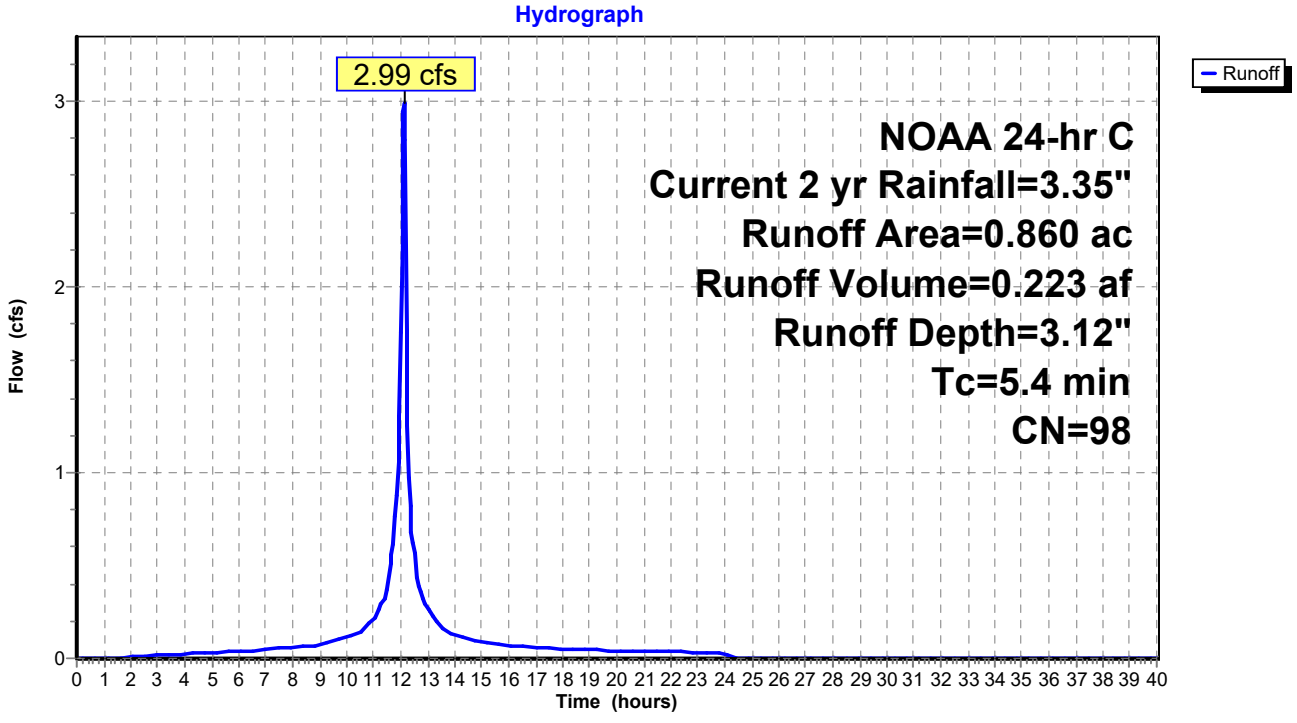
Runoff = 2.99 cfs @ 12.12 hrs, Volume= 0.223 af, Depth= 3.12"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.06
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.06
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.06
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.06
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.06
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.06
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.06
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.06
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.06
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.07
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.07
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.07
5.95	0.26	0.12	0.04	8.55	0.45	0.27	0.07
6.00	0.27	0.12	0.04	8.60	0.45	0.28	0.07
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.07
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.07
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.07
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.07
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.07
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.07
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.07
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.07
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.07
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.08
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.08
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.08
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.08
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.08
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.09
6.80	0.31	0.16	0.05	9.40	0.53	0.35	0.09
6.85	0.32	0.16	0.05	9.45	0.54	0.35	0.09
6.90	0.32	0.16	0.05	9.50	0.54	0.36	0.09
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.10
7.00	0.33	0.17	0.05	9.60	0.56	0.37	0.10
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.10
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.10
7.15	0.34	0.18	0.05	9.75	0.58	0.39	0.10
7.20	0.34	0.18	0.05	9.80	0.58	0.39	0.11
7.25	0.34	0.18	0.05	9.85	0.59	0.40	0.11
7.30	0.35	0.18	0.05	9.90	0.60	0.41	0.11
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.11
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.11
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.12
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.12
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.12
7.60	0.37	0.20	0.06	10.20	0.64	0.45	0.12
7.65	0.37	0.21	0.06	10.25	0.65	0.46	0.13
7.70	0.38	0.21	0.06	10.30	0.66	0.46	0.13
7.75	0.38	0.21	0.06	10.35	0.67	0.47	0.13

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.13	13.00	2.55	2.32	0.27
10.45	0.68	0.49	0.13	13.05	2.56	2.33	0.26
10.50	0.69	0.49	0.14	13.10	2.57	2.34	0.24
10.55	0.70	0.50	0.14	13.15	2.58	2.36	0.23
10.60	0.71	0.51	0.15	13.20	2.60	2.37	0.22
10.65	0.72	0.52	0.16	13.25	2.61	2.38	0.21
10.70	0.73	0.53	0.17	13.30	2.62	2.39	0.20
10.75	0.74	0.54	0.17	13.35	2.63	2.40	0.19
10.80	0.75	0.55	0.18	13.40	2.64	2.41	0.18
10.85	0.77	0.57	0.19	13.45	2.65	2.42	0.18
10.90	0.78	0.58	0.20	13.50	2.66	2.43	0.17
10.95	0.79	0.59	0.21	13.55	2.67	2.44	0.16
11.00	0.80	0.60	0.21	13.60	2.68	2.45	0.15
11.05	0.82	0.62	0.22	13.65	2.68	2.45	0.15
11.10	0.83	0.63	0.24	13.70	2.69	2.46	0.14
11.15	0.85	0.65	0.25	13.75	2.70	2.47	0.14
11.20	0.87	0.66	0.27	13.80	2.71	2.48	0.14
11.25	0.89	0.68	0.29	13.85	2.72	2.49	0.14
11.30	0.91	0.70	0.30	13.90	2.72	2.49	0.13
11.35	0.93	0.72	0.32	13.95	2.73	2.50	0.13
11.40	0.95	0.74	0.33	14.00	2.74	2.51	0.13
11.45	0.97	0.76	0.35	14.05	2.75	2.52	0.13
11.50	0.99	0.78	0.36	14.10	2.75	2.52	0.13
11.55	1.02	0.81	0.41	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.51	14.20	2.77	2.54	0.12
11.65	1.09	0.88	0.56	14.25	2.77	2.54	0.12
11.70	1.13	0.92	0.59	14.30	2.78	2.55	0.12
11.75	1.18	0.96	0.65	14.35	2.79	2.56	0.12
11.80	1.23	1.01	0.76	14.40	2.79	2.56	0.11
11.85	1.29	1.08	0.88	14.45	2.80	2.57	0.11
11.90	1.36	1.14	1.06	14.50	2.81	2.58	0.11
11.95	1.48	1.26	1.31	14.55	2.81	2.58	0.11
12.00	1.60	1.38	1.75	14.60	2.82	2.59	0.10
12.05	1.79	1.57	2.22	14.65	2.82	2.59	0.10
12.10	1.99	1.76	**2.95**	14.70	2.83	2.60	0.10
12.15	2.06	1.83	2.80	14.75	2.84	2.60	0.10
12.20	2.12	1.90	1.77	14.80	2.84	2.61	0.10
12.25	2.17	1.95	1.25	14.85	2.85	2.61	0.09
12.30	2.22	1.99	0.97	14.90	2.85	2.62	0.09
12.35	2.26	2.03	0.83	14.95	2.86	2.62	0.09
12.40	2.29	2.06	0.68	15.00	2.86	2.63	0.09
12.45	2.33	2.10	0.63	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.60	15.10	2.87	2.64	0.08
12.55	2.38	2.15	0.54	15.15	2.87	2.64	0.08
12.60	2.40	2.18	0.44	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.39	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.36	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.35	15.35	2.89	2.66	0.08
12.80	2.48	2.25	0.33	15.40	2.90	2.67	0.08
12.85	2.50	2.27	0.32	15.45	2.90	2.67	0.08
12.90	2.52	2.29	0.30	15.50	2.91	2.68	0.08
12.95	2.53	2.30	0.29	15.55	2.91	2.68	0.08

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.08	18.20	3.10	2.86	0.05
15.65	2.92	2.69	0.08	18.25	3.10	2.87	0.05
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.05
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.05
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.05
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.05
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.05
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.05
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.05
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.05
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.07	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.07	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.07	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.07	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.07	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.07	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.07	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.07	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.06	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.06	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.06	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.06	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.06	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.06	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.05	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.05	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.03
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.01
21.55	3.26	3.02	0.04	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.04	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.04	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.04	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.04	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.04	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.04	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

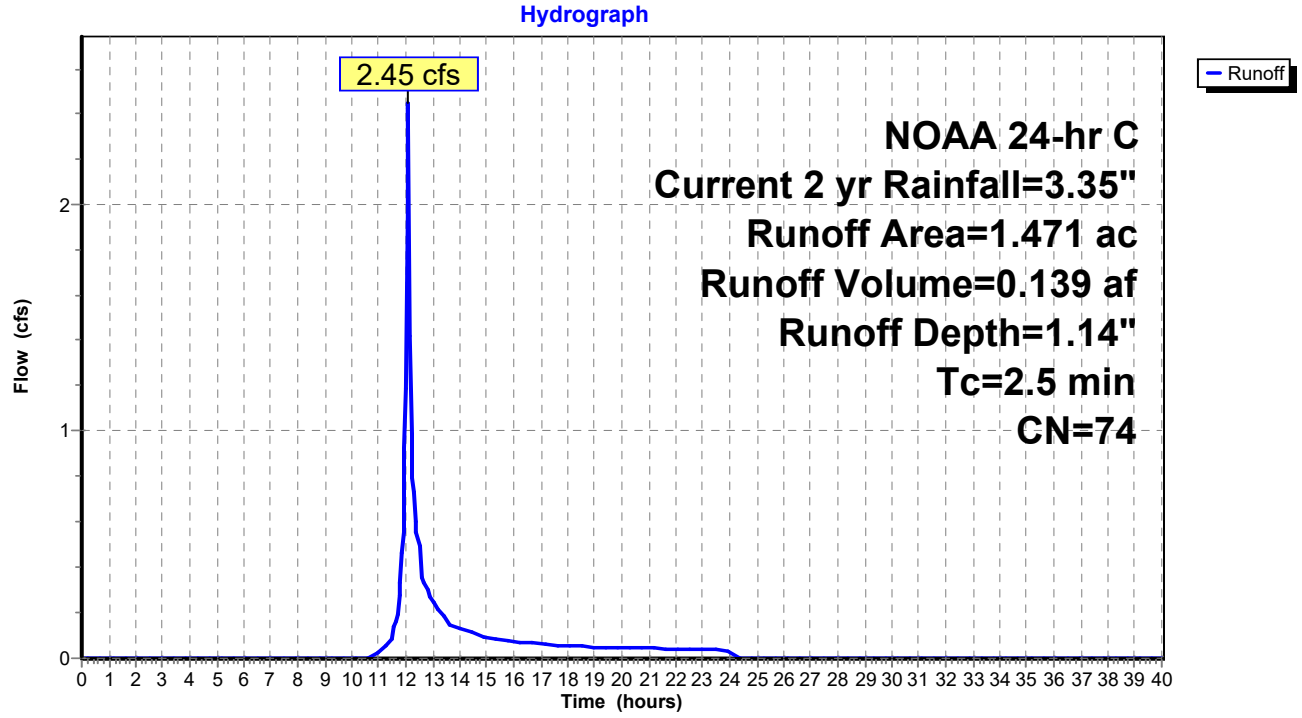
Runoff = 2.45 cfs @ 12.09 hrs, Volume= 0.139 af, Depth= 1.14"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.25
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.23
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.23
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.21
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.21
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.20
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.20
10.75	0.74	0.00	0.01	13.35	2.63	0.68	0.18
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.18
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.17
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.16
10.95	0.79	0.00	0.02	13.55	2.67	0.70	0.15
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.15
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.15
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.14
11.15	0.85	0.01	0.04	13.75	2.70	0.72	0.14
11.20	0.87	0.01	0.04	13.80	2.71	0.73	0.14
11.25	0.89	0.01	0.05	13.85	2.72	0.73	0.14
11.30	0.91	0.01	0.05	13.90	2.72	0.74	0.14
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.13
11.40	0.95	0.02	0.07	14.00	2.74	0.75	0.13
11.45	0.97	0.02	0.08	14.05	2.75	0.75	0.13
11.50	0.99	0.02	0.09	14.10	2.75	0.76	0.13
11.55	1.02	0.03	0.14	14.15	2.76	0.76	0.13
11.60	1.06	0.03	0.16	14.20	2.77	0.76	0.12
11.65	1.09	0.04	0.19	14.25	2.77	0.77	0.12
11.70	1.13	0.05	0.21	14.30	2.78	0.77	0.12
11.75	1.18	0.06	0.28	14.35	2.79	0.78	0.12
11.80	1.23	0.07	0.33	14.40	2.79	0.78	0.12
11.85	1.29	0.09	0.46	14.45	2.80	0.78	0.11
11.90	1.36	0.10	0.56	14.50	2.81	0.79	0.11
11.95	1.48	0.14	0.93	14.55	2.81	0.79	0.11
12.00	1.60	0.18	1.19	14.60	2.82	0.80	0.11
12.05	1.79	0.26	1.96	14.65	2.82	0.80	0.10
12.10	1.99	0.34	**2.42**	14.70	2.83	0.80	0.10
12.15	2.06	0.38	1.42	14.75	2.84	0.81	0.10
12.20	2.12	0.41	0.99	14.80	2.84	0.81	0.10
12.25	2.17	0.43	0.80	14.85	2.85	0.81	0.10
12.30	2.22	0.46	0.73	14.90	2.85	0.82	0.09
12.35	2.26	0.48	0.60	14.95	2.86	0.82	0.09
12.40	2.29	0.50	0.55	15.00	2.86	0.82	0.09
12.45	2.33	0.51	0.54	15.05	2.87	0.82	0.09
12.50	2.36	0.53	0.53	15.10	2.87	0.83	0.09
12.55	2.38	0.54	0.40	15.15	2.87	0.83	0.09
12.60	2.40	0.55	0.35	15.20	2.88	0.83	0.08
12.65	2.42	0.57	0.34	15.25	2.88	0.84	0.08
12.70	2.44	0.58	0.33	15.30	2.89	0.84	0.08
12.75	2.46	0.59	0.32	15.35	2.89	0.84	0.08
12.80	2.48	0.60	0.31	15.40	2.90	0.84	0.08
12.85	2.50	0.61	0.29	15.45	2.90	0.85	0.08
12.90	2.52	0.62	0.28	15.50	2.91	0.85	0.08
12.95	2.53	0.63	0.26	15.55	2.91	0.85	0.08

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.08	18.20	3.10	0.97	0.05
15.65	2.92	0.86	0.08	18.25	3.10	0.97	0.05
15.70	2.92	0.86	0.08	18.30	3.10	0.97	0.05
15.75	2.93	0.86	0.08	18.35	3.10	0.97	0.05
15.80	2.93	0.87	0.08	18.40	3.11	0.98	0.05
15.85	2.94	0.87	0.08	18.45	3.11	0.98	0.05
15.90	2.94	0.87	0.08	18.50	3.11	0.98	0.05
15.95	2.94	0.87	0.08	18.55	3.11	0.98	0.05
16.00	2.95	0.88	0.08	18.60	3.12	0.98	0.05
16.05	2.95	0.88	0.08	18.65	3.12	0.98	0.05
16.10	2.96	0.88	0.08	18.70	3.12	0.99	0.05
16.15	2.96	0.88	0.07	18.75	3.12	0.99	0.05
16.20	2.96	0.89	0.07	18.80	3.13	0.99	0.05
16.25	2.97	0.89	0.07	18.85	3.13	0.99	0.05
16.30	2.97	0.89	0.07	18.90	3.13	0.99	0.05
16.35	2.98	0.89	0.07	18.95	3.13	0.99	0.05
16.40	2.98	0.90	0.07	19.00	3.14	1.00	0.05
16.45	2.98	0.90	0.07	19.05	3.14	1.00	0.05
16.50	2.99	0.90	0.07	19.10	3.14	1.00	0.05
16.55	2.99	0.90	0.07	19.15	3.14	1.00	0.05
16.60	3.00	0.91	0.07	19.20	3.15	1.00	0.05
16.65	3.00	0.91	0.07	19.25	3.15	1.00	0.05
16.70	3.00	0.91	0.07	19.30	3.15	1.01	0.05
16.75	3.01	0.91	0.07	19.35	3.15	1.01	0.05
16.80	3.01	0.91	0.07	19.40	3.16	1.01	0.05
16.85	3.01	0.92	0.07	19.45	3.16	1.01	0.05
16.90	3.02	0.92	0.07	19.50	3.16	1.01	0.05
16.95	3.02	0.92	0.07	19.55	3.16	1.01	0.05
17.00	3.02	0.92	0.06	19.60	3.17	1.02	0.05
17.05	3.03	0.93	0.06	19.65	3.17	1.02	0.05
17.10	3.03	0.93	0.06	19.70	3.17	1.02	0.05
17.15	3.03	0.93	0.06	19.75	3.17	1.02	0.05
17.20	3.04	0.93	0.06	19.80	3.18	1.02	0.05
17.25	3.04	0.93	0.06	19.85	3.18	1.02	0.05
17.30	3.04	0.94	0.06	19.90	3.18	1.03	0.05
17.35	3.05	0.94	0.06	19.95	3.18	1.03	0.05
17.40	3.05	0.94	0.06	20.00	3.19	1.03	0.05
17.45	3.05	0.94	0.06	20.05	3.19	1.03	0.05
17.50	3.06	0.94	0.06	20.10	3.19	1.03	0.05
17.55	3.06	0.95	0.06	20.15	3.19	1.03	0.05
17.60	3.06	0.95	0.06	20.20	3.20	1.03	0.05
17.65	3.06	0.95	0.06	20.25	3.20	1.04	0.05
17.70	3.07	0.95	0.06	20.30	3.20	1.04	0.05
17.75	3.07	0.95	0.06	20.35	3.20	1.04	0.05
17.80	3.07	0.96	0.06	20.40	3.20	1.04	0.05
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.05	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.05	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.05	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.05	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.05	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.05	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.04
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.04
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.04
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.04
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.04
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.04
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.04
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.04
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.04	23.95	3.35	1.14	0.04
21.40	3.25	1.07	0.04	24.00	**3.35**	**1.14**	0.04
21.45	3.25	1.07	0.04	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.04	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.04	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.04	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.04	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.04	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.04	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.04	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.04	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.04	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.04	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.04	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.04	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.04	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.04	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.04	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.04	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.04	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.04	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.04	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.04	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.04	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.04	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.04	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.04	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.04	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.04	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

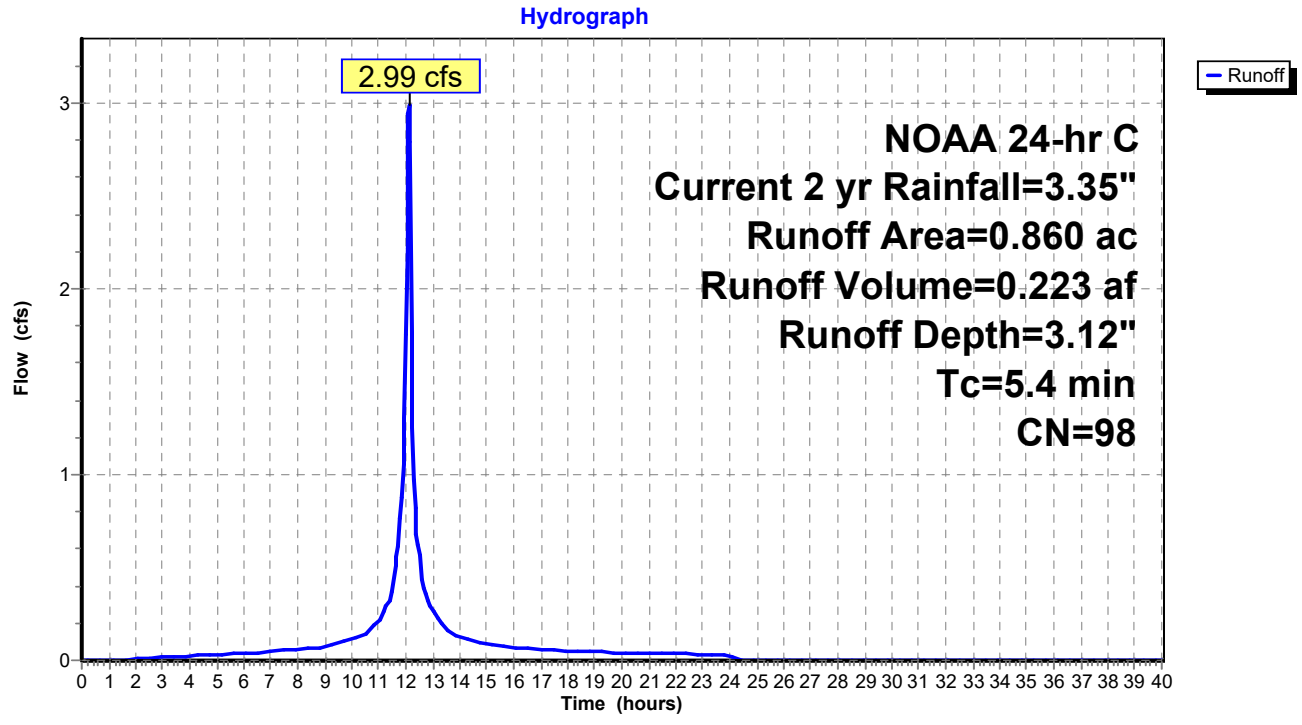
Runoff = 2.99 cfs @ 12.12 hrs, Volume= 0.223 af, Depth= 3.12"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.06
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.06
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.06
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.06
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.06
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.06
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.06
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.06
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.06
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.07
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.07
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.07
5.95	0.26	0.12	0.04	8.55	0.45	0.27	0.07
6.00	0.27	0.12	0.04	8.60	0.45	0.28	0.07
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.07
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.07
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.07
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.07
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.07
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.07
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.07
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.07
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.07
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.08
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.08
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.08
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.08
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.08
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.09
6.80	0.31	0.16	0.05	9.40	0.53	0.35	0.09
6.85	0.32	0.16	0.05	9.45	0.54	0.35	0.09
6.90	0.32	0.16	0.05	9.50	0.54	0.36	0.09
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.10
7.00	0.33	0.17	0.05	9.60	0.56	0.37	0.10
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.10
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.10
7.15	0.34	0.18	0.05	9.75	0.58	0.39	0.10
7.20	0.34	0.18	0.05	9.80	0.58	0.39	0.11
7.25	0.34	0.18	0.05	9.85	0.59	0.40	0.11
7.30	0.35	0.18	0.05	9.90	0.60	0.41	0.11
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.11
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.11
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.12
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.12
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.12
7.60	0.37	0.20	0.06	10.20	0.64	0.45	0.12
7.65	0.37	0.21	0.06	10.25	0.65	0.46	0.13
7.70	0.38	0.21	0.06	10.30	0.66	0.46	0.13
7.75	0.38	0.21	0.06	10.35	0.67	0.47	0.13

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.13	13.00	2.55	2.32	0.27
10.45	0.68	0.49	0.13	13.05	2.56	2.33	0.26
10.50	0.69	0.49	0.14	13.10	2.57	2.34	0.24
10.55	0.70	0.50	0.14	13.15	2.58	2.36	0.23
10.60	0.71	0.51	0.15	13.20	2.60	2.37	0.22
10.65	0.72	0.52	0.16	13.25	2.61	2.38	0.21
10.70	0.73	0.53	0.17	13.30	2.62	2.39	0.20
10.75	0.74	0.54	0.17	13.35	2.63	2.40	0.19
10.80	0.75	0.55	0.18	13.40	2.64	2.41	0.18
10.85	0.77	0.57	0.19	13.45	2.65	2.42	0.18
10.90	0.78	0.58	0.20	13.50	2.66	2.43	0.17
10.95	0.79	0.59	0.21	13.55	2.67	2.44	0.16
11.00	0.80	0.60	0.21	13.60	2.68	2.45	0.15
11.05	0.82	0.62	0.22	13.65	2.68	2.45	0.15
11.10	0.83	0.63	0.24	13.70	2.69	2.46	0.14
11.15	0.85	0.65	0.25	13.75	2.70	2.47	0.14
11.20	0.87	0.66	0.27	13.80	2.71	2.48	0.14
11.25	0.89	0.68	0.29	13.85	2.72	2.49	0.14
11.30	0.91	0.70	0.30	13.90	2.72	2.49	0.13
11.35	0.93	0.72	0.32	13.95	2.73	2.50	0.13
11.40	0.95	0.74	0.33	14.00	2.74	2.51	0.13
11.45	0.97	0.76	0.35	14.05	2.75	2.52	0.13
11.50	0.99	0.78	0.36	14.10	2.75	2.52	0.13
11.55	1.02	0.81	0.41	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.51	14.20	2.77	2.54	0.12
11.65	1.09	0.88	0.56	14.25	2.77	2.54	0.12
11.70	1.13	0.92	0.59	14.30	2.78	2.55	0.12
11.75	1.18	0.96	0.65	14.35	2.79	2.56	0.12
11.80	1.23	1.01	0.76	14.40	2.79	2.56	0.11
11.85	1.29	1.08	0.88	14.45	2.80	2.57	0.11
11.90	1.36	1.14	1.06	14.50	2.81	2.58	0.11
11.95	1.48	1.26	1.31	14.55	2.81	2.58	0.11
12.00	1.60	1.38	1.75	14.60	2.82	2.59	0.10
12.05	1.79	1.57	2.22	14.65	2.82	2.59	0.10
12.10	1.99	1.76	**2.95**	14.70	2.83	2.60	0.10
12.15	2.06	1.83	2.80	14.75	2.84	2.60	0.10
12.20	2.12	1.90	1.77	14.80	2.84	2.61	0.10
12.25	2.17	1.95	1.25	14.85	2.85	2.61	0.09
12.30	2.22	1.99	0.97	14.90	2.85	2.62	0.09
12.35	2.26	2.03	0.83	14.95	2.86	2.62	0.09
12.40	2.29	2.06	0.68	15.00	2.86	2.63	0.09
12.45	2.33	2.10	0.63	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.60	15.10	2.87	2.64	0.08
12.55	2.38	2.15	0.54	15.15	2.87	2.64	0.08
12.60	2.40	2.18	0.44	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.39	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.36	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.35	15.35	2.89	2.66	0.08
12.80	2.48	2.25	0.33	15.40	2.90	2.67	0.08
12.85	2.50	2.27	0.32	15.45	2.90	2.67	0.08
12.90	2.52	2.29	0.30	15.50	2.91	2.68	0.08
12.95	2.53	2.30	0.29	15.55	2.91	2.68	0.08

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.08	18.20	3.10	2.86	0.05
15.65	2.92	2.69	0.08	18.25	3.10	2.87	0.05
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.05
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.05
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.05
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.05
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.05
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.05
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.05
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.05
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.07	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.07	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.07	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.07	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.07	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.07	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.07	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.07	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.06	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.06	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.06	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.06	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.06	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.06	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.05	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.05	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.03
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.01
21.55	3.26	3.02	0.04	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.04	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.04	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.04	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.04	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.04	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.04	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

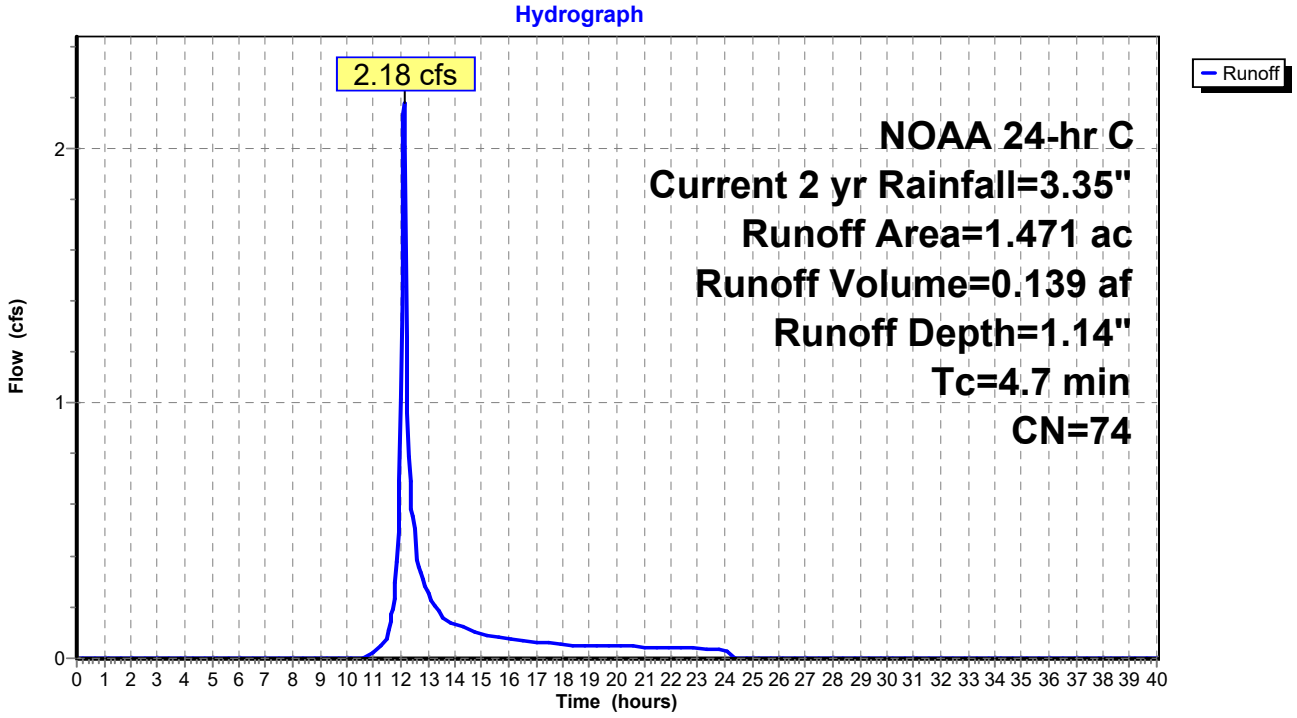
Runoff = 2.18 cfs @ 12.12 hrs, Volume= 0.139 af, Depth= 1.14"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.26
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.25
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.23
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.22
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.21
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.21
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.20
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.19
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.18
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.18
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.17
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.16
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.15
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.15
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.14
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.14
11.20	0.87	0.01	0.04	13.80	2.71	0.73	0.14
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.14
11.30	0.91	0.01	0.05	13.90	2.72	0.74	0.14
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.14
11.40	0.95	0.02	0.07	14.00	2.74	0.75	0.13
11.45	0.97	0.02	0.07	14.05	2.75	0.75	0.13
11.50	0.99	0.02	0.08	14.10	2.75	0.76	0.13
11.55	1.02	0.03	0.11	14.15	2.76	0.76	0.13
11.60	1.06	0.03	0.15	14.20	2.77	0.76	0.13
11.65	1.09	0.04	0.17	14.25	2.77	0.77	0.12
11.70	1.13	0.05	0.19	14.30	2.78	0.77	0.12
11.75	1.18	0.06	0.23	14.35	2.79	0.78	0.12
11.80	1.23	0.07	0.30	14.40	2.79	0.78	0.12
11.85	1.29	0.09	0.38	14.45	2.80	0.78	0.12
11.90	1.36	0.10	0.49	14.50	2.81	0.79	0.11
11.95	1.48	0.14	0.69	14.55	2.81	0.79	0.11
12.00	1.60	0.18	1.01	14.60	2.82	0.80	0.11
12.05	1.79	0.26	1.46	14.65	2.82	0.80	0.11
12.10	1.99	0.34	**2.13**	14.70	2.83	0.80	0.10
12.15	2.06	0.38	2.01	14.75	2.84	0.81	0.10
12.20	2.12	0.41	1.26	14.80	2.84	0.81	0.10
12.25	2.17	0.43	0.96	14.85	2.85	0.81	0.10
12.30	2.22	0.46	0.79	14.90	2.85	0.82	0.10
12.35	2.26	0.48	0.69	14.95	2.86	0.82	0.09
12.40	2.29	0.50	0.59	15.00	2.86	0.82	0.09
12.45	2.33	0.51	0.55	15.05	2.87	0.82	0.09
12.50	2.36	0.53	0.54	15.10	2.87	0.83	0.09
12.55	2.38	0.54	0.48	15.15	2.87	0.83	0.09
12.60	2.40	0.55	0.39	15.20	2.88	0.83	0.09
12.65	2.42	0.57	0.35	15.25	2.88	0.84	0.08
12.70	2.44	0.58	0.34	15.30	2.89	0.84	0.08
12.75	2.46	0.59	0.33	15.35	2.89	0.84	0.08
12.80	2.48	0.60	0.31	15.40	2.90	0.84	0.08
12.85	2.50	0.61	0.30	15.45	2.90	0.85	0.08
12.90	2.52	0.62	0.29	15.50	2.91	0.85	0.08
12.95	2.53	0.63	0.27	15.55	2.91	0.85	0.08

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.08	18.20	3.10	0.97	0.05
15.65	2.92	0.86	0.08	18.25	3.10	0.97	0.05
15.70	2.92	0.86	0.08	18.30	3.10	0.97	0.05
15.75	2.93	0.86	0.08	18.35	3.10	0.97	0.05
15.80	2.93	0.87	0.08	18.40	3.11	0.98	0.05
15.85	2.94	0.87	0.08	18.45	3.11	0.98	0.05
15.90	2.94	0.87	0.08	18.50	3.11	0.98	0.05
15.95	2.94	0.87	0.08	18.55	3.11	0.98	0.05
16.00	2.95	0.88	0.08	18.60	3.12	0.98	0.05
16.05	2.95	0.88	0.08	18.65	3.12	0.98	0.05
16.10	2.96	0.88	0.08	18.70	3.12	0.99	0.05
16.15	2.96	0.88	0.07	18.75	3.12	0.99	0.05
16.20	2.96	0.89	0.07	18.80	3.13	0.99	0.05
16.25	2.97	0.89	0.07	18.85	3.13	0.99	0.05
16.30	2.97	0.89	0.07	18.90	3.13	0.99	0.05
16.35	2.98	0.89	0.07	18.95	3.13	0.99	0.05
16.40	2.98	0.90	0.07	19.00	3.14	1.00	0.05
16.45	2.98	0.90	0.07	19.05	3.14	1.00	0.05
16.50	2.99	0.90	0.07	19.10	3.14	1.00	0.05
16.55	2.99	0.90	0.07	19.15	3.14	1.00	0.05
16.60	3.00	0.91	0.07	19.20	3.15	1.00	0.05
16.65	3.00	0.91	0.07	19.25	3.15	1.00	0.05
16.70	3.00	0.91	0.07	19.30	3.15	1.01	0.05
16.75	3.01	0.91	0.07	19.35	3.15	1.01	0.05
16.80	3.01	0.91	0.07	19.40	3.16	1.01	0.05
16.85	3.01	0.92	0.07	19.45	3.16	1.01	0.05
16.90	3.02	0.92	0.07	19.50	3.16	1.01	0.05
16.95	3.02	0.92	0.07	19.55	3.16	1.01	0.05
17.00	3.02	0.92	0.07	19.60	3.17	1.02	0.05
17.05	3.03	0.93	0.06	19.65	3.17	1.02	0.05
17.10	3.03	0.93	0.06	19.70	3.17	1.02	0.05
17.15	3.03	0.93	0.06	19.75	3.17	1.02	0.05
17.20	3.04	0.93	0.06	19.80	3.18	1.02	0.05
17.25	3.04	0.93	0.06	19.85	3.18	1.02	0.05
17.30	3.04	0.94	0.06	19.90	3.18	1.03	0.05
17.35	3.05	0.94	0.06	19.95	3.18	1.03	0.05
17.40	3.05	0.94	0.06	20.00	3.19	1.03	0.05
17.45	3.05	0.94	0.06	20.05	3.19	1.03	0.05
17.50	3.06	0.94	0.06	20.10	3.19	1.03	0.05
17.55	3.06	0.95	0.06	20.15	3.19	1.03	0.05
17.60	3.06	0.95	0.06	20.20	3.20	1.03	0.05
17.65	3.06	0.95	0.06	20.25	3.20	1.04	0.05
17.70	3.07	0.95	0.06	20.30	3.20	1.04	0.05
17.75	3.07	0.95	0.06	20.35	3.20	1.04	0.05
17.80	3.07	0.96	0.06	20.40	3.20	1.04	0.05
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.05
17.90	3.08	0.96	0.05	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.05	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.05	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.05	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.05	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.05	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.04
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.04
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.04
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.04
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.04
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.04
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.04
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.04
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.04	23.95	3.35	1.14	0.04
21.40	3.25	1.07	0.04	24.00	**3.35**	**1.14**	0.04
21.45	3.25	1.07	0.04	24.05	3.35	1.14	0.03
21.50	3.25	1.07	0.04	24.10	3.35	1.14	0.01
21.55	3.26	1.07	0.04	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.04	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.04	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.04	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.04	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.04	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.04	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.04	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.04	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.04	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.04	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.04	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.04	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.04	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.04	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.04	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.04	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.04	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.04	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.04	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.04	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.04	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.04	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.04	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.04	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

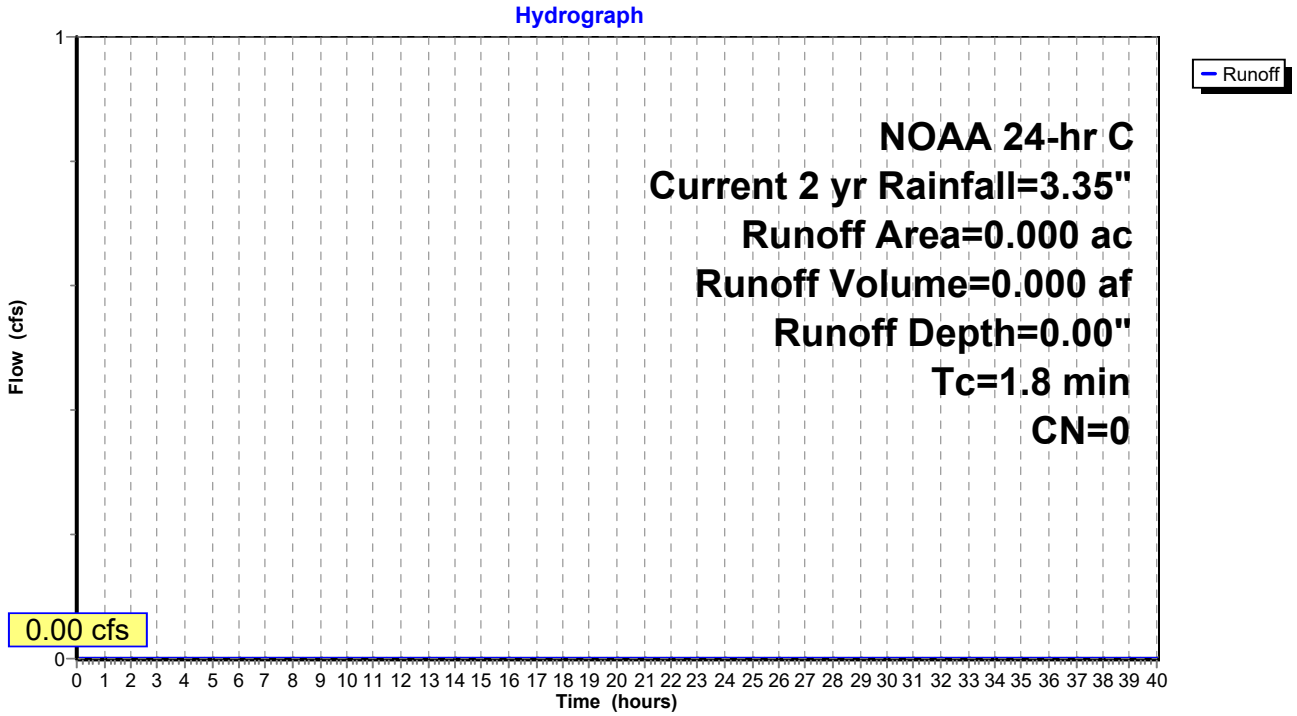
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.00	0.00
10.45	0.68	0.00	0.00	13.05	2.56	0.00	0.00
10.50	0.69	0.00	0.00	13.10	2.57	0.00	0.00
10.55	0.70	0.00	0.00	13.15	2.58	0.00	0.00
10.60	0.71	0.00	0.00	13.20	2.60	0.00	0.00
10.65	0.72	0.00	0.00	13.25	2.61	0.00	0.00
10.70	0.73	0.00	0.00	13.30	2.62	0.00	0.00
10.75	0.74	0.00	0.00	13.35	2.63	0.00	0.00
10.80	0.75	0.00	0.00	13.40	2.64	0.00	0.00
10.85	0.77	0.00	0.00	13.45	2.65	0.00	0.00
10.90	0.78	0.00	0.00	13.50	2.66	0.00	0.00
10.95	0.79	0.00	0.00	13.55	2.67	0.00	0.00
11.00	0.80	0.00	0.00	13.60	2.68	0.00	0.00
11.05	0.82	0.00	0.00	13.65	2.68	0.00	0.00
11.10	0.83	0.00	0.00	13.70	2.69	0.00	0.00
11.15	0.85	0.00	0.00	13.75	2.70	0.00	0.00
11.20	0.87	0.00	0.00	13.80	2.71	0.00	0.00
11.25	0.89	0.00	0.00	13.85	2.72	0.00	0.00
11.30	0.91	0.00	0.00	13.90	2.72	0.00	0.00
11.35	0.93	0.00	0.00	13.95	2.73	0.00	0.00
11.40	0.95	0.00	0.00	14.00	2.74	0.00	0.00
11.45	0.97	0.00	0.00	14.05	2.75	0.00	0.00
11.50	0.99	0.00	0.00	14.10	2.75	0.00	0.00
11.55	1.02	0.00	0.00	14.15	2.76	0.00	0.00
11.60	1.06	0.00	0.00	14.20	2.77	0.00	0.00
11.65	1.09	0.00	0.00	14.25	2.77	0.00	0.00
11.70	1.13	0.00	0.00	14.30	2.78	0.00	0.00
11.75	1.18	0.00	0.00	14.35	2.79	0.00	0.00
11.80	1.23	0.00	0.00	14.40	2.79	0.00	0.00
11.85	1.29	0.00	0.00	14.45	2.80	0.00	0.00
11.90	1.36	0.00	0.00	14.50	2.81	0.00	0.00
11.95	1.48	0.00	0.00	14.55	2.81	0.00	0.00
12.00	1.60	0.00	0.00	14.60	2.82	0.00	0.00
12.05	1.79	0.00	0.00	14.65	2.82	0.00	0.00
12.10	1.99	0.00	0.00	14.70	2.83	0.00	0.00
12.15	2.06	0.00	0.00	14.75	2.84	0.00	0.00
12.20	2.12	0.00	0.00	14.80	2.84	0.00	0.00
12.25	2.17	0.00	0.00	14.85	2.85	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.26	0.00	0.00	14.95	2.86	0.00	0.00
12.40	2.29	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.33	0.00	0.00	15.05	2.87	0.00	0.00
12.50	2.36	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.38	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.40	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.42	0.00	0.00	15.25	2.88	0.00	0.00
12.70	2.44	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.46	0.00	0.00	15.35	2.89	0.00	0.00
12.80	2.48	0.00	0.00	15.40	2.90	0.00	0.00
12.85	2.50	0.00	0.00	15.45	2.90	0.00	0.00
12.90	2.52	0.00	0.00	15.50	2.91	0.00	0.00
12.95	2.53	0.00	0.00	15.55	2.91	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.00	0.00	18.20	3.10	0.00	0.00
15.65	2.92	0.00	0.00	18.25	3.10	0.00	0.00
15.70	2.92	0.00	0.00	18.30	3.10	0.00	0.00
15.75	2.93	0.00	0.00	18.35	3.10	0.00	0.00
15.80	2.93	0.00	0.00	18.40	3.11	0.00	0.00
15.85	2.94	0.00	0.00	18.45	3.11	0.00	0.00
15.90	2.94	0.00	0.00	18.50	3.11	0.00	0.00
15.95	2.94	0.00	0.00	18.55	3.11	0.00	0.00
16.00	2.95	0.00	0.00	18.60	3.12	0.00	0.00
16.05	2.95	0.00	0.00	18.65	3.12	0.00	0.00
16.10	2.96	0.00	0.00	18.70	3.12	0.00	0.00
16.15	2.96	0.00	0.00	18.75	3.12	0.00	0.00
16.20	2.96	0.00	0.00	18.80	3.13	0.00	0.00
16.25	2.97	0.00	0.00	18.85	3.13	0.00	0.00
16.30	2.97	0.00	0.00	18.90	3.13	0.00	0.00
16.35	2.98	0.00	0.00	18.95	3.13	0.00	0.00
16.40	2.98	0.00	0.00	19.00	3.14	0.00	0.00
16.45	2.98	0.00	0.00	19.05	3.14	0.00	0.00
16.50	2.99	0.00	0.00	19.10	3.14	0.00	0.00
16.55	2.99	0.00	0.00	19.15	3.14	0.00	0.00
16.60	3.00	0.00	0.00	19.20	3.15	0.00	0.00
16.65	3.00	0.00	0.00	19.25	3.15	0.00	0.00
16.70	3.00	0.00	0.00	19.30	3.15	0.00	0.00
16.75	3.01	0.00	0.00	19.35	3.15	0.00	0.00
16.80	3.01	0.00	0.00	19.40	3.16	0.00	0.00
16.85	3.01	0.00	0.00	19.45	3.16	0.00	0.00
16.90	3.02	0.00	0.00	19.50	3.16	0.00	0.00
16.95	3.02	0.00	0.00	19.55	3.16	0.00	0.00
17.00	3.02	0.00	0.00	19.60	3.17	0.00	0.00
17.05	3.03	0.00	0.00	19.65	3.17	0.00	0.00
17.10	3.03	0.00	0.00	19.70	3.17	0.00	0.00
17.15	3.03	0.00	0.00	19.75	3.17	0.00	0.00
17.20	3.04	0.00	0.00	19.80	3.18	0.00	0.00
17.25	3.04	0.00	0.00	19.85	3.18	0.00	0.00
17.30	3.04	0.00	0.00	19.90	3.18	0.00	0.00
17.35	3.05	0.00	0.00	19.95	3.18	0.00	0.00
17.40	3.05	0.00	0.00	20.00	3.19	0.00	0.00
17.45	3.05	0.00	0.00	20.05	3.19	0.00	0.00
17.50	3.06	0.00	0.00	20.10	3.19	0.00	0.00
17.55	3.06	0.00	0.00	20.15	3.19	0.00	0.00
17.60	3.06	0.00	0.00	20.20	3.20	0.00	0.00
17.65	3.06	0.00	0.00	20.25	3.20	0.00	0.00
17.70	3.07	0.00	0.00	20.30	3.20	0.00	0.00
17.75	3.07	0.00	0.00	20.35	3.20	0.00	0.00
17.80	3.07	0.00	0.00	20.40	3.20	0.00	0.00
17.85	3.08	0.00	0.00	20.45	3.21	0.00	0.00
17.90	3.08	0.00	0.00	20.50	3.21	0.00	0.00
17.95	3.08	0.00	0.00	20.55	3.21	0.00	0.00
18.00	3.08	0.00	0.00	20.60	3.21	0.00	0.00
18.05	3.09	0.00	0.00	20.65	3.22	0.00	0.00
18.10	3.09	0.00	0.00	20.70	3.22	0.00	0.00
18.15	3.09	0.00	0.00	20.75	3.22	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.00	0.00	23.40	3.33	0.00	0.00
20.85	3.23	0.00	0.00	23.45	3.33	0.00	0.00
20.90	3.23	0.00	0.00	23.50	3.33	0.00	0.00
20.95	3.23	0.00	0.00	23.55	3.33	0.00	0.00
21.00	3.23	0.00	0.00	23.60	3.34	0.00	0.00
21.05	3.23	0.00	0.00	23.65	3.34	0.00	0.00
21.10	3.24	0.00	0.00	23.70	3.34	0.00	0.00
21.15	3.24	0.00	0.00	23.75	3.34	0.00	0.00
21.20	3.24	0.00	0.00	23.80	3.34	0.00	0.00
21.25	3.24	0.00	0.00	23.85	3.34	0.00	0.00
21.30	3.24	0.00	0.00	23.90	3.35	0.00	0.00
21.35	3.25	0.00	0.00	23.95	3.35	0.00	0.00
21.40	3.25	0.00	0.00	24.00	**3.35**	0.00	0.00
21.45	3.25	0.00	0.00	24.05	3.35	0.00	0.00
21.50	3.25	0.00	0.00	24.10	3.35	0.00	0.00
21.55	3.26	0.00	0.00	24.15	3.35	0.00	0.00
21.60	3.26	0.00	0.00	24.20	3.35	0.00	0.00
21.65	3.26	0.00	0.00	24.25	3.35	0.00	0.00
21.70	3.26	0.00	0.00	24.30	3.35	0.00	0.00
21.75	3.26	0.00	0.00	24.35	3.35	0.00	0.00
21.80	3.27	0.00	0.00	24.40	3.35	0.00	0.00
21.85	3.27	0.00	0.00	24.45	3.35	0.00	0.00
21.90	3.27	0.00	0.00	24.50	3.35	0.00	0.00
21.95	3.27	0.00	0.00	24.55	3.35	0.00	0.00
22.00	3.27	0.00	0.00	24.60	3.35	0.00	0.00
22.05	3.28	0.00	0.00	24.65	3.35	0.00	0.00
22.10	3.28	0.00	0.00	24.70	3.35	0.00	0.00
22.15	3.28	0.00	0.00	24.75	3.35	0.00	0.00
22.20	3.28	0.00	0.00	24.80	3.35	0.00	0.00
22.25	3.28	0.00	0.00	24.85	3.35	0.00	0.00
22.30	3.29	0.00	0.00	24.90	3.35	0.00	0.00
22.35	3.29	0.00	0.00	24.95	3.35	0.00	0.00
22.40	3.29	0.00	0.00	25.00	3.35	0.00	0.00
22.45	3.29	0.00	0.00	25.05	3.35	0.00	0.00
22.50	3.29	0.00	0.00	25.10	3.35	0.00	0.00
22.55	3.30	0.00	0.00	25.15	3.35	0.00	0.00
22.60	3.30	0.00	0.00	25.20	3.35	0.00	0.00
22.65	3.30	0.00	0.00	25.25	3.35	0.00	0.00
22.70	3.30	0.00	0.00	25.30	3.35	0.00	0.00
22.75	3.30	0.00	0.00	25.35	3.35	0.00	0.00
22.80	3.31	0.00	0.00	25.40	3.35	0.00	0.00
22.85	3.31	0.00	0.00	25.45	3.35	0.00	0.00
22.90	3.31	0.00	0.00	25.50	3.35	0.00	0.00
22.95	3.31	0.00	0.00	25.55	3.35	0.00	0.00
23.00	3.31	0.00	0.00	25.60	3.35	0.00	0.00
23.05	3.32	0.00	0.00	25.65	3.35	0.00	0.00
23.10	3.32	0.00	0.00	25.70	3.35	0.00	0.00
23.15	3.32	0.00	0.00	25.75	3.35	0.00	0.00
23.20	3.32	0.00	0.00	25.80	3.35	0.00	0.00
23.25	3.32	0.00	0.00	25.85	3.35	0.00	0.00
23.30	3.32	0.00	0.00	25.90	3.35	0.00	0.00
23.35	3.33	0.00	0.00	25.95	3.35	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.00	0.00	28.60	3.35	0.00	0.00
26.05	3.35	0.00	0.00	28.65	3.35	0.00	0.00
26.10	3.35	0.00	0.00	28.70	3.35	0.00	0.00
26.15	3.35	0.00	0.00	28.75	3.35	0.00	0.00
26.20	3.35	0.00	0.00	28.80	3.35	0.00	0.00
26.25	3.35	0.00	0.00	28.85	3.35	0.00	0.00
26.30	3.35	0.00	0.00	28.90	3.35	0.00	0.00
26.35	3.35	0.00	0.00	28.95	3.35	0.00	0.00
26.40	3.35	0.00	0.00	29.00	3.35	0.00	0.00
26.45	3.35	0.00	0.00	29.05	3.35	0.00	0.00
26.50	3.35	0.00	0.00	29.10	3.35	0.00	0.00
26.55	3.35	0.00	0.00	29.15	3.35	0.00	0.00
26.60	3.35	0.00	0.00	29.20	3.35	0.00	0.00
26.65	3.35	0.00	0.00	29.25	3.35	0.00	0.00
26.70	3.35	0.00	0.00	29.30	3.35	0.00	0.00
26.75	3.35	0.00	0.00	29.35	3.35	0.00	0.00
26.80	3.35	0.00	0.00	29.40	3.35	0.00	0.00
26.85	3.35	0.00	0.00	29.45	3.35	0.00	0.00
26.90	3.35	0.00	0.00	29.50	3.35	0.00	0.00
26.95	3.35	0.00	0.00	29.55	3.35	0.00	0.00
27.00	3.35	0.00	0.00	29.60	3.35	0.00	0.00
27.05	3.35	0.00	0.00	29.65	3.35	0.00	0.00
27.10	3.35	0.00	0.00	29.70	3.35	0.00	0.00
27.15	3.35	0.00	0.00	29.75	3.35	0.00	0.00
27.20	3.35	0.00	0.00	29.80	3.35	0.00	0.00
27.25	3.35	0.00	0.00	29.85	3.35	0.00	0.00
27.30	3.35	0.00	0.00	29.90	3.35	0.00	0.00
27.35	3.35	0.00	0.00	29.95	3.35	0.00	0.00
27.40	3.35	0.00	0.00	30.00	3.35	0.00	0.00
27.45	3.35	0.00	0.00	30.05	3.35	0.00	0.00
27.50	3.35	0.00	0.00	30.10	3.35	0.00	0.00
27.55	3.35	0.00	0.00	30.15	3.35	0.00	0.00
27.60	3.35	0.00	0.00	30.20	3.35	0.00	0.00
27.65	3.35	0.00	0.00	30.25	3.35	0.00	0.00
27.70	3.35	0.00	0.00	30.30	3.35	0.00	0.00
27.75	3.35	0.00	0.00	30.35	3.35	0.00	0.00
27.80	3.35	0.00	0.00	30.40	3.35	0.00	0.00
27.85	3.35	0.00	0.00	30.45	3.35	0.00	0.00
27.90	3.35	0.00	0.00	30.50	3.35	0.00	0.00
27.95	3.35	0.00	0.00	30.55	3.35	0.00	0.00
28.00	3.35	0.00	0.00	30.60	3.35	0.00	0.00
28.05	3.35	0.00	0.00	30.65	3.35	0.00	0.00
28.10	3.35	0.00	0.00	30.70	3.35	0.00	0.00
28.15	3.35	0.00	0.00	30.75	3.35	0.00	0.00
28.20	3.35	0.00	0.00	30.80	3.35	0.00	0.00
28.25	3.35	0.00	0.00	30.85	3.35	0.00	0.00
28.30	3.35	0.00	0.00	30.90	3.35	0.00	0.00
28.35	3.35	0.00	0.00	30.95	3.35	0.00	0.00
28.40	3.35	0.00	0.00	31.00	3.35	0.00	0.00
28.45	3.35	0.00	0.00	31.05	3.35	0.00	0.00
28.50	3.35	0.00	0.00	31.10	3.35	0.00	0.00
28.55	3.35	0.00	0.00	31.15	3.35	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.00	0.00	33.80	3.35	0.00	0.00
31.25	3.35	0.00	0.00	33.85	3.35	0.00	0.00
31.30	3.35	0.00	0.00	33.90	3.35	0.00	0.00
31.35	3.35	0.00	0.00	33.95	3.35	0.00	0.00
31.40	3.35	0.00	0.00	34.00	3.35	0.00	0.00
31.45	3.35	0.00	0.00	34.05	3.35	0.00	0.00
31.50	3.35	0.00	0.00	34.10	3.35	0.00	0.00
31.55	3.35	0.00	0.00	34.15	3.35	0.00	0.00
31.60	3.35	0.00	0.00	34.20	3.35	0.00	0.00
31.65	3.35	0.00	0.00	34.25	3.35	0.00	0.00
31.70	3.35	0.00	0.00	34.30	3.35	0.00	0.00
31.75	3.35	0.00	0.00	34.35	3.35	0.00	0.00
31.80	3.35	0.00	0.00	34.40	3.35	0.00	0.00
31.85	3.35	0.00	0.00	34.45	3.35	0.00	0.00
31.90	3.35	0.00	0.00	34.50	3.35	0.00	0.00
31.95	3.35	0.00	0.00	34.55	3.35	0.00	0.00
32.00	3.35	0.00	0.00	34.60	3.35	0.00	0.00
32.05	3.35	0.00	0.00	34.65	3.35	0.00	0.00
32.10	3.35	0.00	0.00	34.70	3.35	0.00	0.00
32.15	3.35	0.00	0.00	34.75	3.35	0.00	0.00
32.20	3.35	0.00	0.00	34.80	3.35	0.00	0.00
32.25	3.35	0.00	0.00	34.85	3.35	0.00	0.00
32.30	3.35	0.00	0.00	34.90	3.35	0.00	0.00
32.35	3.35	0.00	0.00	34.95	3.35	0.00	0.00
32.40	3.35	0.00	0.00	35.00	3.35	0.00	0.00
32.45	3.35	0.00	0.00	35.05	3.35	0.00	0.00
32.50	3.35	0.00	0.00	35.10	3.35	0.00	0.00
32.55	3.35	0.00	0.00	35.15	3.35	0.00	0.00
32.60	3.35	0.00	0.00	35.20	3.35	0.00	0.00
32.65	3.35	0.00	0.00	35.25	3.35	0.00	0.00
32.70	3.35	0.00	0.00	35.30	3.35	0.00	0.00
32.75	3.35	0.00	0.00	35.35	3.35	0.00	0.00
32.80	3.35	0.00	0.00	35.40	3.35	0.00	0.00
32.85	3.35	0.00	0.00	35.45	3.35	0.00	0.00
32.90	3.35	0.00	0.00	35.50	3.35	0.00	0.00
32.95	3.35	0.00	0.00	35.55	3.35	0.00	0.00
33.00	3.35	0.00	0.00	35.60	3.35	0.00	0.00
33.05	3.35	0.00	0.00	35.65	3.35	0.00	0.00
33.10	3.35	0.00	0.00	35.70	3.35	0.00	0.00
33.15	3.35	0.00	0.00	35.75	3.35	0.00	0.00
33.20	3.35	0.00	0.00	35.80	3.35	0.00	0.00
33.25	3.35	0.00	0.00	35.85	3.35	0.00	0.00
33.30	3.35	0.00	0.00	35.90	3.35	0.00	0.00
33.35	3.35	0.00	0.00	35.95	3.35	0.00	0.00
33.40	3.35	0.00	0.00	36.00	3.35	0.00	0.00
33.45	3.35	0.00	0.00	36.05	3.35	0.00	0.00
33.50	3.35	0.00	0.00	36.10	3.35	0.00	0.00
33.55	3.35	0.00	0.00	36.15	3.35	0.00	0.00
33.60	3.35	0.00	0.00	36.20	3.35	0.00	0.00
33.65	3.35	0.00	0.00	36.25	3.35	0.00	0.00
33.70	3.35	0.00	0.00	36.30	3.35	0.00	0.00
33.75	3.35	0.00	0.00	36.35	3.35	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.00	0.00
36.45	3.35	0.00	0.00
36.50	3.35	0.00	0.00
36.55	3.35	0.00	0.00
36.60	3.35	0.00	0.00
36.65	3.35	0.00	0.00
36.70	3.35	0.00	0.00
36.75	3.35	0.00	0.00
36.80	3.35	0.00	0.00
36.85	3.35	0.00	0.00
36.90	3.35	0.00	0.00
36.95	3.35	0.00	0.00
37.00	3.35	0.00	0.00
37.05	3.35	0.00	0.00
37.10	3.35	0.00	0.00
37.15	3.35	0.00	0.00
37.20	3.35	0.00	0.00
37.25	3.35	0.00	0.00
37.30	3.35	0.00	0.00
37.35	3.35	0.00	0.00
37.40	3.35	0.00	0.00
37.45	3.35	0.00	0.00
37.50	3.35	0.00	0.00
37.55	3.35	0.00	0.00
37.60	3.35	0.00	0.00
37.65	3.35	0.00	0.00
37.70	3.35	0.00	0.00
37.75	3.35	0.00	0.00
37.80	3.35	0.00	0.00
37.85	3.35	0.00	0.00
37.90	3.35	0.00	0.00
37.95	3.35	0.00	0.00
38.00	3.35	0.00	0.00
38.05	3.35	0.00	0.00
38.10	3.35	0.00	0.00
38.15	3.35	0.00	0.00
38.20	3.35	0.00	0.00
38.25	3.35	0.00	0.00
38.30	3.35	0.00	0.00
38.35	3.35	0.00	0.00
38.40	3.35	0.00	0.00
38.45	3.35	0.00	0.00
38.50	3.35	0.00	0.00
38.55	3.35	0.00	0.00
38.60	3.35	0.00	0.00
38.65	3.35	0.00	0.00
38.70	3.35	0.00	0.00
38.75	3.35	0.00	0.00
38.80	3.35	0.00	0.00
38.85	3.35	0.00	0.00
38.90	3.35	0.00	0.00
38.95	3.35	0.00	0.00
39.00	3.35	0.00	0.00
39.05	3.35	0.00	0.00
39.10	3.35	0.00	0.00
39.15	3.35	0.00	0.00
39.20	3.35	0.00	0.00
39.25	3.35	0.00	0.00
39.30	3.35	0.00	0.00
39.35	3.35	0.00	0.00
39.40	3.35	0.00	0.00
39.45	3.35	0.00	0.00
39.50	3.35	0.00	0.00
39.55	3.35	0.00	0.00
39.60	3.35	0.00	0.00
39.65	3.35	0.00	0.00
39.70	3.35	0.00	0.00
39.75	3.35	0.00	0.00
39.80	3.35	0.00	0.00
39.85	3.35	0.00	0.00
39.90	3.35	0.00	0.00
39.95	3.35	0.00	0.00
40.00	3.35	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

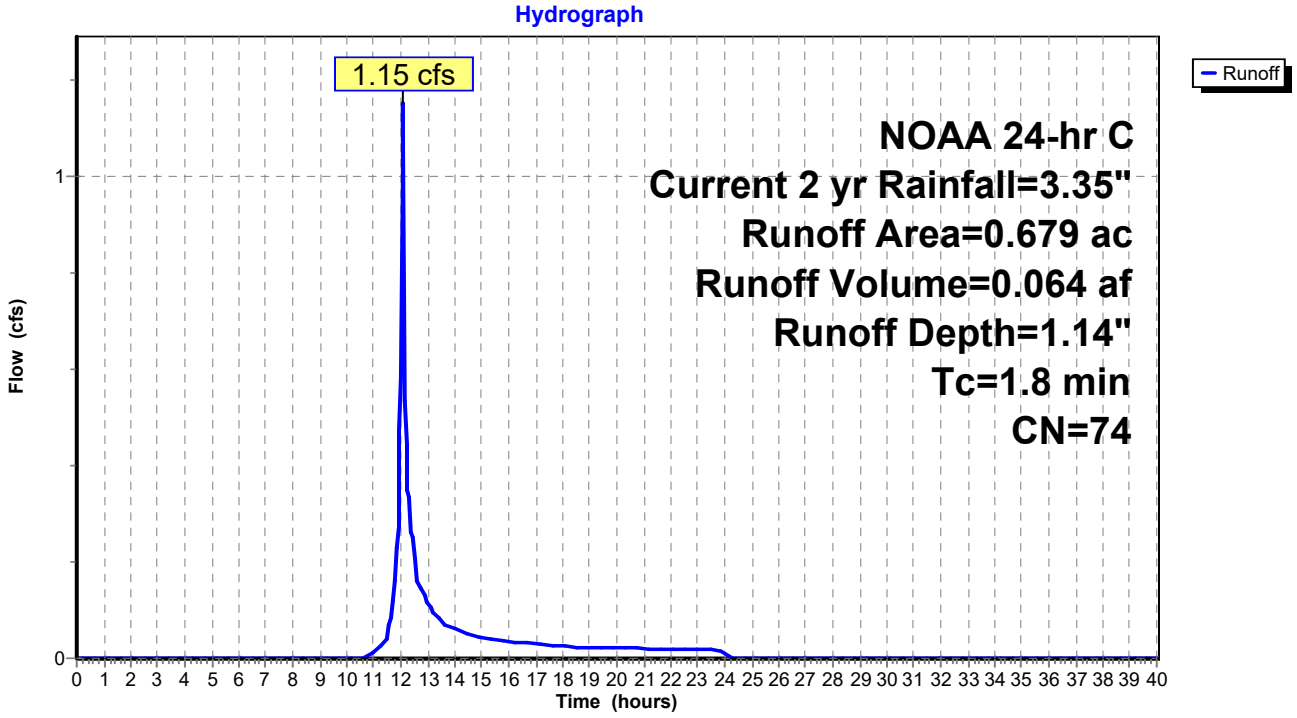
Runoff = 1.15 cfs @ 12.08 hrs, Volume= 0.064 af, Depth= 1.14"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.12
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.11
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.10
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.10
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.10
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.09
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.09
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.08
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.08
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.08
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.08
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.07
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.07
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.07
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.07
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.06
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.06
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.06
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.06
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.06
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.06
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.06
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.06
11.55	1.02	0.03	0.07	14.15	2.76	0.76	0.06
11.60	1.06	0.03	0.08	14.20	2.77	0.76	0.06
11.65	1.09	0.04	0.09	14.25	2.77	0.77	0.06
11.70	1.13	0.05	0.10	14.30	2.78	0.77	0.06
11.75	1.18	0.06	0.14	14.35	2.79	0.78	0.05
11.80	1.23	0.07	0.16	14.40	2.79	0.78	0.05
11.85	1.29	0.09	0.23	14.45	2.80	0.78	0.05
11.90	1.36	0.10	0.27	14.50	2.81	0.79	0.05
11.95	1.48	0.14	0.47	14.55	2.81	0.79	0.05
12.00	1.60	0.18	0.58	14.60	2.82	0.80	0.05
12.05	1.79	0.26	0.99	14.65	2.82	0.80	0.05
12.10	1.99	0.34	**1.12**	14.70	2.83	0.80	0.05
12.15	2.06	0.38	0.54	14.75	2.84	0.81	0.05
12.20	2.12	0.41	0.44	14.80	2.84	0.81	0.05
12.25	2.17	0.43	0.35	14.85	2.85	0.81	0.04
12.30	2.22	0.46	0.33	14.90	2.85	0.82	0.04
12.35	2.26	0.48	0.26	14.95	2.86	0.82	0.04
12.40	2.29	0.50	0.25	15.00	2.86	0.82	0.04
12.45	2.33	0.51	0.25	15.05	2.87	0.82	0.04
12.50	2.36	0.53	0.24	15.10	2.87	0.83	0.04
12.55	2.38	0.54	0.17	15.15	2.87	0.83	0.04
12.60	2.40	0.55	0.16	15.20	2.88	0.83	0.04
12.65	2.42	0.57	0.15	15.25	2.88	0.84	0.04
12.70	2.44	0.58	0.15	15.30	2.89	0.84	0.04
12.75	2.46	0.59	0.14	15.35	2.89	0.84	0.04
12.80	2.48	0.60	0.14	15.40	2.90	0.84	0.04
12.85	2.50	0.61	0.13	15.45	2.90	0.85	0.04
12.90	2.52	0.62	0.13	15.50	2.91	0.85	0.04
12.95	2.53	0.63	0.12	15.55	2.91	0.85	0.04

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.04	18.20	3.10	0.97	0.02
15.65	2.92	0.86	0.04	18.25	3.10	0.97	0.02
15.70	2.92	0.86	0.04	18.30	3.10	0.97	0.02
15.75	2.93	0.86	0.04	18.35	3.10	0.97	0.02
15.80	2.93	0.87	0.04	18.40	3.11	0.98	0.02
15.85	2.94	0.87	0.04	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.04	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.04	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.04	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.03	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.03	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.03	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.03	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.03	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.03	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.03	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.03	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.03	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.03	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.03	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.03	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.03	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.03	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.03	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.03	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.03	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.03	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.03	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.03	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.03	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.03	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.02	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.02	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.02	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.02	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.02	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.02	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

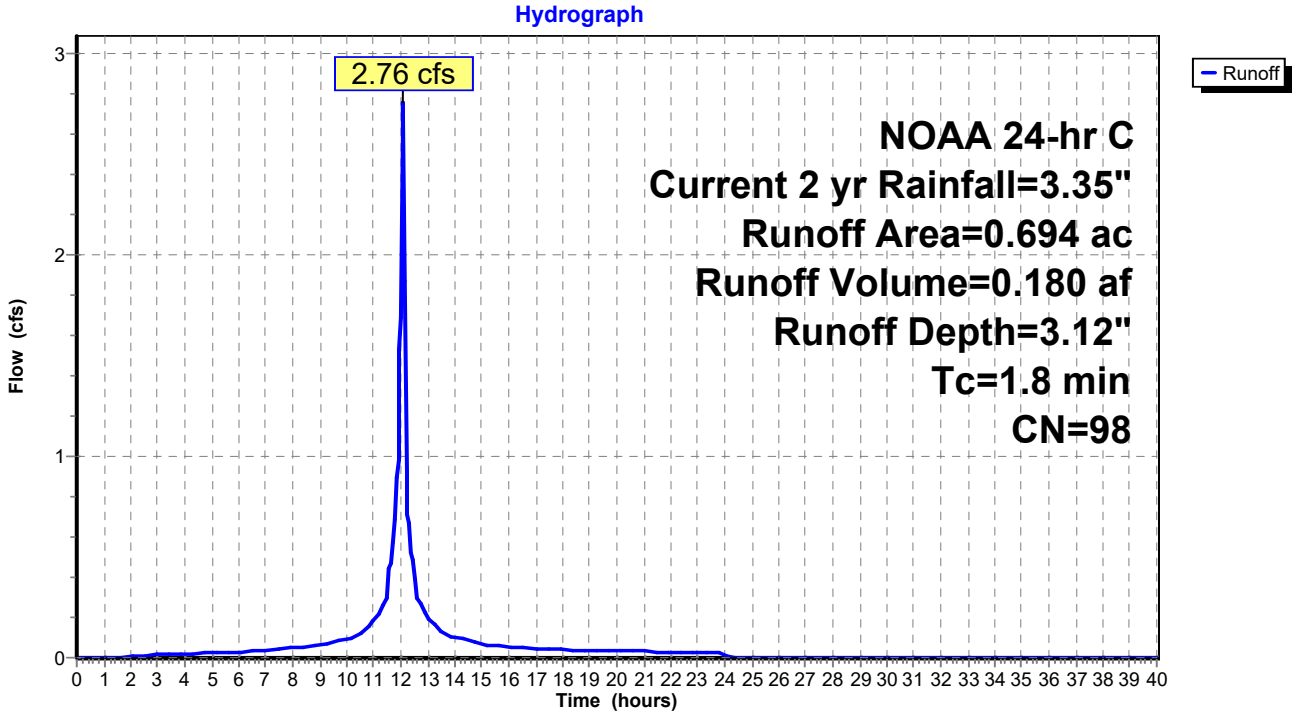
Runoff = 2.76 cfs @ 12.08 hrs, Volume= 0.180 af, Depth= 3.12"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.05
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.05
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.05
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.05
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.05
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.05
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.05
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.06
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.07
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.07
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.07
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.07
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.08
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.08
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.08
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.08
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.08
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.08
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.09
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.09
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.09
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.09
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.09
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.09
7.45	0.36	0.19	0.04	10.05	0.62	0.43	0.10
7.50	0.36	0.20	0.04	10.10	0.63	0.43	0.10
7.55	0.37	0.20	0.04	10.15	0.63	0.44	0.10
7.60	0.37	0.20	0.04	10.20	0.64	0.45	0.10
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.10
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.10
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.11

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.11	13.00	2.55	2.32	0.21
10.45	0.68	0.49	0.11	13.05	2.56	2.33	0.19
10.50	0.69	0.49	0.11	13.10	2.57	2.34	0.18
10.55	0.70	0.50	0.12	13.15	2.58	2.36	0.17
10.60	0.71	0.51	0.13	13.20	2.60	2.37	0.17
10.65	0.72	0.52	0.14	13.25	2.61	2.38	0.16
10.70	0.73	0.53	0.14	13.30	2.62	2.39	0.16
10.75	0.74	0.54	0.15	13.35	2.63	2.40	0.15
10.80	0.75	0.55	0.15	13.40	2.64	2.41	0.14
10.85	0.77	0.57	0.16	13.45	2.65	2.42	0.13
10.90	0.78	0.58	0.16	13.50	2.66	2.43	0.13
10.95	0.79	0.59	0.18	13.55	2.67	2.44	0.12
11.00	0.80	0.60	0.18	13.60	2.68	2.45	0.12
11.05	0.82	0.62	0.20	13.65	2.68	2.45	0.11
11.10	0.83	0.63	0.20	13.70	2.69	2.46	0.11
11.15	0.85	0.65	0.22	13.75	2.70	2.47	0.11
11.20	0.87	0.66	0.23	13.80	2.71	2.48	0.11
11.25	0.89	0.68	0.25	13.85	2.72	2.49	0.11
11.30	0.91	0.70	0.25	13.90	2.72	2.49	0.11
11.35	0.93	0.72	0.27	13.95	2.73	2.50	0.10
11.40	0.95	0.74	0.28	14.00	2.74	2.51	0.10
11.45	0.97	0.76	0.29	14.05	2.75	2.52	0.10
11.50	0.99	0.78	0.31	14.10	2.75	2.52	0.10
11.55	1.02	0.81	0.44	14.15	2.76	2.53	0.10
11.60	1.06	0.85	0.46	14.20	2.77	2.54	0.10
11.65	1.09	0.88	0.48	14.25	2.77	2.54	0.09
11.70	1.13	0.92	0.50	14.30	2.78	2.55	0.09
11.75	1.18	0.96	0.65	14.35	2.79	2.56	0.09
11.80	1.23	1.01	0.69	14.40	2.79	2.56	0.09
11.85	1.29	1.08	0.90	14.45	2.80	2.57	0.09
11.90	1.36	1.14	0.98	14.50	2.81	2.58	0.09
11.95	1.48	1.26	1.53	14.55	2.81	2.58	0.08
12.00	1.60	1.38	1.69	14.60	2.82	2.59	0.08
12.05	1.79	1.57	2.57	14.65	2.82	2.59	0.08
12.10	1.99	1.76	**2.58**	14.70	2.83	2.60	0.08
12.15	2.06	1.83	1.16	14.75	2.84	2.60	0.08
12.20	2.12	1.90	0.93	14.80	2.84	2.61	0.08
12.25	2.17	1.95	0.71	14.85	2.85	2.61	0.07
12.30	2.22	1.99	0.67	14.90	2.85	2.62	0.07
12.35	2.26	2.03	0.52	14.95	2.86	2.62	0.07
12.40	2.29	2.06	0.49	15.00	2.86	2.63	0.07
12.45	2.33	2.10	0.47	15.05	2.87	2.63	0.07
12.50	2.36	2.13	0.46	15.10	2.87	2.64	0.07
12.55	2.38	2.15	0.32	15.15	2.87	2.64	0.06
12.60	2.40	2.18	0.30	15.20	2.88	2.65	0.06
12.65	2.42	2.20	0.29	15.25	2.88	2.65	0.06
12.70	2.44	2.22	0.28	15.30	2.89	2.66	0.06
12.75	2.46	2.23	0.26	15.35	2.89	2.66	0.06
12.80	2.48	2.25	0.26	15.40	2.90	2.67	0.06
12.85	2.50	2.27	0.24	15.45	2.90	2.67	0.06
12.90	2.52	2.29	0.23	15.50	2.91	2.68	0.06
12.95	2.53	2.30	0.21	15.55	2.91	2.68	0.06

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.06	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.06	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.06	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.06	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.06	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.06	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.06	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.06	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.06	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.06	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.06	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.05	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.05	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.05	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.05	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.05	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.05	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.05	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.05	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.05	19.25	3.15	2.92	0.03
16.70	3.00	2.77	0.05	19.30	3.15	2.92	0.03
16.75	3.01	2.77	0.05	19.35	3.15	2.92	0.03
16.80	3.01	2.78	0.05	19.40	3.16	2.92	0.03
16.85	3.01	2.78	0.05	19.45	3.16	2.93	0.03
16.90	3.02	2.78	0.05	19.50	3.16	2.93	0.03
16.95	3.02	2.79	0.05	19.55	3.16	2.93	0.03
17.00	3.02	2.79	0.05	19.60	3.17	2.93	0.03
17.05	3.03	2.79	0.05	19.65	3.17	2.94	0.03
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.03
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.03
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.03
17.25	3.04	2.81	0.04	19.85	3.18	2.95	0.03
17.30	3.04	2.81	0.04	19.90	3.18	2.95	0.03
17.35	3.05	2.81	0.04	19.95	3.18	2.95	0.03
17.40	3.05	2.82	0.04	20.00	3.19	2.95	0.03
17.45	3.05	2.82	0.04	20.05	3.19	2.96	0.03
17.50	3.06	2.82	0.04	20.10	3.19	2.96	0.03
17.55	3.06	2.83	0.04	20.15	3.19	2.96	0.03
17.60	3.06	2.83	0.04	20.20	3.20	2.96	0.03
17.65	3.06	2.83	0.04	20.25	3.20	2.97	0.03
17.70	3.07	2.84	0.04	20.30	3.20	2.97	0.03
17.75	3.07	2.84	0.04	20.35	3.20	2.97	0.03
17.80	3.07	2.84	0.04	20.40	3.20	2.97	0.03
17.85	3.08	2.84	0.04	20.45	3.21	2.97	0.03
17.90	3.08	2.85	0.04	20.50	3.21	2.98	0.03
17.95	3.08	2.85	0.04	20.55	3.21	2.98	0.03
18.00	3.08	2.85	0.04	20.60	3.21	2.98	0.03
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.03
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.03
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.03

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.03	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.03	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

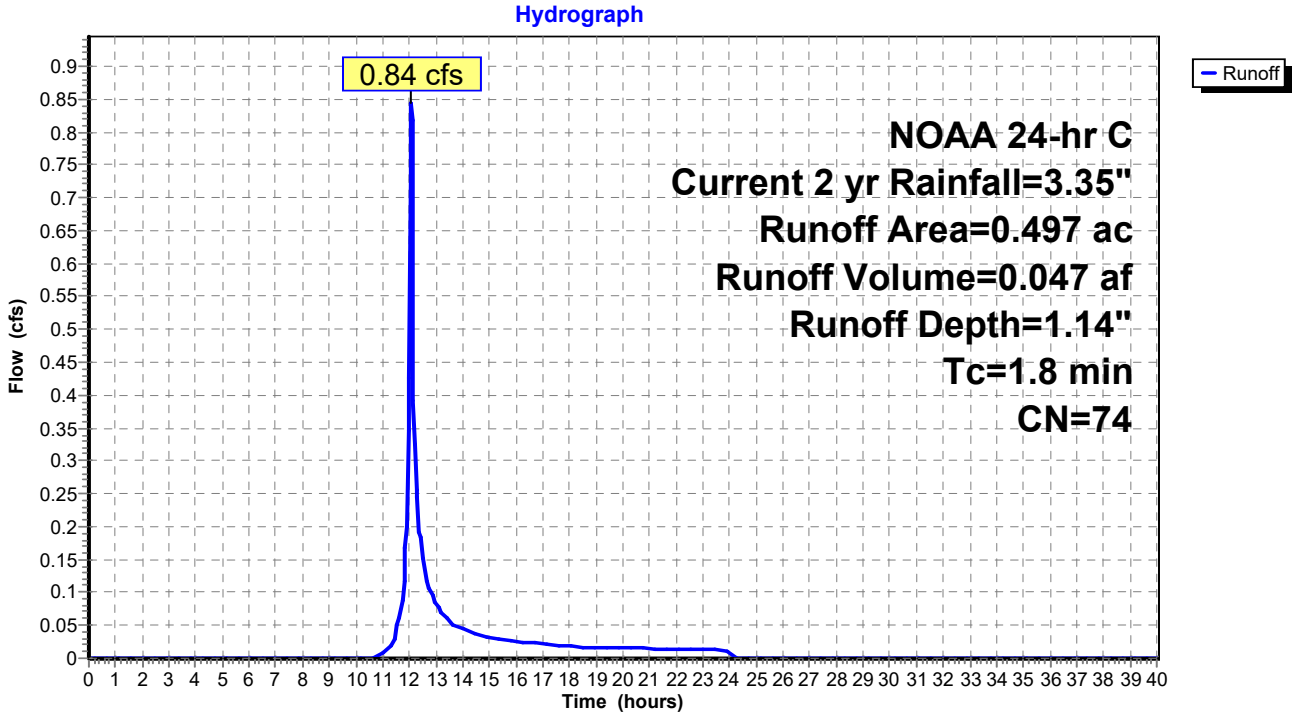
Runoff = 0.84 cfs @ 12.08 hrs, Volume= 0.047 af, Depth= 1.14"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.09
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.08
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.08
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.07
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.07
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.07
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.07
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.06
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.06
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.06
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.06
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.05
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.05
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.05
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.05
11.15	0.85	0.01	0.01	13.75	2.70	0.72	0.05
11.20	0.87	0.01	0.01	13.80	2.71	0.73	0.05
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.05
11.30	0.91	0.01	0.02	13.90	2.72	0.74	0.05
11.35	0.93	0.01	0.02	13.95	2.73	0.74	0.04
11.40	0.95	0.02	0.02	14.00	2.74	0.75	0.04
11.45	0.97	0.02	0.03	14.05	2.75	0.75	0.04
11.50	0.99	0.02	0.03	14.10	2.75	0.76	0.04
11.55	1.02	0.03	0.05	14.15	2.76	0.76	0.04
11.60	1.06	0.03	0.06	14.20	2.77	0.76	0.04
11.65	1.09	0.04	0.06	14.25	2.77	0.77	0.04
11.70	1.13	0.05	0.07	14.30	2.78	0.77	0.04
11.75	1.18	0.06	0.10	14.35	2.79	0.78	0.04
11.80	1.23	0.07	0.12	14.40	2.79	0.78	0.04
11.85	1.29	0.09	0.17	14.45	2.80	0.78	0.04
11.90	1.36	0.10	0.20	14.50	2.81	0.79	0.04
11.95	1.48	0.14	0.34	14.55	2.81	0.79	0.04
12.00	1.60	0.18	0.43	14.60	2.82	0.80	0.04
12.05	1.79	0.26	0.73	14.65	2.82	0.80	0.04
12.10	1.99	0.34	**0.82**	14.70	2.83	0.80	0.03
12.15	2.06	0.38	0.39	14.75	2.84	0.81	0.03
12.20	2.12	0.41	0.32	14.80	2.84	0.81	0.03
12.25	2.17	0.43	0.26	14.85	2.85	0.81	0.03
12.30	2.22	0.46	0.24	14.90	2.85	0.82	0.03
12.35	2.26	0.48	0.19	14.95	2.86	0.82	0.03
12.40	2.29	0.50	0.19	15.00	2.86	0.82	0.03
12.45	2.33	0.51	0.18	15.05	2.87	0.82	0.03
12.50	2.36	0.53	0.18	15.10	2.87	0.83	0.03
12.55	2.38	0.54	0.13	15.15	2.87	0.83	0.03
12.60	2.40	0.55	0.12	15.20	2.88	0.83	0.03
12.65	2.42	0.57	0.11	15.25	2.88	0.84	0.03
12.70	2.44	0.58	0.11	15.30	2.89	0.84	0.03
12.75	2.46	0.59	0.11	15.35	2.89	0.84	0.03
12.80	2.48	0.60	0.10	15.40	2.90	0.84	0.03
12.85	2.50	0.61	0.10	15.45	2.90	0.85	0.03
12.90	2.52	0.62	0.09	15.50	2.91	0.85	0.03
12.95	2.53	0.63	0.09	15.55	2.91	0.85	0.03

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.03	18.20	3.10	0.97	0.02
15.65	2.92	0.86	0.03	18.25	3.10	0.97	0.02
15.70	2.92	0.86	0.03	18.30	3.10	0.97	0.02
15.75	2.93	0.86	0.03	18.35	3.10	0.97	0.02
15.80	2.93	0.87	0.03	18.40	3.11	0.98	0.02
15.85	2.94	0.87	0.03	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.03	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.03	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.03	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.03	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.03	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.03	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.03	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.02	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.02	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.02	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.02	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.02	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.02	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.02	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.02	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.02	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.02	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.02	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.02	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.02	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.02	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.02	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.02	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.02	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.02	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.02	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.02	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.02	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.02	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.02	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.02	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.02	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.02	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.02	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.02	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.02	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.02	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.02	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.02	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.02	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.02	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.02	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.02	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.02	20.65	3.22	1.05	0.01
18.10	3.09	0.97	0.02	20.70	3.22	1.05	0.01
18.15	3.09	0.97	0.02	20.75	3.22	1.05	0.01

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.01	23.40	3.33	1.12	0.01
20.85	3.23	1.05	0.01	23.45	3.33	1.12	0.01
20.90	3.23	1.06	0.01	23.50	3.33	1.13	0.01
20.95	3.23	1.06	0.01	23.55	3.33	1.13	0.01
21.00	3.23	1.06	0.01	23.60	3.34	1.13	0.01
21.05	3.23	1.06	0.01	23.65	3.34	1.13	0.01
21.10	3.24	1.06	0.01	23.70	3.34	1.13	0.01
21.15	3.24	1.06	0.01	23.75	3.34	1.13	0.01
21.20	3.24	1.06	0.01	23.80	3.34	1.13	0.01
21.25	3.24	1.07	0.01	23.85	3.34	1.13	0.01
21.30	3.24	1.07	0.01	23.90	3.35	1.13	0.01
21.35	3.25	1.07	0.01	23.95	3.35	1.14	0.01
21.40	3.25	1.07	0.01	24.00	**3.35**	**1.14**	0.01
21.45	3.25	1.07	0.01	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.01	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.01	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.01	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.01	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.01	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.01	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.01	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.01	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.01	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.01	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.01	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.01	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.01	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.01	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.01	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.01	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.01	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.01	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.01	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.01	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.01	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.01	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.01	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.01	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.01	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.01	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.01	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.01	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.01	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.01	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.01	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.01	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.01	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.01	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.01	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.01	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.01	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.01	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

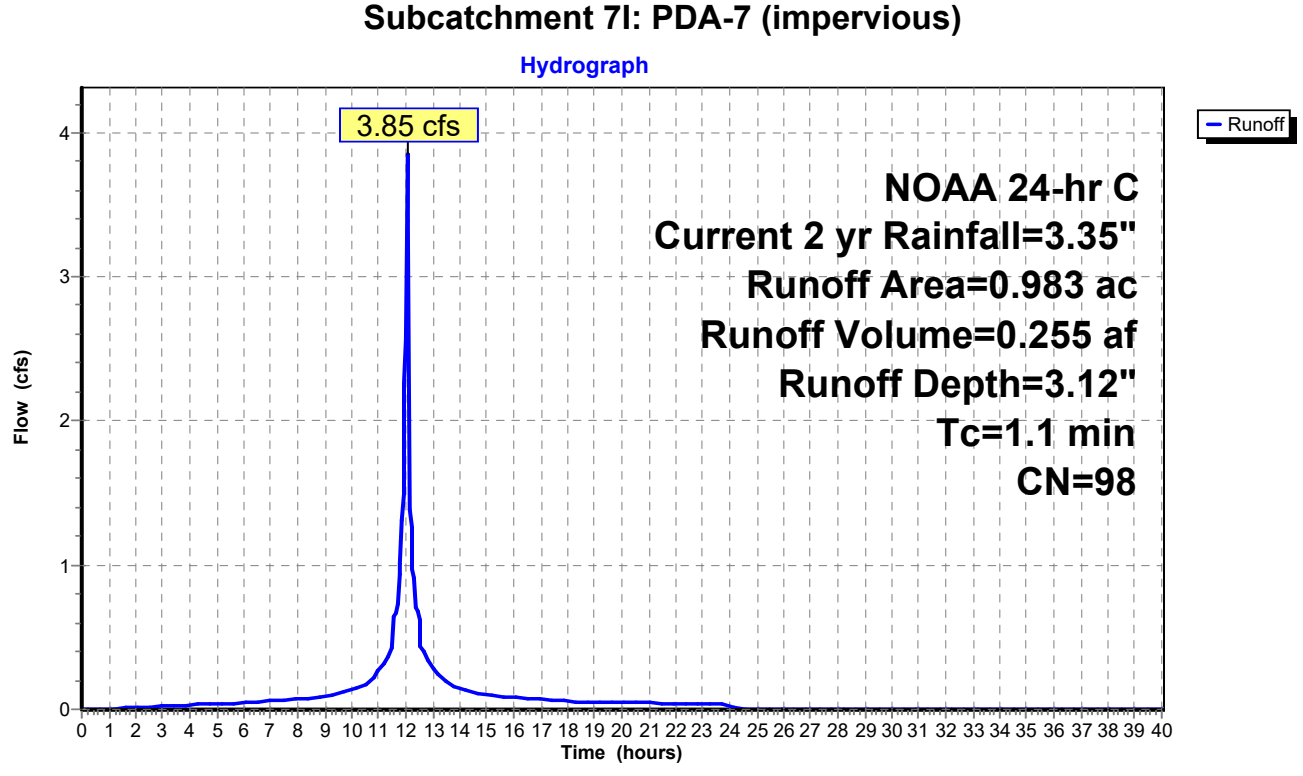
Summary for Subcatchment 7I: PDA-7 (impervious)

Runoff = 3.85 cfs @ 12.06 hrs, Volume= 0.255 af, Depth= 3.12"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.03
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.03
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.03
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.03
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.03
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.03
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.03
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.03
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.03
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.03
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.04
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.04
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.04
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.04
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.04

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.04	7.80	0.39	0.22	0.07
5.25	0.23	0.09	0.04	7.85	0.39	0.22	0.07
5.30	0.23	0.09	0.04	7.90	0.39	0.22	0.07
5.35	0.23	0.09	0.04	7.95	0.40	0.23	0.07
5.40	0.23	0.09	0.04	8.00	0.40	0.23	0.07
5.45	0.24	0.10	0.04	8.05	0.41	0.23	0.07
5.50	0.24	0.10	0.04	8.10	0.41	0.24	0.07
5.55	0.24	0.10	0.04	8.15	0.41	0.24	0.07
5.60	0.24	0.10	0.04	8.20	0.42	0.24	0.07
5.65	0.25	0.10	0.04	8.25	0.42	0.25	0.07
5.70	0.25	0.11	0.04	8.30	0.43	0.25	0.07
5.75	0.25	0.11	0.04	8.35	0.43	0.26	0.07
5.80	0.25	0.11	0.04	8.40	0.43	0.26	0.08
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.08
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.08
5.95	0.26	0.12	0.04	8.55	0.45	0.27	0.08
6.00	0.27	0.12	0.04	8.60	0.45	0.28	0.08
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.08
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.08
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.08
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.08
6.25	0.28	0.13	0.05	8.85	0.48	0.30	0.08
6.30	0.28	0.13	0.05	8.90	0.48	0.30	0.08
6.35	0.29	0.13	0.05	8.95	0.48	0.30	0.08
6.40	0.29	0.14	0.05	9.00	0.49	0.31	0.08
6.45	0.29	0.14	0.05	9.05	0.49	0.31	0.09
6.50	0.29	0.14	0.05	9.10	0.50	0.32	0.09
6.55	0.30	0.14	0.05	9.15	0.50	0.32	0.09
6.60	0.30	0.15	0.05	9.20	0.51	0.33	0.09
6.65	0.30	0.15	0.05	9.25	0.51	0.33	0.10
6.70	0.31	0.15	0.05	9.30	0.52	0.34	0.10
6.75	0.31	0.15	0.05	9.35	0.53	0.34	0.10
6.80	0.31	0.16	0.05	9.40	0.53	0.35	0.10
6.85	0.32	0.16	0.05	9.45	0.54	0.35	0.11
6.90	0.32	0.16	0.05	9.50	0.54	0.36	0.11
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.11
7.00	0.33	0.17	0.06	9.60	0.56	0.37	0.11
7.05	0.33	0.17	0.06	9.65	0.56	0.38	0.12
7.10	0.33	0.17	0.06	9.70	0.57	0.38	0.12
7.15	0.34	0.18	0.06	9.75	0.58	0.39	0.12
7.20	0.34	0.18	0.06	9.80	0.58	0.39	0.12
7.25	0.34	0.18	0.06	9.85	0.59	0.40	0.13
7.30	0.35	0.18	0.06	9.90	0.60	0.41	0.13
7.35	0.35	0.19	0.06	9.95	0.60	0.41	0.13
7.40	0.35	0.19	0.06	10.00	0.61	0.42	0.13
7.45	0.36	0.19	0.06	10.05	0.62	0.43	0.14
7.50	0.36	0.20	0.06	10.10	0.63	0.43	0.14
7.55	0.37	0.20	0.06	10.15	0.63	0.44	0.14
7.60	0.37	0.20	0.06	10.20	0.64	0.45	0.14
7.65	0.37	0.21	0.06	10.25	0.65	0.46	0.15
7.70	0.38	0.21	0.07	10.30	0.66	0.46	0.15
7.75	0.38	0.21	0.07	10.35	0.67	0.47	0.15

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.15	13.00	2.55	2.32	0.29
10.45	0.68	0.49	0.16	13.05	2.56	2.33	0.26
10.50	0.69	0.49	0.16	13.10	2.57	2.34	0.26
10.55	0.70	0.50	0.18	13.15	2.58	2.36	0.24
10.60	0.71	0.51	0.18	13.20	2.60	2.37	0.24
10.65	0.72	0.52	0.19	13.25	2.61	2.38	0.22
10.70	0.73	0.53	0.20	13.30	2.62	2.39	0.22
10.75	0.74	0.54	0.21	13.35	2.63	2.40	0.21
10.80	0.75	0.55	0.22	13.40	2.64	2.41	0.20
10.85	0.77	0.57	0.23	13.45	2.65	2.42	0.19
10.90	0.78	0.58	0.24	13.50	2.66	2.43	0.18
10.95	0.79	0.59	0.25	13.55	2.67	2.44	0.17
11.00	0.80	0.60	0.26	13.60	2.68	2.45	0.17
11.05	0.82	0.62	0.29	13.65	2.68	2.45	0.16
11.10	0.83	0.63	0.29	13.70	2.69	2.46	0.16
11.15	0.85	0.65	0.32	13.75	2.70	2.47	0.16
11.20	0.87	0.66	0.33	13.80	2.71	2.48	0.16
11.25	0.89	0.68	0.36	13.85	2.72	2.49	0.15
11.30	0.91	0.70	0.36	13.90	2.72	2.49	0.15
11.35	0.93	0.72	0.39	13.95	2.73	2.50	0.15
11.40	0.95	0.74	0.40	14.00	2.74	2.51	0.15
11.45	0.97	0.76	0.42	14.05	2.75	2.52	0.14
11.50	0.99	0.78	0.46	14.10	2.75	2.52	0.14
11.55	1.02	0.81	0.65	14.15	2.76	2.53	0.14
11.60	1.06	0.85	0.66	14.20	2.77	2.54	0.14
11.65	1.09	0.88	0.69	14.25	2.77	2.54	0.13
11.70	1.13	0.92	0.73	14.30	2.78	2.55	0.13
11.75	1.18	0.96	0.94	14.35	2.79	2.56	0.13
11.80	1.23	1.01	1.01	14.40	2.79	2.56	0.13
11.85	1.29	1.08	1.31	14.45	2.80	2.57	0.12
11.90	1.36	1.14	1.49	14.50	2.81	2.58	0.12
11.95	1.48	1.26	2.26	14.55	2.81	2.58	0.12
12.00	1.60	1.38	2.57	14.60	2.82	2.59	0.12
12.05	1.79	1.57	**3.80**	14.65	2.82	2.59	0.11
12.10	1.99	1.76	3.39	14.70	2.83	2.60	0.11
12.15	2.06	1.83	1.38	14.75	2.84	2.60	0.11
12.20	2.12	1.90	1.27	14.80	2.84	2.61	0.11
12.25	2.17	1.95	0.97	14.85	2.85	2.61	0.10
12.30	2.22	1.99	0.91	14.90	2.85	2.62	0.10
12.35	2.26	2.03	0.71	14.95	2.86	2.62	0.10
12.40	2.29	2.06	0.70	15.00	2.86	2.63	0.10
12.45	2.33	2.10	0.67	15.05	2.87	2.63	0.09
12.50	2.36	2.13	0.62	15.10	2.87	2.64	0.09
12.55	2.38	2.15	0.44	15.15	2.87	2.64	0.09
12.60	2.40	2.18	0.43	15.20	2.88	2.65	0.09
12.65	2.42	2.20	0.40	15.25	2.88	2.65	0.09
12.70	2.44	2.22	0.40	15.30	2.89	2.66	0.09
12.75	2.46	2.23	0.37	15.35	2.89	2.66	0.09
12.80	2.48	2.25	0.36	15.40	2.90	2.67	0.09
12.85	2.50	2.27	0.33	15.45	2.90	2.67	0.09
12.90	2.52	2.29	0.33	15.50	2.91	2.68	0.09
12.95	2.53	2.30	0.30	15.55	2.91	2.68	0.09

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.09	18.20	3.10	2.86	0.05
15.65	2.92	2.69	0.08	18.25	3.10	2.87	0.05
15.70	2.92	2.69	0.08	18.30	3.10	2.87	0.05
15.75	2.93	2.70	0.08	18.35	3.10	2.87	0.05
15.80	2.93	2.70	0.08	18.40	3.11	2.87	0.05
15.85	2.94	2.70	0.08	18.45	3.11	2.88	0.05
15.90	2.94	2.71	0.08	18.50	3.11	2.88	0.05
15.95	2.94	2.71	0.08	18.55	3.11	2.88	0.05
16.00	2.95	2.72	0.08	18.60	3.12	2.88	0.05
16.05	2.95	2.72	0.08	18.65	3.12	2.89	0.05
16.10	2.96	2.73	0.08	18.70	3.12	2.89	0.05
16.15	2.96	2.73	0.08	18.75	3.12	2.89	0.05
16.20	2.96	2.73	0.08	18.80	3.13	2.89	0.05
16.25	2.97	2.74	0.08	18.85	3.13	2.90	0.05
16.30	2.97	2.74	0.08	18.90	3.13	2.90	0.05
16.35	2.98	2.74	0.08	18.95	3.13	2.90	0.05
16.40	2.98	2.75	0.08	19.00	3.14	2.90	0.05
16.45	2.98	2.75	0.07	19.05	3.14	2.91	0.05
16.50	2.99	2.76	0.07	19.10	3.14	2.91	0.05
16.55	2.99	2.76	0.07	19.15	3.14	2.91	0.05
16.60	3.00	2.76	0.07	19.20	3.15	2.91	0.05
16.65	3.00	2.77	0.07	19.25	3.15	2.92	0.05
16.70	3.00	2.77	0.07	19.30	3.15	2.92	0.05
16.75	3.01	2.77	0.07	19.35	3.15	2.92	0.05
16.80	3.01	2.78	0.07	19.40	3.16	2.92	0.05
16.85	3.01	2.78	0.07	19.45	3.16	2.93	0.05
16.90	3.02	2.78	0.07	19.50	3.16	2.93	0.05
16.95	3.02	2.79	0.07	19.55	3.16	2.93	0.05
17.00	3.02	2.79	0.07	19.60	3.17	2.93	0.05
17.05	3.03	2.79	0.07	19.65	3.17	2.94	0.05
17.10	3.03	2.80	0.07	19.70	3.17	2.94	0.05
17.15	3.03	2.80	0.07	19.75	3.17	2.94	0.05
17.20	3.04	2.80	0.06	19.80	3.18	2.94	0.05
17.25	3.04	2.81	0.06	19.85	3.18	2.95	0.05
17.30	3.04	2.81	0.06	19.90	3.18	2.95	0.05
17.35	3.05	2.81	0.06	19.95	3.18	2.95	0.05
17.40	3.05	2.82	0.06	20.00	3.19	2.95	0.05
17.45	3.05	2.82	0.06	20.05	3.19	2.96	0.05
17.50	3.06	2.82	0.06	20.10	3.19	2.96	0.05
17.55	3.06	2.83	0.06	20.15	3.19	2.96	0.05
17.60	3.06	2.83	0.06	20.20	3.20	2.96	0.05
17.65	3.06	2.83	0.06	20.25	3.20	2.97	0.05
17.70	3.07	2.84	0.06	20.30	3.20	2.97	0.05
17.75	3.07	2.84	0.06	20.35	3.20	2.97	0.05
17.80	3.07	2.84	0.06	20.40	3.20	2.97	0.05
17.85	3.08	2.84	0.06	20.45	3.21	2.97	0.05
17.90	3.08	2.85	0.06	20.50	3.21	2.98	0.05
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.05
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.05
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.05	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.05	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.04
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.04
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.04
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.04
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.04
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.04
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.04
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.04
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.04	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.04	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.04	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.04	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.04	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.04	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.04	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.04	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.04	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.04	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.04	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.04	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.04	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.04	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.04	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.04	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.04	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.04	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.04	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.04	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.04	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.04	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.04	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.04	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.04	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.04	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.04	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.04	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.04	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.04	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

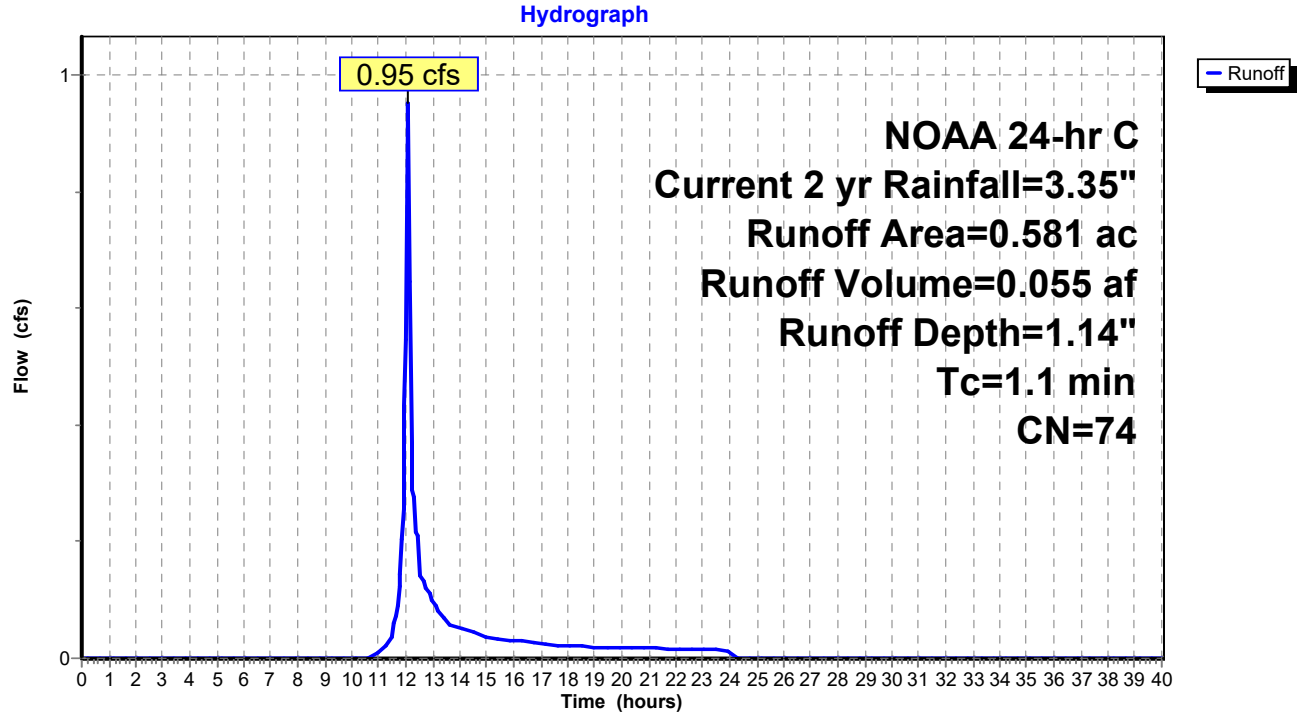
Runoff = 0.95 cfs @ 12.07 hrs, Volume= 0.055 af, Depth= 1.14"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.10
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.09
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.09
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.08
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.08
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.08
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.08
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.07
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.07
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.06
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.06
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.06
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.06
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.06
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.06
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.06
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.06
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.05
11.30	0.91	0.01	0.02	13.90	2.72	0.74	0.05
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.05
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.05
11.45	0.97	0.02	0.03	14.05	2.75	0.75	0.05
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.05
11.55	1.02	0.03	0.06	14.15	2.76	0.76	0.05
11.60	1.06	0.03	0.07	14.20	2.77	0.76	0.05
11.65	1.09	0.04	0.08	14.25	2.77	0.77	0.05
11.70	1.13	0.05	0.09	14.30	2.78	0.77	0.05
11.75	1.18	0.06	0.12	14.35	2.79	0.78	0.05
11.80	1.23	0.07	0.15	14.40	2.79	0.78	0.05
11.85	1.29	0.09	0.20	14.45	2.80	0.78	0.04
11.90	1.36	0.10	0.26	14.50	2.81	0.79	0.04
11.95	1.48	0.14	0.43	14.55	2.81	0.79	0.04
12.00	1.60	0.18	0.55	14.60	2.82	0.80	0.04
12.05	1.79	0.26	**0.91**	14.65	2.82	0.80	0.04
12.10	1.99	0.34	0.90	14.70	2.83	0.80	0.04
12.15	2.06	0.38	0.39	14.75	2.84	0.81	0.04
12.20	2.12	0.41	0.37	14.80	2.84	0.81	0.04
12.25	2.17	0.43	0.29	14.85	2.85	0.81	0.04
12.30	2.22	0.46	0.28	14.90	2.85	0.82	0.04
12.35	2.26	0.48	0.22	14.95	2.86	0.82	0.04
12.40	2.29	0.50	0.22	15.00	2.86	0.82	0.04
12.45	2.33	0.51	0.21	15.05	2.87	0.82	0.03
12.50	2.36	0.53	0.20	15.10	2.87	0.83	0.03
12.55	2.38	0.54	0.14	15.15	2.87	0.83	0.03
12.60	2.40	0.55	0.14	15.20	2.88	0.83	0.03
12.65	2.42	0.57	0.13	15.25	2.88	0.84	0.03
12.70	2.44	0.58	0.13	15.30	2.89	0.84	0.03
12.75	2.46	0.59	0.12	15.35	2.89	0.84	0.03
12.80	2.48	0.60	0.12	15.40	2.90	0.84	0.03
12.85	2.50	0.61	0.11	15.45	2.90	0.85	0.03
12.90	2.52	0.62	0.11	15.50	2.91	0.85	0.03
12.95	2.53	0.63	0.10	15.55	2.91	0.85	0.03

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.03	18.20	3.10	0.97	0.02
15.65	2.92	0.86	0.03	18.25	3.10	0.97	0.02
15.70	2.92	0.86	0.03	18.30	3.10	0.97	0.02
15.75	2.93	0.86	0.03	18.35	3.10	0.97	0.02
15.80	2.93	0.87	0.03	18.40	3.11	0.98	0.02
15.85	2.94	0.87	0.03	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.03	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.03	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.03	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.03	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.03	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.03	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.03	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.03	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.03	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.03	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.03	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.03	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.03	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.03	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.03	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.03	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.03	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.03	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.02	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.02	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.02	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.02	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.02	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.02	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.02	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.02	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.02	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.02	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.02	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.02	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.02	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.02	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.02	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.02	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.02	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.02	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.02	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.02	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.02	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.01
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.01
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.01
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.01
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.01
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.01
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.01
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.01
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.01
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.01
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.01
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.01
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.01	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.01	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.01	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.01	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.01	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.01	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.01	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.01	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.01	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.01	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.01	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.01	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.01	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

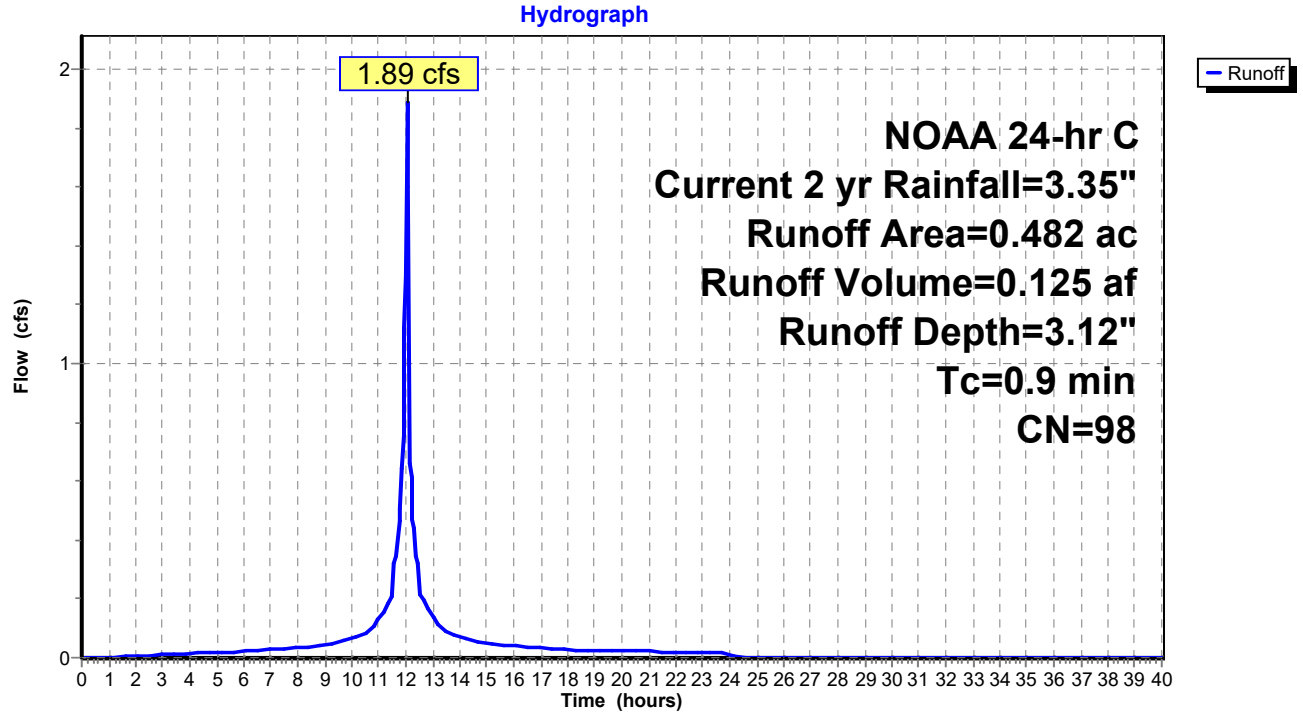
Runoff = 1.89 cfs @ 12.06 hrs, Volume= 0.125 af, Depth= 3.12"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.01
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.01
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.01
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.03
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.03
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.03
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.03
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.03
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.03
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.04
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.04
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.04
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.04
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.04
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.04
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.04
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.04
6.50	0.29	0.14	0.02	9.10	0.50	0.32	0.04
6.55	0.30	0.14	0.02	9.15	0.50	0.32	0.05
6.60	0.30	0.15	0.02	9.20	0.51	0.33	0.05
6.65	0.30	0.15	0.02	9.25	0.51	0.33	0.05
6.70	0.31	0.15	0.03	9.30	0.52	0.34	0.05
6.75	0.31	0.15	0.03	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.03	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.05
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.05
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.06
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.06
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.06
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.06
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.06
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.06
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.07
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.07
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.07
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.07
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.07
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.07
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.07
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.07
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.07

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.08	13.00	2.55	2.32	0.14
10.45	0.68	0.49	0.08	13.05	2.56	2.33	0.13
10.50	0.69	0.49	0.08	13.10	2.57	2.34	0.13
10.55	0.70	0.50	0.09	13.15	2.58	2.36	0.12
10.60	0.71	0.51	0.09	13.20	2.60	2.37	0.12
10.65	0.72	0.52	0.10	13.25	2.61	2.38	0.11
10.70	0.73	0.53	0.10	13.30	2.62	2.39	0.11
10.75	0.74	0.54	0.10	13.35	2.63	2.40	0.10
10.80	0.75	0.55	0.11	13.40	2.64	2.41	0.10
10.85	0.77	0.57	0.11	13.45	2.65	2.42	0.09
10.90	0.78	0.58	0.12	13.50	2.66	2.43	0.09
10.95	0.79	0.59	0.12	13.55	2.67	2.44	0.08
11.00	0.80	0.60	0.13	13.60	2.68	2.45	0.08
11.05	0.82	0.62	0.14	13.65	2.68	2.45	0.08
11.10	0.83	0.63	0.14	13.70	2.69	2.46	0.08
11.15	0.85	0.65	0.16	13.75	2.70	2.47	0.08
11.20	0.87	0.66	0.16	13.80	2.71	2.48	0.08
11.25	0.89	0.68	0.17	13.85	2.72	2.49	0.07
11.30	0.91	0.70	0.18	13.90	2.72	2.49	0.07
11.35	0.93	0.72	0.19	13.95	2.73	2.50	0.07
11.40	0.95	0.74	0.20	14.00	2.74	2.51	0.07
11.45	0.97	0.76	0.21	14.05	2.75	2.52	0.07
11.50	0.99	0.78	0.23	14.10	2.75	2.52	0.07
11.55	1.02	0.81	0.32	14.15	2.76	2.53	0.07
11.60	1.06	0.85	0.32	14.20	2.77	2.54	0.07
11.65	1.09	0.88	0.34	14.25	2.77	2.54	0.06
11.70	1.13	0.92	0.37	14.30	2.78	2.55	0.06
11.75	1.18	0.96	0.46	14.35	2.79	2.56	0.06
11.80	1.23	1.01	0.51	14.40	2.79	2.56	0.06
11.85	1.29	1.08	0.64	14.45	2.80	2.57	0.06
11.90	1.36	1.14	0.76	14.50	2.81	2.58	0.06
11.95	1.48	1.26	1.12	14.55	2.81	2.58	0.06
12.00	1.60	1.38	1.29	14.60	2.82	2.59	0.06
12.05	1.79	1.57	**1.87**	14.65	2.82	2.59	0.06
12.10	1.99	1.76	1.60	14.70	2.83	2.60	0.05
12.15	2.06	1.83	0.66	14.75	2.84	2.60	0.05
12.20	2.12	1.90	0.61	14.80	2.84	2.61	0.05
12.25	2.17	1.95	0.47	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.44	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.34	14.95	2.86	2.62	0.05
12.40	2.29	2.06	0.34	15.00	2.86	2.63	0.05
12.45	2.33	2.10	0.33	15.05	2.87	2.63	0.05
12.50	2.36	2.13	0.30	15.10	2.87	2.64	0.05
12.55	2.38	2.15	0.21	15.15	2.87	2.64	0.04
12.60	2.40	2.18	0.21	15.20	2.88	2.65	0.04
12.65	2.42	2.20	0.20	15.25	2.88	2.65	0.04
12.70	2.44	2.22	0.19	15.30	2.89	2.66	0.04
12.75	2.46	2.23	0.18	15.35	2.89	2.66	0.04
12.80	2.48	2.25	0.18	15.40	2.90	2.67	0.04
12.85	2.50	2.27	0.16	15.45	2.90	2.67	0.04
12.90	2.52	2.29	0.16	15.50	2.91	2.68	0.04
12.95	2.53	2.30	0.15	15.55	2.91	2.68	0.04

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.04	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.03
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.03
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.03
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.03
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.03
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.03
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.03
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.02
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.02
16.25	2.97	2.74	0.04	18.85	3.13	2.90	0.02
16.30	2.97	2.74	0.04	18.90	3.13	2.90	0.02
16.35	2.98	2.74	0.04	18.95	3.13	2.90	0.02
16.40	2.98	2.75	0.04	19.00	3.14	2.90	0.02
16.45	2.98	2.75	0.04	19.05	3.14	2.91	0.02
16.50	2.99	2.76	0.04	19.10	3.14	2.91	0.02
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.02
16.60	3.00	2.76	0.04	19.20	3.15	2.91	0.02
16.65	3.00	2.77	0.04	19.25	3.15	2.92	0.02
16.70	3.00	2.77	0.03	19.30	3.15	2.92	0.02
16.75	3.01	2.77	0.03	19.35	3.15	2.92	0.02
16.80	3.01	2.78	0.03	19.40	3.16	2.92	0.02
16.85	3.01	2.78	0.03	19.45	3.16	2.93	0.02
16.90	3.02	2.78	0.03	19.50	3.16	2.93	0.02
16.95	3.02	2.79	0.03	19.55	3.16	2.93	0.02
17.00	3.02	2.79	0.03	19.60	3.17	2.93	0.02
17.05	3.03	2.79	0.03	19.65	3.17	2.94	0.02
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.02
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.02
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.02
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

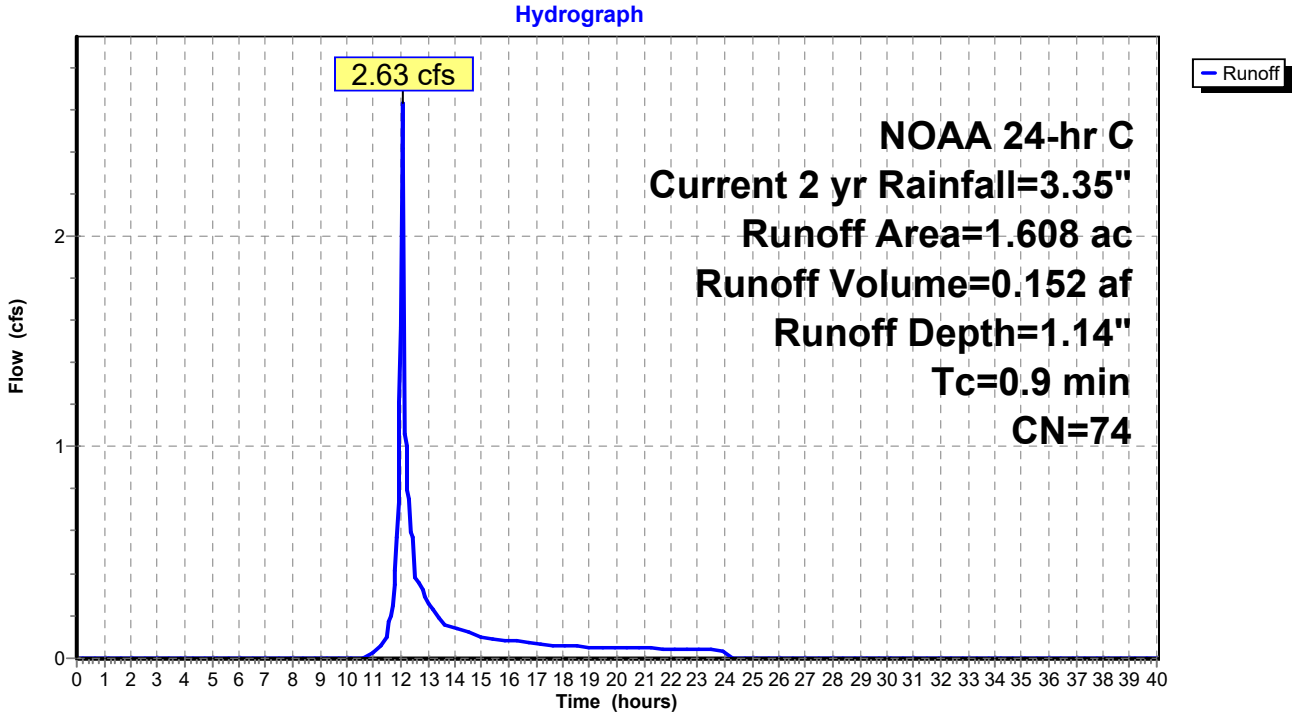
Runoff = 2.63 cfs @ 12.07 hrs, Volume= 0.152 af, Depth= 1.14"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.27
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.25
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.24
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.23
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.23
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.21
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.21
10.75	0.74	0.00	0.01	13.35	2.63	0.68	0.20
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.19
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.18
10.90	0.78	0.00	0.02	13.50	2.66	0.70	0.18
10.95	0.79	0.00	0.02	13.55	2.67	0.70	0.16
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.16
11.05	0.82	0.00	0.03	13.65	2.68	0.71	0.16
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.16
11.15	0.85	0.01	0.04	13.75	2.70	0.72	0.15
11.20	0.87	0.01	0.05	13.80	2.71	0.73	0.15
11.25	0.89	0.01	0.06	13.85	2.72	0.73	0.15
11.30	0.91	0.01	0.06	13.90	2.72	0.74	0.15
11.35	0.93	0.01	0.08	13.95	2.73	0.74	0.14
11.40	0.95	0.02	0.08	14.00	2.74	0.75	0.14
11.45	0.97	0.02	0.09	14.05	2.75	0.75	0.14
11.50	0.99	0.02	0.11	14.10	2.75	0.76	0.14
11.55	1.02	0.03	0.17	14.15	2.76	0.76	0.14
11.60	1.06	0.03	0.19	14.20	2.77	0.76	0.14
11.65	1.09	0.04	0.21	14.25	2.77	0.77	0.13
11.70	1.13	0.05	0.25	14.30	2.78	0.77	0.13
11.75	1.18	0.06	0.35	14.35	2.79	0.78	0.13
11.80	1.23	0.07	0.41	14.40	2.79	0.78	0.13
11.85	1.29	0.09	0.57	14.45	2.80	0.78	0.12
11.90	1.36	0.10	0.74	14.50	2.81	0.79	0.12
11.95	1.48	0.14	1.21	14.55	2.81	0.79	0.12
12.00	1.60	0.18	1.57	14.60	2.82	0.80	0.12
12.05	1.79	0.26	**2.55**	14.65	2.82	0.80	0.11
12.10	1.99	0.34	2.41	14.70	2.83	0.80	0.11
12.15	2.06	0.38	1.06	14.75	2.84	0.81	0.11
12.20	2.12	0.41	1.01	14.80	2.84	0.81	0.11
12.25	2.17	0.43	0.79	14.85	2.85	0.81	0.10
12.30	2.22	0.46	0.76	14.90	2.85	0.82	0.10
12.35	2.26	0.48	0.60	14.95	2.86	0.82	0.10
12.40	2.29	0.50	0.60	15.00	2.86	0.82	0.10
12.45	2.33	0.51	0.58	15.05	2.87	0.82	0.09
12.50	2.36	0.53	0.54	15.10	2.87	0.83	0.09
12.55	2.38	0.54	0.39	15.15	2.87	0.83	0.09
12.60	2.40	0.55	0.38	15.20	2.88	0.83	0.09
12.65	2.42	0.57	0.36	15.25	2.88	0.84	0.09
12.70	2.44	0.58	0.36	15.30	2.89	0.84	0.09
12.75	2.46	0.59	0.34	15.35	2.89	0.84	0.09
12.80	2.48	0.60	0.33	15.40	2.90	0.84	0.09
12.85	2.50	0.61	0.31	15.45	2.90	0.85	0.09
12.90	2.52	0.62	0.30	15.50	2.91	0.85	0.09
12.95	2.53	0.63	0.28	15.55	2.91	0.85	0.09

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.09	18.20	3.10	0.97	0.06
15.65	2.92	0.86	0.09	18.25	3.10	0.97	0.06
15.70	2.92	0.86	0.09	18.30	3.10	0.97	0.06
15.75	2.93	0.86	0.09	18.35	3.10	0.97	0.06
15.80	2.93	0.87	0.09	18.40	3.11	0.98	0.06
15.85	2.94	0.87	0.08	18.45	3.11	0.98	0.06
15.90	2.94	0.87	0.08	18.50	3.11	0.98	0.06
15.95	2.94	0.87	0.08	18.55	3.11	0.98	0.05
16.00	2.95	0.88	0.08	18.60	3.12	0.98	0.05
16.05	2.95	0.88	0.08	18.65	3.12	0.98	0.05
16.10	2.96	0.88	0.08	18.70	3.12	0.99	0.05
16.15	2.96	0.88	0.08	18.75	3.12	0.99	0.05
16.20	2.96	0.89	0.08	18.80	3.13	0.99	0.05
16.25	2.97	0.89	0.08	18.85	3.13	0.99	0.05
16.30	2.97	0.89	0.08	18.90	3.13	0.99	0.05
16.35	2.98	0.89	0.08	18.95	3.13	0.99	0.05
16.40	2.98	0.90	0.08	19.00	3.14	1.00	0.05
16.45	2.98	0.90	0.08	19.05	3.14	1.00	0.05
16.50	2.99	0.90	0.08	19.10	3.14	1.00	0.05
16.55	2.99	0.90	0.08	19.15	3.14	1.00	0.05
16.60	3.00	0.91	0.08	19.20	3.15	1.00	0.05
16.65	3.00	0.91	0.07	19.25	3.15	1.00	0.05
16.70	3.00	0.91	0.07	19.30	3.15	1.01	0.05
16.75	3.01	0.91	0.07	19.35	3.15	1.01	0.05
16.80	3.01	0.91	0.07	19.40	3.16	1.01	0.05
16.85	3.01	0.92	0.07	19.45	3.16	1.01	0.05
16.90	3.02	0.92	0.07	19.50	3.16	1.01	0.05
16.95	3.02	0.92	0.07	19.55	3.16	1.01	0.05
17.00	3.02	0.92	0.07	19.60	3.17	1.02	0.05
17.05	3.03	0.93	0.07	19.65	3.17	1.02	0.05
17.10	3.03	0.93	0.07	19.70	3.17	1.02	0.05
17.15	3.03	0.93	0.07	19.75	3.17	1.02	0.05
17.20	3.04	0.93	0.07	19.80	3.18	1.02	0.05
17.25	3.04	0.93	0.07	19.85	3.18	1.02	0.05
17.30	3.04	0.94	0.07	19.90	3.18	1.03	0.05
17.35	3.05	0.94	0.07	19.95	3.18	1.03	0.05
17.40	3.05	0.94	0.07	20.00	3.19	1.03	0.05
17.45	3.05	0.94	0.06	20.05	3.19	1.03	0.05
17.50	3.06	0.94	0.06	20.10	3.19	1.03	0.05
17.55	3.06	0.95	0.06	20.15	3.19	1.03	0.05
17.60	3.06	0.95	0.06	20.20	3.20	1.03	0.05
17.65	3.06	0.95	0.06	20.25	3.20	1.04	0.05
17.70	3.07	0.95	0.06	20.30	3.20	1.04	0.05
17.75	3.07	0.95	0.06	20.35	3.20	1.04	0.05
17.80	3.07	0.96	0.06	20.40	3.20	1.04	0.05
17.85	3.08	0.96	0.06	20.45	3.21	1.04	0.05
17.90	3.08	0.96	0.06	20.50	3.21	1.04	0.05
17.95	3.08	0.96	0.06	20.55	3.21	1.05	0.05
18.00	3.08	0.96	0.06	20.60	3.21	1.05	0.05
18.05	3.09	0.96	0.06	20.65	3.22	1.05	0.05
18.10	3.09	0.97	0.06	20.70	3.22	1.05	0.05
18.15	3.09	0.97	0.06	20.75	3.22	1.05	0.05

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.05	23.40	3.33	1.12	0.04
20.85	3.23	1.05	0.05	23.45	3.33	1.12	0.04
20.90	3.23	1.06	0.05	23.50	3.33	1.13	0.04
20.95	3.23	1.06	0.05	23.55	3.33	1.13	0.04
21.00	3.23	1.06	0.05	23.60	3.34	1.13	0.04
21.05	3.23	1.06	0.05	23.65	3.34	1.13	0.04
21.10	3.24	1.06	0.05	23.70	3.34	1.13	0.04
21.15	3.24	1.06	0.05	23.75	3.34	1.13	0.04
21.20	3.24	1.06	0.05	23.80	3.34	1.13	0.04
21.25	3.24	1.07	0.05	23.85	3.34	1.13	0.04
21.30	3.24	1.07	0.05	23.90	3.35	1.13	0.04
21.35	3.25	1.07	0.05	23.95	3.35	1.14	0.05
21.40	3.25	1.07	0.05	24.00	**3.35**	**1.14**	0.04
21.45	3.25	1.07	0.05	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.05	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.05	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.05	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.05	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.05	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.05	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.05	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.04	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.04	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.04	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.04	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.04	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.04	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.04	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.04	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.04	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.04	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.04	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.04	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.04	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.04	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.04	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.04	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.04	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.04	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.04	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 9I: PDA-9 (impervious)

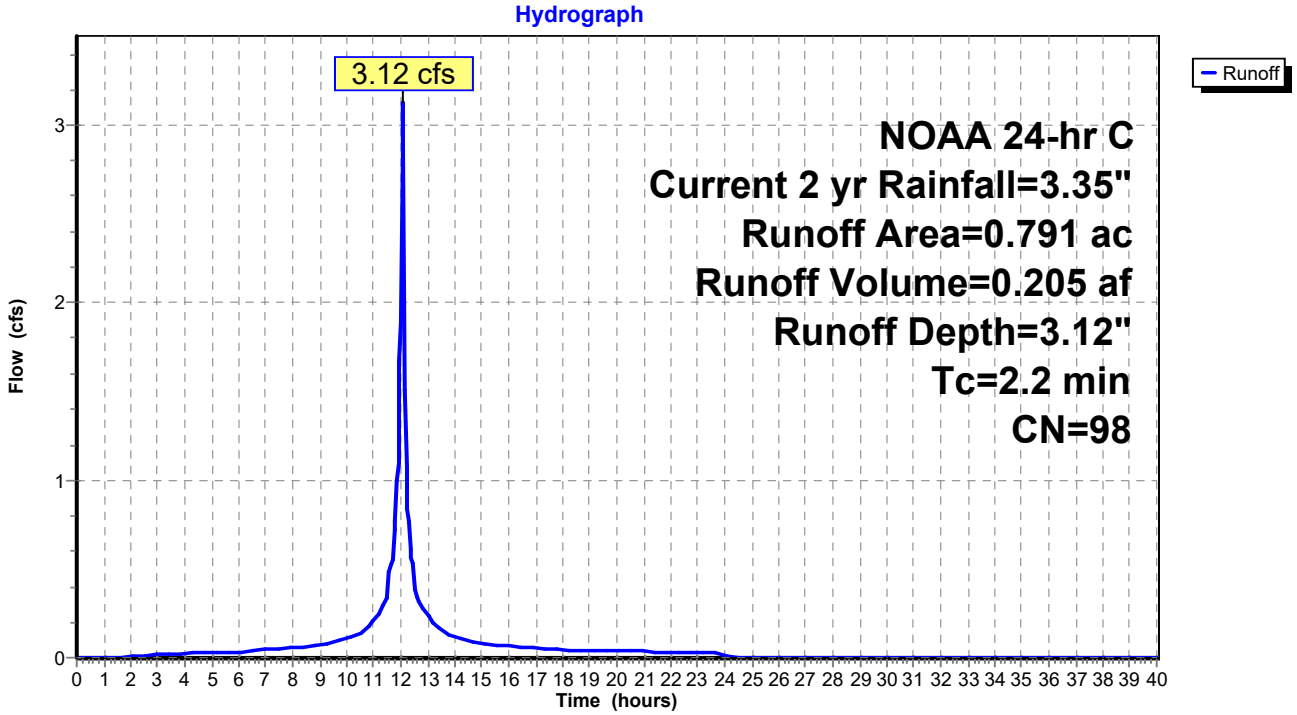
Runoff = 3.12 cfs @ 12.08 hrs, Volume= 0.205 af, Depth= 3.12"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9I: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.06
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.06
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.06
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.06
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.06
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.06
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.06
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.06
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.07
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.07
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.07
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.07
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.07
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.07
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.07
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.07
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.08
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.08
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.08
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.08
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.08
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.09
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.09
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.09
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.09
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.09
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.09
7.15	0.34	0.18	0.05	9.75	0.58	0.39	0.10
7.20	0.34	0.18	0.05	9.80	0.58	0.39	0.10
7.25	0.34	0.18	0.05	9.85	0.59	0.40	0.10
7.30	0.35	0.18	0.05	9.90	0.60	0.41	0.10
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.11
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.11
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.11
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.11
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.11
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.12
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.12
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.12
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.12

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.12	13.00	2.55	2.32	0.24
10.45	0.68	0.49	0.13	13.05	2.56	2.33	0.22
10.50	0.69	0.49	0.13	13.10	2.57	2.34	0.21
10.55	0.70	0.50	0.14	13.15	2.58	2.36	0.20
10.60	0.71	0.51	0.14	13.20	2.60	2.37	0.19
10.65	0.72	0.52	0.15	13.25	2.61	2.38	0.18
10.70	0.73	0.53	0.16	13.30	2.62	2.39	0.18
10.75	0.74	0.54	0.17	13.35	2.63	2.40	0.17
10.80	0.75	0.55	0.17	13.40	2.64	2.41	0.16
10.85	0.77	0.57	0.18	13.45	2.65	2.42	0.15
10.90	0.78	0.58	0.19	13.50	2.66	2.43	0.15
10.95	0.79	0.59	0.20	13.55	2.67	2.44	0.14
11.00	0.80	0.60	0.20	13.60	2.68	2.45	0.13
11.05	0.82	0.62	0.22	13.65	2.68	2.45	0.13
11.10	0.83	0.63	0.23	13.70	2.69	2.46	0.13
11.15	0.85	0.65	0.25	13.75	2.70	2.47	0.13
11.20	0.87	0.66	0.26	13.80	2.71	2.48	0.13
11.25	0.89	0.68	0.28	13.85	2.72	2.49	0.12
11.30	0.91	0.70	0.29	13.90	2.72	2.49	0.12
11.35	0.93	0.72	0.31	13.95	2.73	2.50	0.12
11.40	0.95	0.74	0.32	14.00	2.74	2.51	0.12
11.45	0.97	0.76	0.33	14.05	2.75	2.52	0.12
11.50	0.99	0.78	0.35	14.10	2.75	2.52	0.11
11.55	1.02	0.81	0.48	14.15	2.76	2.53	0.11
11.60	1.06	0.85	0.52	14.20	2.77	2.54	0.11
11.65	1.09	0.88	0.55	14.25	2.77	2.54	0.11
11.70	1.13	0.92	0.56	14.30	2.78	2.55	0.11
11.75	1.18	0.96	0.72	14.35	2.79	2.56	0.10
11.80	1.23	1.01	0.77	14.40	2.79	2.56	0.10
11.85	1.29	1.08	1.00	14.45	2.80	2.57	0.10
11.90	1.36	1.14	1.09	14.50	2.81	2.58	0.10
11.95	1.48	1.26	1.67	14.55	2.81	2.58	0.10
12.00	1.60	1.38	1.89	14.60	2.82	2.59	0.09
12.05	1.79	1.57	2.81	14.65	2.82	2.59	0.09
12.10	1.99	1.76	**3.00**	14.70	2.83	2.60	0.09
12.15	2.06	1.83	1.50	14.75	2.84	2.60	0.09
12.20	2.12	1.90	1.07	14.80	2.84	2.61	0.09
12.25	2.17	1.95	0.84	14.85	2.85	2.61	0.08
12.30	2.22	1.99	0.77	14.90	2.85	2.62	0.08
12.35	2.26	2.03	0.61	14.95	2.86	2.62	0.08
12.40	2.29	2.06	0.56	15.00	2.86	2.63	0.08
12.45	2.33	2.10	0.54	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.53	15.10	2.87	2.64	0.07
12.55	2.38	2.15	0.39	15.15	2.87	2.64	0.07
12.60	2.40	2.18	0.35	15.20	2.88	2.65	0.07
12.65	2.42	2.20	0.33	15.25	2.88	2.65	0.07
12.70	2.44	2.22	0.32	15.30	2.89	2.66	0.07
12.75	2.46	2.23	0.30	15.35	2.89	2.66	0.07
12.80	2.48	2.25	0.30	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.27	15.45	2.90	2.67	0.07
12.90	2.52	2.29	0.27	15.50	2.91	2.68	0.07
12.95	2.53	2.30	0.25	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.06	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.06	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.06	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.05	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.05	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.05	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.04	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.04	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.04	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

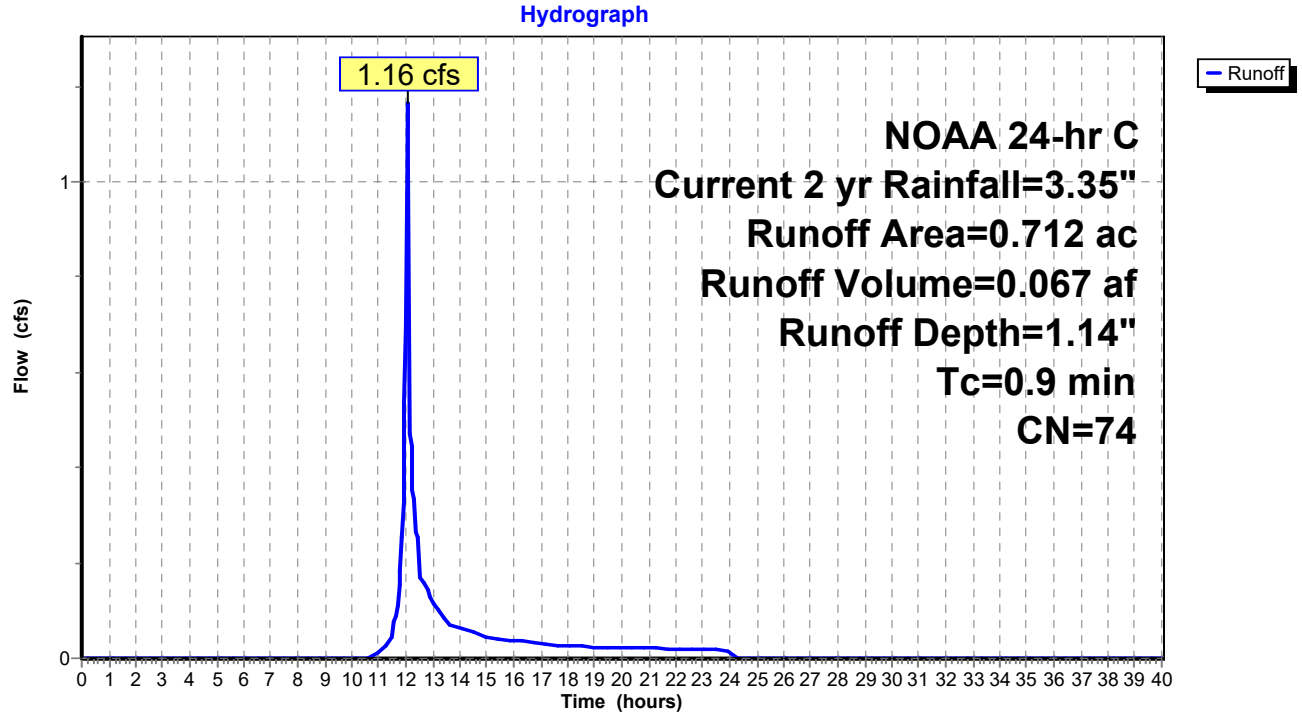
Runoff = 1.16 cfs @ 12.07 hrs, Volume= 0.067 af, Depth= 1.14"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.12
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.11
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.11
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.10
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.10
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.09
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.09
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.09
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.09
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.08
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.08
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.07
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.07
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.07
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.07
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.07
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.07
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.07
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.07
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.06
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.06
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.06
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.06
11.55	1.02	0.03	0.08	14.15	2.76	0.76	0.06
11.60	1.06	0.03	0.08	14.20	2.77	0.76	0.06
11.65	1.09	0.04	0.10	14.25	2.77	0.77	0.06
11.70	1.13	0.05	0.11	14.30	2.78	0.77	0.06
11.75	1.18	0.06	0.15	14.35	2.79	0.78	0.06
11.80	1.23	0.07	0.18	14.40	2.79	0.78	0.06
11.85	1.29	0.09	0.25	14.45	2.80	0.78	0.05
11.90	1.36	0.10	0.33	14.50	2.81	0.79	0.05
11.95	1.48	0.14	0.53	14.55	2.81	0.79	0.05
12.00	1.60	0.18	0.69	14.60	2.82	0.80	0.05
12.05	1.79	0.26	**1.13**	14.65	2.82	0.80	0.05
12.10	1.99	0.34	1.07	14.70	2.83	0.80	0.05
12.15	2.06	0.38	0.47	14.75	2.84	0.81	0.05
12.20	2.12	0.41	0.45	14.80	2.84	0.81	0.05
12.25	2.17	0.43	0.35	14.85	2.85	0.81	0.05
12.30	2.22	0.46	0.34	14.90	2.85	0.82	0.05
12.35	2.26	0.48	0.27	14.95	2.86	0.82	0.04
12.40	2.29	0.50	0.27	15.00	2.86	0.82	0.04
12.45	2.33	0.51	0.26	15.05	2.87	0.82	0.04
12.50	2.36	0.53	0.24	15.10	2.87	0.83	0.04
12.55	2.38	0.54	0.17	15.15	2.87	0.83	0.04
12.60	2.40	0.55	0.17	15.20	2.88	0.83	0.04
12.65	2.42	0.57	0.16	15.25	2.88	0.84	0.04
12.70	2.44	0.58	0.16	15.30	2.89	0.84	0.04
12.75	2.46	0.59	0.15	15.35	2.89	0.84	0.04
12.80	2.48	0.60	0.15	15.40	2.90	0.84	0.04
12.85	2.50	0.61	0.14	15.45	2.90	0.85	0.04
12.90	2.52	0.62	0.13	15.50	2.91	0.85	0.04
12.95	2.53	0.63	0.12	15.55	2.91	0.85	0.04

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.04	18.20	3.10	0.97	0.02
15.65	2.92	0.86	0.04	18.25	3.10	0.97	0.02
15.70	2.92	0.86	0.04	18.30	3.10	0.97	0.02
15.75	2.93	0.86	0.04	18.35	3.10	0.97	0.02
15.80	2.93	0.87	0.04	18.40	3.11	0.98	0.02
15.85	2.94	0.87	0.04	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.04	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.04	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.04	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.04	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.04	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.04	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.04	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.03	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.03	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.03	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.03	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.03	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.03	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.03	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.03	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.03	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.03	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.03	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.03	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.03	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.03	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.03	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.03	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.02	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.02	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.02	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

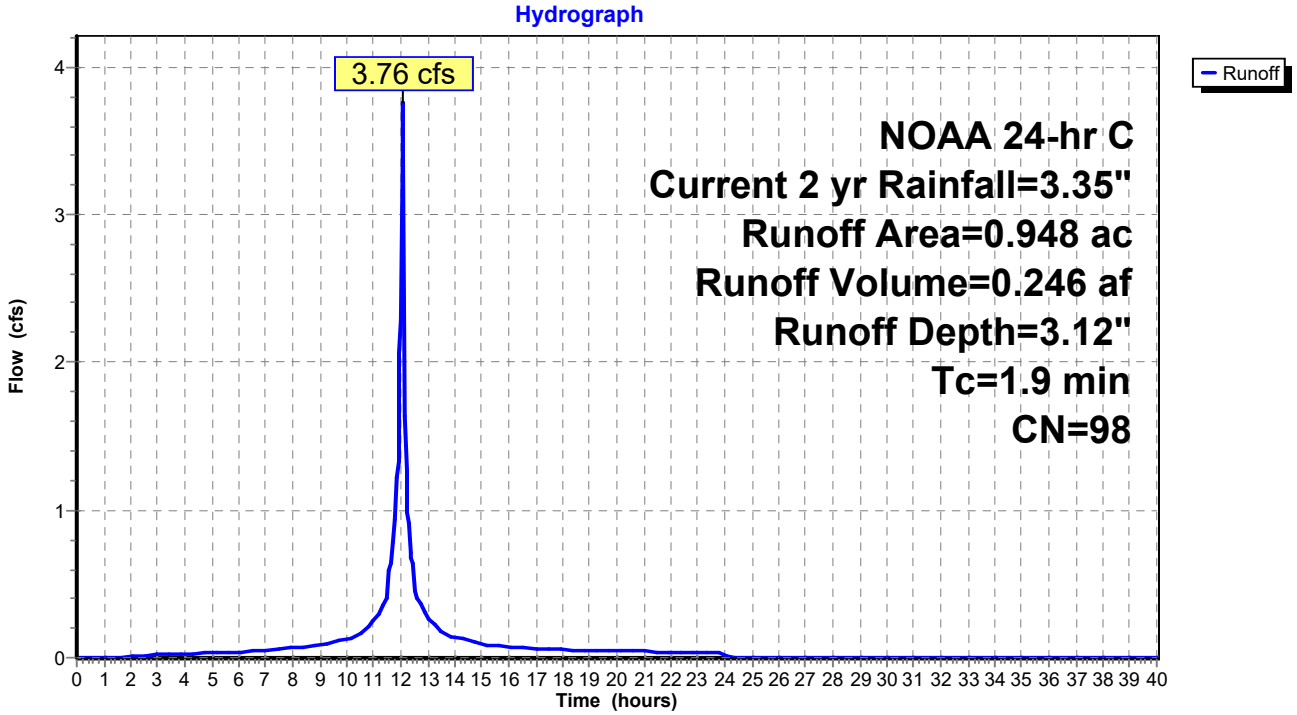
Summary for Subcatchment 10l: PDA-10 (impervious)

Runoff = 3.76 cfs @ 12.08 hrs, Volume= 0.246 af, Depth= 3.12"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.03
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.03
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.03
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.03
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.03
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.03
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.03
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.04

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.04	7.80	0.39	0.22	0.06
5.25	0.23	0.09	0.04	7.85	0.39	0.22	0.07
5.30	0.23	0.09	0.04	7.90	0.39	0.22	0.07
5.35	0.23	0.09	0.04	7.95	0.40	0.23	0.07
5.40	0.23	0.09	0.04	8.00	0.40	0.23	0.07
5.45	0.24	0.10	0.04	8.05	0.41	0.23	0.07
5.50	0.24	0.10	0.04	8.10	0.41	0.24	0.07
5.55	0.24	0.10	0.04	8.15	0.41	0.24	0.07
5.60	0.24	0.10	0.04	8.20	0.42	0.24	0.07
5.65	0.25	0.10	0.04	8.25	0.42	0.25	0.07
5.70	0.25	0.11	0.04	8.30	0.43	0.25	0.07
5.75	0.25	0.11	0.04	8.35	0.43	0.26	0.07
5.80	0.25	0.11	0.04	8.40	0.43	0.26	0.07
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.07
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.07
5.95	0.26	0.12	0.04	8.55	0.45	0.27	0.07
6.00	0.27	0.12	0.04	8.60	0.45	0.28	0.08
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.08
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.08
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.08
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.08
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.08
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.08
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.08
6.40	0.29	0.14	0.05	9.00	0.49	0.31	0.08
6.45	0.29	0.14	0.05	9.05	0.49	0.31	0.08
6.50	0.29	0.14	0.05	9.10	0.50	0.32	0.09
6.55	0.30	0.14	0.05	9.15	0.50	0.32	0.09
6.60	0.30	0.15	0.05	9.20	0.51	0.33	0.09
6.65	0.30	0.15	0.05	9.25	0.51	0.33	0.09
6.70	0.31	0.15	0.05	9.30	0.52	0.34	0.10
6.75	0.31	0.15	0.05	9.35	0.53	0.34	0.10
6.80	0.31	0.16	0.05	9.40	0.53	0.35	0.10
6.85	0.32	0.16	0.05	9.45	0.54	0.35	0.10
6.90	0.32	0.16	0.05	9.50	0.54	0.36	0.10
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.11
7.00	0.33	0.17	0.05	9.60	0.56	0.37	0.11
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.11
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.11
7.15	0.34	0.18	0.06	9.75	0.58	0.39	0.12
7.20	0.34	0.18	0.06	9.80	0.58	0.39	0.12
7.25	0.34	0.18	0.06	9.85	0.59	0.40	0.12
7.30	0.35	0.18	0.06	9.90	0.60	0.41	0.12
7.35	0.35	0.19	0.06	9.95	0.60	0.41	0.13
7.40	0.35	0.19	0.06	10.00	0.61	0.42	0.13
7.45	0.36	0.19	0.06	10.05	0.62	0.43	0.13
7.50	0.36	0.20	0.06	10.10	0.63	0.43	0.13
7.55	0.37	0.20	0.06	10.15	0.63	0.44	0.14
7.60	0.37	0.20	0.06	10.20	0.64	0.45	0.14
7.65	0.37	0.21	0.06	10.25	0.65	0.46	0.14
7.70	0.38	0.21	0.06	10.30	0.66	0.46	0.14
7.75	0.38	0.21	0.06	10.35	0.67	0.47	0.15

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.15	13.00	2.55	2.32	0.28
10.45	0.68	0.49	0.15	13.05	2.56	2.33	0.26
10.50	0.69	0.49	0.15	13.10	2.57	2.34	0.25
10.55	0.70	0.50	0.17	13.15	2.58	2.36	0.24
10.60	0.71	0.51	0.17	13.20	2.60	2.37	0.23
10.65	0.72	0.52	0.19	13.25	2.61	2.38	0.22
10.70	0.73	0.53	0.19	13.30	2.62	2.39	0.21
10.75	0.74	0.54	0.20	13.35	2.63	2.40	0.20
10.80	0.75	0.55	0.21	13.40	2.64	2.41	0.20
10.85	0.77	0.57	0.22	13.45	2.65	2.42	0.18
10.90	0.78	0.58	0.23	13.50	2.66	2.43	0.18
10.95	0.79	0.59	0.24	13.55	2.67	2.44	0.16
11.00	0.80	0.60	0.24	13.60	2.68	2.45	0.16
11.05	0.82	0.62	0.27	13.65	2.68	2.45	0.16
11.10	0.83	0.63	0.28	13.70	2.69	2.46	0.16
11.15	0.85	0.65	0.30	13.75	2.70	2.47	0.15
11.20	0.87	0.66	0.31	13.80	2.71	2.48	0.15
11.25	0.89	0.68	0.34	13.85	2.72	2.49	0.15
11.30	0.91	0.70	0.35	13.90	2.72	2.49	0.15
11.35	0.93	0.72	0.37	13.95	2.73	2.50	0.14
11.40	0.95	0.74	0.38	14.00	2.74	2.51	0.14
11.45	0.97	0.76	0.40	14.05	2.75	2.52	0.14
11.50	0.99	0.78	0.42	14.10	2.75	2.52	0.14
11.55	1.02	0.81	0.60	14.15	2.76	2.53	0.13
11.60	1.06	0.85	0.63	14.20	2.77	2.54	0.13
11.65	1.09	0.88	0.66	14.25	2.77	2.54	0.13
11.70	1.13	0.92	0.68	14.30	2.78	2.55	0.13
11.75	1.18	0.96	0.88	14.35	2.79	2.56	0.12
11.80	1.23	1.01	0.93	14.40	2.79	2.56	0.12
11.85	1.29	1.08	1.22	14.45	2.80	2.57	0.12
11.90	1.36	1.14	1.33	14.50	2.81	2.58	0.12
11.95	1.48	1.26	2.07	14.55	2.81	2.58	0.11
12.00	1.60	1.38	2.29	14.60	2.82	2.59	0.11
12.05	1.79	1.57	3.48	14.65	2.82	2.59	0.11
12.10	1.99	1.76	**3.55**	14.70	2.83	2.60	0.11
12.15	2.06	1.83	1.64	14.75	2.84	2.60	0.10
12.20	2.12	1.90	1.27	14.80	2.84	2.61	0.10
12.25	2.17	1.95	0.98	14.85	2.85	2.61	0.10
12.30	2.22	1.99	0.91	14.90	2.85	2.62	0.10
12.35	2.26	2.03	0.71	14.95	2.86	2.62	0.09
12.40	2.29	2.06	0.68	15.00	2.86	2.63	0.09
12.45	2.33	2.10	0.65	15.05	2.87	2.63	0.09
12.50	2.36	2.13	0.63	15.10	2.87	2.64	0.09
12.55	2.38	2.15	0.45	15.15	2.87	2.64	0.09
12.60	2.40	2.18	0.41	15.20	2.88	2.65	0.09
12.65	2.42	2.20	0.39	15.25	2.88	2.65	0.09
12.70	2.44	2.22	0.39	15.30	2.89	2.66	0.09
12.75	2.46	2.23	0.36	15.35	2.89	2.66	0.09
12.80	2.48	2.25	0.35	15.40	2.90	2.67	0.09
12.85	2.50	2.27	0.33	15.45	2.90	2.67	0.08
12.90	2.52	2.29	0.32	15.50	2.91	2.68	0.08
12.95	2.53	2.30	0.29	15.55	2.91	2.68	0.08

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.08	18.20	3.10	2.86	0.05
15.65	2.92	2.69	0.08	18.25	3.10	2.87	0.05
15.70	2.92	2.69	0.08	18.30	3.10	2.87	0.05
15.75	2.93	2.70	0.08	18.35	3.10	2.87	0.05
15.80	2.93	2.70	0.08	18.40	3.11	2.87	0.05
15.85	2.94	2.70	0.08	18.45	3.11	2.88	0.05
15.90	2.94	2.71	0.08	18.50	3.11	2.88	0.05
15.95	2.94	2.71	0.08	18.55	3.11	2.88	0.05
16.00	2.95	2.72	0.08	18.60	3.12	2.88	0.05
16.05	2.95	2.72	0.08	18.65	3.12	2.89	0.05
16.10	2.96	2.73	0.08	18.70	3.12	2.89	0.05
16.15	2.96	2.73	0.08	18.75	3.12	2.89	0.05
16.20	2.96	2.73	0.08	18.80	3.13	2.89	0.05
16.25	2.97	2.74	0.07	18.85	3.13	2.90	0.05
16.30	2.97	2.74	0.07	18.90	3.13	2.90	0.05
16.35	2.98	2.74	0.07	18.95	3.13	2.90	0.05
16.40	2.98	2.75	0.07	19.00	3.14	2.90	0.05
16.45	2.98	2.75	0.07	19.05	3.14	2.91	0.05
16.50	2.99	2.76	0.07	19.10	3.14	2.91	0.05
16.55	2.99	2.76	0.07	19.15	3.14	2.91	0.05
16.60	3.00	2.76	0.07	19.20	3.15	2.91	0.05
16.65	3.00	2.77	0.07	19.25	3.15	2.92	0.05
16.70	3.00	2.77	0.07	19.30	3.15	2.92	0.05
16.75	3.01	2.77	0.07	19.35	3.15	2.92	0.05
16.80	3.01	2.78	0.07	19.40	3.16	2.92	0.05
16.85	3.01	2.78	0.07	19.45	3.16	2.93	0.05
16.90	3.02	2.78	0.07	19.50	3.16	2.93	0.05
16.95	3.02	2.79	0.07	19.55	3.16	2.93	0.05
17.00	3.02	2.79	0.07	19.60	3.17	2.93	0.05
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.05
17.10	3.03	2.80	0.06	19.70	3.17	2.94	0.05
17.15	3.03	2.80	0.06	19.75	3.17	2.94	0.05
17.20	3.04	2.80	0.06	19.80	3.18	2.94	0.05
17.25	3.04	2.81	0.06	19.85	3.18	2.95	0.05
17.30	3.04	2.81	0.06	19.90	3.18	2.95	0.05
17.35	3.05	2.81	0.06	19.95	3.18	2.95	0.05
17.40	3.05	2.82	0.06	20.00	3.19	2.95	0.05
17.45	3.05	2.82	0.06	20.05	3.19	2.96	0.05
17.50	3.06	2.82	0.06	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.06	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.06	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.06	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.06	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.06	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.06	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.05	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.05	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.04
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.04
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.04	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.04	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.04	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.04	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.04	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.04	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.04	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.04	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.04	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.04	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.04	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.04	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.04	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.04	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.04	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.04	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.04	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.04	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.04	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.04	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.04	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.04	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.04	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.04	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.04	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.04	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.04	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

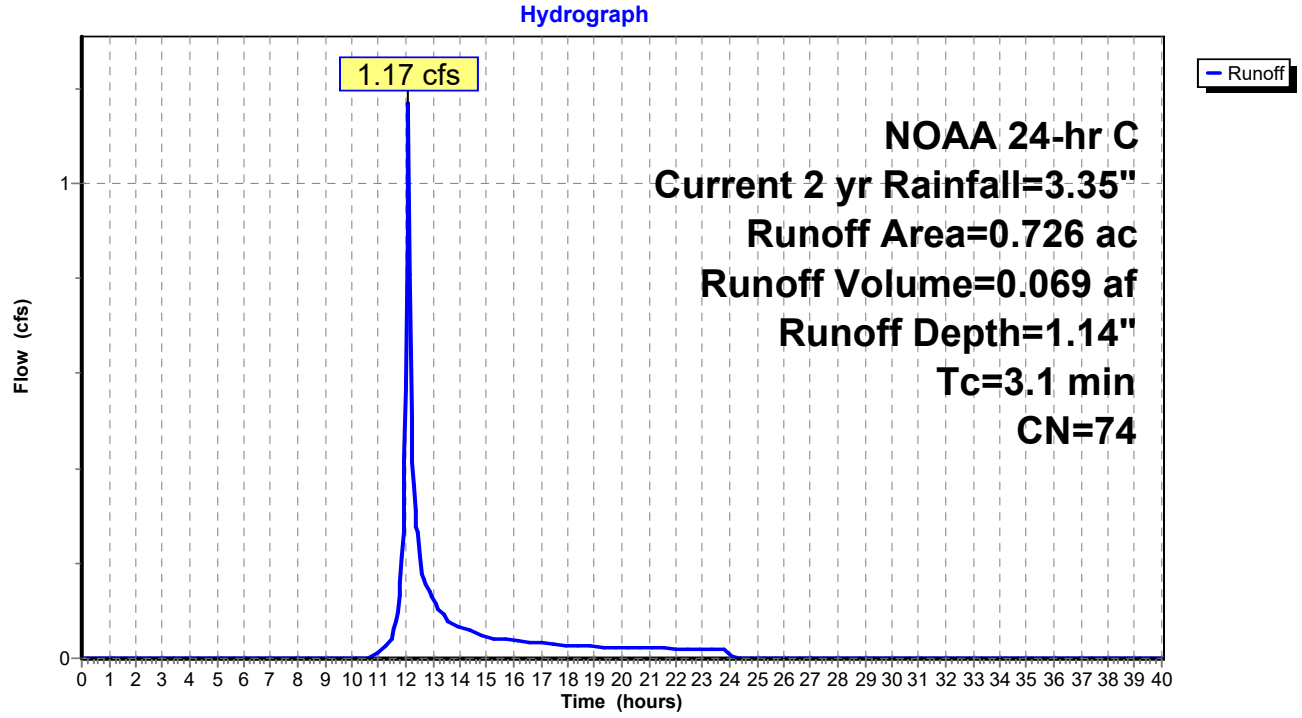
Runoff = 1.17 cfs @ 12.10 hrs, Volume= 0.069 af, Depth= 1.14"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.13
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.12
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.11
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.11
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.10
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.10
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.10
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.09
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.09
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.08
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.08
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.08
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.07
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.07
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.07
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.07
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.07
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.07
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.07
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.07
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.07
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.06
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.06
11.55	1.02	0.03	0.06	14.15	2.76	0.76	0.06
11.60	1.06	0.03	0.08	14.20	2.77	0.76	0.06
11.65	1.09	0.04	0.09	14.25	2.77	0.77	0.06
11.70	1.13	0.05	0.10	14.30	2.78	0.77	0.06
11.75	1.18	0.06	0.13	14.35	2.79	0.78	0.06
11.80	1.23	0.07	0.16	14.40	2.79	0.78	0.06
11.85	1.29	0.09	0.22	14.45	2.80	0.78	0.06
11.90	1.36	0.10	0.27	14.50	2.81	0.79	0.06
11.95	1.48	0.14	0.42	14.55	2.81	0.79	0.05
12.00	1.60	0.18	0.56	14.60	2.82	0.80	0.05
12.05	1.79	0.26	0.89	14.65	2.82	0.80	0.05
12.10	1.99	0.34	**1.17**	14.70	2.83	0.80	0.05
12.15	2.06	0.38	0.81	14.75	2.84	0.81	0.05
12.20	2.12	0.41	0.51	14.80	2.84	0.81	0.05
12.25	2.17	0.43	0.41	14.85	2.85	0.81	0.05
12.30	2.22	0.46	0.36	14.90	2.85	0.82	0.05
12.35	2.26	0.48	0.31	14.95	2.86	0.82	0.05
12.40	2.29	0.50	0.28	15.00	2.86	0.82	0.04
12.45	2.33	0.51	0.27	15.05	2.87	0.82	0.04
12.50	2.36	0.53	0.26	15.10	2.87	0.83	0.04
12.55	2.38	0.54	0.21	15.15	2.87	0.83	0.04
12.60	2.40	0.55	0.18	15.20	2.88	0.83	0.04
12.65	2.42	0.57	0.17	15.25	2.88	0.84	0.04
12.70	2.44	0.58	0.17	15.30	2.89	0.84	0.04
12.75	2.46	0.59	0.16	15.35	2.89	0.84	0.04
12.80	2.48	0.60	0.15	15.40	2.90	0.84	0.04
12.85	2.50	0.61	0.14	15.45	2.90	0.85	0.04
12.90	2.52	0.62	0.14	15.50	2.91	0.85	0.04
12.95	2.53	0.63	0.13	15.55	2.91	0.85	0.04

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.04	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.04	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.04	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.04	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.04	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.04	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.04	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.04	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.04	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.04	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.04	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.04	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.04	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.04	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.04	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.03	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.03	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.03	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.03	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.03	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.03	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.03	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.03	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.03	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.03	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.03	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.03	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.03	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 11I: PDA-11 (impervious)

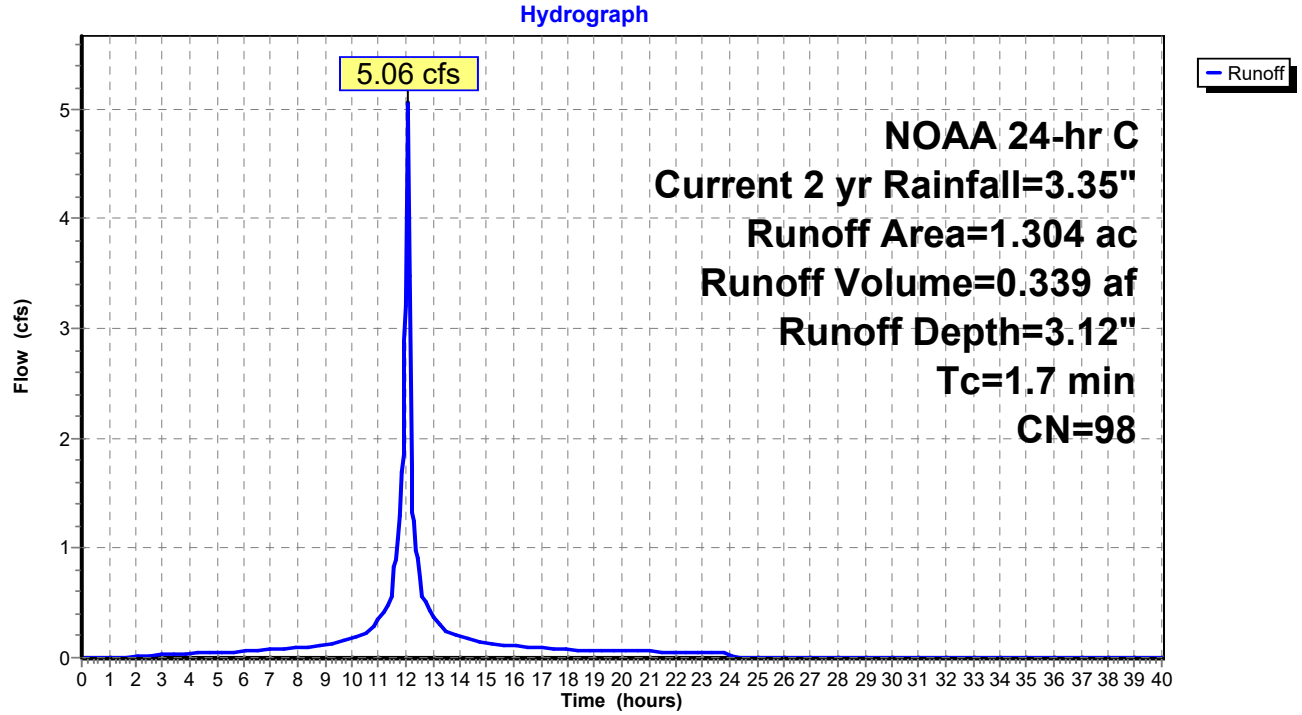
Runoff = 5.06 cfs @ 12.07 hrs, Volume= 0.339 af, Depth= 3.12"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**

Subcatchment 11I: PDA-11 (impervious)



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.03
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.03
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.03
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.03
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.03
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.03
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.03
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.03
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.03
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.03
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.03
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.03
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.03
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.03
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.03
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.04
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.04
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.04
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.04
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.04
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.04
1.45	0.05	0.00	0.01	4.05	0.17	0.05	0.04
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.04
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.04
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.04
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.04
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.04
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.04
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.04
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.04
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.04
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.04
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.04
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.04
2.10	0.08	0.01	0.02	4.70	0.20	0.07	0.04
2.15	0.08	0.01	0.02	4.75	0.20	0.07	0.04
2.20	0.08	0.01	0.02	4.80	0.20	0.07	0.05
2.25	0.09	0.01	0.02	4.85	0.21	0.07	0.05
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.05
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.05
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.05
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.05
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.05
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.05

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.05	7.80	0.39	0.22	0.09
5.25	0.23	0.09	0.05	7.85	0.39	0.22	0.09
5.30	0.23	0.09	0.05	7.90	0.39	0.22	0.09
5.35	0.23	0.09	0.05	7.95	0.40	0.23	0.09
5.40	0.23	0.09	0.05	8.00	0.40	0.23	0.09
5.45	0.24	0.10	0.05	8.05	0.41	0.23	0.09
5.50	0.24	0.10	0.05	8.10	0.41	0.24	0.09
5.55	0.24	0.10	0.05	8.15	0.41	0.24	0.10
5.60	0.24	0.10	0.05	8.20	0.42	0.24	0.10
5.65	0.25	0.10	0.05	8.25	0.42	0.25	0.10
5.70	0.25	0.11	0.05	8.30	0.43	0.25	0.10
5.75	0.25	0.11	0.05	8.35	0.43	0.26	0.10
5.80	0.25	0.11	0.05	8.40	0.43	0.26	0.10
5.85	0.26	0.11	0.05	8.45	0.44	0.26	0.10
5.90	0.26	0.11	0.05	8.50	0.44	0.27	0.10
5.95	0.26	0.12	0.05	8.55	0.45	0.27	0.10
6.00	0.27	0.12	0.05	8.60	0.45	0.28	0.10
6.05	0.27	0.12	0.06	8.65	0.46	0.28	0.11
6.10	0.27	0.12	0.06	8.70	0.46	0.28	0.11
6.15	0.27	0.12	0.06	8.75	0.47	0.29	0.11
6.20	0.28	0.13	0.06	8.80	0.47	0.29	0.11
6.25	0.28	0.13	0.06	8.85	0.48	0.30	0.11
6.30	0.28	0.13	0.06	8.90	0.48	0.30	0.11
6.35	0.29	0.13	0.06	8.95	0.48	0.30	0.11
6.40	0.29	0.14	0.06	9.00	0.49	0.31	0.11
6.45	0.29	0.14	0.06	9.05	0.49	0.31	0.12
6.50	0.29	0.14	0.06	9.10	0.50	0.32	0.12
6.55	0.30	0.14	0.07	9.15	0.50	0.32	0.12
6.60	0.30	0.15	0.07	9.20	0.51	0.33	0.12
6.65	0.30	0.15	0.07	9.25	0.51	0.33	0.13
6.70	0.31	0.15	0.07	9.30	0.52	0.34	0.13
6.75	0.31	0.15	0.07	9.35	0.53	0.34	0.14
6.80	0.31	0.16	0.07	9.40	0.53	0.35	0.14
6.85	0.32	0.16	0.07	9.45	0.54	0.35	0.14
6.90	0.32	0.16	0.07	9.50	0.54	0.36	0.14
6.95	0.32	0.16	0.07	9.55	0.55	0.36	0.15
7.00	0.33	0.17	0.07	9.60	0.56	0.37	0.15
7.05	0.33	0.17	0.07	9.65	0.56	0.38	0.16
7.10	0.33	0.17	0.08	9.70	0.57	0.38	0.16
7.15	0.34	0.18	0.08	9.75	0.58	0.39	0.16
7.20	0.34	0.18	0.08	9.80	0.58	0.39	0.16
7.25	0.34	0.18	0.08	9.85	0.59	0.40	0.17
7.30	0.35	0.18	0.08	9.90	0.60	0.41	0.17
7.35	0.35	0.19	0.08	9.95	0.60	0.41	0.18
7.40	0.35	0.19	0.08	10.00	0.61	0.42	0.18
7.45	0.36	0.19	0.08	10.05	0.62	0.43	0.18
7.50	0.36	0.20	0.08	10.10	0.63	0.43	0.18
7.55	0.37	0.20	0.08	10.15	0.63	0.44	0.19
7.60	0.37	0.20	0.08	10.20	0.64	0.45	0.19
7.65	0.37	0.21	0.09	10.25	0.65	0.46	0.20
7.70	0.38	0.21	0.09	10.30	0.66	0.46	0.20
7.75	0.38	0.21	0.09	10.35	0.67	0.47	0.20

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.20	13.00	2.55	2.32	0.39
10.45	0.68	0.49	0.21	13.05	2.56	2.33	0.35
10.50	0.69	0.49	0.21	13.10	2.57	2.34	0.35
10.55	0.70	0.50	0.23	13.15	2.58	2.36	0.32
10.60	0.71	0.51	0.24	13.20	2.60	2.37	0.32
10.65	0.72	0.52	0.26	13.25	2.61	2.38	0.30
10.70	0.73	0.53	0.26	13.30	2.62	2.39	0.29
10.75	0.74	0.54	0.28	13.35	2.63	2.40	0.27
10.80	0.75	0.55	0.29	13.40	2.64	2.41	0.27
10.85	0.77	0.57	0.31	13.45	2.65	2.42	0.25
10.90	0.78	0.58	0.31	13.50	2.66	2.43	0.24
10.95	0.79	0.59	0.33	13.55	2.67	2.44	0.22
11.00	0.80	0.60	0.34	13.60	2.68	2.45	0.22
11.05	0.82	0.62	0.37	13.65	2.68	2.45	0.22
11.10	0.83	0.63	0.38	13.70	2.69	2.46	0.21
11.15	0.85	0.65	0.42	13.75	2.70	2.47	0.21
11.20	0.87	0.66	0.43	13.80	2.71	2.48	0.21
11.25	0.89	0.68	0.47	13.85	2.72	2.49	0.20
11.30	0.91	0.70	0.48	13.90	2.72	2.49	0.20
11.35	0.93	0.72	0.51	13.95	2.73	2.50	0.20
11.40	0.95	0.74	0.52	14.00	2.74	2.51	0.19
11.45	0.97	0.76	0.55	14.05	2.75	2.52	0.19
11.50	0.99	0.78	0.58	14.10	2.75	2.52	0.19
11.55	1.02	0.81	0.83	14.15	2.76	2.53	0.18
11.60	1.06	0.85	0.87	14.20	2.77	2.54	0.18
11.65	1.09	0.88	0.91	14.25	2.77	2.54	0.18
11.70	1.13	0.92	0.94	14.30	2.78	2.55	0.17
11.75	1.18	0.96	1.22	14.35	2.79	2.56	0.17
11.80	1.23	1.01	1.30	14.40	2.79	2.56	0.17
11.85	1.29	1.08	1.70	14.45	2.80	2.57	0.16
11.90	1.36	1.14	1.85	14.50	2.81	2.58	0.16
11.95	1.48	1.26	2.90	14.55	2.81	2.58	0.16
12.00	1.60	1.38	3.20	14.60	2.82	2.59	0.16
12.05	1.79	1.57	**4.86**	14.65	2.82	2.59	0.15
12.10	1.99	1.76	4.82	14.70	2.83	2.60	0.15
12.15	2.06	1.83	2.12	14.75	2.84	2.60	0.14
12.20	2.12	1.90	1.73	14.80	2.84	2.61	0.14
12.25	2.17	1.95	1.33	14.85	2.85	2.61	0.14
12.30	2.22	1.99	1.25	14.90	2.85	2.62	0.14
12.35	2.26	2.03	0.97	14.95	2.86	2.62	0.13
12.40	2.29	2.06	0.93	15.00	2.86	2.63	0.13
12.45	2.33	2.10	0.89	15.05	2.87	2.63	0.12
12.50	2.36	2.13	0.86	15.10	2.87	2.64	0.12
12.55	2.38	2.15	0.60	15.15	2.87	2.64	0.12
12.60	2.40	2.18	0.57	15.20	2.88	2.65	0.12
12.65	2.42	2.20	0.54	15.25	2.88	2.65	0.12
12.70	2.44	2.22	0.53	15.30	2.89	2.66	0.12
12.75	2.46	2.23	0.49	15.35	2.89	2.66	0.12
12.80	2.48	2.25	0.48	15.40	2.90	2.67	0.12
12.85	2.50	2.27	0.45	15.45	2.90	2.67	0.12
12.90	2.52	2.29	0.44	15.50	2.91	2.68	0.12
12.95	2.53	2.30	0.40	15.55	2.91	2.68	0.11

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.11	18.20	3.10	2.86	0.07
15.65	2.92	2.69	0.11	18.25	3.10	2.87	0.07
15.70	2.92	2.69	0.11	18.30	3.10	2.87	0.07
15.75	2.93	2.70	0.11	18.35	3.10	2.87	0.07
15.80	2.93	2.70	0.11	18.40	3.11	2.87	0.07
15.85	2.94	2.70	0.11	18.45	3.11	2.88	0.07
15.90	2.94	2.71	0.11	18.50	3.11	2.88	0.07
15.95	2.94	2.71	0.11	18.55	3.11	2.88	0.07
16.00	2.95	2.72	0.11	18.60	3.12	2.88	0.07
16.05	2.95	2.72	0.11	18.65	3.12	2.89	0.07
16.10	2.96	2.73	0.11	18.70	3.12	2.89	0.07
16.15	2.96	2.73	0.10	18.75	3.12	2.89	0.07
16.20	2.96	2.73	0.10	18.80	3.13	2.89	0.07
16.25	2.97	2.74	0.10	18.85	3.13	2.90	0.07
16.30	2.97	2.74	0.10	18.90	3.13	2.90	0.07
16.35	2.98	2.74	0.10	18.95	3.13	2.90	0.07
16.40	2.98	2.75	0.10	19.00	3.14	2.90	0.07
16.45	2.98	2.75	0.10	19.05	3.14	2.91	0.07
16.50	2.99	2.76	0.10	19.10	3.14	2.91	0.07
16.55	2.99	2.76	0.10	19.15	3.14	2.91	0.07
16.60	3.00	2.76	0.10	19.20	3.15	2.91	0.07
16.65	3.00	2.77	0.10	19.25	3.15	2.92	0.07
16.70	3.00	2.77	0.10	19.30	3.15	2.92	0.07
16.75	3.01	2.77	0.09	19.35	3.15	2.92	0.06
16.80	3.01	2.78	0.09	19.40	3.16	2.92	0.06
16.85	3.01	2.78	0.09	19.45	3.16	2.93	0.06
16.90	3.02	2.78	0.09	19.50	3.16	2.93	0.06
16.95	3.02	2.79	0.09	19.55	3.16	2.93	0.06
17.00	3.02	2.79	0.09	19.60	3.17	2.93	0.06
17.05	3.03	2.79	0.09	19.65	3.17	2.94	0.06
17.10	3.03	2.80	0.09	19.70	3.17	2.94	0.06
17.15	3.03	2.80	0.09	19.75	3.17	2.94	0.06
17.20	3.04	2.80	0.09	19.80	3.18	2.94	0.06
17.25	3.04	2.81	0.08	19.85	3.18	2.95	0.06
17.30	3.04	2.81	0.08	19.90	3.18	2.95	0.06
17.35	3.05	2.81	0.08	19.95	3.18	2.95	0.06
17.40	3.05	2.82	0.08	20.00	3.19	2.95	0.06
17.45	3.05	2.82	0.08	20.05	3.19	2.96	0.06
17.50	3.06	2.82	0.08	20.10	3.19	2.96	0.06
17.55	3.06	2.83	0.08	20.15	3.19	2.96	0.06
17.60	3.06	2.83	0.08	20.20	3.20	2.96	0.06
17.65	3.06	2.83	0.08	20.25	3.20	2.97	0.06
17.70	3.07	2.84	0.08	20.30	3.20	2.97	0.06
17.75	3.07	2.84	0.08	20.35	3.20	2.97	0.06
17.80	3.07	2.84	0.08	20.40	3.20	2.97	0.06
17.85	3.08	2.84	0.07	20.45	3.21	2.97	0.06
17.90	3.08	2.85	0.07	20.50	3.21	2.98	0.06
17.95	3.08	2.85	0.07	20.55	3.21	2.98	0.06
18.00	3.08	2.85	0.07	20.60	3.21	2.98	0.06
18.05	3.09	2.86	0.07	20.65	3.22	2.98	0.06
18.10	3.09	2.86	0.07	20.70	3.22	2.99	0.06
18.15	3.09	2.86	0.07	20.75	3.22	2.99	0.06

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.06	23.40	3.33	3.10	0.05
20.85	3.23	2.99	0.06	23.45	3.33	3.10	0.05
20.90	3.23	2.99	0.06	23.50	3.33	3.10	0.05
20.95	3.23	3.00	0.06	23.55	3.33	3.10	0.05
21.00	3.23	3.00	0.06	23.60	3.34	3.10	0.05
21.05	3.23	3.00	0.06	23.65	3.34	3.10	0.05
21.10	3.24	3.00	0.06	23.70	3.34	3.11	0.05
21.15	3.24	3.01	0.06	23.75	3.34	3.11	0.05
21.20	3.24	3.01	0.06	23.80	3.34	3.11	0.05
21.25	3.24	3.01	0.06	23.85	3.34	3.11	0.05
21.30	3.24	3.01	0.06	23.90	3.35	3.11	0.05
21.35	3.25	3.01	0.06	23.95	3.35	3.11	0.06
21.40	3.25	3.02	0.06	24.00	**3.35**	**3.12**	0.05
21.45	3.25	3.02	0.06	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.06	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.06	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.06	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.05	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.05	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.05	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.05	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.05	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.05	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.05	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.05	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.05	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.05	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.05	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.05	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.05	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.05	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.05	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.05	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.05	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.05	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.05	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.05	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.05	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.05	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.05	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.05	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.05	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.05	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.05	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.05	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.05	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.05	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.05	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.05	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.05	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.05	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.05	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

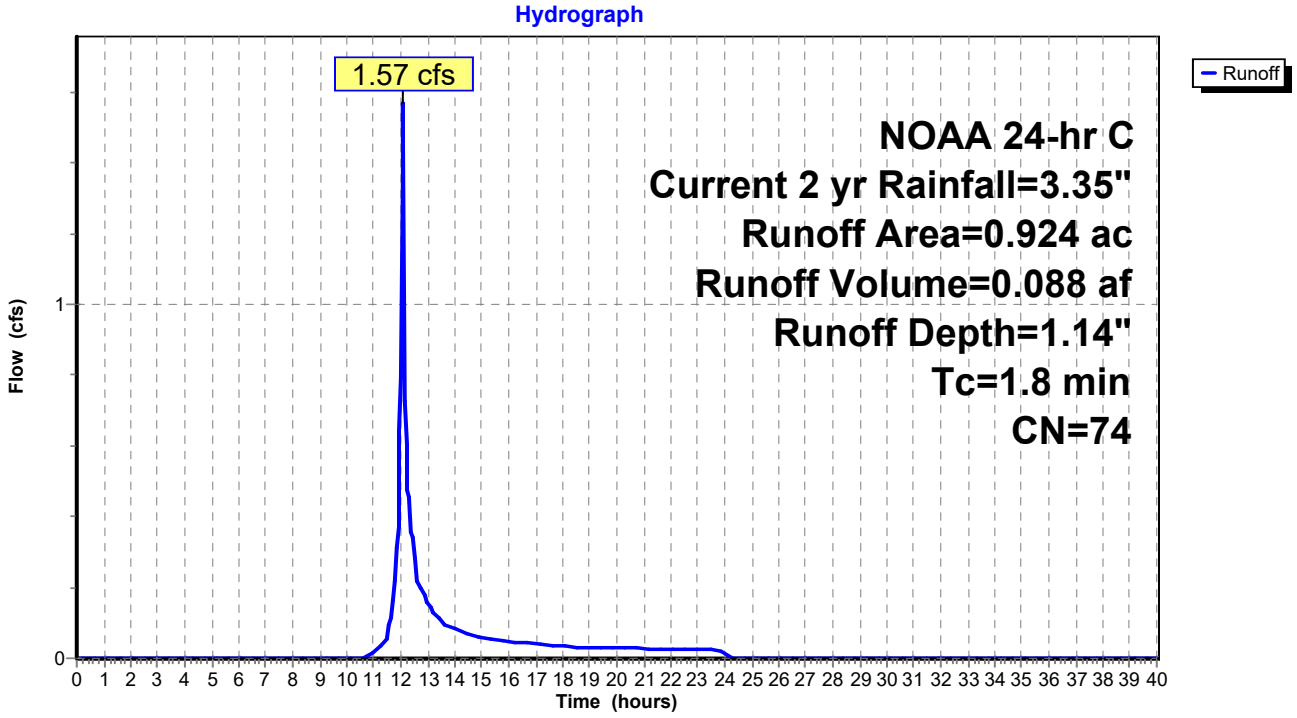
Runoff = 1.57 cfs @ 12.08 hrs, Volume= 0.088 af, Depth= 1.14"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.16
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.14
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.14
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.13
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.13
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.12
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.12
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.11
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.11
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.10
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.10
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.09
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.09
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.09
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.09
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.09
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.09
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.09
11.35	0.93	0.01	0.04	13.95	2.73	0.74	0.08
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.08
11.45	0.97	0.02	0.05	14.05	2.75	0.75	0.08
11.50	0.99	0.02	0.06	14.10	2.75	0.76	0.08
11.55	1.02	0.03	0.09	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.11	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.12	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.13	14.30	2.78	0.77	0.08
11.75	1.18	0.06	0.19	14.35	2.79	0.78	0.07
11.80	1.23	0.07	0.22	14.40	2.79	0.78	0.07
11.85	1.29	0.09	0.31	14.45	2.80	0.78	0.07
11.90	1.36	0.10	0.37	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.64	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.79	14.60	2.82	0.80	0.07
12.05	1.79	0.26	1.35	14.65	2.82	0.80	0.07
12.10	1.99	0.34	**1.52**	14.70	2.83	0.80	0.06
12.15	2.06	0.38	0.73	14.75	2.84	0.81	0.06
12.20	2.12	0.41	0.60	14.80	2.84	0.81	0.06
12.25	2.17	0.43	0.47	14.85	2.85	0.81	0.06
12.30	2.22	0.46	0.45	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.36	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.35	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.34	15.05	2.87	0.82	0.05
12.50	2.36	0.53	0.33	15.10	2.87	0.83	0.05
12.55	2.38	0.54	0.23	15.15	2.87	0.83	0.05
12.60	2.40	0.55	0.22	15.20	2.88	0.83	0.05
12.65	2.42	0.57	0.21	15.25	2.88	0.84	0.05
12.70	2.44	0.58	0.21	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.20	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.19	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.18	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.18	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.16	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.04	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.04	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.04	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

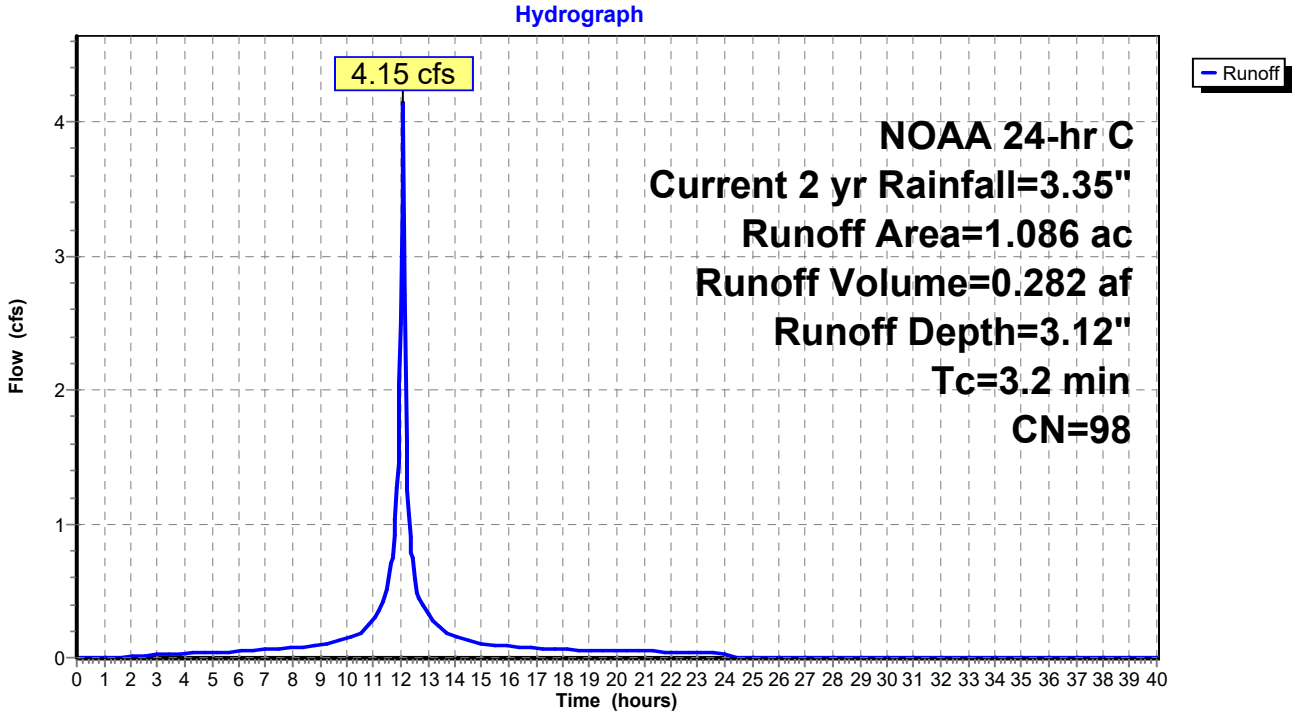
Runoff = 4.15 cfs @ 12.09 hrs, Volume= 0.282 af, Depth= 3.12"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.03
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.03
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.03
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.03
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.03
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.03
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.03
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.03
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.03
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.03
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.03
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.03
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.03
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.04
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.04
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.04
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.04
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.04
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.04
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.04
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.04
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.04
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.04
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.04
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.04
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.04
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.04

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.04	7.80	0.39	0.22	0.07
5.25	0.23	0.09	0.04	7.85	0.39	0.22	0.07
5.30	0.23	0.09	0.04	7.90	0.39	0.22	0.08
5.35	0.23	0.09	0.04	7.95	0.40	0.23	0.08
5.40	0.23	0.09	0.04	8.00	0.40	0.23	0.08
5.45	0.24	0.10	0.04	8.05	0.41	0.23	0.08
5.50	0.24	0.10	0.04	8.10	0.41	0.24	0.08
5.55	0.24	0.10	0.04	8.15	0.41	0.24	0.08
5.60	0.24	0.10	0.04	8.20	0.42	0.24	0.08
5.65	0.25	0.10	0.04	8.25	0.42	0.25	0.08
5.70	0.25	0.11	0.04	8.30	0.43	0.25	0.08
5.75	0.25	0.11	0.04	8.35	0.43	0.26	0.08
5.80	0.25	0.11	0.04	8.40	0.43	0.26	0.08
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.08
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.08
5.95	0.26	0.12	0.05	8.55	0.45	0.27	0.09
6.00	0.27	0.12	0.05	8.60	0.45	0.28	0.09
6.05	0.27	0.12	0.05	8.65	0.46	0.28	0.09
6.10	0.27	0.12	0.05	8.70	0.46	0.28	0.09
6.15	0.27	0.12	0.05	8.75	0.47	0.29	0.09
6.20	0.28	0.13	0.05	8.80	0.47	0.29	0.09
6.25	0.28	0.13	0.05	8.85	0.48	0.30	0.09
6.30	0.28	0.13	0.05	8.90	0.48	0.30	0.09
6.35	0.29	0.13	0.05	8.95	0.48	0.30	0.09
6.40	0.29	0.14	0.05	9.00	0.49	0.31	0.09
6.45	0.29	0.14	0.05	9.05	0.49	0.31	0.10
6.50	0.29	0.14	0.05	9.10	0.50	0.32	0.10
6.55	0.30	0.14	0.05	9.15	0.50	0.32	0.10
6.60	0.30	0.15	0.05	9.20	0.51	0.33	0.10
6.65	0.30	0.15	0.06	9.25	0.51	0.33	0.11
6.70	0.31	0.15	0.06	9.30	0.52	0.34	0.11
6.75	0.31	0.15	0.06	9.35	0.53	0.34	0.11
6.80	0.31	0.16	0.06	9.40	0.53	0.35	0.11
6.85	0.32	0.16	0.06	9.45	0.54	0.35	0.12
6.90	0.32	0.16	0.06	9.50	0.54	0.36	0.12
6.95	0.32	0.16	0.06	9.55	0.55	0.36	0.12
7.00	0.33	0.17	0.06	9.60	0.56	0.37	0.12
7.05	0.33	0.17	0.06	9.65	0.56	0.38	0.13
7.10	0.33	0.17	0.06	9.70	0.57	0.38	0.13
7.15	0.34	0.18	0.06	9.75	0.58	0.39	0.13
7.20	0.34	0.18	0.06	9.80	0.58	0.39	0.14
7.25	0.34	0.18	0.06	9.85	0.59	0.40	0.14
7.30	0.35	0.18	0.07	9.90	0.60	0.41	0.14
7.35	0.35	0.19	0.07	9.95	0.60	0.41	0.14
7.40	0.35	0.19	0.07	10.00	0.61	0.42	0.15
7.45	0.36	0.19	0.07	10.05	0.62	0.43	0.15
7.50	0.36	0.20	0.07	10.10	0.63	0.43	0.15
7.55	0.37	0.20	0.07	10.15	0.63	0.44	0.16
7.60	0.37	0.20	0.07	10.20	0.64	0.45	0.16
7.65	0.37	0.21	0.07	10.25	0.65	0.46	0.16
7.70	0.38	0.21	0.07	10.30	0.66	0.46	0.16
7.75	0.38	0.21	0.07	10.35	0.67	0.47	0.17

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.17	13.00	2.55	2.32	0.33
10.45	0.68	0.49	0.17	13.05	2.56	2.33	0.31
10.50	0.69	0.49	0.17	13.10	2.57	2.34	0.29
10.55	0.70	0.50	0.19	13.15	2.58	2.36	0.28
10.60	0.71	0.51	0.19	13.20	2.60	2.37	0.27
10.65	0.72	0.52	0.21	13.25	2.61	2.38	0.26
10.70	0.73	0.53	0.21	13.30	2.62	2.39	0.25
10.75	0.74	0.54	0.23	13.35	2.63	2.40	0.24
10.80	0.75	0.55	0.24	13.40	2.64	2.41	0.23
10.85	0.77	0.57	0.25	13.45	2.65	2.42	0.21
10.90	0.78	0.58	0.26	13.50	2.66	2.43	0.21
10.95	0.79	0.59	0.27	13.55	2.67	2.44	0.19
11.00	0.80	0.60	0.28	13.60	2.68	2.45	0.19
11.05	0.82	0.62	0.30	13.65	2.68	2.45	0.18
11.10	0.83	0.63	0.31	13.70	2.69	2.46	0.18
11.15	0.85	0.65	0.34	13.75	2.70	2.47	0.18
11.20	0.87	0.66	0.35	13.80	2.71	2.48	0.17
11.25	0.89	0.68	0.38	13.85	2.72	2.49	0.17
11.30	0.91	0.70	0.39	13.90	2.72	2.49	0.17
11.35	0.93	0.72	0.42	13.95	2.73	2.50	0.17
11.40	0.95	0.74	0.43	14.00	2.74	2.51	0.16
11.45	0.97	0.76	0.45	14.05	2.75	2.52	0.16
11.50	0.99	0.78	0.47	14.10	2.75	2.52	0.16
11.55	1.02	0.81	0.60	14.15	2.76	2.53	0.15
11.60	1.06	0.85	0.71	14.20	2.77	2.54	0.15
11.65	1.09	0.88	0.74	14.25	2.77	2.54	0.15
11.70	1.13	0.92	0.76	14.30	2.78	2.55	0.15
11.75	1.18	0.96	0.92	14.35	2.79	2.56	0.14
11.80	1.23	1.01	1.04	14.40	2.79	2.56	0.14
11.85	1.29	1.08	1.27	14.45	2.80	2.57	0.14
11.90	1.36	1.14	1.45	14.50	2.81	2.58	0.14
11.95	1.48	1.26	2.04	14.55	2.81	2.58	0.13
12.00	1.60	1.38	2.50	14.60	2.82	2.59	0.13
12.05	1.79	1.57	3.46	14.65	2.82	2.59	0.13
12.10	1.99	1.76	**4.11**	14.70	2.83	2.60	0.12
12.15	2.06	1.83	2.71	14.75	2.84	2.60	0.12
12.20	2.12	1.90	1.61	14.80	2.84	2.61	0.12
12.25	2.17	1.95	1.26	14.85	2.85	2.61	0.12
12.30	2.22	1.99	1.08	14.90	2.85	2.62	0.11
12.35	2.26	2.03	0.91	14.95	2.86	2.62	0.11
12.40	2.29	2.06	0.79	15.00	2.86	2.63	0.11
12.45	2.33	2.10	0.76	15.05	2.87	2.63	0.10
12.50	2.36	2.13	0.74	15.10	2.87	2.64	0.10
12.55	2.38	2.15	0.59	15.15	2.87	2.64	0.10
12.60	2.40	2.18	0.49	15.20	2.88	2.65	0.10
12.65	2.42	2.20	0.46	15.25	2.88	2.65	0.10
12.70	2.44	2.22	0.45	15.30	2.89	2.66	0.10
12.75	2.46	2.23	0.42	15.35	2.89	2.66	0.10
12.80	2.48	2.25	0.41	15.40	2.90	2.67	0.10
12.85	2.50	2.27	0.39	15.45	2.90	2.67	0.10
12.90	2.52	2.29	0.37	15.50	2.91	2.68	0.10
12.95	2.53	2.30	0.35	15.55	2.91	2.68	0.10

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.10	18.20	3.10	2.86	0.06
15.65	2.92	2.69	0.09	18.25	3.10	2.87	0.06
15.70	2.92	2.69	0.09	18.30	3.10	2.87	0.06
15.75	2.93	2.70	0.09	18.35	3.10	2.87	0.06
15.80	2.93	2.70	0.09	18.40	3.11	2.87	0.06
15.85	2.94	2.70	0.09	18.45	3.11	2.88	0.06
15.90	2.94	2.71	0.09	18.50	3.11	2.88	0.06
15.95	2.94	2.71	0.09	18.55	3.11	2.88	0.06
16.00	2.95	2.72	0.09	18.60	3.12	2.88	0.06
16.05	2.95	2.72	0.09	18.65	3.12	2.89	0.06
16.10	2.96	2.73	0.09	18.70	3.12	2.89	0.06
16.15	2.96	2.73	0.09	18.75	3.12	2.89	0.06
16.20	2.96	2.73	0.09	18.80	3.13	2.89	0.06
16.25	2.97	2.74	0.09	18.85	3.13	2.90	0.06
16.30	2.97	2.74	0.08	18.90	3.13	2.90	0.06
16.35	2.98	2.74	0.08	18.95	3.13	2.90	0.06
16.40	2.98	2.75	0.08	19.00	3.14	2.90	0.06
16.45	2.98	2.75	0.08	19.05	3.14	2.91	0.06
16.50	2.99	2.76	0.08	19.10	3.14	2.91	0.06
16.55	2.99	2.76	0.08	19.15	3.14	2.91	0.05
16.60	3.00	2.76	0.08	19.20	3.15	2.91	0.05
16.65	3.00	2.77	0.08	19.25	3.15	2.92	0.05
16.70	3.00	2.77	0.08	19.30	3.15	2.92	0.05
16.75	3.01	2.77	0.08	19.35	3.15	2.92	0.05
16.80	3.01	2.78	0.08	19.40	3.16	2.92	0.05
16.85	3.01	2.78	0.08	19.45	3.16	2.93	0.05
16.90	3.02	2.78	0.08	19.50	3.16	2.93	0.05
16.95	3.02	2.79	0.08	19.55	3.16	2.93	0.05
17.00	3.02	2.79	0.07	19.60	3.17	2.93	0.05
17.05	3.03	2.79	0.07	19.65	3.17	2.94	0.05
17.10	3.03	2.80	0.07	19.70	3.17	2.94	0.05
17.15	3.03	2.80	0.07	19.75	3.17	2.94	0.05
17.20	3.04	2.80	0.07	19.80	3.18	2.94	0.05
17.25	3.04	2.81	0.07	19.85	3.18	2.95	0.05
17.30	3.04	2.81	0.07	19.90	3.18	2.95	0.05
17.35	3.05	2.81	0.07	19.95	3.18	2.95	0.05
17.40	3.05	2.82	0.07	20.00	3.19	2.95	0.05
17.45	3.05	2.82	0.07	20.05	3.19	2.96	0.05
17.50	3.06	2.82	0.07	20.10	3.19	2.96	0.05
17.55	3.06	2.83	0.07	20.15	3.19	2.96	0.05
17.60	3.06	2.83	0.07	20.20	3.20	2.96	0.05
17.65	3.06	2.83	0.07	20.25	3.20	2.97	0.05
17.70	3.07	2.84	0.06	20.30	3.20	2.97	0.05
17.75	3.07	2.84	0.06	20.35	3.20	2.97	0.05
17.80	3.07	2.84	0.06	20.40	3.20	2.97	0.05
17.85	3.08	2.84	0.06	20.45	3.21	2.97	0.05
17.90	3.08	2.85	0.06	20.50	3.21	2.98	0.05
17.95	3.08	2.85	0.06	20.55	3.21	2.98	0.05
18.00	3.08	2.85	0.06	20.60	3.21	2.98	0.05
18.05	3.09	2.86	0.06	20.65	3.22	2.98	0.05
18.10	3.09	2.86	0.06	20.70	3.22	2.99	0.05
18.15	3.09	2.86	0.06	20.75	3.22	2.99	0.05

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.05	23.40	3.33	3.10	0.04
20.85	3.23	2.99	0.05	23.45	3.33	3.10	0.04
20.90	3.23	2.99	0.05	23.50	3.33	3.10	0.04
20.95	3.23	3.00	0.05	23.55	3.33	3.10	0.04
21.00	3.23	3.00	0.05	23.60	3.34	3.10	0.04
21.05	3.23	3.00	0.05	23.65	3.34	3.10	0.04
21.10	3.24	3.00	0.05	23.70	3.34	3.11	0.04
21.15	3.24	3.01	0.05	23.75	3.34	3.11	0.04
21.20	3.24	3.01	0.05	23.80	3.34	3.11	0.04
21.25	3.24	3.01	0.05	23.85	3.34	3.11	0.04
21.30	3.24	3.01	0.05	23.90	3.35	3.11	0.04
21.35	3.25	3.01	0.05	23.95	3.35	3.11	0.04
21.40	3.25	3.02	0.05	24.00	**3.35**	**3.12**	0.05
21.45	3.25	3.02	0.05	24.05	3.35	3.12	0.02
21.50	3.25	3.02	0.05	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.05	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.05	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.05	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.05	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.05	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.05	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.05	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.04	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.04	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.04	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.04	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.04	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.04	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.04	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.04	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.04	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.04	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.04	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.04	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.04	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.04	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.04	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.04	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.04	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.04	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.04	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.04	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.04	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.04	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.04	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

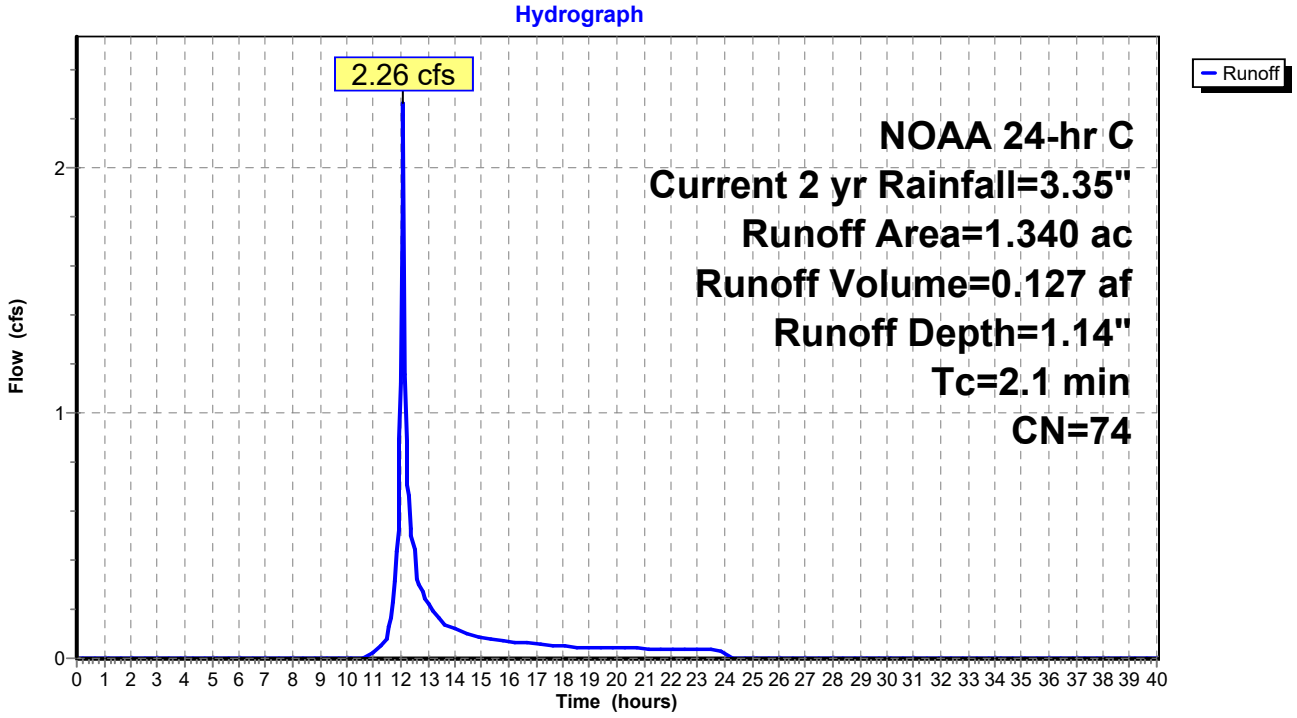
Runoff = 2.26 cfs @ 12.09 hrs, Volume= 0.127 af, Depth= 1.14"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.23
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.21
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.20
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.19
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.19
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.18
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.18
10.75	0.74	0.00	0.01	13.35	2.63	0.68	0.17
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.16
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.15
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.15
10.95	0.79	0.00	0.02	13.55	2.67	0.70	0.14
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.13
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.13
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.13
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.13
11.20	0.87	0.01	0.04	13.80	2.71	0.73	0.13
11.25	0.89	0.01	0.05	13.85	2.72	0.73	0.12
11.30	0.91	0.01	0.05	13.90	2.72	0.74	0.12
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.12
11.40	0.95	0.02	0.07	14.00	2.74	0.75	0.12
11.45	0.97	0.02	0.08	14.05	2.75	0.75	0.12
11.50	0.99	0.02	0.08	14.10	2.75	0.76	0.12
11.55	1.02	0.03	0.13	14.15	2.76	0.76	0.11
11.60	1.06	0.03	0.15	14.20	2.77	0.76	0.11
11.65	1.09	0.04	0.17	14.25	2.77	0.77	0.11
11.70	1.13	0.05	0.19	14.30	2.78	0.77	0.11
11.75	1.18	0.06	0.27	14.35	2.79	0.78	0.11
11.80	1.23	0.07	0.31	14.40	2.79	0.78	0.11
11.85	1.29	0.09	0.44	14.45	2.80	0.78	0.10
11.90	1.36	0.10	0.52	14.50	2.81	0.79	0.10
11.95	1.48	0.14	0.89	14.55	2.81	0.79	0.10
12.00	1.60	0.18	1.12	14.60	2.82	0.80	0.10
12.05	1.79	0.26	1.89	14.65	2.82	0.80	0.09
12.10	1.99	0.34	**2.21**	14.70	2.83	0.80	0.09
12.15	2.06	0.38	1.15	14.75	2.84	0.81	0.09
12.20	2.12	0.41	0.88	14.80	2.84	0.81	0.09
12.25	2.17	0.43	0.70	14.85	2.85	0.81	0.09
12.30	2.22	0.46	0.66	14.90	2.85	0.82	0.09
12.35	2.26	0.48	0.53	14.95	2.86	0.82	0.08
12.40	2.29	0.50	0.50	15.00	2.86	0.82	0.08
12.45	2.33	0.51	0.49	15.05	2.87	0.82	0.08
12.50	2.36	0.53	0.48	15.10	2.87	0.83	0.08
12.55	2.38	0.54	0.35	15.15	2.87	0.83	0.08
12.60	2.40	0.55	0.32	15.20	2.88	0.83	0.08
12.65	2.42	0.57	0.31	15.25	2.88	0.84	0.08
12.70	2.44	0.58	0.30	15.30	2.89	0.84	0.08
12.75	2.46	0.59	0.28	15.35	2.89	0.84	0.08
12.80	2.48	0.60	0.28	15.40	2.90	0.84	0.08
12.85	2.50	0.61	0.26	15.45	2.90	0.85	0.07
12.90	2.52	0.62	0.26	15.50	2.91	0.85	0.07
12.95	2.53	0.63	0.24	15.55	2.91	0.85	0.07

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.07	18.20	3.10	0.97	0.05
15.65	2.92	0.86	0.07	18.25	3.10	0.97	0.05
15.70	2.92	0.86	0.07	18.30	3.10	0.97	0.05
15.75	2.93	0.86	0.07	18.35	3.10	0.97	0.05
15.80	2.93	0.87	0.07	18.40	3.11	0.98	0.05
15.85	2.94	0.87	0.07	18.45	3.11	0.98	0.05
15.90	2.94	0.87	0.07	18.50	3.11	0.98	0.05
15.95	2.94	0.87	0.07	18.55	3.11	0.98	0.05
16.00	2.95	0.88	0.07	18.60	3.12	0.98	0.05
16.05	2.95	0.88	0.07	18.65	3.12	0.98	0.05
16.10	2.96	0.88	0.07	18.70	3.12	0.99	0.05
16.15	2.96	0.88	0.07	18.75	3.12	0.99	0.05
16.20	2.96	0.89	0.07	18.80	3.13	0.99	0.05
16.25	2.97	0.89	0.07	18.85	3.13	0.99	0.05
16.30	2.97	0.89	0.07	18.90	3.13	0.99	0.05
16.35	2.98	0.89	0.07	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.07	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.06	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.06	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.06	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.06	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.06	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.06	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.06	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.06	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.06	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.06	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.06	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.06	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.06	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.06	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.06	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.06	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.06	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.06	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.05	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.05	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.05	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.05	20.30	3.20	1.04	0.04
17.75	3.07	0.95	0.05	20.35	3.20	1.04	0.04
17.80	3.07	0.96	0.05	20.40	3.20	1.04	0.04
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.05	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.05	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.05	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.05	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.05	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.05	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.04	23.95	3.35	1.14	0.04
21.40	3.25	1.07	0.04	24.00	**3.35**	**1.14**	0.04
21.45	3.25	1.07	0.04	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.04	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.04	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.04	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.04	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.04	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.04	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.04	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.04	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.04	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.04	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.04	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

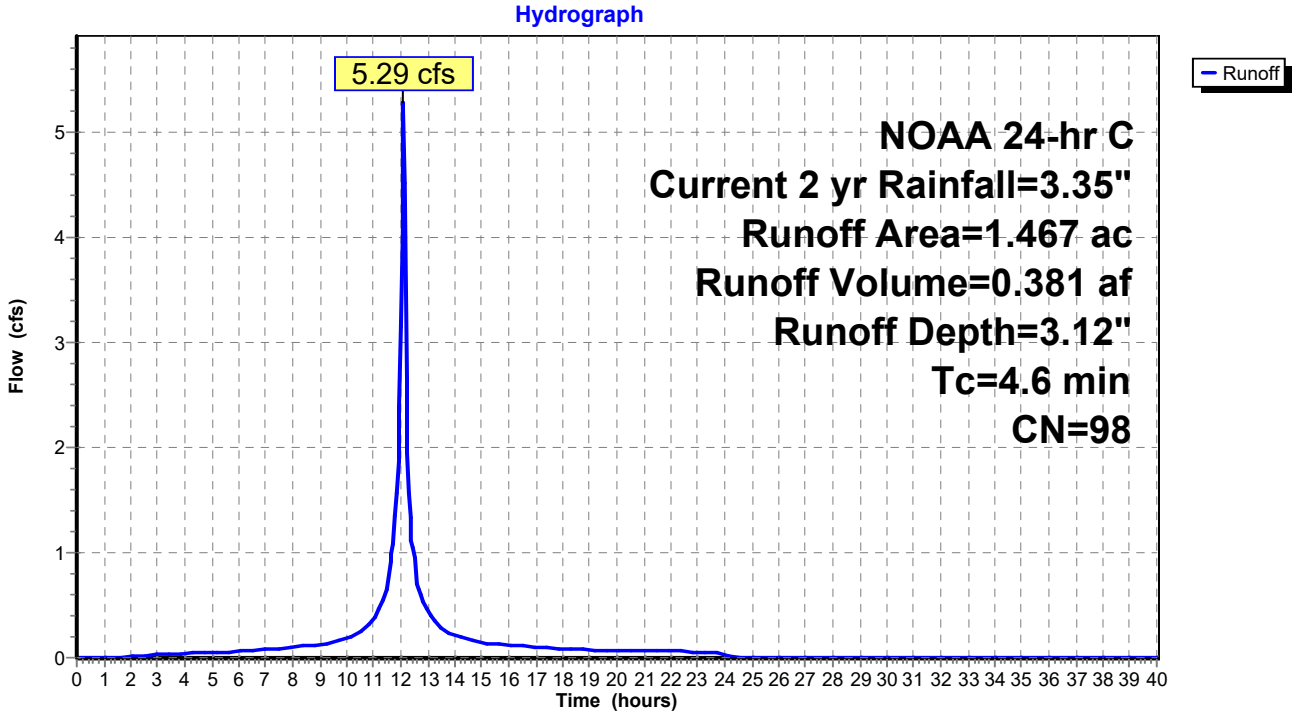
Runoff = 5.29 cfs @ 12.11 hrs, Volume= 0.381 af, Depth= 3.12"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.03
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.03
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.03
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.03
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.03
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.03
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.03
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.03
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.03
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.03
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.04
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.04
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.04
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.04
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.04
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.04
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.04
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.04
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.04
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.04
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.04
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.04
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.04
1.45	0.05	0.00	0.01	4.05	0.17	0.05	0.04
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.04
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.04
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.04
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.04
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.05
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.05
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.05
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.05
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.05
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.05
2.00	0.08	0.01	0.02	4.60	0.19	0.07	0.05
2.05	0.08	0.01	0.02	4.65	0.20	0.07	0.05
2.10	0.08	0.01	0.02	4.70	0.20	0.07	0.05
2.15	0.08	0.01	0.02	4.75	0.20	0.07	0.05
2.20	0.08	0.01	0.02	4.80	0.20	0.07	0.05
2.25	0.09	0.01	0.02	4.85	0.21	0.07	0.05
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.05
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.05
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.05
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.05
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.05
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.05

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.05	7.80	0.39	0.22	0.10
5.25	0.23	0.09	0.05	7.85	0.39	0.22	0.10
5.30	0.23	0.09	0.06	7.90	0.39	0.22	0.10
5.35	0.23	0.09	0.06	7.95	0.40	0.23	0.10
5.40	0.23	0.09	0.06	8.00	0.40	0.23	0.10
5.45	0.24	0.10	0.06	8.05	0.41	0.23	0.10
5.50	0.24	0.10	0.06	8.10	0.41	0.24	0.11
5.55	0.24	0.10	0.06	8.15	0.41	0.24	0.11
5.60	0.24	0.10	0.06	8.20	0.42	0.24	0.11
5.65	0.25	0.10	0.06	8.25	0.42	0.25	0.11
5.70	0.25	0.11	0.06	8.30	0.43	0.25	0.11
5.75	0.25	0.11	0.06	8.35	0.43	0.26	0.11
5.80	0.25	0.11	0.06	8.40	0.43	0.26	0.11
5.85	0.26	0.11	0.06	8.45	0.44	0.26	0.11
5.90	0.26	0.11	0.06	8.50	0.44	0.27	0.11
5.95	0.26	0.12	0.06	8.55	0.45	0.27	0.11
6.00	0.27	0.12	0.06	8.60	0.45	0.28	0.12
6.05	0.27	0.12	0.06	8.65	0.46	0.28	0.12
6.10	0.27	0.12	0.06	8.70	0.46	0.28	0.12
6.15	0.27	0.12	0.06	8.75	0.47	0.29	0.12
6.20	0.28	0.13	0.07	8.80	0.47	0.29	0.12
6.25	0.28	0.13	0.07	8.85	0.48	0.30	0.12
6.30	0.28	0.13	0.07	8.90	0.48	0.30	0.12
6.35	0.29	0.13	0.07	8.95	0.48	0.30	0.12
6.40	0.29	0.14	0.07	9.00	0.49	0.31	0.12
6.45	0.29	0.14	0.07	9.05	0.49	0.31	0.13
6.50	0.29	0.14	0.07	9.10	0.50	0.32	0.13
6.55	0.30	0.14	0.07	9.15	0.50	0.32	0.13
6.60	0.30	0.15	0.07	9.20	0.51	0.33	0.14
6.65	0.30	0.15	0.07	9.25	0.51	0.33	0.14
6.70	0.31	0.15	0.08	9.30	0.52	0.34	0.15
6.75	0.31	0.15	0.08	9.35	0.53	0.34	0.15
6.80	0.31	0.16	0.08	9.40	0.53	0.35	0.15
6.85	0.32	0.16	0.08	9.45	0.54	0.35	0.16
6.90	0.32	0.16	0.08	9.50	0.54	0.36	0.16
6.95	0.32	0.16	0.08	9.55	0.55	0.36	0.16
7.00	0.33	0.17	0.08	9.60	0.56	0.37	0.17
7.05	0.33	0.17	0.08	9.65	0.56	0.38	0.17
7.10	0.33	0.17	0.08	9.70	0.57	0.38	0.17
7.15	0.34	0.18	0.08	9.75	0.58	0.39	0.18
7.20	0.34	0.18	0.09	9.80	0.58	0.39	0.18
7.25	0.34	0.18	0.09	9.85	0.59	0.40	0.19
7.30	0.35	0.18	0.09	9.90	0.60	0.41	0.19
7.35	0.35	0.19	0.09	9.95	0.60	0.41	0.19
7.40	0.35	0.19	0.09	10.00	0.61	0.42	0.20
7.45	0.36	0.19	0.09	10.05	0.62	0.43	0.20
7.50	0.36	0.20	0.09	10.10	0.63	0.43	0.20
7.55	0.37	0.20	0.09	10.15	0.63	0.44	0.21
7.60	0.37	0.20	0.09	10.20	0.64	0.45	0.21
7.65	0.37	0.21	0.10	10.25	0.65	0.46	0.22
7.70	0.38	0.21	0.10	10.30	0.66	0.46	0.22
7.75	0.38	0.21	0.10	10.35	0.67	0.47	0.22

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.23	13.00	2.55	2.32	0.45
10.45	0.68	0.49	0.23	13.05	2.56	2.33	0.43
10.50	0.69	0.49	0.23	13.10	2.57	2.34	0.40
10.55	0.70	0.50	0.24	13.15	2.58	2.36	0.38
10.60	0.71	0.51	0.26	13.20	2.60	2.37	0.37
10.65	0.72	0.52	0.27	13.25	2.61	2.38	0.35
10.70	0.73	0.53	0.29	13.30	2.62	2.39	0.34
10.75	0.74	0.54	0.30	13.35	2.63	2.40	0.33
10.80	0.75	0.55	0.31	13.40	2.64	2.41	0.31
10.85	0.77	0.57	0.33	13.45	2.65	2.42	0.30
10.90	0.78	0.58	0.34	13.50	2.66	2.43	0.28
10.95	0.79	0.59	0.35	13.55	2.67	2.44	0.27
11.00	0.80	0.60	0.37	13.60	2.68	2.45	0.25
11.05	0.82	0.62	0.39	13.65	2.68	2.45	0.25
11.10	0.83	0.63	0.42	13.70	2.69	2.46	0.24
11.15	0.85	0.65	0.44	13.75	2.70	2.47	0.24
11.20	0.87	0.66	0.47	13.80	2.71	2.48	0.24
11.25	0.89	0.68	0.49	13.85	2.72	2.49	0.23
11.30	0.91	0.70	0.52	13.90	2.72	2.49	0.23
11.35	0.93	0.72	0.55	13.95	2.73	2.50	0.23
11.40	0.95	0.74	0.57	14.00	2.74	2.51	0.22
11.45	0.97	0.76	0.60	14.05	2.75	2.52	0.22
11.50	0.99	0.78	0.62	14.10	2.75	2.52	0.21
11.55	1.02	0.81	0.73	14.15	2.76	2.53	0.21
11.60	1.06	0.85	0.91	14.20	2.77	2.54	0.21
11.65	1.09	0.88	0.98	14.25	2.77	2.54	0.20
11.70	1.13	0.92	1.02	14.30	2.78	2.55	0.20
11.75	1.18	0.96	1.14	14.35	2.79	2.56	0.20
11.80	1.23	1.01	1.34	14.40	2.79	2.56	0.19
11.85	1.29	1.08	1.57	14.45	2.80	2.57	0.19
11.90	1.36	1.14	1.87	14.50	2.81	2.58	0.18
11.95	1.48	1.26	2.38	14.55	2.81	2.58	0.18
12.00	1.60	1.38	3.15	14.60	2.82	2.59	0.18
12.05	1.79	1.57	4.05	14.65	2.82	2.59	0.17
12.10	1.99	1.76	**5.27**	14.70	2.83	2.60	0.17
12.15	2.06	1.83	4.52	14.75	2.84	2.60	0.17
12.20	2.12	1.90	2.66	14.80	2.84	2.61	0.16
12.25	2.17	1.95	1.96	14.85	2.85	2.61	0.16
12.30	2.22	1.99	1.56	14.90	2.85	2.62	0.15
12.35	2.26	2.03	1.34	14.95	2.86	2.62	0.15
12.40	2.29	2.06	1.12	15.00	2.86	2.63	0.15
12.45	2.33	2.10	1.05	15.05	2.87	2.63	0.14
12.50	2.36	2.13	1.01	15.10	2.87	2.64	0.14
12.55	2.38	2.15	0.89	15.15	2.87	2.64	0.14
12.60	2.40	2.18	0.71	15.20	2.88	2.65	0.14
12.65	2.42	2.20	0.64	15.25	2.88	2.65	0.14
12.70	2.44	2.22	0.61	15.30	2.89	2.66	0.13
12.75	2.46	2.23	0.59	15.35	2.89	2.66	0.13
12.80	2.48	2.25	0.56	15.40	2.90	2.67	0.13
12.85	2.50	2.27	0.54	15.45	2.90	2.67	0.13
12.90	2.52	2.29	0.51	15.50	2.91	2.68	0.13
12.95	2.53	2.30	0.48	15.55	2.91	2.68	0.13

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.13	18.20	3.10	2.86	0.08
15.65	2.92	2.69	0.13	18.25	3.10	2.87	0.08
15.70	2.92	2.69	0.13	18.30	3.10	2.87	0.08
15.75	2.93	2.70	0.13	18.35	3.10	2.87	0.08
15.80	2.93	2.70	0.12	18.40	3.11	2.87	0.08
15.85	2.94	2.70	0.12	18.45	3.11	2.88	0.08
15.90	2.94	2.71	0.12	18.50	3.11	2.88	0.08
15.95	2.94	2.71	0.12	18.55	3.11	2.88	0.08
16.00	2.95	2.72	0.12	18.60	3.12	2.88	0.08
16.05	2.95	2.72	0.12	18.65	3.12	2.89	0.08
16.10	2.96	2.73	0.12	18.70	3.12	2.89	0.08
16.15	2.96	2.73	0.12	18.75	3.12	2.89	0.08
16.20	2.96	2.73	0.12	18.80	3.13	2.89	0.08
16.25	2.97	2.74	0.12	18.85	3.13	2.90	0.08
16.30	2.97	2.74	0.11	18.90	3.13	2.90	0.08
16.35	2.98	2.74	0.11	18.95	3.13	2.90	0.08
16.40	2.98	2.75	0.11	19.00	3.14	2.90	0.08
16.45	2.98	2.75	0.11	19.05	3.14	2.91	0.07
16.50	2.99	2.76	0.11	19.10	3.14	2.91	0.07
16.55	2.99	2.76	0.11	19.15	3.14	2.91	0.07
16.60	3.00	2.76	0.11	19.20	3.15	2.91	0.07
16.65	3.00	2.77	0.11	19.25	3.15	2.92	0.07
16.70	3.00	2.77	0.11	19.30	3.15	2.92	0.07
16.75	3.01	2.77	0.11	19.35	3.15	2.92	0.07
16.80	3.01	2.78	0.11	19.40	3.16	2.92	0.07
16.85	3.01	2.78	0.10	19.45	3.16	2.93	0.07
16.90	3.02	2.78	0.10	19.50	3.16	2.93	0.07
16.95	3.02	2.79	0.10	19.55	3.16	2.93	0.07
17.00	3.02	2.79	0.10	19.60	3.17	2.93	0.07
17.05	3.03	2.79	0.10	19.65	3.17	2.94	0.07
17.10	3.03	2.80	0.10	19.70	3.17	2.94	0.07
17.15	3.03	2.80	0.10	19.75	3.17	2.94	0.07
17.20	3.04	2.80	0.10	19.80	3.18	2.94	0.07
17.25	3.04	2.81	0.10	19.85	3.18	2.95	0.07
17.30	3.04	2.81	0.10	19.90	3.18	2.95	0.07
17.35	3.05	2.81	0.09	19.95	3.18	2.95	0.07
17.40	3.05	2.82	0.09	20.00	3.19	2.95	0.07
17.45	3.05	2.82	0.09	20.05	3.19	2.96	0.07
17.50	3.06	2.82	0.09	20.10	3.19	2.96	0.07
17.55	3.06	2.83	0.09	20.15	3.19	2.96	0.07
17.60	3.06	2.83	0.09	20.20	3.20	2.96	0.07
17.65	3.06	2.83	0.09	20.25	3.20	2.97	0.07
17.70	3.07	2.84	0.09	20.30	3.20	2.97	0.07
17.75	3.07	2.84	0.09	20.35	3.20	2.97	0.07
17.80	3.07	2.84	0.09	20.40	3.20	2.97	0.07
17.85	3.08	2.84	0.08	20.45	3.21	2.97	0.07
17.90	3.08	2.85	0.08	20.50	3.21	2.98	0.07
17.95	3.08	2.85	0.08	20.55	3.21	2.98	0.07
18.00	3.08	2.85	0.08	20.60	3.21	2.98	0.07
18.05	3.09	2.86	0.08	20.65	3.22	2.98	0.07
18.10	3.09	2.86	0.08	20.70	3.22	2.99	0.07
18.15	3.09	2.86	0.08	20.75	3.22	2.99	0.07

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.07	23.40	3.33	3.10	0.05
20.85	3.23	2.99	0.07	23.45	3.33	3.10	0.05
20.90	3.23	2.99	0.07	23.50	3.33	3.10	0.05
20.95	3.23	3.00	0.07	23.55	3.33	3.10	0.05
21.00	3.23	3.00	0.07	23.60	3.34	3.10	0.05
21.05	3.23	3.00	0.07	23.65	3.34	3.10	0.05
21.10	3.24	3.00	0.06	23.70	3.34	3.11	0.05
21.15	3.24	3.01	0.06	23.75	3.34	3.11	0.05
21.20	3.24	3.01	0.06	23.80	3.34	3.11	0.05
21.25	3.24	3.01	0.06	23.85	3.34	3.11	0.05
21.30	3.24	3.01	0.06	23.90	3.35	3.11	0.05
21.35	3.25	3.01	0.06	23.95	3.35	3.11	0.05
21.40	3.25	3.02	0.06	24.00	**3.35**	**3.12**	0.06
21.45	3.25	3.02	0.06	24.05	3.35	3.12	0.04
21.50	3.25	3.02	0.06	24.10	3.35	3.12	0.01
21.55	3.26	3.02	0.06	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.06	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.06	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.06	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.06	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.06	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.06	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.06	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.06	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.06	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.06	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.06	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.06	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.06	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.06	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.06	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.06	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.06	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.06	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.06	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.06	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.06	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.06	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.06	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.06	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.06	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.06	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.06	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.06	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.06	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.06	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.05	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.05	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.05	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.05	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.05	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.05	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

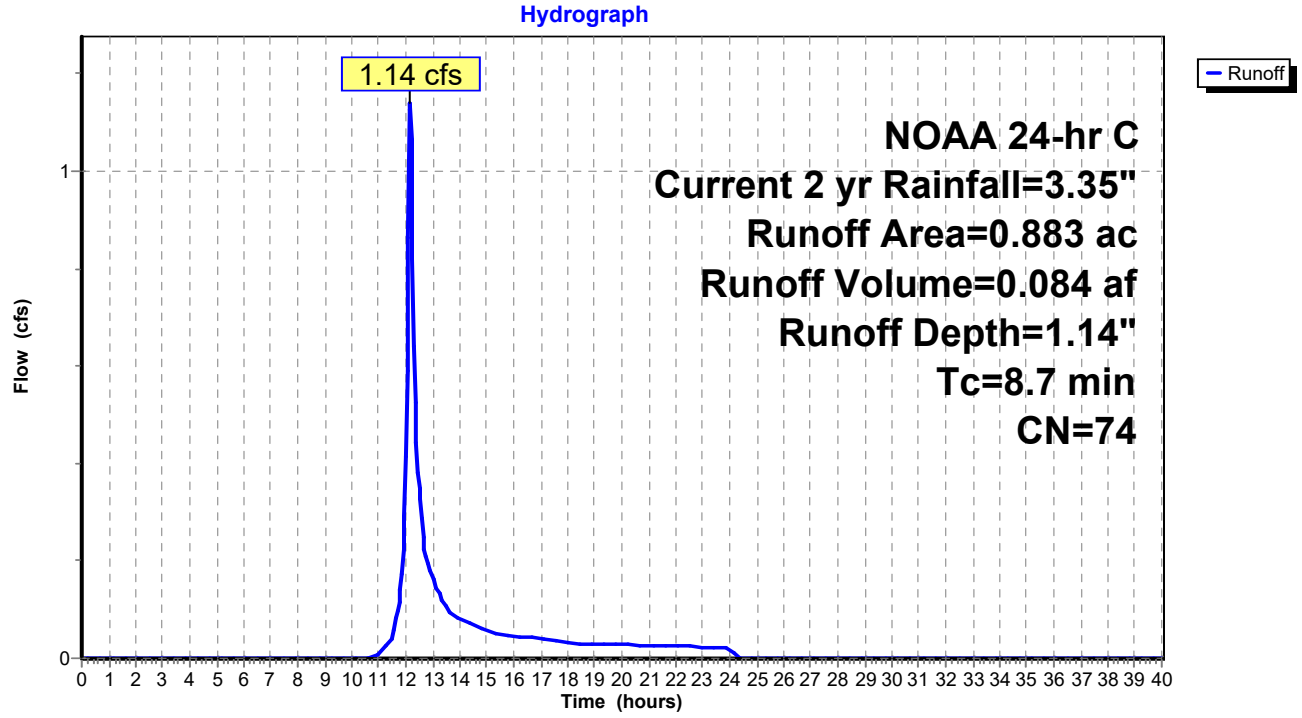
Runoff = 1.14 cfs @ 12.17 hrs, Volume= 0.084 af, Depth= 1.14"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.17
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.16
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.15
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.14
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.14
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.13
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.13
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.12
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.12
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.11
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.11
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.10
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.10
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.09
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.09
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.09
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.09
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.08
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.08
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.08
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.08
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.08
11.55	1.02	0.03	0.05	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.06	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.08	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.10	14.30	2.78	0.77	0.07
11.75	1.18	0.06	0.11	14.35	2.79	0.78	0.07
11.80	1.23	0.07	0.14	14.40	2.79	0.78	0.07
11.85	1.29	0.09	0.17	14.45	2.80	0.78	0.07
11.90	1.36	0.10	0.22	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.29	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.42	14.60	2.82	0.80	0.07
12.05	1.79	0.26	0.59	14.65	2.82	0.80	0.07
12.10	1.99	0.34	0.86	14.70	2.83	0.80	0.06
12.15	2.06	0.38	**1.13**	14.75	2.84	0.81	0.06
12.20	2.12	0.41	1.06	14.80	2.84	0.81	0.06
12.25	2.17	0.43	0.82	14.85	2.85	0.81	0.06
12.30	2.22	0.46	0.64	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.53	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.44	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.38	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.35	15.10	2.87	0.83	0.05
12.55	2.38	0.54	0.33	15.15	2.87	0.83	0.05
12.60	2.40	0.55	0.29	15.20	2.88	0.83	0.05
12.65	2.42	0.57	0.25	15.25	2.88	0.84	0.05
12.70	2.44	0.58	0.22	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.21	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.20	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.19	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.18	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.17	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.04	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.04	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.04	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.04	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.04	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.02
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.02
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.01
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

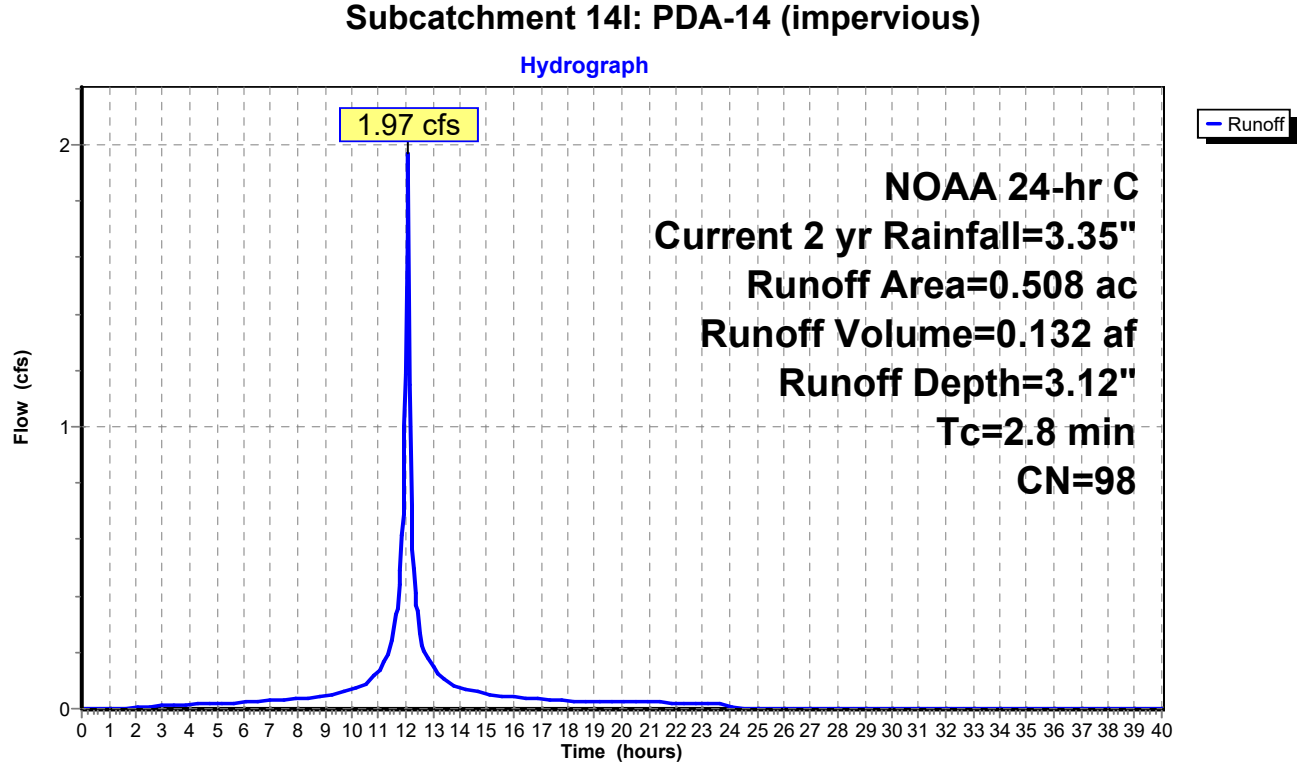
Summary for Subcatchment 14l: PDA-14 (impervious)

Runoff = 1.97 cfs @ 12.09 hrs, Volume= 0.132 af, Depth= 3.12"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.03
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.04
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.04
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.04
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.04
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.04
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.04
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.04
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.04
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.04
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.04
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.04
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.04
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.04
6.50	0.29	0.14	0.02	9.10	0.50	0.32	0.05
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.05
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.05
6.65	0.30	0.15	0.03	9.25	0.51	0.33	0.05
6.70	0.31	0.15	0.03	9.30	0.52	0.34	0.05
6.75	0.31	0.15	0.03	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.03	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.05
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.06
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.06
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.06
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.06
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.06
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.07
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.07
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.07
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.07
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.07
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.07
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.07
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.07
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.08
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.08
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.08

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.08	13.00	2.55	2.32	0.15
10.45	0.68	0.49	0.08	13.05	2.56	2.33	0.14
10.50	0.69	0.49	0.08	13.10	2.57	2.34	0.14
10.55	0.70	0.50	0.09	13.15	2.58	2.36	0.13
10.60	0.71	0.51	0.09	13.20	2.60	2.37	0.13
10.65	0.72	0.52	0.10	13.25	2.61	2.38	0.12
10.70	0.73	0.53	0.10	13.30	2.62	2.39	0.12
10.75	0.74	0.54	0.11	13.35	2.63	2.40	0.11
10.80	0.75	0.55	0.11	13.40	2.64	2.41	0.11
10.85	0.77	0.57	0.12	13.45	2.65	2.42	0.10
10.90	0.78	0.58	0.12	13.50	2.66	2.43	0.10
10.95	0.79	0.59	0.13	13.55	2.67	2.44	0.09
11.00	0.80	0.60	0.13	13.60	2.68	2.45	0.09
11.05	0.82	0.62	0.14	13.65	2.68	2.45	0.08
11.10	0.83	0.63	0.15	13.70	2.69	2.46	0.08
11.15	0.85	0.65	0.16	13.75	2.70	2.47	0.08
11.20	0.87	0.66	0.17	13.80	2.71	2.48	0.08
11.25	0.89	0.68	0.18	13.85	2.72	2.49	0.08
11.30	0.91	0.70	0.18	13.90	2.72	2.49	0.08
11.35	0.93	0.72	0.20	13.95	2.73	2.50	0.08
11.40	0.95	0.74	0.20	14.00	2.74	2.51	0.08
11.45	0.97	0.76	0.21	14.05	2.75	2.52	0.07
11.50	0.99	0.78	0.22	14.10	2.75	2.52	0.07
11.55	1.02	0.81	0.29	14.15	2.76	2.53	0.07
11.60	1.06	0.85	0.33	14.20	2.77	2.54	0.07
11.65	1.09	0.88	0.35	14.25	2.77	2.54	0.07
11.70	1.13	0.92	0.36	14.30	2.78	2.55	0.07
11.75	1.18	0.96	0.44	14.35	2.79	2.56	0.07
11.80	1.23	1.01	0.49	14.40	2.79	2.56	0.07
11.85	1.29	1.08	0.61	14.45	2.80	2.57	0.06
11.90	1.36	1.14	0.69	14.50	2.81	2.58	0.06
11.95	1.48	1.26	1.00	14.55	2.81	2.58	0.06
12.00	1.60	1.38	1.18	14.60	2.82	2.59	0.06
12.05	1.79	1.57	1.69	14.65	2.82	2.59	0.06
12.10	1.99	1.76	**1.93**	14.70	2.83	2.60	0.06
12.15	2.06	1.83	1.15	14.75	2.84	2.60	0.06
12.20	2.12	1.90	0.72	14.80	2.84	2.61	0.06
12.25	2.17	1.95	0.57	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.50	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.41	14.95	2.86	2.62	0.05
12.40	2.29	2.06	0.37	15.00	2.86	2.63	0.05
12.45	2.33	2.10	0.35	15.05	2.87	2.63	0.05
12.50	2.36	2.13	0.34	15.10	2.87	2.64	0.05
12.55	2.38	2.15	0.27	15.15	2.87	2.64	0.05
12.60	2.40	2.18	0.23	15.20	2.88	2.65	0.05
12.65	2.42	2.20	0.21	15.25	2.88	2.65	0.05
12.70	2.44	2.22	0.21	15.30	2.89	2.66	0.05
12.75	2.46	2.23	0.20	15.35	2.89	2.66	0.05
12.80	2.48	2.25	0.19	15.40	2.90	2.67	0.05
12.85	2.50	2.27	0.18	15.45	2.90	2.67	0.05
12.90	2.52	2.29	0.17	15.50	2.91	2.68	0.05
12.95	2.53	2.30	0.16	15.55	2.91	2.68	0.04

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.04	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.03
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.03
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.03
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.03
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.03
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.03
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.03
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.03
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.03
16.25	2.97	2.74	0.04	18.85	3.13	2.90	0.03
16.30	2.97	2.74	0.04	18.90	3.13	2.90	0.03
16.35	2.98	2.74	0.04	18.95	3.13	2.90	0.03
16.40	2.98	2.75	0.04	19.00	3.14	2.90	0.03
16.45	2.98	2.75	0.04	19.05	3.14	2.91	0.03
16.50	2.99	2.76	0.04	19.10	3.14	2.91	0.03
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.03
16.60	3.00	2.76	0.04	19.20	3.15	2.91	0.03
16.65	3.00	2.77	0.04	19.25	3.15	2.92	0.03
16.70	3.00	2.77	0.04	19.30	3.15	2.92	0.03
16.75	3.01	2.77	0.04	19.35	3.15	2.92	0.03
16.80	3.01	2.78	0.04	19.40	3.16	2.92	0.03
16.85	3.01	2.78	0.04	19.45	3.16	2.93	0.03
16.90	3.02	2.78	0.04	19.50	3.16	2.93	0.03
16.95	3.02	2.79	0.04	19.55	3.16	2.93	0.03
17.00	3.02	2.79	0.04	19.60	3.17	2.93	0.02
17.05	3.03	2.79	0.03	19.65	3.17	2.94	0.02
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.02
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.02
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.02
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

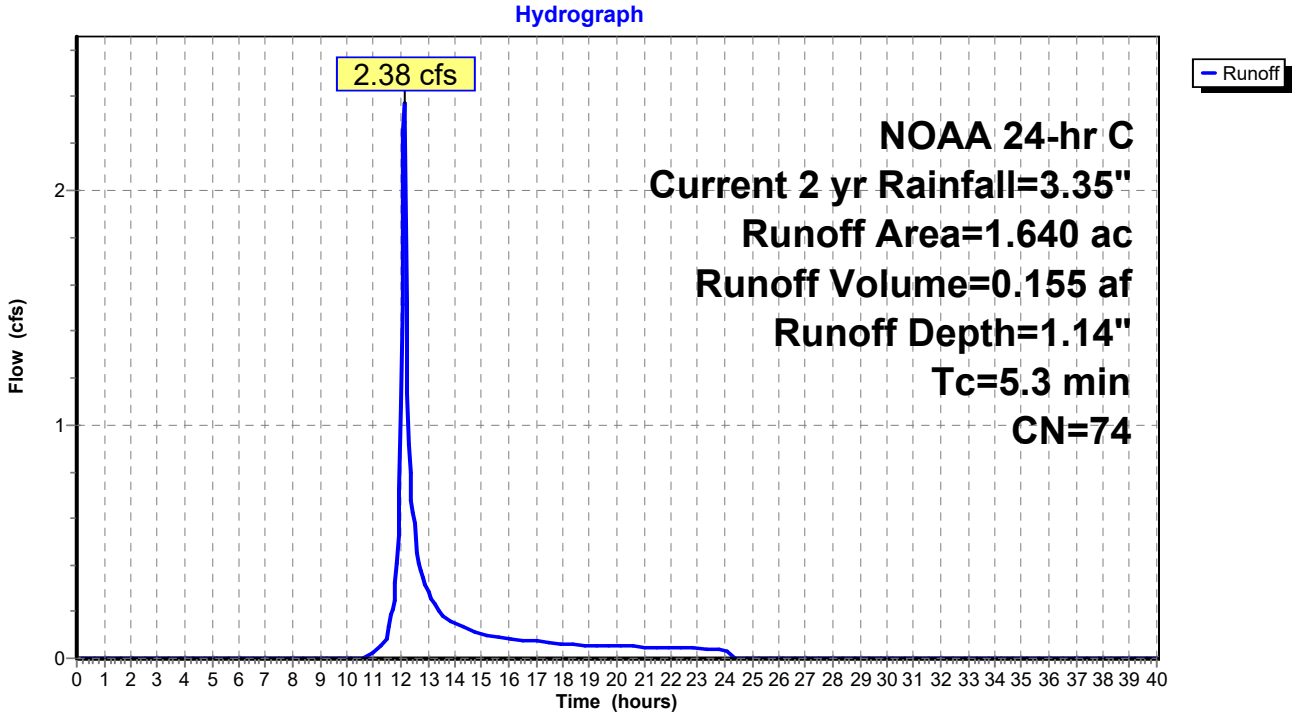
Runoff = 2.38 cfs @ 12.13 hrs, Volume= 0.155 af, Depth= 1.14"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.29
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.28
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.26
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.25
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.24
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.23
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.22
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.22
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.21
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.20
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.19
10.95	0.79	0.00	0.02	13.55	2.67	0.70	0.18
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.17
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.17
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.16
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.16
11.20	0.87	0.01	0.04	13.80	2.71	0.73	0.16
11.25	0.89	0.01	0.05	13.85	2.72	0.73	0.16
11.30	0.91	0.01	0.06	13.90	2.72	0.74	0.15
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.15
11.40	0.95	0.02	0.07	14.00	2.74	0.75	0.15
11.45	0.97	0.02	0.08	14.05	2.75	0.75	0.15
11.50	0.99	0.02	0.09	14.10	2.75	0.76	0.14
11.55	1.02	0.03	0.11	14.15	2.76	0.76	0.14
11.60	1.06	0.03	0.15	14.20	2.77	0.76	0.14
11.65	1.09	0.04	0.18	14.25	2.77	0.77	0.14
11.70	1.13	0.05	0.21	14.30	2.78	0.77	0.14
11.75	1.18	0.06	0.25	14.35	2.79	0.78	0.13
11.80	1.23	0.07	0.32	14.40	2.79	0.78	0.13
11.85	1.29	0.09	0.40	14.45	2.80	0.78	0.13
11.90	1.36	0.10	0.53	14.50	2.81	0.79	0.13
11.95	1.48	0.14	0.72	14.55	2.81	0.79	0.12
12.00	1.60	0.18	1.07	14.60	2.82	0.80	0.12
12.05	1.79	0.26	1.52	14.65	2.82	0.80	0.12
12.10	1.99	0.34	2.25	14.70	2.83	0.80	0.12
12.15	2.06	0.38	**2.30**	14.75	2.84	0.81	0.11
12.20	2.12	0.41	1.52	14.80	2.84	0.81	0.11
12.25	2.17	0.43	1.13	14.85	2.85	0.81	0.11
12.30	2.22	0.46	0.91	14.90	2.85	0.82	0.11
12.35	2.26	0.48	0.79	14.95	2.86	0.82	0.10
12.40	2.29	0.50	0.67	15.00	2.86	0.82	0.10
12.45	2.33	0.51	0.62	15.05	2.87	0.82	0.10
12.50	2.36	0.53	0.60	15.10	2.87	0.83	0.10
12.55	2.38	0.54	0.55	15.15	2.87	0.83	0.10
12.60	2.40	0.55	0.45	15.20	2.88	0.83	0.09
12.65	2.42	0.57	0.40	15.25	2.88	0.84	0.09
12.70	2.44	0.58	0.38	15.30	2.89	0.84	0.09
12.75	2.46	0.59	0.37	15.35	2.89	0.84	0.09
12.80	2.48	0.60	0.35	15.40	2.90	0.84	0.09
12.85	2.50	0.61	0.34	15.45	2.90	0.85	0.09
12.90	2.52	0.62	0.32	15.50	2.91	0.85	0.09
12.95	2.53	0.63	0.31	15.55	2.91	0.85	0.09

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.09	18.20	3.10	0.97	0.06
15.65	2.92	0.86	0.09	18.25	3.10	0.97	0.06
15.70	2.92	0.86	0.09	18.30	3.10	0.97	0.06
15.75	2.93	0.86	0.09	18.35	3.10	0.97	0.06
15.80	2.93	0.87	0.09	18.40	3.11	0.98	0.06
15.85	2.94	0.87	0.09	18.45	3.11	0.98	0.06
15.90	2.94	0.87	0.09	18.50	3.11	0.98	0.06
15.95	2.94	0.87	0.09	18.55	3.11	0.98	0.06
16.00	2.95	0.88	0.09	18.60	3.12	0.98	0.06
16.05	2.95	0.88	0.08	18.65	3.12	0.98	0.06
16.10	2.96	0.88	0.08	18.70	3.12	0.99	0.06
16.15	2.96	0.88	0.08	18.75	3.12	0.99	0.06
16.20	2.96	0.89	0.08	18.80	3.13	0.99	0.06
16.25	2.97	0.89	0.08	18.85	3.13	0.99	0.06
16.30	2.97	0.89	0.08	18.90	3.13	0.99	0.06
16.35	2.98	0.89	0.08	18.95	3.13	0.99	0.06
16.40	2.98	0.90	0.08	19.00	3.14	1.00	0.05
16.45	2.98	0.90	0.08	19.05	3.14	1.00	0.05
16.50	2.99	0.90	0.08	19.10	3.14	1.00	0.05
16.55	2.99	0.90	0.08	19.15	3.14	1.00	0.05
16.60	3.00	0.91	0.08	19.20	3.15	1.00	0.05
16.65	3.00	0.91	0.08	19.25	3.15	1.00	0.05
16.70	3.00	0.91	0.08	19.30	3.15	1.01	0.05
16.75	3.01	0.91	0.08	19.35	3.15	1.01	0.05
16.80	3.01	0.91	0.08	19.40	3.16	1.01	0.05
16.85	3.01	0.92	0.07	19.45	3.16	1.01	0.05
16.90	3.02	0.92	0.07	19.50	3.16	1.01	0.05
16.95	3.02	0.92	0.07	19.55	3.16	1.01	0.05
17.00	3.02	0.92	0.07	19.60	3.17	1.02	0.05
17.05	3.03	0.93	0.07	19.65	3.17	1.02	0.05
17.10	3.03	0.93	0.07	19.70	3.17	1.02	0.05
17.15	3.03	0.93	0.07	19.75	3.17	1.02	0.05
17.20	3.04	0.93	0.07	19.80	3.18	1.02	0.05
17.25	3.04	0.93	0.07	19.85	3.18	1.02	0.05
17.30	3.04	0.94	0.07	19.90	3.18	1.03	0.05
17.35	3.05	0.94	0.07	19.95	3.18	1.03	0.05
17.40	3.05	0.94	0.07	20.00	3.19	1.03	0.05
17.45	3.05	0.94	0.07	20.05	3.19	1.03	0.05
17.50	3.06	0.94	0.07	20.10	3.19	1.03	0.05
17.55	3.06	0.95	0.07	20.15	3.19	1.03	0.05
17.60	3.06	0.95	0.06	20.20	3.20	1.03	0.05
17.65	3.06	0.95	0.06	20.25	3.20	1.04	0.05
17.70	3.07	0.95	0.06	20.30	3.20	1.04	0.05
17.75	3.07	0.95	0.06	20.35	3.20	1.04	0.05
17.80	3.07	0.96	0.06	20.40	3.20	1.04	0.05
17.85	3.08	0.96	0.06	20.45	3.21	1.04	0.05
17.90	3.08	0.96	0.06	20.50	3.21	1.04	0.05
17.95	3.08	0.96	0.06	20.55	3.21	1.05	0.05
18.00	3.08	0.96	0.06	20.60	3.21	1.05	0.05
18.05	3.09	0.96	0.06	20.65	3.22	1.05	0.05
18.10	3.09	0.97	0.06	20.70	3.22	1.05	0.05
18.15	3.09	0.97	0.06	20.75	3.22	1.05	0.05

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.05	23.40	3.33	1.12	0.04
20.85	3.23	1.05	0.05	23.45	3.33	1.12	0.04
20.90	3.23	1.06	0.05	23.50	3.33	1.13	0.04
20.95	3.23	1.06	0.05	23.55	3.33	1.13	0.04
21.00	3.23	1.06	0.05	23.60	3.34	1.13	0.04
21.05	3.23	1.06	0.05	23.65	3.34	1.13	0.04
21.10	3.24	1.06	0.05	23.70	3.34	1.13	0.04
21.15	3.24	1.06	0.05	23.75	3.34	1.13	0.04
21.20	3.24	1.06	0.05	23.80	3.34	1.13	0.04
21.25	3.24	1.07	0.05	23.85	3.34	1.13	0.04
21.30	3.24	1.07	0.05	23.90	3.35	1.13	0.04
21.35	3.25	1.07	0.05	23.95	3.35	1.14	0.04
21.40	3.25	1.07	0.05	24.00	**3.35**	**1.14**	0.05
21.45	3.25	1.07	0.05	24.05	3.35	1.14	0.04
21.50	3.25	1.07	0.05	24.10	3.35	1.14	0.01
21.55	3.26	1.07	0.05	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.05	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.05	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.05	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.05	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.05	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.05	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.05	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.05	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.05	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.04	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.04	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.04	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.04	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.04	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.04	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.04	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.04	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.04	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.04	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.04	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.04	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.04	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.04	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.04	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

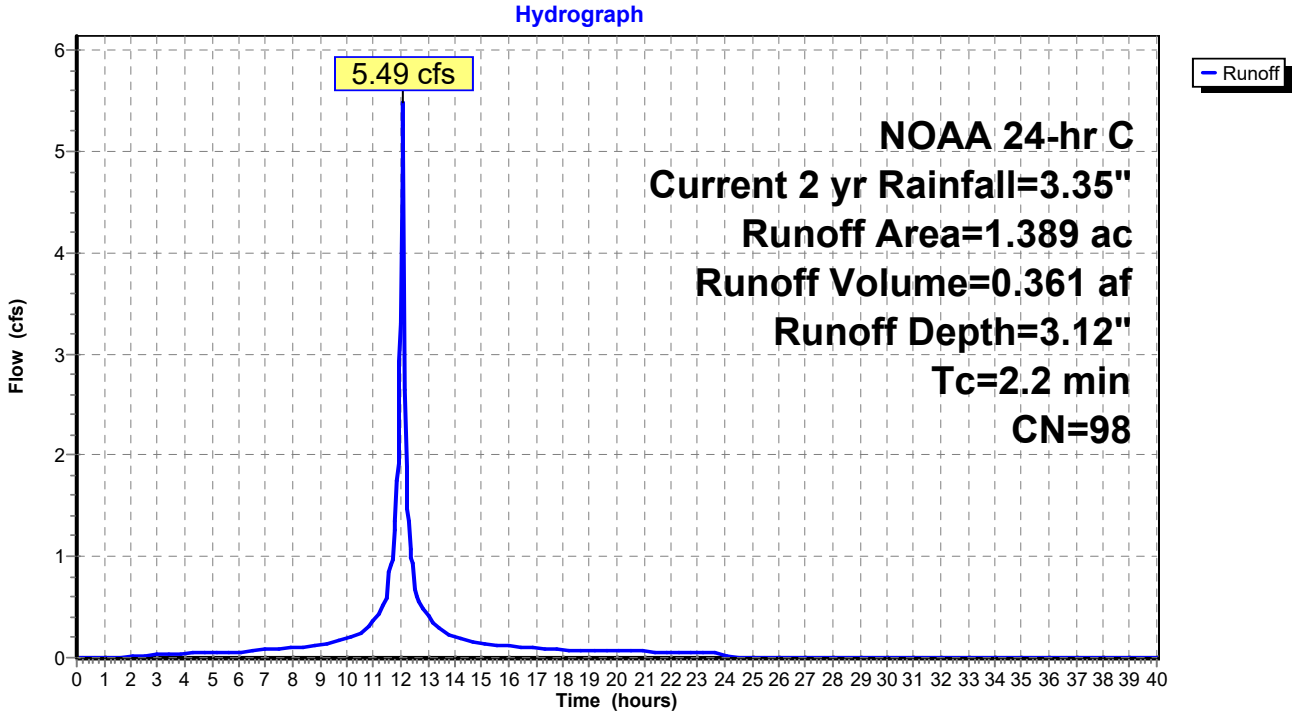
Runoff = 5.49 cfs @ 12.08 hrs, Volume= 0.361 af, Depth= 3.12"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.03
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.03
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.03
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.03
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.03
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.03
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.03
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.03
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.03
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.03
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.03
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.03
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.04
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.04
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.04
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.04
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.04
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.04
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.04
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.04
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.04
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.04
1.45	0.05	0.00	0.01	4.05	0.17	0.05	0.04
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.04
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.04
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.04
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.04
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.04
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.04
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.04
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.04
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.05
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.05
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.05
2.05	0.08	0.01	0.02	4.65	0.20	0.07	0.05
2.10	0.08	0.01	0.02	4.70	0.20	0.07	0.05
2.15	0.08	0.01	0.02	4.75	0.20	0.07	0.05
2.20	0.08	0.01	0.02	4.80	0.20	0.07	0.05
2.25	0.09	0.01	0.02	4.85	0.21	0.07	0.05
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.05
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.05
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.05
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.05
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.05
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.05

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.05	7.80	0.39	0.22	0.09
5.25	0.23	0.09	0.05	7.85	0.39	0.22	0.10
5.30	0.23	0.09	0.05	7.90	0.39	0.22	0.10
5.35	0.23	0.09	0.05	7.95	0.40	0.23	0.10
5.40	0.23	0.09	0.05	8.00	0.40	0.23	0.10
5.45	0.24	0.10	0.05	8.05	0.41	0.23	0.10
5.50	0.24	0.10	0.05	8.10	0.41	0.24	0.10
5.55	0.24	0.10	0.05	8.15	0.41	0.24	0.10
5.60	0.24	0.10	0.06	8.20	0.42	0.24	0.10
5.65	0.25	0.10	0.06	8.25	0.42	0.25	0.10
5.70	0.25	0.11	0.06	8.30	0.43	0.25	0.10
5.75	0.25	0.11	0.06	8.35	0.43	0.26	0.11
5.80	0.25	0.11	0.06	8.40	0.43	0.26	0.11
5.85	0.26	0.11	0.06	8.45	0.44	0.26	0.11
5.90	0.26	0.11	0.06	8.50	0.44	0.27	0.11
5.95	0.26	0.12	0.06	8.55	0.45	0.27	0.11
6.00	0.27	0.12	0.06	8.60	0.45	0.28	0.11
6.05	0.27	0.12	0.06	8.65	0.46	0.28	0.11
6.10	0.27	0.12	0.06	8.70	0.46	0.28	0.11
6.15	0.27	0.12	0.06	8.75	0.47	0.29	0.11
6.20	0.28	0.13	0.06	8.80	0.47	0.29	0.11
6.25	0.28	0.13	0.06	8.85	0.48	0.30	0.12
6.30	0.28	0.13	0.06	8.90	0.48	0.30	0.12
6.35	0.29	0.13	0.07	8.95	0.48	0.30	0.12
6.40	0.29	0.14	0.07	9.00	0.49	0.31	0.12
6.45	0.29	0.14	0.07	9.05	0.49	0.31	0.12
6.50	0.29	0.14	0.07	9.10	0.50	0.32	0.13
6.55	0.30	0.14	0.07	9.15	0.50	0.32	0.13
6.60	0.30	0.15	0.07	9.20	0.51	0.33	0.13
6.65	0.30	0.15	0.07	9.25	0.51	0.33	0.14
6.70	0.31	0.15	0.07	9.30	0.52	0.34	0.14
6.75	0.31	0.15	0.07	9.35	0.53	0.34	0.14
6.80	0.31	0.16	0.07	9.40	0.53	0.35	0.15
6.85	0.32	0.16	0.08	9.45	0.54	0.35	0.15
6.90	0.32	0.16	0.08	9.50	0.54	0.36	0.15
6.95	0.32	0.16	0.08	9.55	0.55	0.36	0.16
7.00	0.33	0.17	0.08	9.60	0.56	0.37	0.16
7.05	0.33	0.17	0.08	9.65	0.56	0.38	0.16
7.10	0.33	0.17	0.08	9.70	0.57	0.38	0.17
7.15	0.34	0.18	0.08	9.75	0.58	0.39	0.17
7.20	0.34	0.18	0.08	9.80	0.58	0.39	0.17
7.25	0.34	0.18	0.08	9.85	0.59	0.40	0.18
7.30	0.35	0.18	0.08	9.90	0.60	0.41	0.18
7.35	0.35	0.19	0.09	9.95	0.60	0.41	0.19
7.40	0.35	0.19	0.09	10.00	0.61	0.42	0.19
7.45	0.36	0.19	0.09	10.05	0.62	0.43	0.19
7.50	0.36	0.20	0.09	10.10	0.63	0.43	0.19
7.55	0.37	0.20	0.09	10.15	0.63	0.44	0.20
7.60	0.37	0.20	0.09	10.20	0.64	0.45	0.20
7.65	0.37	0.21	0.09	10.25	0.65	0.46	0.21
7.70	0.38	0.21	0.09	10.30	0.66	0.46	0.21
7.75	0.38	0.21	0.09	10.35	0.67	0.47	0.21

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.22	13.00	2.55	2.32	0.42
10.45	0.68	0.49	0.22	13.05	2.56	2.33	0.38
10.50	0.69	0.49	0.22	13.10	2.57	2.34	0.37
10.55	0.70	0.50	0.24	13.15	2.58	2.36	0.35
10.60	0.71	0.51	0.25	13.20	2.60	2.37	0.34
10.65	0.72	0.52	0.27	13.25	2.61	2.38	0.32
10.70	0.73	0.53	0.28	13.30	2.62	2.39	0.32
10.75	0.74	0.54	0.30	13.35	2.63	2.40	0.30
10.80	0.75	0.55	0.30	13.40	2.64	2.41	0.29
10.85	0.77	0.57	0.32	13.45	2.65	2.42	0.27
10.90	0.78	0.58	0.33	13.50	2.66	2.43	0.26
10.95	0.79	0.59	0.35	13.55	2.67	2.44	0.24
11.00	0.80	0.60	0.36	13.60	2.68	2.45	0.24
11.05	0.82	0.62	0.39	13.65	2.68	2.45	0.23
11.10	0.83	0.63	0.41	13.70	2.69	2.46	0.23
11.15	0.85	0.65	0.44	13.75	2.70	2.47	0.22
11.20	0.87	0.66	0.46	13.80	2.71	2.48	0.22
11.25	0.89	0.68	0.49	13.85	2.72	2.49	0.22
11.30	0.91	0.70	0.51	13.90	2.72	2.49	0.21
11.35	0.93	0.72	0.54	13.95	2.73	2.50	0.21
11.40	0.95	0.74	0.56	14.00	2.74	2.51	0.21
11.45	0.97	0.76	0.58	14.05	2.75	2.52	0.20
11.50	0.99	0.78	0.61	14.10	2.75	2.52	0.20
11.55	1.02	0.81	0.85	14.15	2.76	2.53	0.20
11.60	1.06	0.85	0.92	14.20	2.77	2.54	0.19
11.65	1.09	0.88	0.96	14.25	2.77	2.54	0.19
11.70	1.13	0.92	0.99	14.30	2.78	2.55	0.19
11.75	1.18	0.96	1.26	14.35	2.79	2.56	0.18
11.80	1.23	1.01	1.36	14.40	2.79	2.56	0.18
11.85	1.29	1.08	1.75	14.45	2.80	2.57	0.17
11.90	1.36	1.14	1.92	14.50	2.81	2.58	0.17
11.95	1.48	1.26	2.93	14.55	2.81	2.58	0.17
12.00	1.60	1.38	3.31	14.60	2.82	2.59	0.17
12.05	1.79	1.57	4.94	14.65	2.82	2.59	0.16
12.10	1.99	1.76	**5.26**	14.70	2.83	2.60	0.16
12.15	2.06	1.83	2.64	14.75	2.84	2.60	0.15
12.20	2.12	1.90	1.89	14.80	2.84	2.61	0.15
12.25	2.17	1.95	1.47	14.85	2.85	2.61	0.15
12.30	2.22	1.99	1.35	14.90	2.85	2.62	0.14
12.35	2.26	2.03	1.07	14.95	2.86	2.62	0.14
12.40	2.29	2.06	0.99	15.00	2.86	2.63	0.14
12.45	2.33	2.10	0.95	15.05	2.87	2.63	0.13
12.50	2.36	2.13	0.93	15.10	2.87	2.64	0.13
12.55	2.38	2.15	0.68	15.15	2.87	2.64	0.13
12.60	2.40	2.18	0.61	15.20	2.88	2.65	0.13
12.65	2.42	2.20	0.58	15.25	2.88	2.65	0.13
12.70	2.44	2.22	0.57	15.30	2.89	2.66	0.13
12.75	2.46	2.23	0.53	15.35	2.89	2.66	0.13
12.80	2.48	2.25	0.52	15.40	2.90	2.67	0.13
12.85	2.50	2.27	0.48	15.45	2.90	2.67	0.12
12.90	2.52	2.29	0.47	15.50	2.91	2.68	0.12
12.95	2.53	2.30	0.43	15.55	2.91	2.68	0.12

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.12	18.20	3.10	2.86	0.07
15.65	2.92	2.69	0.12	18.25	3.10	2.87	0.07
15.70	2.92	2.69	0.12	18.30	3.10	2.87	0.07
15.75	2.93	2.70	0.12	18.35	3.10	2.87	0.07
15.80	2.93	2.70	0.12	18.40	3.11	2.87	0.07
15.85	2.94	2.70	0.12	18.45	3.11	2.88	0.07
15.90	2.94	2.71	0.12	18.50	3.11	2.88	0.07
15.95	2.94	2.71	0.11	18.55	3.11	2.88	0.07
16.00	2.95	2.72	0.11	18.60	3.12	2.88	0.07
16.05	2.95	2.72	0.11	18.65	3.12	2.89	0.07
16.10	2.96	2.73	0.11	18.70	3.12	2.89	0.07
16.15	2.96	2.73	0.11	18.75	3.12	2.89	0.07
16.20	2.96	2.73	0.11	18.80	3.13	2.89	0.07
16.25	2.97	2.74	0.11	18.85	3.13	2.90	0.07
16.30	2.97	2.74	0.11	18.90	3.13	2.90	0.07
16.35	2.98	2.74	0.11	18.95	3.13	2.90	0.07
16.40	2.98	2.75	0.11	19.00	3.14	2.90	0.07
16.45	2.98	2.75	0.11	19.05	3.14	2.91	0.07
16.50	2.99	2.76	0.10	19.10	3.14	2.91	0.07
16.55	2.99	2.76	0.10	19.15	3.14	2.91	0.07
16.60	3.00	2.76	0.10	19.20	3.15	2.91	0.07
16.65	3.00	2.77	0.10	19.25	3.15	2.92	0.07
16.70	3.00	2.77	0.10	19.30	3.15	2.92	0.07
16.75	3.01	2.77	0.10	19.35	3.15	2.92	0.07
16.80	3.01	2.78	0.10	19.40	3.16	2.92	0.07
16.85	3.01	2.78	0.10	19.45	3.16	2.93	0.07
16.90	3.02	2.78	0.10	19.50	3.16	2.93	0.07
16.95	3.02	2.79	0.10	19.55	3.16	2.93	0.07
17.00	3.02	2.79	0.10	19.60	3.17	2.93	0.07
17.05	3.03	2.79	0.09	19.65	3.17	2.94	0.07
17.10	3.03	2.80	0.09	19.70	3.17	2.94	0.07
17.15	3.03	2.80	0.09	19.75	3.17	2.94	0.07
17.20	3.04	2.80	0.09	19.80	3.18	2.94	0.07
17.25	3.04	2.81	0.09	19.85	3.18	2.95	0.07
17.30	3.04	2.81	0.09	19.90	3.18	2.95	0.07
17.35	3.05	2.81	0.09	19.95	3.18	2.95	0.07
17.40	3.05	2.82	0.09	20.00	3.19	2.95	0.07
17.45	3.05	2.82	0.09	20.05	3.19	2.96	0.07
17.50	3.06	2.82	0.09	20.10	3.19	2.96	0.07
17.55	3.06	2.83	0.08	20.15	3.19	2.96	0.07
17.60	3.06	2.83	0.08	20.20	3.20	2.96	0.07
17.65	3.06	2.83	0.08	20.25	3.20	2.97	0.07
17.70	3.07	2.84	0.08	20.30	3.20	2.97	0.06
17.75	3.07	2.84	0.08	20.35	3.20	2.97	0.06
17.80	3.07	2.84	0.08	20.40	3.20	2.97	0.06
17.85	3.08	2.84	0.08	20.45	3.21	2.97	0.06
17.90	3.08	2.85	0.08	20.50	3.21	2.98	0.06
17.95	3.08	2.85	0.08	20.55	3.21	2.98	0.06
18.00	3.08	2.85	0.08	20.60	3.21	2.98	0.06
18.05	3.09	2.86	0.08	20.65	3.22	2.98	0.06
18.10	3.09	2.86	0.08	20.70	3.22	2.99	0.06
18.15	3.09	2.86	0.07	20.75	3.22	2.99	0.06

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.06	23.40	3.33	3.10	0.05
20.85	3.23	2.99	0.06	23.45	3.33	3.10	0.05
20.90	3.23	2.99	0.06	23.50	3.33	3.10	0.05
20.95	3.23	3.00	0.06	23.55	3.33	3.10	0.05
21.00	3.23	3.00	0.06	23.60	3.34	3.10	0.05
21.05	3.23	3.00	0.06	23.65	3.34	3.10	0.05
21.10	3.24	3.00	0.06	23.70	3.34	3.11	0.05
21.15	3.24	3.01	0.06	23.75	3.34	3.11	0.05
21.20	3.24	3.01	0.06	23.80	3.34	3.11	0.05
21.25	3.24	3.01	0.06	23.85	3.34	3.11	0.05
21.30	3.24	3.01	0.06	23.90	3.35	3.11	0.05
21.35	3.25	3.01	0.06	23.95	3.35	3.11	0.06
21.40	3.25	3.02	0.06	24.00	**3.35**	**3.12**	0.06
21.45	3.25	3.02	0.06	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.06	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.06	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.06	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.06	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.06	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.06	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.06	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.06	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.06	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.06	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.06	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.06	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.06	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.06	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.06	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.06	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.06	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.06	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.06	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.05	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.05	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.05	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.05	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.05	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.05	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.05	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.05	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.05	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.05	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.05	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.05	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.05	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.05	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.05	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.05	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.05	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.05	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.05	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

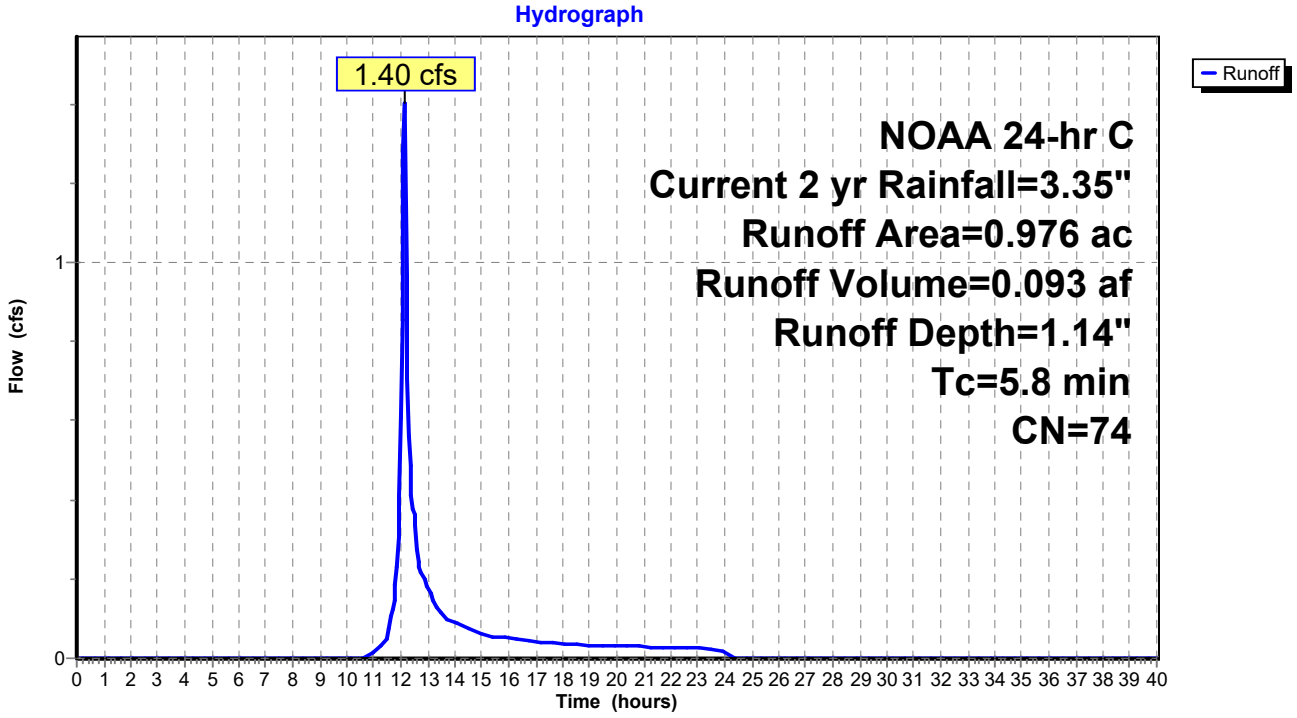
Runoff = 1.40 cfs @ 12.13 hrs, Volume= 0.093 af, Depth= 1.14"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.18
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.17
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.16
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.15
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.14
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.14
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.13
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.13
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.12
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.12
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.11
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.11
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.10
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.10
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.09
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.09
11.35	0.93	0.01	0.04	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.05	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.07	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.09	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.11	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.12	14.30	2.78	0.77	0.08
11.75	1.18	0.06	0.14	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.18	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.23	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.30	14.50	2.81	0.79	0.08
11.95	1.48	0.14	0.41	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.61	14.60	2.82	0.80	0.07
12.05	1.79	0.26	0.85	14.65	2.82	0.80	0.07
12.10	1.99	0.34	1.28	14.70	2.83	0.80	0.07
12.15	2.06	0.38	**1.38**	14.75	2.84	0.81	0.07
12.20	2.12	0.41	0.96	14.80	2.84	0.81	0.07
12.25	2.17	0.43	0.71	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.56	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.49	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.41	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.38	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.36	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.34	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.28	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.24	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.23	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.22	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.21	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.20	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.19	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.19	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.02
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.01
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 16AI: PDA-16A (impervious)

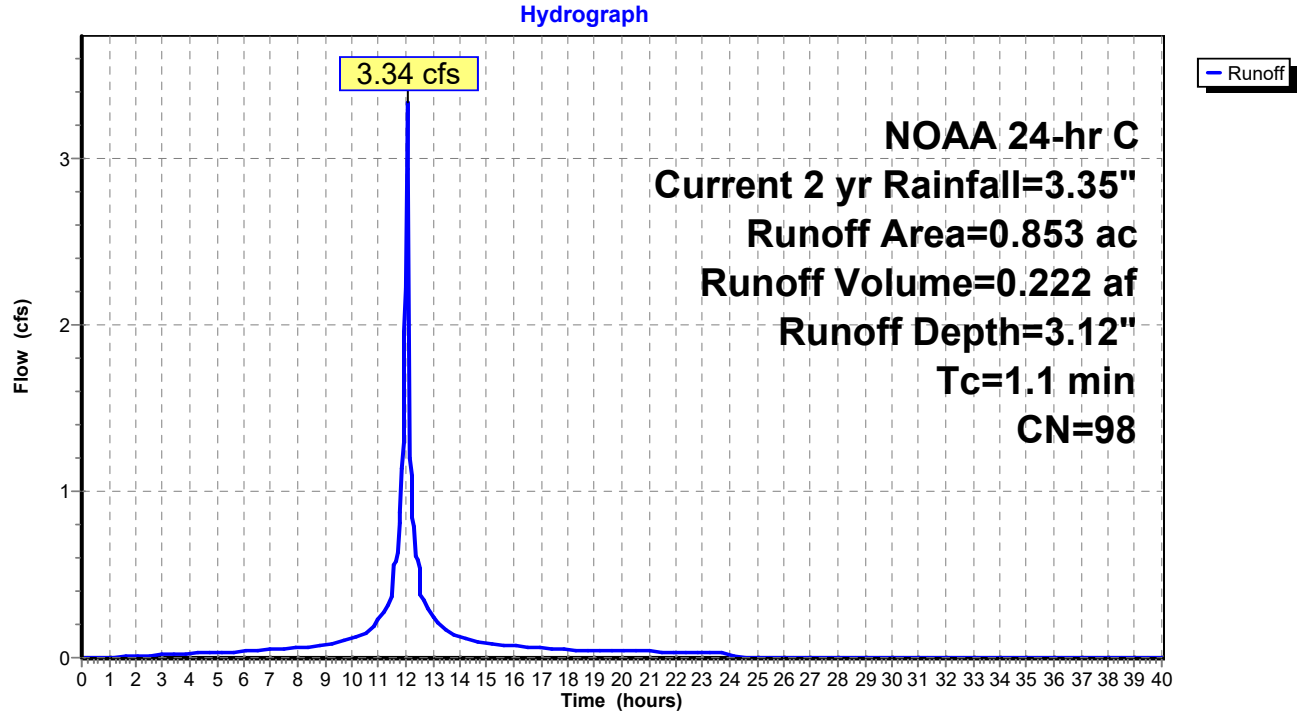
Runoff = 3.34 cfs @ 12.06 hrs, Volume= 0.222 af, Depth= 3.12"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 16AI: PDA-16A (impervious)



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.03
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.06
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.06
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.06
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.06
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.06
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.06
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.06
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.06
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.06
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.07
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.07
5.90	0.26	0.11	0.04	8.50	0.44	0.27	0.07
5.95	0.26	0.12	0.04	8.55	0.45	0.27	0.07
6.00	0.27	0.12	0.04	8.60	0.45	0.28	0.07
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.07
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.07
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.07
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.07
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.07
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.07
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.07
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.07
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.08
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.08
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.08
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.08
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.09
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.09
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.09
6.80	0.31	0.16	0.05	9.40	0.53	0.35	0.09
6.85	0.32	0.16	0.05	9.45	0.54	0.35	0.09
6.90	0.32	0.16	0.05	9.50	0.54	0.36	0.09
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.10
7.00	0.33	0.17	0.05	9.60	0.56	0.37	0.10
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.10
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.10
7.15	0.34	0.18	0.05	9.75	0.58	0.39	0.11
7.20	0.34	0.18	0.05	9.80	0.58	0.39	0.11
7.25	0.34	0.18	0.05	9.85	0.59	0.40	0.11
7.30	0.35	0.18	0.05	9.90	0.60	0.41	0.11
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.11
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.12
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.12
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.12
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.12
7.60	0.37	0.20	0.06	10.20	0.64	0.45	0.12
7.65	0.37	0.21	0.06	10.25	0.65	0.46	0.13
7.70	0.38	0.21	0.06	10.30	0.66	0.46	0.13
7.75	0.38	0.21	0.06	10.35	0.67	0.47	0.13

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.13	13.00	2.55	2.32	0.25
10.45	0.68	0.49	0.14	13.05	2.56	2.33	0.23
10.50	0.69	0.49	0.14	13.10	2.57	2.34	0.22
10.55	0.70	0.50	0.15	13.15	2.58	2.36	0.21
10.60	0.71	0.51	0.16	13.20	2.60	2.37	0.21
10.65	0.72	0.52	0.17	13.25	2.61	2.38	0.19
10.70	0.73	0.53	0.17	13.30	2.62	2.39	0.19
10.75	0.74	0.54	0.19	13.35	2.63	2.40	0.18
10.80	0.75	0.55	0.19	13.40	2.64	2.41	0.17
10.85	0.77	0.57	0.20	13.45	2.65	2.42	0.16
10.90	0.78	0.58	0.20	13.50	2.66	2.43	0.16
10.95	0.79	0.59	0.22	13.55	2.67	2.44	0.15
11.00	0.80	0.60	0.22	13.60	2.68	2.45	0.14
11.05	0.82	0.62	0.25	13.65	2.68	2.45	0.14
11.10	0.83	0.63	0.25	13.70	2.69	2.46	0.14
11.15	0.85	0.65	0.28	13.75	2.70	2.47	0.14
11.20	0.87	0.66	0.28	13.80	2.71	2.48	0.14
11.25	0.89	0.68	0.31	13.85	2.72	2.49	0.13
11.30	0.91	0.70	0.31	13.90	2.72	2.49	0.13
11.35	0.93	0.72	0.34	13.95	2.73	2.50	0.13
11.40	0.95	0.74	0.34	14.00	2.74	2.51	0.13
11.45	0.97	0.76	0.36	14.05	2.75	2.52	0.12
11.50	0.99	0.78	0.40	14.10	2.75	2.52	0.12
11.55	1.02	0.81	0.56	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.57	14.20	2.77	2.54	0.12
11.65	1.09	0.88	0.60	14.25	2.77	2.54	0.11
11.70	1.13	0.92	0.64	14.30	2.78	2.55	0.11
11.75	1.18	0.96	0.82	14.35	2.79	2.56	0.11
11.80	1.23	1.01	0.88	14.40	2.79	2.56	0.11
11.85	1.29	1.08	1.14	14.45	2.80	2.57	0.11
11.90	1.36	1.14	1.30	14.50	2.81	2.58	0.11
11.95	1.48	1.26	1.96	14.55	2.81	2.58	0.10
12.00	1.60	1.38	2.23	14.60	2.82	2.59	0.10
12.05	1.79	1.57	**3.30**	14.65	2.82	2.59	0.10
12.10	1.99	1.76	2.94	14.70	2.83	2.60	0.10
12.15	2.06	1.83	1.20	14.75	2.84	2.60	0.09
12.20	2.12	1.90	1.10	14.80	2.84	2.61	0.09
12.25	2.17	1.95	0.84	14.85	2.85	2.61	0.09
12.30	2.22	1.99	0.79	14.90	2.85	2.62	0.09
12.35	2.26	2.03	0.61	14.95	2.86	2.62	0.08
12.40	2.29	2.06	0.60	15.00	2.86	2.63	0.08
12.45	2.33	2.10	0.58	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.54	15.10	2.87	2.64	0.08
12.55	2.38	2.15	0.38	15.15	2.87	2.64	0.08
12.60	2.40	2.18	0.37	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.35	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.34	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.32	15.35	2.89	2.66	0.08
12.80	2.48	2.25	0.31	15.40	2.90	2.67	0.08
12.85	2.50	2.27	0.29	15.45	2.90	2.67	0.08
12.90	2.52	2.29	0.28	15.50	2.91	2.68	0.08
12.95	2.53	2.30	0.26	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.05
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.05
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.05
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.05
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.05
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.05
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.05
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.07	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.07	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.07	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.07	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.07	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.07	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.06	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.06	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.06	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.06	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.05	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.05	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.04
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.04	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.04	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.04	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.04	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.04	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.04	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.04	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.04	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

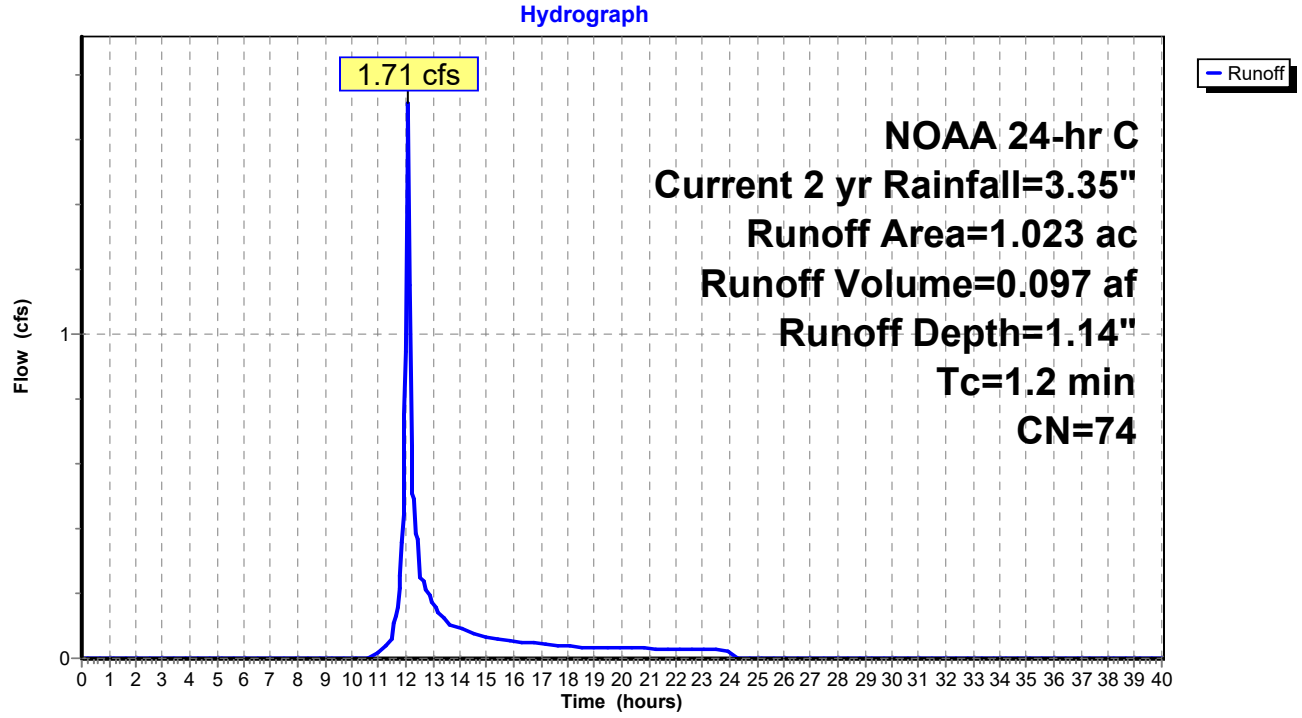
Runoff = 1.71 cfs @ 12.08 hrs, Volume= 0.097 af, Depth= 1.14"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.17
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.16
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.16
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.15
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.14
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.14
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.13
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.13
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.12
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.11
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.11
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.10
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.10
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.10
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.10
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.09
11.35	0.93	0.01	0.05	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.06	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.07	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.11	14.15	2.76	0.76	0.09
11.60	1.06	0.03	0.12	14.20	2.77	0.76	0.09
11.65	1.09	0.04	0.14	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.16	14.30	2.78	0.77	0.08
11.75	1.18	0.06	0.22	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.25	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.36	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.44	14.50	2.81	0.79	0.08
11.95	1.48	0.14	0.75	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.95	14.60	2.82	0.80	0.07
12.05	1.79	0.26	1.59	14.65	2.82	0.80	0.07
12.10	1.99	0.34	**1.61**	14.70	2.83	0.80	0.07
12.15	2.06	0.38	0.70	14.75	2.84	0.81	0.07
12.20	2.12	0.41	0.65	14.80	2.84	0.81	0.07
12.25	2.17	0.43	0.51	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.49	14.90	2.85	0.82	0.07
12.35	2.26	0.48	0.38	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.38	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.37	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.35	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.25	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.24	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.23	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.23	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.21	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.21	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.20	15.45	2.90	0.85	0.06
12.90	2.52	0.62	0.19	15.50	2.91	0.85	0.06
12.95	2.53	0.63	0.18	15.55	2.91	0.85	0.06

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.06	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.06	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

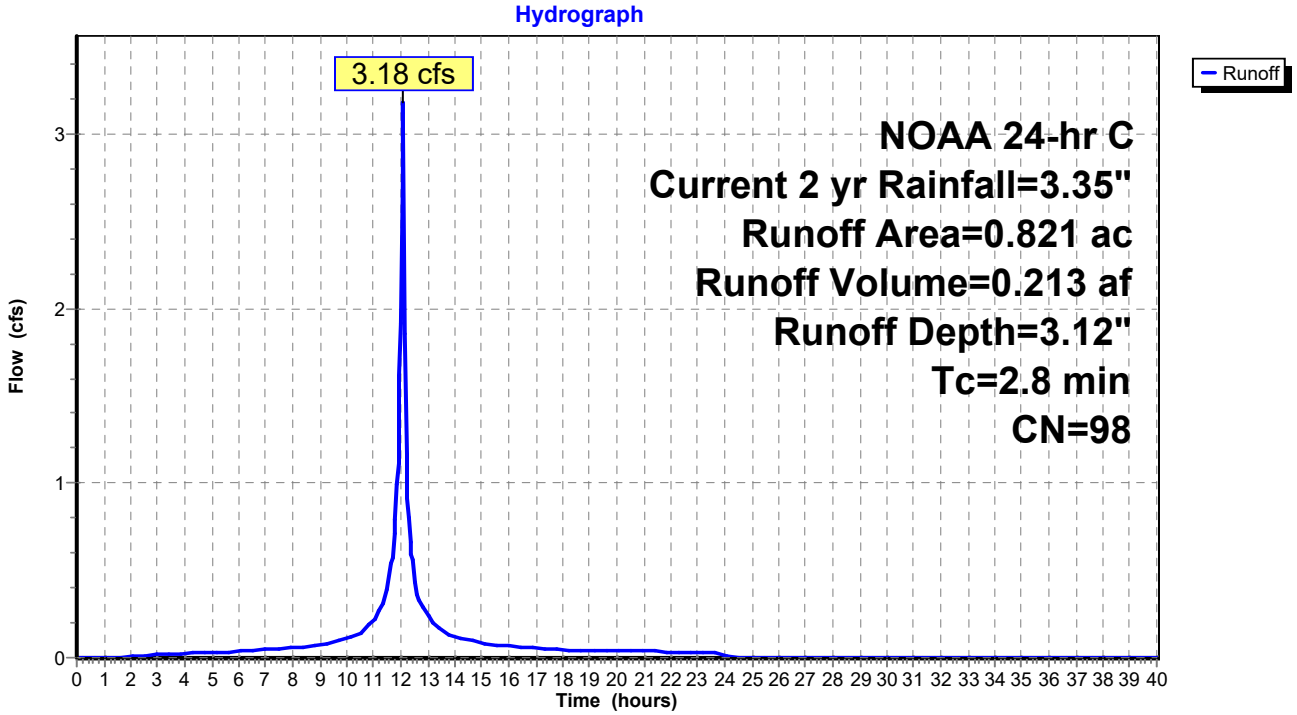
Runoff = 3.18 cfs @ 12.09 hrs, Volume= 0.213 af, Depth= 3.12"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.03
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.03
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.03
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.03
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.03
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.03
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.03
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.03
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.03
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.06
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.06
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.06
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.06
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.06
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.06
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.06
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.06
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.06
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.06
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.06
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.06
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.06
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.06
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.07
6.05	0.27	0.12	0.04	8.65	0.46	0.28	0.07
6.10	0.27	0.12	0.04	8.70	0.46	0.28	0.07
6.15	0.27	0.12	0.04	8.75	0.47	0.29	0.07
6.20	0.28	0.13	0.04	8.80	0.47	0.29	0.07
6.25	0.28	0.13	0.04	8.85	0.48	0.30	0.07
6.30	0.28	0.13	0.04	8.90	0.48	0.30	0.07
6.35	0.29	0.13	0.04	8.95	0.48	0.30	0.07
6.40	0.29	0.14	0.04	9.00	0.49	0.31	0.07
6.45	0.29	0.14	0.04	9.05	0.49	0.31	0.07
6.50	0.29	0.14	0.04	9.10	0.50	0.32	0.07
6.55	0.30	0.14	0.04	9.15	0.50	0.32	0.08
6.60	0.30	0.15	0.04	9.20	0.51	0.33	0.08
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.08
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.08
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.08
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.09
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.09
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.09
6.95	0.32	0.16	0.05	9.55	0.55	0.36	0.09
7.00	0.33	0.17	0.05	9.60	0.56	0.37	0.09
7.05	0.33	0.17	0.05	9.65	0.56	0.38	0.10
7.10	0.33	0.17	0.05	9.70	0.57	0.38	0.10
7.15	0.34	0.18	0.05	9.75	0.58	0.39	0.10
7.20	0.34	0.18	0.05	9.80	0.58	0.39	0.10
7.25	0.34	0.18	0.05	9.85	0.59	0.40	0.11
7.30	0.35	0.18	0.05	9.90	0.60	0.41	0.11
7.35	0.35	0.19	0.05	9.95	0.60	0.41	0.11
7.40	0.35	0.19	0.05	10.00	0.61	0.42	0.11
7.45	0.36	0.19	0.05	10.05	0.62	0.43	0.11
7.50	0.36	0.20	0.05	10.10	0.63	0.43	0.11
7.55	0.37	0.20	0.05	10.15	0.63	0.44	0.12
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.12
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.12
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.12
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.13

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.13	13.00	2.55	2.32	0.25
10.45	0.68	0.49	0.13	13.05	2.56	2.33	0.23
10.50	0.69	0.49	0.13	13.10	2.57	2.34	0.22
10.55	0.70	0.50	0.14	13.15	2.58	2.36	0.21
10.60	0.71	0.51	0.15	13.20	2.60	2.37	0.20
10.65	0.72	0.52	0.16	13.25	2.61	2.38	0.19
10.70	0.73	0.53	0.16	13.30	2.62	2.39	0.19
10.75	0.74	0.54	0.17	13.35	2.63	2.40	0.18
10.80	0.75	0.55	0.18	13.40	2.64	2.41	0.17
10.85	0.77	0.57	0.19	13.45	2.65	2.42	0.16
10.90	0.78	0.58	0.19	13.50	2.66	2.43	0.16
10.95	0.79	0.59	0.20	13.55	2.67	2.44	0.15
11.00	0.80	0.60	0.21	13.60	2.68	2.45	0.14
11.05	0.82	0.62	0.23	13.65	2.68	2.45	0.14
11.10	0.83	0.63	0.24	13.70	2.69	2.46	0.14
11.15	0.85	0.65	0.26	13.75	2.70	2.47	0.13
11.20	0.87	0.66	0.27	13.80	2.71	2.48	0.13
11.25	0.89	0.68	0.29	13.85	2.72	2.49	0.13
11.30	0.91	0.70	0.30	13.90	2.72	2.49	0.13
11.35	0.93	0.72	0.32	13.95	2.73	2.50	0.12
11.40	0.95	0.74	0.33	14.00	2.74	2.51	0.12
11.45	0.97	0.76	0.34	14.05	2.75	2.52	0.12
11.50	0.99	0.78	0.35	14.10	2.75	2.52	0.12
11.55	1.02	0.81	0.47	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.54	14.20	2.77	2.54	0.11
11.65	1.09	0.88	0.56	14.25	2.77	2.54	0.11
11.70	1.13	0.92	0.58	14.30	2.78	2.55	0.11
11.75	1.18	0.96	0.71	14.35	2.79	2.56	0.11
11.80	1.23	1.01	0.79	14.40	2.79	2.56	0.11
11.85	1.29	1.08	0.99	14.45	2.80	2.57	0.10
11.90	1.36	1.14	1.11	14.50	2.81	2.58	0.10
11.95	1.48	1.26	1.62	14.55	2.81	2.58	0.10
12.00	1.60	1.38	1.91	14.60	2.82	2.59	0.10
12.05	1.79	1.57	2.74	14.65	2.82	2.59	0.10
12.10	1.99	1.76	**3.12**	14.70	2.83	2.60	0.09
12.15	2.06	1.83	1.86	14.75	2.84	2.60	0.09
12.20	2.12	1.90	1.16	14.80	2.84	2.61	0.09
12.25	2.17	1.95	0.92	14.85	2.85	2.61	0.09
12.30	2.22	1.99	0.81	14.90	2.85	2.62	0.09
12.35	2.26	2.03	0.66	14.95	2.86	2.62	0.08
12.40	2.29	2.06	0.59	15.00	2.86	2.63	0.08
12.45	2.33	2.10	0.57	15.05	2.87	2.63	0.08
12.50	2.36	2.13	0.55	15.10	2.87	2.64	0.08
12.55	2.38	2.15	0.43	15.15	2.87	2.64	0.08
12.60	2.40	2.18	0.36	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.35	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.34	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.32	15.35	2.89	2.66	0.07
12.80	2.48	2.25	0.31	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.29	15.45	2.90	2.67	0.07
12.90	2.52	2.29	0.28	15.50	2.91	2.68	0.07
12.95	2.53	2.30	0.26	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.07	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.07	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.06	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.04	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.04	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.04	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.04	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.04	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.04	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.04	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.04	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.04	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.04	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.04	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.04	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.04	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

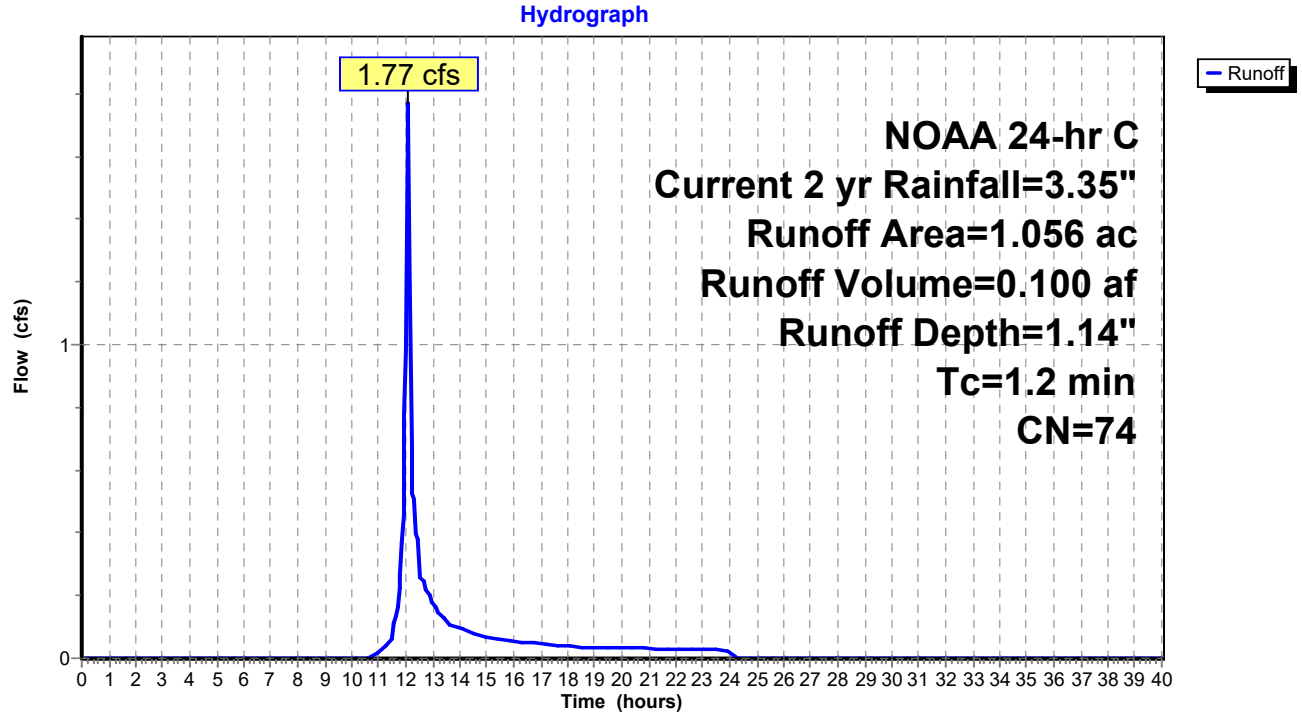
Runoff = 1.77 cfs @ 12.08 hrs, Volume= 0.100 af, Depth= 1.14"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.18
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.16
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.16
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.15
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.15
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.14
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.14
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.13
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.13
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.12
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.12
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.11
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.11
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.10
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.10
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.10
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.10
11.35	0.93	0.01	0.05	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.06	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.07	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.11	14.15	2.76	0.76	0.09
11.60	1.06	0.03	0.12	14.20	2.77	0.76	0.09
11.65	1.09	0.04	0.14	14.25	2.77	0.77	0.09
11.70	1.13	0.05	0.16	14.30	2.78	0.77	0.09
11.75	1.18	0.06	0.22	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.26	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.37	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.46	14.50	2.81	0.79	0.08
11.95	1.48	0.14	0.78	14.55	2.81	0.79	0.08
12.00	1.60	0.18	0.98	14.60	2.82	0.80	0.08
12.05	1.79	0.26	1.64	14.65	2.82	0.80	0.07
12.10	1.99	0.34	**1.66**	14.70	2.83	0.80	0.07
12.15	2.06	0.38	0.72	14.75	2.84	0.81	0.07
12.20	2.12	0.41	0.67	14.80	2.84	0.81	0.07
12.25	2.17	0.43	0.53	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.51	14.90	2.85	0.82	0.07
12.35	2.26	0.48	0.40	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.39	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.38	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.36	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.26	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.25	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.24	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.24	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.22	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.22	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.20	15.45	2.90	0.85	0.06
12.90	2.52	0.62	0.20	15.50	2.91	0.85	0.06
12.95	2.53	0.63	0.18	15.55	2.91	0.85	0.06

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.06	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.06	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.06	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.06	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.06	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 17AI: PDA-17A (impervious)

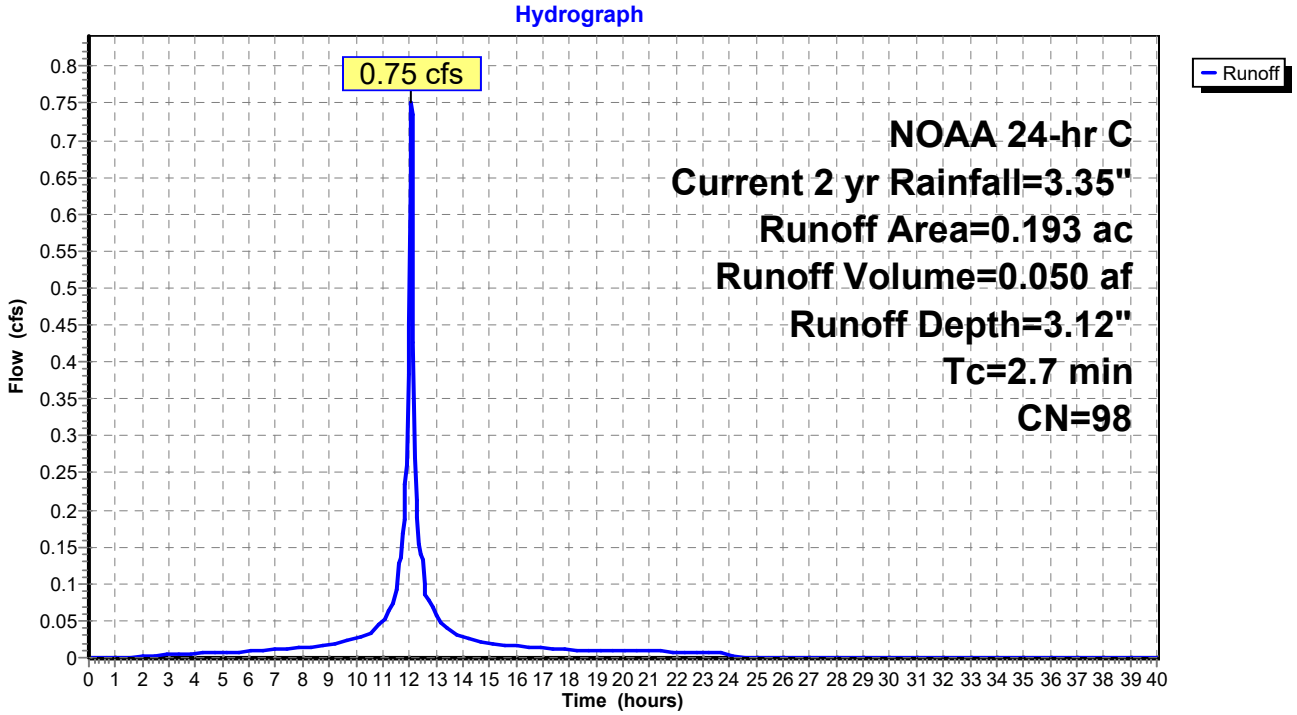
Runoff = 0.75 cfs @ 12.09 hrs, Volume= 0.050 af, Depth= 3.12"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AI: PDA-17A (impervious)



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.01
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.01
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.01
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.01
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.01
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.01
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.01
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.01
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.01
1.95	0.07	0.00	0.00	4.55	0.19	0.06	0.01
2.00	0.08	0.01	0.00	4.60	0.19	0.07	0.01
2.05	0.08	0.01	0.00	4.65	0.20	0.07	0.01
2.10	0.08	0.01	0.00	4.70	0.20	0.07	0.01
2.15	0.08	0.01	0.00	4.75	0.20	0.07	0.01
2.20	0.08	0.01	0.00	4.80	0.20	0.07	0.01
2.25	0.09	0.01	0.00	4.85	0.21	0.07	0.01
2.30	0.09	0.01	0.00	4.90	0.21	0.08	0.01
2.35	0.09	0.01	0.00	4.95	0.21	0.08	0.01
2.40	0.09	0.01	0.00	5.00	0.21	0.08	0.01
2.45	0.09	0.01	0.00	5.05	0.22	0.08	0.01
2.50	0.10	0.01	0.00	5.10	0.22	0.08	0.01
2.55	0.10	0.01	0.00	5.15	0.22	0.08	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.01	7.80	0.39	0.22	0.01
5.25	0.23	0.09	0.01	7.85	0.39	0.22	0.01
5.30	0.23	0.09	0.01	7.90	0.39	0.22	0.01
5.35	0.23	0.09	0.01	7.95	0.40	0.23	0.01
5.40	0.23	0.09	0.01	8.00	0.40	0.23	0.01
5.45	0.24	0.10	0.01	8.05	0.41	0.23	0.01
5.50	0.24	0.10	0.01	8.10	0.41	0.24	0.01
5.55	0.24	0.10	0.01	8.15	0.41	0.24	0.01
5.60	0.24	0.10	0.01	8.20	0.42	0.24	0.01
5.65	0.25	0.10	0.01	8.25	0.42	0.25	0.01
5.70	0.25	0.11	0.01	8.30	0.43	0.25	0.01
5.75	0.25	0.11	0.01	8.35	0.43	0.26	0.01
5.80	0.25	0.11	0.01	8.40	0.43	0.26	0.01
5.85	0.26	0.11	0.01	8.45	0.44	0.26	0.01
5.90	0.26	0.11	0.01	8.50	0.44	0.27	0.02
5.95	0.26	0.12	0.01	8.55	0.45	0.27	0.02
6.00	0.27	0.12	0.01	8.60	0.45	0.28	0.02
6.05	0.27	0.12	0.01	8.65	0.46	0.28	0.02
6.10	0.27	0.12	0.01	8.70	0.46	0.28	0.02
6.15	0.27	0.12	0.01	8.75	0.47	0.29	0.02
6.20	0.28	0.13	0.01	8.80	0.47	0.29	0.02
6.25	0.28	0.13	0.01	8.85	0.48	0.30	0.02
6.30	0.28	0.13	0.01	8.90	0.48	0.30	0.02
6.35	0.29	0.13	0.01	8.95	0.48	0.30	0.02
6.40	0.29	0.14	0.01	9.00	0.49	0.31	0.02
6.45	0.29	0.14	0.01	9.05	0.49	0.31	0.02
6.50	0.29	0.14	0.01	9.10	0.50	0.32	0.02
6.55	0.30	0.14	0.01	9.15	0.50	0.32	0.02
6.60	0.30	0.15	0.01	9.20	0.51	0.33	0.02
6.65	0.30	0.15	0.01	9.25	0.51	0.33	0.02
6.70	0.31	0.15	0.01	9.30	0.52	0.34	0.02
6.75	0.31	0.15	0.01	9.35	0.53	0.34	0.02
6.80	0.31	0.16	0.01	9.40	0.53	0.35	0.02
6.85	0.32	0.16	0.01	9.45	0.54	0.35	0.02
6.90	0.32	0.16	0.01	9.50	0.54	0.36	0.02
6.95	0.32	0.16	0.01	9.55	0.55	0.36	0.02
7.00	0.33	0.17	0.01	9.60	0.56	0.37	0.02
7.05	0.33	0.17	0.01	9.65	0.56	0.38	0.02
7.10	0.33	0.17	0.01	9.70	0.57	0.38	0.02
7.15	0.34	0.18	0.01	9.75	0.58	0.39	0.02
7.20	0.34	0.18	0.01	9.80	0.58	0.39	0.02
7.25	0.34	0.18	0.01	9.85	0.59	0.40	0.02
7.30	0.35	0.18	0.01	9.90	0.60	0.41	0.03
7.35	0.35	0.19	0.01	9.95	0.60	0.41	0.03
7.40	0.35	0.19	0.01	10.00	0.61	0.42	0.03
7.45	0.36	0.19	0.01	10.05	0.62	0.43	0.03
7.50	0.36	0.20	0.01	10.10	0.63	0.43	0.03
7.55	0.37	0.20	0.01	10.15	0.63	0.44	0.03
7.60	0.37	0.20	0.01	10.20	0.64	0.45	0.03
7.65	0.37	0.21	0.01	10.25	0.65	0.46	0.03
7.70	0.38	0.21	0.01	10.30	0.66	0.46	0.03
7.75	0.38	0.21	0.01	10.35	0.67	0.47	0.03

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.03	13.00	2.55	2.32	0.06
10.45	0.68	0.49	0.03	13.05	2.56	2.33	0.05
10.50	0.69	0.49	0.03	13.10	2.57	2.34	0.05
10.55	0.70	0.50	0.03	13.15	2.58	2.36	0.05
10.60	0.71	0.51	0.03	13.20	2.60	2.37	0.05
10.65	0.72	0.52	0.04	13.25	2.61	2.38	0.05
10.70	0.73	0.53	0.04	13.30	2.62	2.39	0.04
10.75	0.74	0.54	0.04	13.35	2.63	2.40	0.04
10.80	0.75	0.55	0.04	13.40	2.64	2.41	0.04
10.85	0.77	0.57	0.04	13.45	2.65	2.42	0.04
10.90	0.78	0.58	0.05	13.50	2.66	2.43	0.04
10.95	0.79	0.59	0.05	13.55	2.67	2.44	0.03
11.00	0.80	0.60	0.05	13.60	2.68	2.45	0.03
11.05	0.82	0.62	0.05	13.65	2.68	2.45	0.03
11.10	0.83	0.63	0.06	13.70	2.69	2.46	0.03
11.15	0.85	0.65	0.06	13.75	2.70	2.47	0.03
11.20	0.87	0.66	0.06	13.80	2.71	2.48	0.03
11.25	0.89	0.68	0.07	13.85	2.72	2.49	0.03
11.30	0.91	0.70	0.07	13.90	2.72	2.49	0.03
11.35	0.93	0.72	0.07	13.95	2.73	2.50	0.03
11.40	0.95	0.74	0.08	14.00	2.74	2.51	0.03
11.45	0.97	0.76	0.08	14.05	2.75	2.52	0.03
11.50	0.99	0.78	0.08	14.10	2.75	2.52	0.03
11.55	1.02	0.81	0.11	14.15	2.76	2.53	0.03
11.60	1.06	0.85	0.13	14.20	2.77	2.54	0.03
11.65	1.09	0.88	0.13	14.25	2.77	2.54	0.03
11.70	1.13	0.92	0.14	14.30	2.78	2.55	0.03
11.75	1.18	0.96	0.17	14.35	2.79	2.56	0.03
11.80	1.23	1.01	0.19	14.40	2.79	2.56	0.02
11.85	1.29	1.08	0.23	14.45	2.80	2.57	0.02
11.90	1.36	1.14	0.26	14.50	2.81	2.58	0.02
11.95	1.48	1.26	0.38	14.55	2.81	2.58	0.02
12.00	1.60	1.38	0.45	14.60	2.82	2.59	0.02
12.05	1.79	1.57	0.65	14.65	2.82	2.59	0.02
12.10	1.99	1.76	**0.73**	14.70	2.83	2.60	0.02
12.15	2.06	1.83	0.43	14.75	2.84	2.60	0.02
12.20	2.12	1.90	0.27	14.80	2.84	2.61	0.02
12.25	2.17	1.95	0.21	14.85	2.85	2.61	0.02
12.30	2.22	1.99	0.19	14.90	2.85	2.62	0.02
12.35	2.26	2.03	0.15	14.95	2.86	2.62	0.02
12.40	2.29	2.06	0.14	15.00	2.86	2.63	0.02
12.45	2.33	2.10	0.13	15.05	2.87	2.63	0.02
12.50	2.36	2.13	0.13	15.10	2.87	2.64	0.02
12.55	2.38	2.15	0.10	15.15	2.87	2.64	0.02
12.60	2.40	2.18	0.09	15.20	2.88	2.65	0.02
12.65	2.42	2.20	0.08	15.25	2.88	2.65	0.02
12.70	2.44	2.22	0.08	15.30	2.89	2.66	0.02
12.75	2.46	2.23	0.07	15.35	2.89	2.66	0.02
12.80	2.48	2.25	0.07	15.40	2.90	2.67	0.02
12.85	2.50	2.27	0.07	15.45	2.90	2.67	0.02
12.90	2.52	2.29	0.07	15.50	2.91	2.68	0.02
12.95	2.53	2.30	0.06	15.55	2.91	2.68	0.02

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.02	18.20	3.10	2.86	0.01
15.65	2.92	2.69	0.02	18.25	3.10	2.87	0.01
15.70	2.92	2.69	0.02	18.30	3.10	2.87	0.01
15.75	2.93	2.70	0.02	18.35	3.10	2.87	0.01
15.80	2.93	2.70	0.02	18.40	3.11	2.87	0.01
15.85	2.94	2.70	0.02	18.45	3.11	2.88	0.01
15.90	2.94	2.71	0.02	18.50	3.11	2.88	0.01
15.95	2.94	2.71	0.02	18.55	3.11	2.88	0.01
16.00	2.95	2.72	0.02	18.60	3.12	2.88	0.01
16.05	2.95	2.72	0.02	18.65	3.12	2.89	0.01
16.10	2.96	2.73	0.02	18.70	3.12	2.89	0.01
16.15	2.96	2.73	0.02	18.75	3.12	2.89	0.01
16.20	2.96	2.73	0.02	18.80	3.13	2.89	0.01
16.25	2.97	2.74	0.02	18.85	3.13	2.90	0.01
16.30	2.97	2.74	0.02	18.90	3.13	2.90	0.01
16.35	2.98	2.74	0.01	18.95	3.13	2.90	0.01
16.40	2.98	2.75	0.01	19.00	3.14	2.90	0.01
16.45	2.98	2.75	0.01	19.05	3.14	2.91	0.01
16.50	2.99	2.76	0.01	19.10	3.14	2.91	0.01
16.55	2.99	2.76	0.01	19.15	3.14	2.91	0.01
16.60	3.00	2.76	0.01	19.20	3.15	2.91	0.01
16.65	3.00	2.77	0.01	19.25	3.15	2.92	0.01
16.70	3.00	2.77	0.01	19.30	3.15	2.92	0.01
16.75	3.01	2.77	0.01	19.35	3.15	2.92	0.01
16.80	3.01	2.78	0.01	19.40	3.16	2.92	0.01
16.85	3.01	2.78	0.01	19.45	3.16	2.93	0.01
16.90	3.02	2.78	0.01	19.50	3.16	2.93	0.01
16.95	3.02	2.79	0.01	19.55	3.16	2.93	0.01
17.00	3.02	2.79	0.01	19.60	3.17	2.93	0.01
17.05	3.03	2.79	0.01	19.65	3.17	2.94	0.01
17.10	3.03	2.80	0.01	19.70	3.17	2.94	0.01
17.15	3.03	2.80	0.01	19.75	3.17	2.94	0.01
17.20	3.04	2.80	0.01	19.80	3.18	2.94	0.01
17.25	3.04	2.81	0.01	19.85	3.18	2.95	0.01
17.30	3.04	2.81	0.01	19.90	3.18	2.95	0.01
17.35	3.05	2.81	0.01	19.95	3.18	2.95	0.01
17.40	3.05	2.82	0.01	20.00	3.19	2.95	0.01
17.45	3.05	2.82	0.01	20.05	3.19	2.96	0.01
17.50	3.06	2.82	0.01	20.10	3.19	2.96	0.01
17.55	3.06	2.83	0.01	20.15	3.19	2.96	0.01
17.60	3.06	2.83	0.01	20.20	3.20	2.96	0.01
17.65	3.06	2.83	0.01	20.25	3.20	2.97	0.01
17.70	3.07	2.84	0.01	20.30	3.20	2.97	0.01
17.75	3.07	2.84	0.01	20.35	3.20	2.97	0.01
17.80	3.07	2.84	0.01	20.40	3.20	2.97	0.01
17.85	3.08	2.84	0.01	20.45	3.21	2.97	0.01
17.90	3.08	2.85	0.01	20.50	3.21	2.98	0.01
17.95	3.08	2.85	0.01	20.55	3.21	2.98	0.01
18.00	3.08	2.85	0.01	20.60	3.21	2.98	0.01
18.05	3.09	2.86	0.01	20.65	3.22	2.98	0.01
18.10	3.09	2.86	0.01	20.70	3.22	2.99	0.01
18.15	3.09	2.86	0.01	20.75	3.22	2.99	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.01	23.40	3.33	3.10	0.01
20.85	3.23	2.99	0.01	23.45	3.33	3.10	0.01
20.90	3.23	2.99	0.01	23.50	3.33	3.10	0.01
20.95	3.23	3.00	0.01	23.55	3.33	3.10	0.01
21.00	3.23	3.00	0.01	23.60	3.34	3.10	0.01
21.05	3.23	3.00	0.01	23.65	3.34	3.10	0.01
21.10	3.24	3.00	0.01	23.70	3.34	3.11	0.01
21.15	3.24	3.01	0.01	23.75	3.34	3.11	0.01
21.20	3.24	3.01	0.01	23.80	3.34	3.11	0.01
21.25	3.24	3.01	0.01	23.85	3.34	3.11	0.01
21.30	3.24	3.01	0.01	23.90	3.35	3.11	0.01
21.35	3.25	3.01	0.01	23.95	3.35	3.11	0.01
21.40	3.25	3.02	0.01	24.00	**3.35**	**3.12**	0.01
21.45	3.25	3.02	0.01	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.01	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.01	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.01	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.01	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.01	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.01	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.01	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.01	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.01	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.01	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.01	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.01	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.01	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.01	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.01	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.01	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.01	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.01	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.01	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.01	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.01	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.01	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.01	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.01	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.01	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.01	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.01	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.01	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.01	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.01	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.01	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.01	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.01	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.01	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.01	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.01	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.01	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.01	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

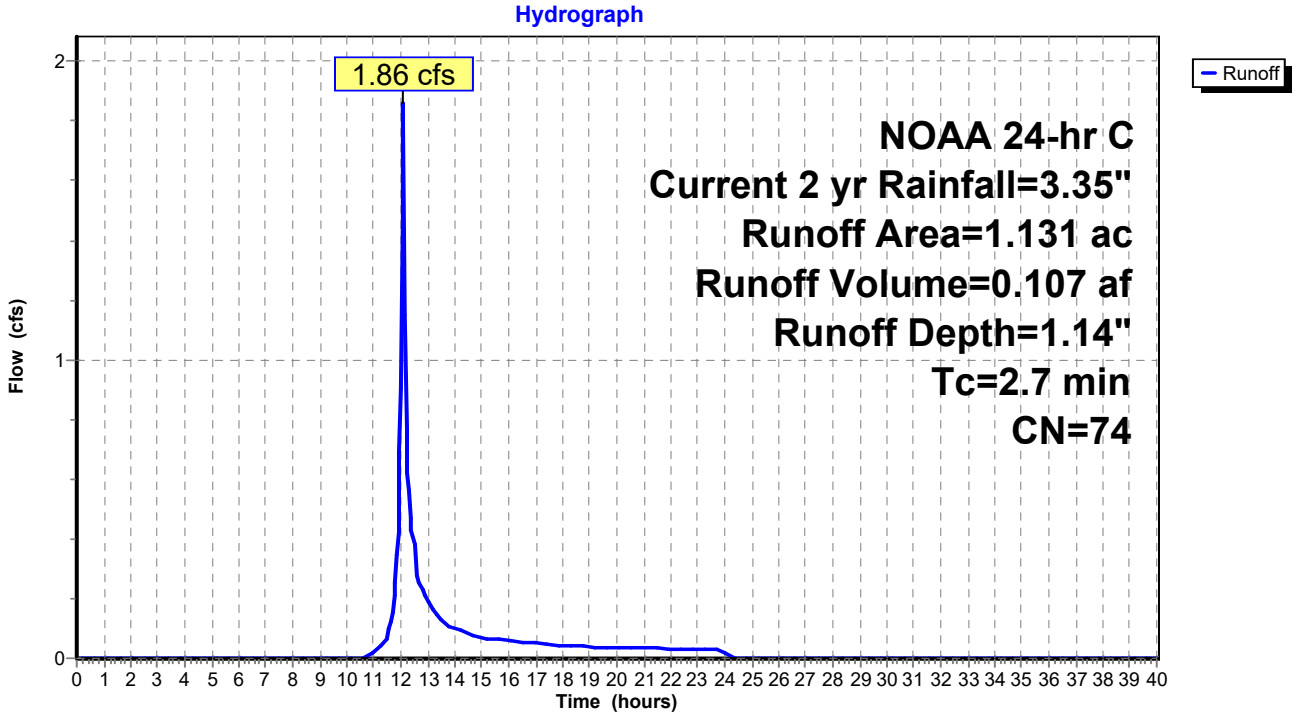
Runoff = 1.86 cfs @ 12.09 hrs, Volume= 0.107 af, Depth= 1.14"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.20
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.18
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.17
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.17
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.16
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.15
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.15
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.14
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.14
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.13
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.13
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.12
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.11
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.11
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.11
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.11
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.11
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.11
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.10
11.35	0.93	0.01	0.05	13.95	2.73	0.74	0.10
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.10
11.45	0.97	0.02	0.06	14.05	2.75	0.75	0.10
11.50	0.99	0.02	0.07	14.10	2.75	0.76	0.10
11.55	1.02	0.03	0.10	14.15	2.76	0.76	0.10
11.60	1.06	0.03	0.13	14.20	2.77	0.76	0.10
11.65	1.09	0.04	0.14	14.25	2.77	0.77	0.09
11.70	1.13	0.05	0.16	14.30	2.78	0.77	0.09
11.75	1.18	0.06	0.21	14.35	2.79	0.78	0.09
11.80	1.23	0.07	0.25	14.40	2.79	0.78	0.09
11.85	1.29	0.09	0.35	14.45	2.80	0.78	0.09
11.90	1.36	0.10	0.43	14.50	2.81	0.79	0.09
11.95	1.48	0.14	0.69	14.55	2.81	0.79	0.08
12.00	1.60	0.18	0.90	14.60	2.82	0.80	0.08
12.05	1.79	0.26	1.47	14.65	2.82	0.80	0.08
12.10	1.99	0.34	**1.85**	14.70	2.83	0.80	0.08
12.15	2.06	0.38	1.15	14.75	2.84	0.81	0.08
12.20	2.12	0.41	0.77	14.80	2.84	0.81	0.08
12.25	2.17	0.43	0.62	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.56	14.90	2.85	0.82	0.07
12.35	2.26	0.48	0.47	14.95	2.86	0.82	0.07
12.40	2.29	0.50	0.43	15.00	2.86	0.82	0.07
12.45	2.33	0.51	0.41	15.05	2.87	0.82	0.07
12.50	2.36	0.53	0.41	15.10	2.87	0.83	0.07
12.55	2.38	0.54	0.32	15.15	2.87	0.83	0.07
12.60	2.40	0.55	0.27	15.20	2.88	0.83	0.07
12.65	2.42	0.57	0.26	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.26	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.24	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.24	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.22	15.45	2.90	0.85	0.06
12.90	2.52	0.62	0.22	15.50	2.91	0.85	0.06
12.95	2.53	0.63	0.20	15.55	2.91	0.85	0.06

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.06	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.06	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.06	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.06	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.06	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.06	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.06	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.06	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.06	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.06	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.06	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.06	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.06	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.06	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.06	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.05	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.05	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.05	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.05	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

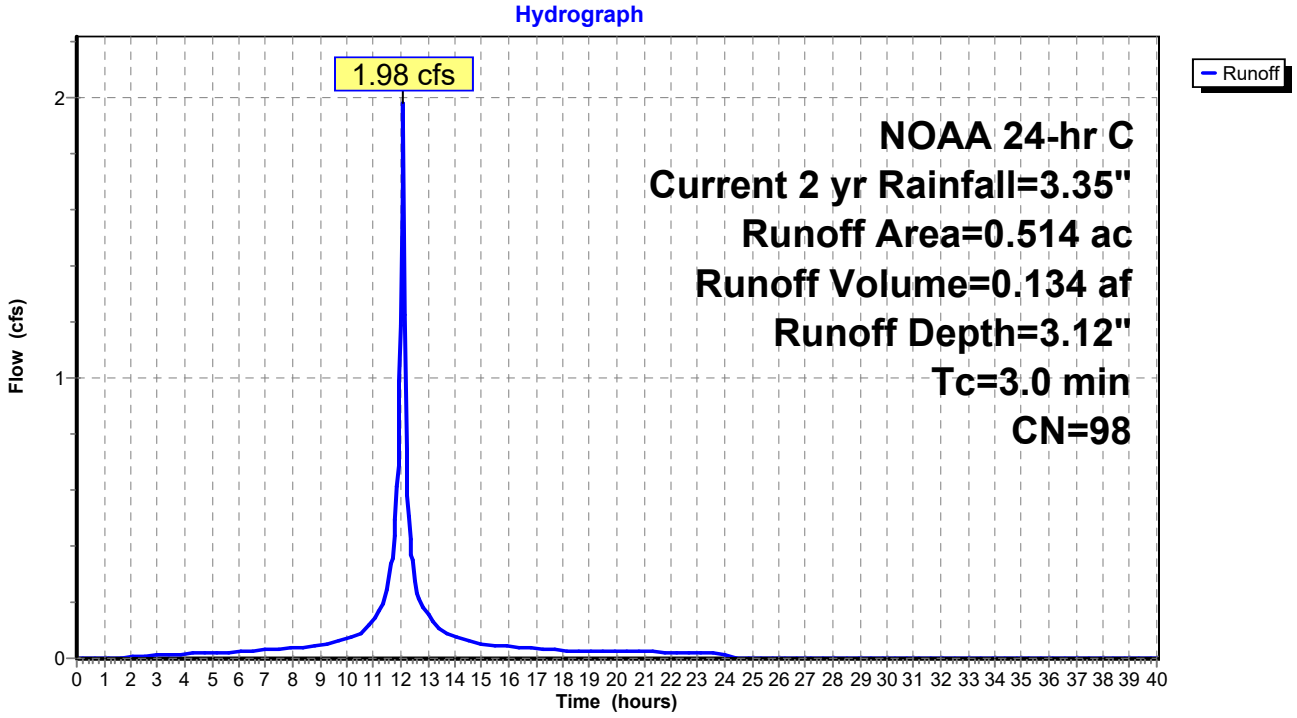
Runoff = 1.98 cfs @ 12.09 hrs, Volume= 0.134 af, Depth= 3.12"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.04
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.04
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.04
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.04
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.04
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.04
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.04
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.04
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.04
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.04
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.04
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.04
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.04
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.05
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.05
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.05
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.05
6.65	0.30	0.15	0.03	9.25	0.51	0.33	0.05
6.70	0.31	0.15	0.03	9.30	0.52	0.34	0.05
6.75	0.31	0.15	0.03	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.03	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.06
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.06
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.06
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.06
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.06
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.06
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.07
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.07
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.07
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.07
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.07
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.07
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.07
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.07
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.08
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.08
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.08

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.08	13.00	2.55	2.32	0.16
10.45	0.68	0.49	0.08	13.05	2.56	2.33	0.14
10.50	0.69	0.49	0.08	13.10	2.57	2.34	0.14
10.55	0.70	0.50	0.09	13.15	2.58	2.36	0.13
10.60	0.71	0.51	0.09	13.20	2.60	2.37	0.13
10.65	0.72	0.52	0.10	13.25	2.61	2.38	0.12
10.70	0.73	0.53	0.10	13.30	2.62	2.39	0.12
10.75	0.74	0.54	0.11	13.35	2.63	2.40	0.11
10.80	0.75	0.55	0.11	13.40	2.64	2.41	0.11
10.85	0.77	0.57	0.12	13.45	2.65	2.42	0.10
10.90	0.78	0.58	0.12	13.50	2.66	2.43	0.10
10.95	0.79	0.59	0.13	13.55	2.67	2.44	0.09
11.00	0.80	0.60	0.13	13.60	2.68	2.45	0.09
11.05	0.82	0.62	0.14	13.65	2.68	2.45	0.09
11.10	0.83	0.63	0.15	13.70	2.69	2.46	0.08
11.15	0.85	0.65	0.16	13.75	2.70	2.47	0.08
11.20	0.87	0.66	0.17	13.80	2.71	2.48	0.08
11.25	0.89	0.68	0.18	13.85	2.72	2.49	0.08
11.30	0.91	0.70	0.19	13.90	2.72	2.49	0.08
11.35	0.93	0.72	0.20	13.95	2.73	2.50	0.08
11.40	0.95	0.74	0.20	14.00	2.74	2.51	0.08
11.45	0.97	0.76	0.21	14.05	2.75	2.52	0.08
11.50	0.99	0.78	0.22	14.10	2.75	2.52	0.07
11.55	1.02	0.81	0.29	14.15	2.76	2.53	0.07
11.60	1.06	0.85	0.34	14.20	2.77	2.54	0.07
11.65	1.09	0.88	0.35	14.25	2.77	2.54	0.07
11.70	1.13	0.92	0.36	14.30	2.78	2.55	0.07
11.75	1.18	0.96	0.44	14.35	2.79	2.56	0.07
11.80	1.23	1.01	0.49	14.40	2.79	2.56	0.07
11.85	1.29	1.08	0.61	14.45	2.80	2.57	0.07
11.90	1.36	1.14	0.69	14.50	2.81	2.58	0.06
11.95	1.48	1.26	0.99	14.55	2.81	2.58	0.06
12.00	1.60	1.38	1.19	14.60	2.82	2.59	0.06
12.05	1.79	1.57	1.68	14.65	2.82	2.59	0.06
12.10	1.99	1.76	**1.96**	14.70	2.83	2.60	0.06
12.15	2.06	1.83	1.22	14.75	2.84	2.60	0.06
12.20	2.12	1.90	0.74	14.80	2.84	2.61	0.06
12.25	2.17	1.95	0.58	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.51	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.42	14.95	2.86	2.62	0.05
12.40	2.29	2.06	0.37	15.00	2.86	2.63	0.05
12.45	2.33	2.10	0.36	15.05	2.87	2.63	0.05
12.50	2.36	2.13	0.35	15.10	2.87	2.64	0.05
12.55	2.38	2.15	0.28	15.15	2.87	2.64	0.05
12.60	2.40	2.18	0.23	15.20	2.88	2.65	0.05
12.65	2.42	2.20	0.22	15.25	2.88	2.65	0.05
12.70	2.44	2.22	0.21	15.30	2.89	2.66	0.05
12.75	2.46	2.23	0.20	15.35	2.89	2.66	0.05
12.80	2.48	2.25	0.19	15.40	2.90	2.67	0.05
12.85	2.50	2.27	0.18	15.45	2.90	2.67	0.05
12.90	2.52	2.29	0.17	15.50	2.91	2.68	0.05
12.95	2.53	2.30	0.16	15.55	2.91	2.68	0.05

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.05	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.03
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.03
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.03
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.03
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.03
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.03
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.03
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.03
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.03
16.25	2.97	2.74	0.04	18.85	3.13	2.90	0.03
16.30	2.97	2.74	0.04	18.90	3.13	2.90	0.03
16.35	2.98	2.74	0.04	18.95	3.13	2.90	0.03
16.40	2.98	2.75	0.04	19.00	3.14	2.90	0.03
16.45	2.98	2.75	0.04	19.05	3.14	2.91	0.03
16.50	2.99	2.76	0.04	19.10	3.14	2.91	0.03
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.03
16.60	3.00	2.76	0.04	19.20	3.15	2.91	0.03
16.65	3.00	2.77	0.04	19.25	3.15	2.92	0.03
16.70	3.00	2.77	0.04	19.30	3.15	2.92	0.03
16.75	3.01	2.77	0.04	19.35	3.15	2.92	0.03
16.80	3.01	2.78	0.04	19.40	3.16	2.92	0.03
16.85	3.01	2.78	0.04	19.45	3.16	2.93	0.03
16.90	3.02	2.78	0.04	19.50	3.16	2.93	0.03
16.95	3.02	2.79	0.04	19.55	3.16	2.93	0.03
17.00	3.02	2.79	0.04	19.60	3.17	2.93	0.03
17.05	3.03	2.79	0.04	19.65	3.17	2.94	0.03
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.03
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.03
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.03
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

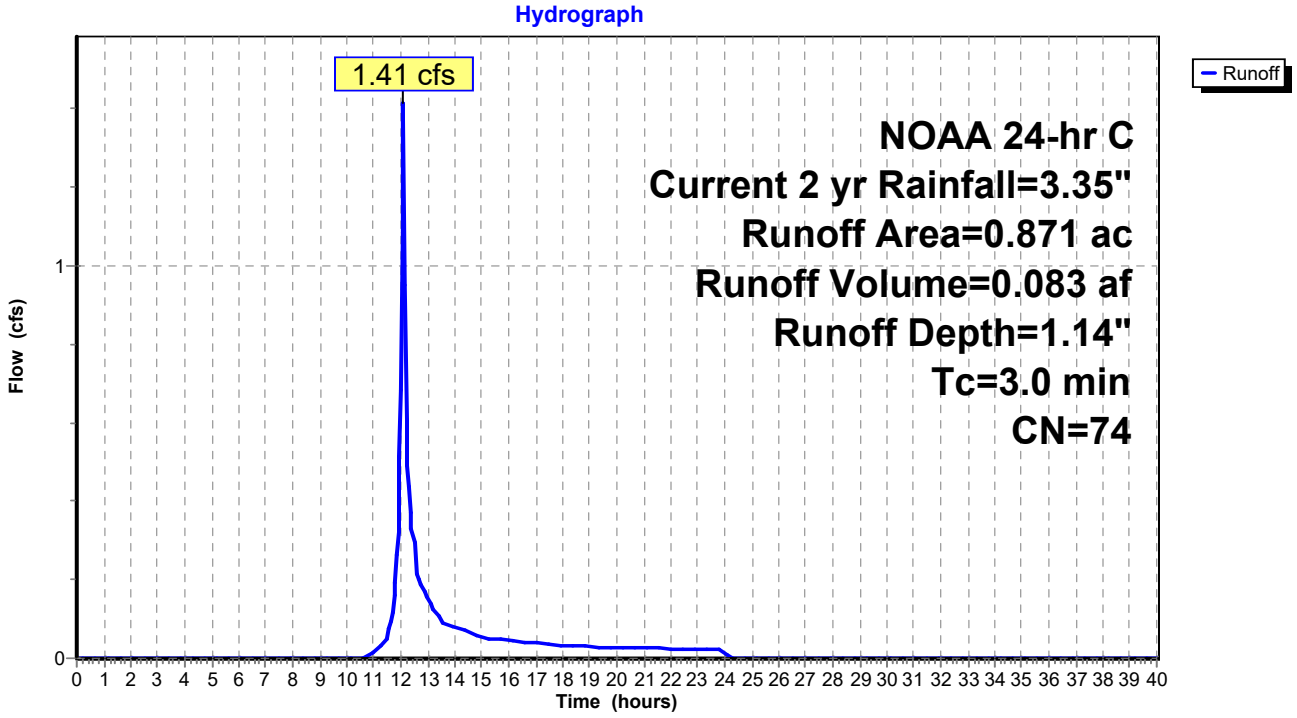
Runoff = 1.41 cfs @ 12.10 hrs, Volume= 0.083 af, Depth= 1.14"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.15
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.14
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.13
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.13
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.12
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.12
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.12
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.11
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.11
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.10
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.10
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.09
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.09
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.09
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.09
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.08
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.08
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.08
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.08
11.35	0.93	0.01	0.04	13.95	2.73	0.74	0.08
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.08
11.45	0.97	0.02	0.05	14.05	2.75	0.75	0.08
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.08
11.55	1.02	0.03	0.08	14.15	2.76	0.76	0.07
11.60	1.06	0.03	0.10	14.20	2.77	0.76	0.07
11.65	1.09	0.04	0.11	14.25	2.77	0.77	0.07
11.70	1.13	0.05	0.12	14.30	2.78	0.77	0.07
11.75	1.18	0.06	0.16	14.35	2.79	0.78	0.07
11.80	1.23	0.07	0.19	14.40	2.79	0.78	0.07
11.85	1.29	0.09	0.26	14.45	2.80	0.78	0.07
11.90	1.36	0.10	0.32	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.51	14.55	2.81	0.79	0.06
12.00	1.60	0.18	0.68	14.60	2.82	0.80	0.06
12.05	1.79	0.26	1.08	14.65	2.82	0.80	0.06
12.10	1.99	0.34	**1.41**	14.70	2.83	0.80	0.06
12.15	2.06	0.38	0.95	14.75	2.84	0.81	0.06
12.20	2.12	0.41	0.61	14.80	2.84	0.81	0.06
12.25	2.17	0.43	0.49	14.85	2.85	0.81	0.06
12.30	2.22	0.46	0.44	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.37	14.95	2.86	0.82	0.05
12.40	2.29	0.50	0.33	15.00	2.86	0.82	0.05
12.45	2.33	0.51	0.32	15.05	2.87	0.82	0.05
12.50	2.36	0.53	0.32	15.10	2.87	0.83	0.05
12.55	2.38	0.54	0.25	15.15	2.87	0.83	0.05
12.60	2.40	0.55	0.21	15.20	2.88	0.83	0.05
12.65	2.42	0.57	0.20	15.25	2.88	0.84	0.05
12.70	2.44	0.58	0.20	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.19	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.18	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.17	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.17	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.16	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.04	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.04	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.04	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.04	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.04	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.04	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.04	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.04	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.04	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

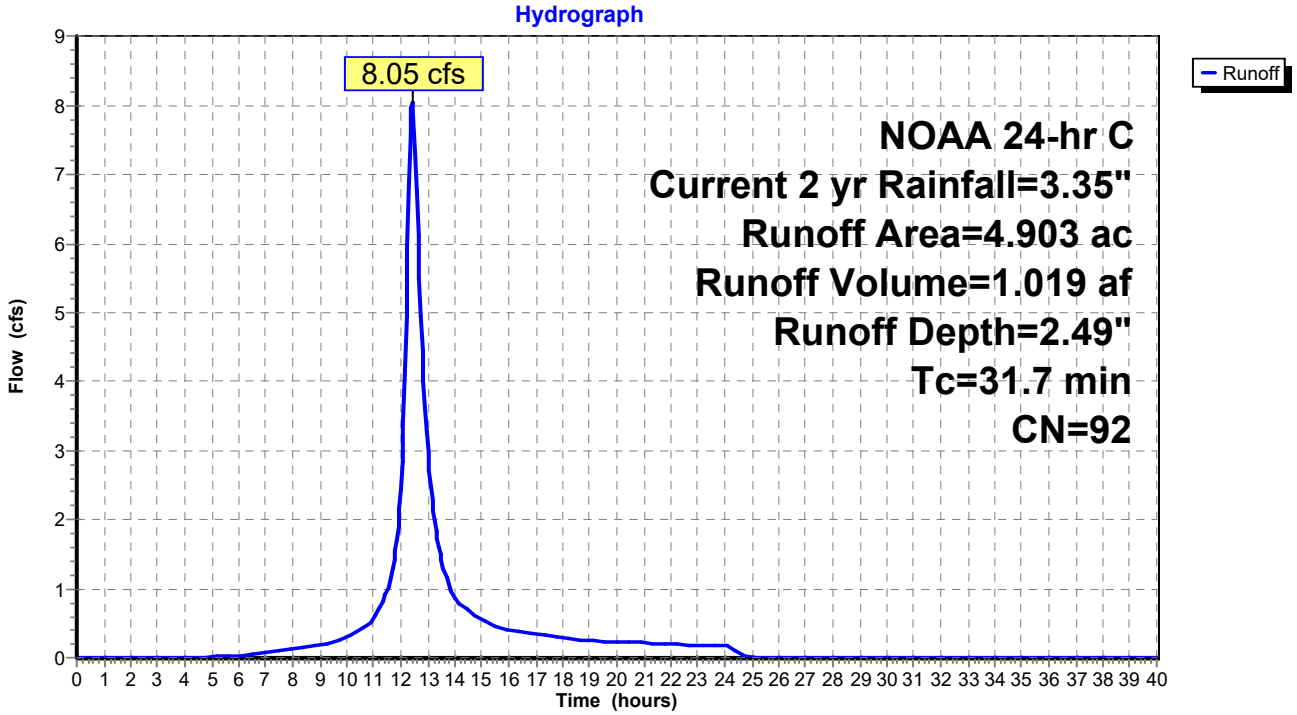
Runoff = 8.05 cfs @ 12.43 hrs, Volume= 1.019 af, Depth= 2.49"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.01
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.01
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.01
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.01
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.01
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.01
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.01

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.01	7.80	0.39	0.04	0.11
5.25	0.23	0.00	0.01	7.85	0.39	0.04	0.11
5.30	0.23	0.00	0.02	7.90	0.39	0.04	0.11
5.35	0.23	0.00	0.02	7.95	0.40	0.05	0.12
5.40	0.23	0.00	0.02	8.00	0.40	0.05	0.12
5.45	0.24	0.00	0.02	8.05	0.41	0.05	0.12
5.50	0.24	0.00	0.02	8.10	0.41	0.05	0.13
5.55	0.24	0.00	0.02	8.15	0.41	0.05	0.13
5.60	0.24	0.01	0.02	8.20	0.42	0.05	0.13
5.65	0.25	0.01	0.03	8.25	0.42	0.06	0.14
5.70	0.25	0.01	0.03	8.30	0.43	0.06	0.14
5.75	0.25	0.01	0.03	8.35	0.43	0.06	0.14
5.80	0.25	0.01	0.03	8.40	0.43	0.06	0.14
5.85	0.26	0.01	0.03	8.45	0.44	0.06	0.15
5.90	0.26	0.01	0.03	8.50	0.44	0.06	0.15
5.95	0.26	0.01	0.03	8.55	0.45	0.07	0.15
6.00	0.27	0.01	0.04	8.60	0.45	0.07	0.16
6.05	0.27	0.01	0.04	8.65	0.46	0.07	0.16
6.10	0.27	0.01	0.04	8.70	0.46	0.07	0.16
6.15	0.27	0.01	0.04	8.75	0.47	0.07	0.17
6.20	0.28	0.01	0.04	8.80	0.47	0.08	0.17
6.25	0.28	0.01	0.04	8.85	0.48	0.08	0.17
6.30	0.28	0.01	0.04	8.90	0.48	0.08	0.18
6.35	0.29	0.01	0.05	8.95	0.48	0.08	0.18
6.40	0.29	0.01	0.05	9.00	0.49	0.08	0.18
6.45	0.29	0.01	0.05	9.05	0.49	0.09	0.19
6.50	0.29	0.01	0.05	9.10	0.50	0.09	0.19
6.55	0.30	0.02	0.05	9.15	0.50	0.09	0.19
6.60	0.30	0.02	0.05	9.20	0.51	0.09	0.20
6.65	0.30	0.02	0.06	9.25	0.51	0.10	0.20
6.70	0.31	0.02	0.06	9.30	0.52	0.10	0.20
6.75	0.31	0.02	0.06	9.35	0.53	0.10	0.21
6.80	0.31	0.02	0.06	9.40	0.53	0.10	0.22
6.85	0.32	0.02	0.06	9.45	0.54	0.11	0.22
6.90	0.32	0.02	0.07	9.50	0.54	0.11	0.23
6.95	0.32	0.02	0.07	9.55	0.55	0.11	0.23
7.00	0.33	0.02	0.07	9.60	0.56	0.12	0.24
7.05	0.33	0.02	0.07	9.65	0.56	0.12	0.25
7.10	0.33	0.02	0.07	9.70	0.57	0.12	0.26
7.15	0.34	0.03	0.08	9.75	0.58	0.13	0.27
7.20	0.34	0.03	0.08	9.80	0.58	0.13	0.27
7.25	0.34	0.03	0.08	9.85	0.59	0.13	0.28
7.30	0.35	0.03	0.08	9.90	0.60	0.14	0.29
7.35	0.35	0.03	0.09	9.95	0.60	0.14	0.30
7.40	0.35	0.03	0.09	10.00	0.61	0.15	0.31
7.45	0.36	0.03	0.09	10.05	0.62	0.15	0.32
7.50	0.36	0.03	0.09	10.10	0.63	0.15	0.33
7.55	0.37	0.03	0.10	10.15	0.63	0.16	0.34
7.60	0.37	0.04	0.10	10.20	0.64	0.16	0.35
7.65	0.37	0.04	0.10	10.25	0.65	0.17	0.36
7.70	0.38	0.04	0.10	10.30	0.66	0.17	0.37
7.75	0.38	0.04	0.11	10.35	0.67	0.18	0.38

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.18	0.39	13.00	2.55	1.74	2.97
10.45	0.68	0.19	0.40	13.05	2.56	1.75	2.71
10.50	0.69	0.19	0.41	13.10	2.57	1.76	2.48
10.55	0.70	0.20	0.42	13.15	2.58	1.77	2.29
10.60	0.71	0.20	0.43	13.20	2.60	1.78	2.12
10.65	0.72	0.21	0.44	13.25	2.61	1.79	1.97
10.70	0.73	0.22	0.45	13.30	2.62	1.80	1.83
10.75	0.74	0.22	0.47	13.35	2.63	1.81	1.71
10.80	0.75	0.23	0.48	13.40	2.64	1.82	1.61
10.85	0.77	0.24	0.50	13.45	2.65	1.83	1.51
10.90	0.78	0.25	0.52	13.50	2.66	1.84	1.42
10.95	0.79	0.26	0.55	13.55	2.67	1.85	1.34
11.00	0.80	0.26	0.58	13.60	2.68	1.86	1.27
11.05	0.82	0.27	0.60	13.65	2.68	1.86	1.20
11.10	0.83	0.28	0.63	13.70	2.69	1.87	1.14
11.15	0.85	0.30	0.67	13.75	2.70	1.88	1.08
11.20	0.87	0.31	0.70	13.80	2.71	1.89	1.03
11.25	0.89	0.32	0.74	13.85	2.72	1.89	0.98
11.30	0.91	0.33	0.78	13.90	2.72	1.90	0.94
11.35	0.93	0.35	0.83	13.95	2.73	1.91	0.90
11.40	0.95	0.36	0.88	14.00	2.74	1.92	0.87
11.45	0.97	0.38	0.94	14.05	2.75	1.92	0.84
11.50	0.99	0.40	0.99	14.10	2.75	1.93	0.82
11.55	1.02	0.42	1.06	14.15	2.76	1.94	0.79
11.60	1.06	0.45	1.12	14.20	2.77	1.94	0.77
11.65	1.09	0.47	1.20	14.25	2.77	1.95	0.76
11.70	1.13	0.50	1.30	14.30	2.78	1.95	0.74
11.75	1.18	0.54	1.41	14.35	2.79	1.96	0.72
11.80	1.23	0.58	1.55	14.40	2.79	1.97	0.71
11.85	1.29	0.63	1.71	14.45	2.80	1.97	0.70
11.90	1.36	0.69	1.91	14.50	2.81	1.98	0.68
11.95	1.48	0.78	2.15	14.55	2.81	1.98	0.67
12.00	1.60	0.88	2.45	14.60	2.82	1.99	0.66
12.05	1.79	1.05	2.84	14.65	2.82	2.00	0.64
12.10	1.99	1.23	3.37	14.70	2.83	2.00	0.63
12.15	2.06	1.29	4.08	14.75	2.84	2.01	0.62
12.20	2.12	1.35	4.96	14.80	2.84	2.01	0.61
12.25	2.17	1.39	5.93	14.85	2.85	2.02	0.60
12.30	2.22	1.44	6.87	14.90	2.85	2.02	0.59
12.35	2.26	1.47	7.59	14.95	2.86	2.03	0.57
12.40	2.29	1.50	7.98	15.00	2.86	2.03	0.56
12.45	2.33	1.53	**8.03**	15.05	2.87	2.03	0.55
12.50	2.36	1.56	7.80	15.10	2.87	2.04	0.54
12.55	2.38	1.58	7.35	15.15	2.87	2.04	0.53
12.60	2.40	1.60	6.77	15.20	2.88	2.05	0.52
12.65	2.42	1.62	6.13	15.25	2.88	2.05	0.50
12.70	2.44	1.64	5.50	15.30	2.89	2.06	0.49
12.75	2.46	1.66	4.95	15.35	2.89	2.06	0.48
12.80	2.48	1.68	4.45	15.40	2.90	2.06	0.47
12.85	2.50	1.69	4.01	15.45	2.90	2.07	0.46
12.90	2.52	1.71	3.62	15.50	2.91	2.07	0.46
12.95	2.53	1.72	3.27	15.55	2.91	2.08	0.45

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.08	0.44	18.20	3.10	2.25	0.27
15.65	2.92	2.09	0.44	18.25	3.10	2.25	0.27
15.70	2.92	2.09	0.43	18.30	3.10	2.26	0.27
15.75	2.93	2.09	0.43	18.35	3.10	2.26	0.27
15.80	2.93	2.10	0.43	18.40	3.11	2.26	0.26
15.85	2.94	2.10	0.42	18.45	3.11	2.26	0.26
15.90	2.94	2.10	0.42	18.50	3.11	2.27	0.26
15.95	2.94	2.11	0.41	18.55	3.11	2.27	0.26
16.00	2.95	2.11	0.41	18.60	3.12	2.27	0.25
16.05	2.95	2.12	0.41	18.65	3.12	2.27	0.25
16.10	2.96	2.12	0.40	18.70	3.12	2.28	0.25
16.15	2.96	2.12	0.40	18.75	3.12	2.28	0.25
16.20	2.96	2.13	0.40	18.80	3.13	2.28	0.25
16.25	2.97	2.13	0.39	18.85	3.13	2.28	0.25
16.30	2.97	2.14	0.39	18.90	3.13	2.29	0.25
16.35	2.98	2.14	0.39	18.95	3.13	2.29	0.25
16.40	2.98	2.14	0.38	19.00	3.14	2.29	0.25
16.45	2.98	2.15	0.38	19.05	3.14	2.29	0.25
16.50	2.99	2.15	0.38	19.10	3.14	2.30	0.24
16.55	2.99	2.15	0.38	19.15	3.14	2.30	0.24
16.60	3.00	2.16	0.37	19.20	3.15	2.30	0.24
16.65	3.00	2.16	0.37	19.25	3.15	2.30	0.24
16.70	3.00	2.16	0.37	19.30	3.15	2.31	0.24
16.75	3.01	2.17	0.36	19.35	3.15	2.31	0.24
16.80	3.01	2.17	0.36	19.40	3.16	2.31	0.24
16.85	3.01	2.17	0.36	19.45	3.16	2.31	0.24
16.90	3.02	2.18	0.35	19.50	3.16	2.31	0.24
16.95	3.02	2.18	0.35	19.55	3.16	2.32	0.24
17.00	3.02	2.18	0.35	19.60	3.17	2.32	0.24
17.05	3.03	2.19	0.34	19.65	3.17	2.32	0.24
17.10	3.03	2.19	0.34	19.70	3.17	2.32	0.23
17.15	3.03	2.19	0.34	19.75	3.17	2.33	0.23
17.20	3.04	2.20	0.34	19.80	3.18	2.33	0.23
17.25	3.04	2.20	0.33	19.85	3.18	2.33	0.23
17.30	3.04	2.20	0.33	19.90	3.18	2.33	0.23
17.35	3.05	2.20	0.33	19.95	3.18	2.34	0.23
17.40	3.05	2.21	0.32	20.00	3.19	2.34	0.23
17.45	3.05	2.21	0.32	20.05	3.19	2.34	0.23
17.50	3.06	2.21	0.32	20.10	3.19	2.34	0.23
17.55	3.06	2.22	0.31	20.15	3.19	2.34	0.23
17.60	3.06	2.22	0.31	20.20	3.20	2.35	0.23
17.65	3.06	2.22	0.31	20.25	3.20	2.35	0.23
17.70	3.07	2.22	0.30	20.30	3.20	2.35	0.23
17.75	3.07	2.23	0.30	20.35	3.20	2.35	0.22
17.80	3.07	2.23	0.30	20.40	3.20	2.36	0.22
17.85	3.08	2.23	0.30	20.45	3.21	2.36	0.22
17.90	3.08	2.24	0.29	20.50	3.21	2.36	0.22
17.95	3.08	2.24	0.29	20.55	3.21	2.36	0.22
18.00	3.08	2.24	0.29	20.60	3.21	2.36	0.22
18.05	3.09	2.24	0.28	20.65	3.22	2.37	0.22
18.10	3.09	2.25	0.28	20.70	3.22	2.37	0.22
18.15	3.09	2.25	0.28	20.75	3.22	2.37	0.22

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.37	0.22	23.40	3.33	2.47	0.18
20.85	3.23	2.37	0.22	23.45	3.33	2.47	0.18
20.90	3.23	2.38	0.22	23.50	3.33	2.48	0.18
20.95	3.23	2.38	0.22	23.55	3.33	2.48	0.18
21.00	3.23	2.38	0.21	23.60	3.34	2.48	0.17
21.05	3.23	2.38	0.21	23.65	3.34	2.48	0.17
21.10	3.24	2.39	0.21	23.70	3.34	2.48	0.17
21.15	3.24	2.39	0.21	23.75	3.34	2.48	0.17
21.20	3.24	2.39	0.21	23.80	3.34	2.49	0.17
21.25	3.24	2.39	0.21	23.85	3.34	2.49	0.17
21.30	3.24	2.39	0.21	23.90	3.35	2.49	0.17
21.35	3.25	2.40	0.21	23.95	3.35	2.49	0.17
21.40	3.25	2.40	0.21	24.00	**3.35**	**2.49**	0.17
21.45	3.25	2.40	0.21	24.05	3.35	2.49	0.17
21.50	3.25	2.40	0.21	24.10	3.35	2.49	0.17
21.55	3.26	2.40	0.21	24.15	3.35	2.49	0.17
21.60	3.26	2.41	0.21	24.20	3.35	2.49	0.16
21.65	3.26	2.41	0.20	24.25	3.35	2.49	0.15
21.70	3.26	2.41	0.20	24.30	3.35	2.49	0.14
21.75	3.26	2.41	0.20	24.35	3.35	2.49	0.12
21.80	3.27	2.41	0.20	24.40	3.35	2.49	0.11
21.85	3.27	2.42	0.20	24.45	3.35	2.49	0.09
21.90	3.27	2.42	0.20	24.50	3.35	2.49	0.07
21.95	3.27	2.42	0.20	24.55	3.35	2.49	0.06
22.00	3.27	2.42	0.20	24.60	3.35	2.49	0.04
22.05	3.28	2.42	0.20	24.65	3.35	2.49	0.04
22.10	3.28	2.43	0.20	24.70	3.35	2.49	0.03
22.15	3.28	2.43	0.20	24.75	3.35	2.49	0.02
22.20	3.28	2.43	0.20	24.80	3.35	2.49	0.02
22.25	3.28	2.43	0.20	24.85	3.35	2.49	0.01
22.30	3.29	2.43	0.19	24.90	3.35	2.49	0.01
22.35	3.29	2.43	0.19	24.95	3.35	2.49	0.01
22.40	3.29	2.44	0.19	25.00	3.35	2.49	0.01
22.45	3.29	2.44	0.19	25.05	3.35	2.49	0.01
22.50	3.29	2.44	0.19	25.10	3.35	2.49	0.00
22.55	3.30	2.44	0.19	25.15	3.35	2.49	0.00
22.60	3.30	2.44	0.19	25.20	3.35	2.49	0.00
22.65	3.30	2.45	0.19	25.25	3.35	2.49	0.00
22.70	3.30	2.45	0.19	25.30	3.35	2.49	0.00
22.75	3.30	2.45	0.19	25.35	3.35	2.49	0.00
22.80	3.31	2.45	0.19	25.40	3.35	2.49	0.00
22.85	3.31	2.45	0.19	25.45	3.35	2.49	0.00
22.90	3.31	2.45	0.19	25.50	3.35	2.49	0.00
22.95	3.31	2.46	0.18	25.55	3.35	2.49	0.00
23.00	3.31	2.46	0.18	25.60	3.35	2.49	0.00
23.05	3.32	2.46	0.18	25.65	3.35	2.49	0.00
23.10	3.32	2.46	0.18	25.70	3.35	2.49	0.00
23.15	3.32	2.46	0.18	25.75	3.35	2.49	0.00
23.20	3.32	2.47	0.18	25.80	3.35	2.49	0.00
23.25	3.32	2.47	0.18	25.85	3.35	2.49	0.00
23.30	3.32	2.47	0.18	25.90	3.35	2.49	0.00
23.35	3.33	2.47	0.18	25.95	3.35	2.49	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	2.49	0.00	28.60	3.35	2.49	0.00
26.05	3.35	2.49	0.00	28.65	3.35	2.49	0.00
26.10	3.35	2.49	0.00	28.70	3.35	2.49	0.00
26.15	3.35	2.49	0.00	28.75	3.35	2.49	0.00
26.20	3.35	2.49	0.00	28.80	3.35	2.49	0.00
26.25	3.35	2.49	0.00	28.85	3.35	2.49	0.00
26.30	3.35	2.49	0.00	28.90	3.35	2.49	0.00
26.35	3.35	2.49	0.00	28.95	3.35	2.49	0.00
26.40	3.35	2.49	0.00	29.00	3.35	2.49	0.00
26.45	3.35	2.49	0.00	29.05	3.35	2.49	0.00
26.50	3.35	2.49	0.00	29.10	3.35	2.49	0.00
26.55	3.35	2.49	0.00	29.15	3.35	2.49	0.00
26.60	3.35	2.49	0.00	29.20	3.35	2.49	0.00
26.65	3.35	2.49	0.00	29.25	3.35	2.49	0.00
26.70	3.35	2.49	0.00	29.30	3.35	2.49	0.00
26.75	3.35	2.49	0.00	29.35	3.35	2.49	0.00
26.80	3.35	2.49	0.00	29.40	3.35	2.49	0.00
26.85	3.35	2.49	0.00	29.45	3.35	2.49	0.00
26.90	3.35	2.49	0.00	29.50	3.35	2.49	0.00
26.95	3.35	2.49	0.00	29.55	3.35	2.49	0.00
27.00	3.35	2.49	0.00	29.60	3.35	2.49	0.00
27.05	3.35	2.49	0.00	29.65	3.35	2.49	0.00
27.10	3.35	2.49	0.00	29.70	3.35	2.49	0.00
27.15	3.35	2.49	0.00	29.75	3.35	2.49	0.00
27.20	3.35	2.49	0.00	29.80	3.35	2.49	0.00
27.25	3.35	2.49	0.00	29.85	3.35	2.49	0.00
27.30	3.35	2.49	0.00	29.90	3.35	2.49	0.00
27.35	3.35	2.49	0.00	29.95	3.35	2.49	0.00
27.40	3.35	2.49	0.00	30.00	3.35	2.49	0.00
27.45	3.35	2.49	0.00	30.05	3.35	2.49	0.00
27.50	3.35	2.49	0.00	30.10	3.35	2.49	0.00
27.55	3.35	2.49	0.00	30.15	3.35	2.49	0.00
27.60	3.35	2.49	0.00	30.20	3.35	2.49	0.00
27.65	3.35	2.49	0.00	30.25	3.35	2.49	0.00
27.70	3.35	2.49	0.00	30.30	3.35	2.49	0.00
27.75	3.35	2.49	0.00	30.35	3.35	2.49	0.00
27.80	3.35	2.49	0.00	30.40	3.35	2.49	0.00
27.85	3.35	2.49	0.00	30.45	3.35	2.49	0.00
27.90	3.35	2.49	0.00	30.50	3.35	2.49	0.00
27.95	3.35	2.49	0.00	30.55	3.35	2.49	0.00
28.00	3.35	2.49	0.00	30.60	3.35	2.49	0.00
28.05	3.35	2.49	0.00	30.65	3.35	2.49	0.00
28.10	3.35	2.49	0.00	30.70	3.35	2.49	0.00
28.15	3.35	2.49	0.00	30.75	3.35	2.49	0.00
28.20	3.35	2.49	0.00	30.80	3.35	2.49	0.00
28.25	3.35	2.49	0.00	30.85	3.35	2.49	0.00
28.30	3.35	2.49	0.00	30.90	3.35	2.49	0.00
28.35	3.35	2.49	0.00	30.95	3.35	2.49	0.00
28.40	3.35	2.49	0.00	31.00	3.35	2.49	0.00
28.45	3.35	2.49	0.00	31.05	3.35	2.49	0.00
28.50	3.35	2.49	0.00	31.10	3.35	2.49	0.00
28.55	3.35	2.49	0.00	31.15	3.35	2.49	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	2.49	0.00	33.80	3.35	2.49	0.00
31.25	3.35	2.49	0.00	33.85	3.35	2.49	0.00
31.30	3.35	2.49	0.00	33.90	3.35	2.49	0.00
31.35	3.35	2.49	0.00	33.95	3.35	2.49	0.00
31.40	3.35	2.49	0.00	34.00	3.35	2.49	0.00
31.45	3.35	2.49	0.00	34.05	3.35	2.49	0.00
31.50	3.35	2.49	0.00	34.10	3.35	2.49	0.00
31.55	3.35	2.49	0.00	34.15	3.35	2.49	0.00
31.60	3.35	2.49	0.00	34.20	3.35	2.49	0.00
31.65	3.35	2.49	0.00	34.25	3.35	2.49	0.00
31.70	3.35	2.49	0.00	34.30	3.35	2.49	0.00
31.75	3.35	2.49	0.00	34.35	3.35	2.49	0.00
31.80	3.35	2.49	0.00	34.40	3.35	2.49	0.00
31.85	3.35	2.49	0.00	34.45	3.35	2.49	0.00
31.90	3.35	2.49	0.00	34.50	3.35	2.49	0.00
31.95	3.35	2.49	0.00	34.55	3.35	2.49	0.00
32.00	3.35	2.49	0.00	34.60	3.35	2.49	0.00
32.05	3.35	2.49	0.00	34.65	3.35	2.49	0.00
32.10	3.35	2.49	0.00	34.70	3.35	2.49	0.00
32.15	3.35	2.49	0.00	34.75	3.35	2.49	0.00
32.20	3.35	2.49	0.00	34.80	3.35	2.49	0.00
32.25	3.35	2.49	0.00	34.85	3.35	2.49	0.00
32.30	3.35	2.49	0.00	34.90	3.35	2.49	0.00
32.35	3.35	2.49	0.00	34.95	3.35	2.49	0.00
32.40	3.35	2.49	0.00	35.00	3.35	2.49	0.00
32.45	3.35	2.49	0.00	35.05	3.35	2.49	0.00
32.50	3.35	2.49	0.00	35.10	3.35	2.49	0.00
32.55	3.35	2.49	0.00	35.15	3.35	2.49	0.00
32.60	3.35	2.49	0.00	35.20	3.35	2.49	0.00
32.65	3.35	2.49	0.00	35.25	3.35	2.49	0.00
32.70	3.35	2.49	0.00	35.30	3.35	2.49	0.00
32.75	3.35	2.49	0.00	35.35	3.35	2.49	0.00
32.80	3.35	2.49	0.00	35.40	3.35	2.49	0.00
32.85	3.35	2.49	0.00	35.45	3.35	2.49	0.00
32.90	3.35	2.49	0.00	35.50	3.35	2.49	0.00
32.95	3.35	2.49	0.00	35.55	3.35	2.49	0.00
33.00	3.35	2.49	0.00	35.60	3.35	2.49	0.00
33.05	3.35	2.49	0.00	35.65	3.35	2.49	0.00
33.10	3.35	2.49	0.00	35.70	3.35	2.49	0.00
33.15	3.35	2.49	0.00	35.75	3.35	2.49	0.00
33.20	3.35	2.49	0.00	35.80	3.35	2.49	0.00
33.25	3.35	2.49	0.00	35.85	3.35	2.49	0.00
33.30	3.35	2.49	0.00	35.90	3.35	2.49	0.00
33.35	3.35	2.49	0.00	35.95	3.35	2.49	0.00
33.40	3.35	2.49	0.00	36.00	3.35	2.49	0.00
33.45	3.35	2.49	0.00	36.05	3.35	2.49	0.00
33.50	3.35	2.49	0.00	36.10	3.35	2.49	0.00
33.55	3.35	2.49	0.00	36.15	3.35	2.49	0.00
33.60	3.35	2.49	0.00	36.20	3.35	2.49	0.00
33.65	3.35	2.49	0.00	36.25	3.35	2.49	0.00
33.70	3.35	2.49	0.00	36.30	3.35	2.49	0.00
33.75	3.35	2.49	0.00	36.35	3.35	2.49	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	2.49	0.00
36.45	3.35	2.49	0.00
36.50	3.35	2.49	0.00
36.55	3.35	2.49	0.00
36.60	3.35	2.49	0.00
36.65	3.35	2.49	0.00
36.70	3.35	2.49	0.00
36.75	3.35	2.49	0.00
36.80	3.35	2.49	0.00
36.85	3.35	2.49	0.00
36.90	3.35	2.49	0.00
36.95	3.35	2.49	0.00
37.00	3.35	2.49	0.00
37.05	3.35	2.49	0.00
37.10	3.35	2.49	0.00
37.15	3.35	2.49	0.00
37.20	3.35	2.49	0.00
37.25	3.35	2.49	0.00
37.30	3.35	2.49	0.00
37.35	3.35	2.49	0.00
37.40	3.35	2.49	0.00
37.45	3.35	2.49	0.00
37.50	3.35	2.49	0.00
37.55	3.35	2.49	0.00
37.60	3.35	2.49	0.00
37.65	3.35	2.49	0.00
37.70	3.35	2.49	0.00
37.75	3.35	2.49	0.00
37.80	3.35	2.49	0.00
37.85	3.35	2.49	0.00
37.90	3.35	2.49	0.00
37.95	3.35	2.49	0.00
38.00	3.35	2.49	0.00
38.05	3.35	2.49	0.00
38.10	3.35	2.49	0.00
38.15	3.35	2.49	0.00
38.20	3.35	2.49	0.00
38.25	3.35	2.49	0.00
38.30	3.35	2.49	0.00
38.35	3.35	2.49	0.00
38.40	3.35	2.49	0.00
38.45	3.35	2.49	0.00
38.50	3.35	2.49	0.00
38.55	3.35	2.49	0.00
38.60	3.35	2.49	0.00
38.65	3.35	2.49	0.00
38.70	3.35	2.49	0.00
38.75	3.35	2.49	0.00
38.80	3.35	2.49	0.00
38.85	3.35	2.49	0.00
38.90	3.35	2.49	0.00
38.95	3.35	2.49	0.00
39.00	3.35	2.49	0.00
39.05	3.35	2.49	0.00
39.10	3.35	2.49	0.00
39.15	3.35	2.49	0.00
39.20	3.35	2.49	0.00
39.25	3.35	2.49	0.00
39.30	3.35	2.49	0.00
39.35	3.35	2.49	0.00
39.40	3.35	2.49	0.00
39.45	3.35	2.49	0.00
39.50	3.35	2.49	0.00
39.55	3.35	2.49	0.00
39.60	3.35	2.49	0.00
39.65	3.35	2.49	0.00
39.70	3.35	2.49	0.00
39.75	3.35	2.49	0.00
39.80	3.35	2.49	0.00
39.85	3.35	2.49	0.00
39.90	3.35	2.49	0.00
39.95	3.35	2.49	0.00
40.00	3.35	2.49	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

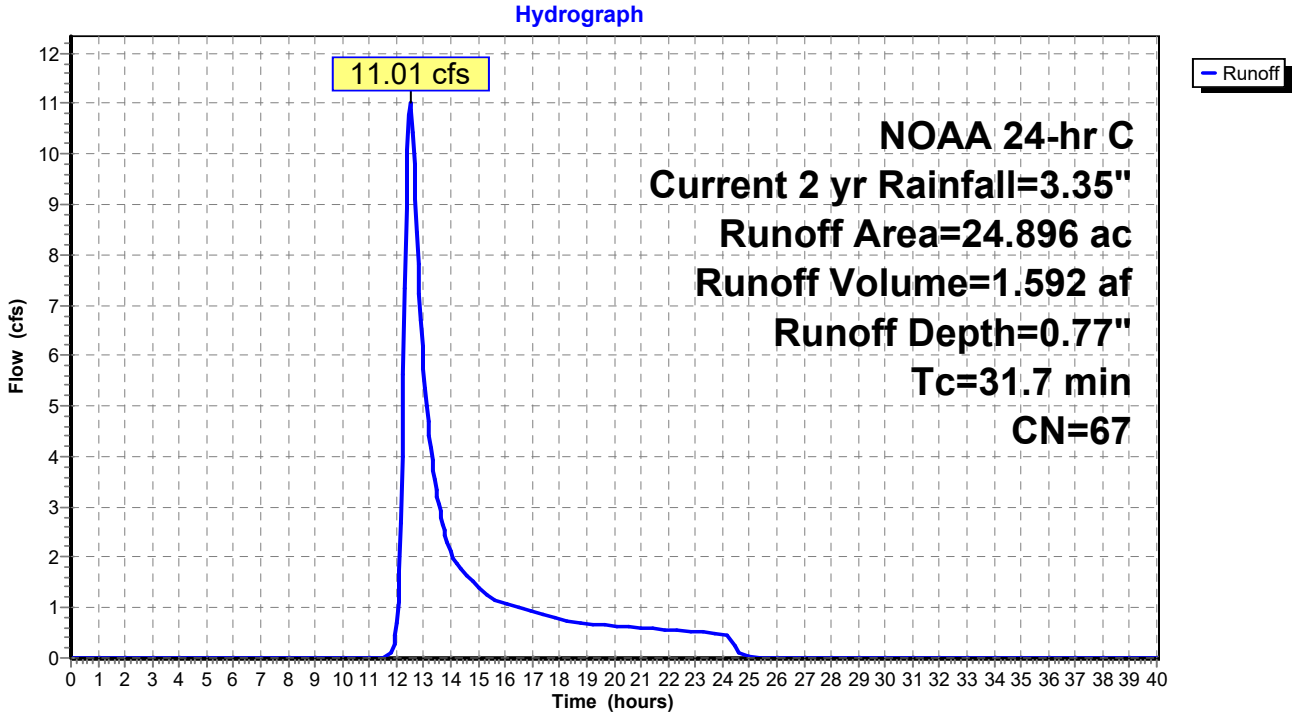
Runoff = 11.01 cfs @ 12.51 hrs, Volume= 1.592 af, Depth= 0.77"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.38	5.75
10.45	0.68	0.00	0.00	13.05	2.56	0.38	5.35
10.50	0.69	0.00	0.00	13.10	2.57	0.39	5.00
10.55	0.70	0.00	0.00	13.15	2.58	0.39	4.69
10.60	0.71	0.00	0.00	13.20	2.60	0.40	4.41
10.65	0.72	0.00	0.00	13.25	2.61	0.40	4.16
10.70	0.73	0.00	0.00	13.30	2.62	0.41	3.93
10.75	0.74	0.00	0.00	13.35	2.63	0.41	3.72
10.80	0.75	0.00	0.00	13.40	2.64	0.42	3.53
10.85	0.77	0.00	0.00	13.45	2.65	0.42	3.35
10.90	0.78	0.00	0.00	13.50	2.66	0.42	3.19
10.95	0.79	0.00	0.00	13.55	2.67	0.43	3.04
11.00	0.80	0.00	0.00	13.60	2.68	0.43	2.90
11.05	0.82	0.00	0.00	13.65	2.68	0.44	2.78
11.10	0.83	0.00	0.00	13.70	2.69	0.44	2.65
11.15	0.85	0.00	0.00	13.75	2.70	0.44	2.53
11.20	0.87	0.00	0.00	13.80	2.71	0.45	2.42
11.25	0.89	0.00	0.00	13.85	2.72	0.45	2.32
11.30	0.91	0.00	0.00	13.90	2.72	0.45	2.23
11.35	0.93	0.00	0.00	13.95	2.73	0.46	2.15
11.40	0.95	0.00	0.00	14.00	2.74	0.46	2.08
11.45	0.97	0.00	0.00	14.05	2.75	0.46	2.02
11.50	0.99	0.00	0.00	14.10	2.75	0.47	1.97
11.55	1.02	0.00	0.00	14.15	2.76	0.47	1.92
11.60	1.06	0.00	0.00	14.20	2.77	0.47	1.88
11.65	1.09	0.00	0.00	14.25	2.77	0.48	1.84
11.70	1.13	0.00	0.01	14.30	2.78	0.48	1.81
11.75	1.18	0.01	0.04	14.35	2.79	0.48	1.78
11.80	1.23	0.01	0.08	14.40	2.79	0.49	1.75
11.85	1.29	0.02	0.15	14.45	2.80	0.49	1.72
11.90	1.36	0.03	0.27	14.50	2.81	0.49	1.69
11.95	1.48	0.05	0.44	14.55	2.81	0.49	1.66
12.00	1.60	0.07	0.70	14.60	2.82	0.50	1.63
12.05	1.79	0.11	1.10	14.65	2.82	0.50	1.60
12.10	1.99	0.17	1.73	14.70	2.83	0.50	1.58
12.15	2.06	0.19	2.69	14.75	2.84	0.51	1.55
12.20	2.12	0.21	4.01	14.80	2.84	0.51	1.52
12.25	2.17	0.23	5.62	14.85	2.85	0.51	1.50
12.30	2.22	0.25	7.34	14.90	2.85	0.51	1.47
12.35	2.26	0.26	8.92	14.95	2.86	0.51	1.44
12.40	2.29	0.27	10.08	15.00	2.86	0.52	1.42
12.45	2.33	0.29	10.77	15.05	2.87	0.52	1.39
12.50	2.36	0.30	**11.01**	15.10	2.87	0.52	1.36
12.55	2.38	0.31	10.86	15.15	2.87	0.52	1.34
12.60	2.40	0.32	10.42	15.20	2.88	0.53	1.31
12.65	2.42	0.33	9.80	15.25	2.88	0.53	1.28
12.70	2.44	0.33	9.11	15.30	2.89	0.53	1.26
12.75	2.46	0.34	8.45	15.35	2.89	0.53	1.23
12.80	2.48	0.35	7.82	15.40	2.90	0.53	1.21
12.85	2.50	0.36	7.24	15.45	2.90	0.54	1.19
12.90	2.52	0.36	6.69	15.50	2.91	0.54	1.17
12.95	2.53	0.37	6.19	15.55	2.91	0.54	1.16

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.54	1.14	18.20	3.10	0.63	0.74
15.65	2.92	0.55	1.13	18.25	3.10	0.63	0.73
15.70	2.92	0.55	1.12	18.30	3.10	0.64	0.73
15.75	2.93	0.55	1.11	18.35	3.10	0.64	0.72
15.80	2.93	0.55	1.10	18.40	3.11	0.64	0.71
15.85	2.94	0.55	1.09	18.45	3.11	0.64	0.71
15.90	2.94	0.56	1.08	18.50	3.11	0.64	0.70
15.95	2.94	0.56	1.08	18.55	3.11	0.64	0.70
16.00	2.95	0.56	1.07	18.60	3.12	0.64	0.70
16.05	2.95	0.56	1.06	18.65	3.12	0.65	0.69
16.10	2.96	0.56	1.05	18.70	3.12	0.65	0.69
16.15	2.96	0.57	1.04	18.75	3.12	0.65	0.69
16.20	2.96	0.57	1.04	18.80	3.13	0.65	0.68
16.25	2.97	0.57	1.03	18.85	3.13	0.65	0.68
16.30	2.97	0.57	1.02	18.90	3.13	0.65	0.68
16.35	2.98	0.57	1.02	18.95	3.13	0.65	0.68
16.40	2.98	0.58	1.01	19.00	3.14	0.65	0.67
16.45	2.98	0.58	1.00	19.05	3.14	0.66	0.67
16.50	2.99	0.58	1.00	19.10	3.14	0.66	0.67
16.55	2.99	0.58	0.99	19.15	3.14	0.66	0.67
16.60	3.00	0.58	0.98	19.20	3.15	0.66	0.67
16.65	3.00	0.58	0.97	19.25	3.15	0.66	0.67
16.70	3.00	0.59	0.97	19.30	3.15	0.66	0.66
16.75	3.01	0.59	0.96	19.35	3.15	0.66	0.66
16.80	3.01	0.59	0.95	19.40	3.16	0.66	0.66
16.85	3.01	0.59	0.95	19.45	3.16	0.67	0.66
16.90	3.02	0.59	0.94	19.50	3.16	0.67	0.66
16.95	3.02	0.59	0.93	19.55	3.16	0.67	0.66
17.00	3.02	0.60	0.92	19.60	3.17	0.67	0.65
17.05	3.03	0.60	0.92	19.65	3.17	0.67	0.65
17.10	3.03	0.60	0.91	19.70	3.17	0.67	0.65
17.15	3.03	0.60	0.90	19.75	3.17	0.67	0.65
17.20	3.04	0.60	0.89	19.80	3.18	0.67	0.65
17.25	3.04	0.60	0.89	19.85	3.18	0.68	0.64
17.30	3.04	0.61	0.88	19.90	3.18	0.68	0.64
17.35	3.05	0.61	0.87	19.95	3.18	0.68	0.64
17.40	3.05	0.61	0.87	20.00	3.19	0.68	0.64
17.45	3.05	0.61	0.86	20.05	3.19	0.68	0.64
17.50	3.06	0.61	0.85	20.10	3.19	0.68	0.64
17.55	3.06	0.61	0.84	20.15	3.19	0.68	0.63
17.60	3.06	0.62	0.83	20.20	3.20	0.68	0.63
17.65	3.06	0.62	0.83	20.25	3.20	0.69	0.63
17.70	3.07	0.62	0.82	20.30	3.20	0.69	0.63
17.75	3.07	0.62	0.81	20.35	3.20	0.69	0.63
17.80	3.07	0.62	0.80	20.40	3.20	0.69	0.63
17.85	3.08	0.62	0.80	20.45	3.21	0.69	0.62
17.90	3.08	0.62	0.79	20.50	3.21	0.69	0.62
17.95	3.08	0.63	0.78	20.55	3.21	0.69	0.62
18.00	3.08	0.63	0.77	20.60	3.21	0.69	0.62
18.05	3.09	0.63	0.77	20.65	3.22	0.70	0.62
18.10	3.09	0.63	0.76	20.70	3.22	0.70	0.61
18.15	3.09	0.63	0.75	20.75	3.22	0.70	0.61

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.70	0.61	23.40	3.33	0.76	0.51
20.85	3.23	0.70	0.61	23.45	3.33	0.76	0.51
20.90	3.23	0.70	0.61	23.50	3.33	0.76	0.51
20.95	3.23	0.70	0.61	23.55	3.33	0.76	0.50
21.00	3.23	0.70	0.60	23.60	3.34	0.76	0.50
21.05	3.23	0.70	0.60	23.65	3.34	0.76	0.50
21.10	3.24	0.71	0.60	23.70	3.34	0.76	0.50
21.15	3.24	0.71	0.60	23.75	3.34	0.76	0.50
21.20	3.24	0.71	0.60	23.80	3.34	0.76	0.49
21.25	3.24	0.71	0.59	23.85	3.34	0.76	0.49
21.30	3.24	0.71	0.59	23.90	3.35	0.76	0.49
21.35	3.25	0.71	0.59	23.95	3.35	0.77	0.49
21.40	3.25	0.71	0.59	24.00	**3.35**	**0.77**	0.49
21.45	3.25	0.71	0.59	24.05	3.35	0.77	0.49
21.50	3.25	0.72	0.58	24.10	3.35	0.77	0.48
21.55	3.26	0.72	0.58	24.15	3.35	0.77	0.48
21.60	3.26	0.72	0.58	24.20	3.35	0.77	0.47
21.65	3.26	0.72	0.58	24.25	3.35	0.77	0.44
21.70	3.26	0.72	0.58	24.30	3.35	0.77	0.41
21.75	3.26	0.72	0.58	24.35	3.35	0.77	0.36
21.80	3.27	0.72	0.57	24.40	3.35	0.77	0.31
21.85	3.27	0.72	0.57	24.45	3.35	0.77	0.26
21.90	3.27	0.72	0.57	24.50	3.35	0.77	0.21
21.95	3.27	0.73	0.57	24.55	3.35	0.77	0.17
22.00	3.27	0.73	0.57	24.60	3.35	0.77	0.13
22.05	3.28	0.73	0.56	24.65	3.35	0.77	0.10
22.10	3.28	0.73	0.56	24.70	3.35	0.77	0.08
22.15	3.28	0.73	0.56	24.75	3.35	0.77	0.06
22.20	3.28	0.73	0.56	24.80	3.35	0.77	0.05
22.25	3.28	0.73	0.56	24.85	3.35	0.77	0.04
22.30	3.29	0.73	0.55	24.90	3.35	0.77	0.03
22.35	3.29	0.73	0.55	24.95	3.35	0.77	0.03
22.40	3.29	0.73	0.55	25.00	3.35	0.77	0.02
22.45	3.29	0.74	0.55	25.05	3.35	0.77	0.02
22.50	3.29	0.74	0.55	25.10	3.35	0.77	0.01
22.55	3.30	0.74	0.54	25.15	3.35	0.77	0.01
22.60	3.30	0.74	0.54	25.20	3.35	0.77	0.01
22.65	3.30	0.74	0.54	25.25	3.35	0.77	0.01
22.70	3.30	0.74	0.54	25.30	3.35	0.77	0.00
22.75	3.30	0.74	0.54	25.35	3.35	0.77	0.00
22.80	3.31	0.74	0.53	25.40	3.35	0.77	0.00
22.85	3.31	0.74	0.53	25.45	3.35	0.77	0.00
22.90	3.31	0.75	0.53	25.50	3.35	0.77	0.00
22.95	3.31	0.75	0.53	25.55	3.35	0.77	0.00
23.00	3.31	0.75	0.53	25.60	3.35	0.77	0.00
23.05	3.32	0.75	0.52	25.65	3.35	0.77	0.00
23.10	3.32	0.75	0.52	25.70	3.35	0.77	0.00
23.15	3.32	0.75	0.52	25.75	3.35	0.77	0.00
23.20	3.32	0.75	0.52	25.80	3.35	0.77	0.00
23.25	3.32	0.75	0.52	25.85	3.35	0.77	0.00
23.30	3.32	0.75	0.51	25.90	3.35	0.77	0.00
23.35	3.33	0.75	0.51	25.95	3.35	0.77	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.77	0.00	28.60	3.35	0.77	0.00
26.05	3.35	0.77	0.00	28.65	3.35	0.77	0.00
26.10	3.35	0.77	0.00	28.70	3.35	0.77	0.00
26.15	3.35	0.77	0.00	28.75	3.35	0.77	0.00
26.20	3.35	0.77	0.00	28.80	3.35	0.77	0.00
26.25	3.35	0.77	0.00	28.85	3.35	0.77	0.00
26.30	3.35	0.77	0.00	28.90	3.35	0.77	0.00
26.35	3.35	0.77	0.00	28.95	3.35	0.77	0.00
26.40	3.35	0.77	0.00	29.00	3.35	0.77	0.00
26.45	3.35	0.77	0.00	29.05	3.35	0.77	0.00
26.50	3.35	0.77	0.00	29.10	3.35	0.77	0.00
26.55	3.35	0.77	0.00	29.15	3.35	0.77	0.00
26.60	3.35	0.77	0.00	29.20	3.35	0.77	0.00
26.65	3.35	0.77	0.00	29.25	3.35	0.77	0.00
26.70	3.35	0.77	0.00	29.30	3.35	0.77	0.00
26.75	3.35	0.77	0.00	29.35	3.35	0.77	0.00
26.80	3.35	0.77	0.00	29.40	3.35	0.77	0.00
26.85	3.35	0.77	0.00	29.45	3.35	0.77	0.00
26.90	3.35	0.77	0.00	29.50	3.35	0.77	0.00
26.95	3.35	0.77	0.00	29.55	3.35	0.77	0.00
27.00	3.35	0.77	0.00	29.60	3.35	0.77	0.00
27.05	3.35	0.77	0.00	29.65	3.35	0.77	0.00
27.10	3.35	0.77	0.00	29.70	3.35	0.77	0.00
27.15	3.35	0.77	0.00	29.75	3.35	0.77	0.00
27.20	3.35	0.77	0.00	29.80	3.35	0.77	0.00
27.25	3.35	0.77	0.00	29.85	3.35	0.77	0.00
27.30	3.35	0.77	0.00	29.90	3.35	0.77	0.00
27.35	3.35	0.77	0.00	29.95	3.35	0.77	0.00
27.40	3.35	0.77	0.00	30.00	3.35	0.77	0.00
27.45	3.35	0.77	0.00	30.05	3.35	0.77	0.00
27.50	3.35	0.77	0.00	30.10	3.35	0.77	0.00
27.55	3.35	0.77	0.00	30.15	3.35	0.77	0.00
27.60	3.35	0.77	0.00	30.20	3.35	0.77	0.00
27.65	3.35	0.77	0.00	30.25	3.35	0.77	0.00
27.70	3.35	0.77	0.00	30.30	3.35	0.77	0.00
27.75	3.35	0.77	0.00	30.35	3.35	0.77	0.00
27.80	3.35	0.77	0.00	30.40	3.35	0.77	0.00
27.85	3.35	0.77	0.00	30.45	3.35	0.77	0.00
27.90	3.35	0.77	0.00	30.50	3.35	0.77	0.00
27.95	3.35	0.77	0.00	30.55	3.35	0.77	0.00
28.00	3.35	0.77	0.00	30.60	3.35	0.77	0.00
28.05	3.35	0.77	0.00	30.65	3.35	0.77	0.00
28.10	3.35	0.77	0.00	30.70	3.35	0.77	0.00
28.15	3.35	0.77	0.00	30.75	3.35	0.77	0.00
28.20	3.35	0.77	0.00	30.80	3.35	0.77	0.00
28.25	3.35	0.77	0.00	30.85	3.35	0.77	0.00
28.30	3.35	0.77	0.00	30.90	3.35	0.77	0.00
28.35	3.35	0.77	0.00	30.95	3.35	0.77	0.00
28.40	3.35	0.77	0.00	31.00	3.35	0.77	0.00
28.45	3.35	0.77	0.00	31.05	3.35	0.77	0.00
28.50	3.35	0.77	0.00	31.10	3.35	0.77	0.00
28.55	3.35	0.77	0.00	31.15	3.35	0.77	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.77	0.00	33.80	3.35	0.77	0.00
31.25	3.35	0.77	0.00	33.85	3.35	0.77	0.00
31.30	3.35	0.77	0.00	33.90	3.35	0.77	0.00
31.35	3.35	0.77	0.00	33.95	3.35	0.77	0.00
31.40	3.35	0.77	0.00	34.00	3.35	0.77	0.00
31.45	3.35	0.77	0.00	34.05	3.35	0.77	0.00
31.50	3.35	0.77	0.00	34.10	3.35	0.77	0.00
31.55	3.35	0.77	0.00	34.15	3.35	0.77	0.00
31.60	3.35	0.77	0.00	34.20	3.35	0.77	0.00
31.65	3.35	0.77	0.00	34.25	3.35	0.77	0.00
31.70	3.35	0.77	0.00	34.30	3.35	0.77	0.00
31.75	3.35	0.77	0.00	34.35	3.35	0.77	0.00
31.80	3.35	0.77	0.00	34.40	3.35	0.77	0.00
31.85	3.35	0.77	0.00	34.45	3.35	0.77	0.00
31.90	3.35	0.77	0.00	34.50	3.35	0.77	0.00
31.95	3.35	0.77	0.00	34.55	3.35	0.77	0.00
32.00	3.35	0.77	0.00	34.60	3.35	0.77	0.00
32.05	3.35	0.77	0.00	34.65	3.35	0.77	0.00
32.10	3.35	0.77	0.00	34.70	3.35	0.77	0.00
32.15	3.35	0.77	0.00	34.75	3.35	0.77	0.00
32.20	3.35	0.77	0.00	34.80	3.35	0.77	0.00
32.25	3.35	0.77	0.00	34.85	3.35	0.77	0.00
32.30	3.35	0.77	0.00	34.90	3.35	0.77	0.00
32.35	3.35	0.77	0.00	34.95	3.35	0.77	0.00
32.40	3.35	0.77	0.00	35.00	3.35	0.77	0.00
32.45	3.35	0.77	0.00	35.05	3.35	0.77	0.00
32.50	3.35	0.77	0.00	35.10	3.35	0.77	0.00
32.55	3.35	0.77	0.00	35.15	3.35	0.77	0.00
32.60	3.35	0.77	0.00	35.20	3.35	0.77	0.00
32.65	3.35	0.77	0.00	35.25	3.35	0.77	0.00
32.70	3.35	0.77	0.00	35.30	3.35	0.77	0.00
32.75	3.35	0.77	0.00	35.35	3.35	0.77	0.00
32.80	3.35	0.77	0.00	35.40	3.35	0.77	0.00
32.85	3.35	0.77	0.00	35.45	3.35	0.77	0.00
32.90	3.35	0.77	0.00	35.50	3.35	0.77	0.00
32.95	3.35	0.77	0.00	35.55	3.35	0.77	0.00
33.00	3.35	0.77	0.00	35.60	3.35	0.77	0.00
33.05	3.35	0.77	0.00	35.65	3.35	0.77	0.00
33.10	3.35	0.77	0.00	35.70	3.35	0.77	0.00
33.15	3.35	0.77	0.00	35.75	3.35	0.77	0.00
33.20	3.35	0.77	0.00	35.80	3.35	0.77	0.00
33.25	3.35	0.77	0.00	35.85	3.35	0.77	0.00
33.30	3.35	0.77	0.00	35.90	3.35	0.77	0.00
33.35	3.35	0.77	0.00	35.95	3.35	0.77	0.00
33.40	3.35	0.77	0.00	36.00	3.35	0.77	0.00
33.45	3.35	0.77	0.00	36.05	3.35	0.77	0.00
33.50	3.35	0.77	0.00	36.10	3.35	0.77	0.00
33.55	3.35	0.77	0.00	36.15	3.35	0.77	0.00
33.60	3.35	0.77	0.00	36.20	3.35	0.77	0.00
33.65	3.35	0.77	0.00	36.25	3.35	0.77	0.00
33.70	3.35	0.77	0.00	36.30	3.35	0.77	0.00
33.75	3.35	0.77	0.00	36.35	3.35	0.77	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.77	0.00
36.45	3.35	0.77	0.00
36.50	3.35	0.77	0.00
36.55	3.35	0.77	0.00
36.60	3.35	0.77	0.00
36.65	3.35	0.77	0.00
36.70	3.35	0.77	0.00
36.75	3.35	0.77	0.00
36.80	3.35	0.77	0.00
36.85	3.35	0.77	0.00
36.90	3.35	0.77	0.00
36.95	3.35	0.77	0.00
37.00	3.35	0.77	0.00
37.05	3.35	0.77	0.00
37.10	3.35	0.77	0.00
37.15	3.35	0.77	0.00
37.20	3.35	0.77	0.00
37.25	3.35	0.77	0.00
37.30	3.35	0.77	0.00
37.35	3.35	0.77	0.00
37.40	3.35	0.77	0.00
37.45	3.35	0.77	0.00
37.50	3.35	0.77	0.00
37.55	3.35	0.77	0.00
37.60	3.35	0.77	0.00
37.65	3.35	0.77	0.00
37.70	3.35	0.77	0.00
37.75	3.35	0.77	0.00
37.80	3.35	0.77	0.00
37.85	3.35	0.77	0.00
37.90	3.35	0.77	0.00
37.95	3.35	0.77	0.00
38.00	3.35	0.77	0.00
38.05	3.35	0.77	0.00
38.10	3.35	0.77	0.00
38.15	3.35	0.77	0.00
38.20	3.35	0.77	0.00
38.25	3.35	0.77	0.00
38.30	3.35	0.77	0.00
38.35	3.35	0.77	0.00
38.40	3.35	0.77	0.00
38.45	3.35	0.77	0.00
38.50	3.35	0.77	0.00
38.55	3.35	0.77	0.00
38.60	3.35	0.77	0.00
38.65	3.35	0.77	0.00
38.70	3.35	0.77	0.00
38.75	3.35	0.77	0.00
38.80	3.35	0.77	0.00
38.85	3.35	0.77	0.00
38.90	3.35	0.77	0.00
38.95	3.35	0.77	0.00
39.00	3.35	0.77	0.00
39.05	3.35	0.77	0.00
39.10	3.35	0.77	0.00
39.15	3.35	0.77	0.00
39.20	3.35	0.77	0.00
39.25	3.35	0.77	0.00
39.30	3.35	0.77	0.00
39.35	3.35	0.77	0.00
39.40	3.35	0.77	0.00
39.45	3.35	0.77	0.00
39.50	3.35	0.77	0.00
39.55	3.35	0.77	0.00
39.60	3.35	0.77	0.00
39.65	3.35	0.77	0.00
39.70	3.35	0.77	0.00
39.75	3.35	0.77	0.00
39.80	3.35	0.77	0.00
39.85	3.35	0.77	0.00
39.90	3.35	0.77	0.00
39.95	3.35	0.77	0.00
40.00	3.35	0.77	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

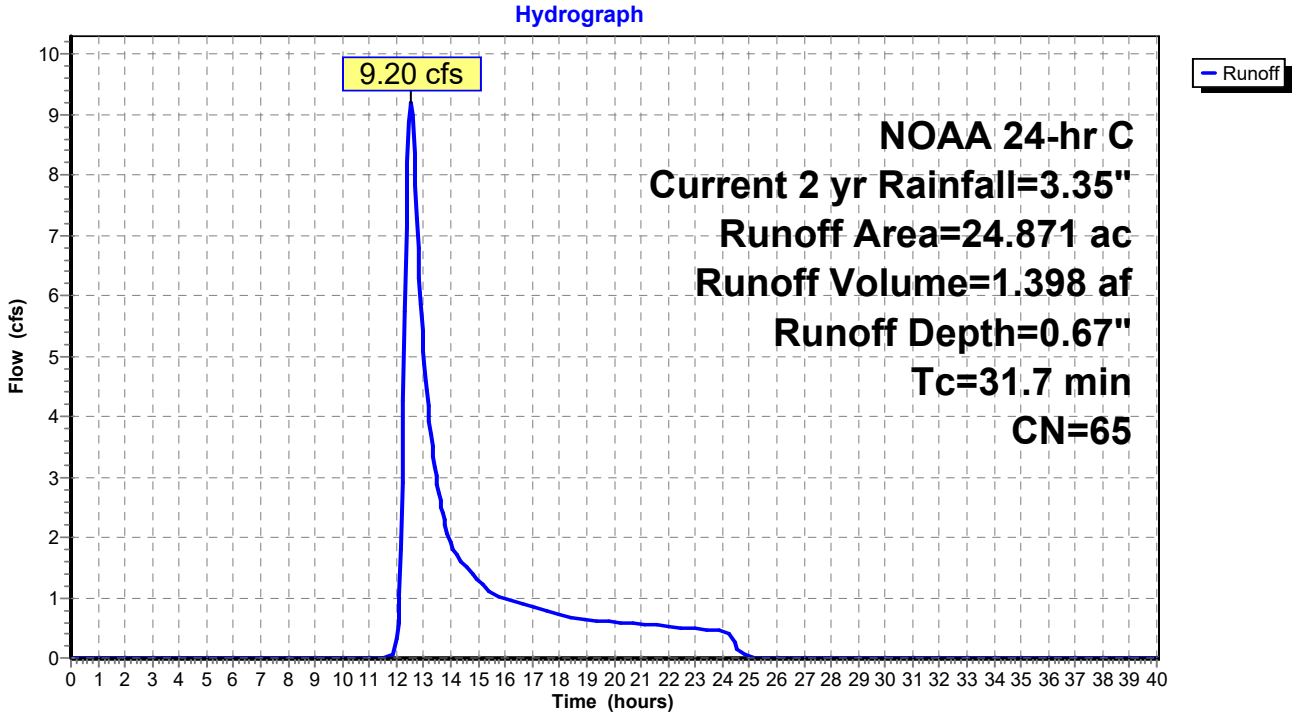
Runoff = 9.20 cfs @ 12.52 hrs, Volume= 1.398 af, Depth= 0.67"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.31	5.06
10.45	0.68	0.00	0.00	13.05	2.56	0.32	4.73
10.50	0.69	0.00	0.00	13.10	2.57	0.33	4.43
10.55	0.70	0.00	0.00	13.15	2.58	0.33	4.17
10.60	0.71	0.00	0.00	13.20	2.60	0.33	3.93
10.65	0.72	0.00	0.00	13.25	2.61	0.34	3.71
10.70	0.73	0.00	0.00	13.30	2.62	0.34	3.52
10.75	0.74	0.00	0.00	13.35	2.63	0.35	3.33
10.80	0.75	0.00	0.00	13.40	2.64	0.35	3.17
10.85	0.77	0.00	0.00	13.45	2.65	0.36	3.01
10.90	0.78	0.00	0.00	13.50	2.66	0.36	2.87
10.95	0.79	0.00	0.00	13.55	2.67	0.36	2.74
11.00	0.80	0.00	0.00	13.60	2.68	0.37	2.62
11.05	0.82	0.00	0.00	13.65	2.68	0.37	2.51
11.10	0.83	0.00	0.00	13.70	2.69	0.37	2.40
11.15	0.85	0.00	0.00	13.75	2.70	0.38	2.29
11.20	0.87	0.00	0.00	13.80	2.71	0.38	2.19
11.25	0.89	0.00	0.00	13.85	2.72	0.38	2.10
11.30	0.91	0.00	0.00	13.90	2.72	0.39	2.02
11.35	0.93	0.00	0.00	13.95	2.73	0.39	1.95
11.40	0.95	0.00	0.00	14.00	2.74	0.39	1.89
11.45	0.97	0.00	0.00	14.05	2.75	0.40	1.84
11.50	0.99	0.00	0.00	14.10	2.75	0.40	1.79
11.55	1.02	0.00	0.00	14.15	2.76	0.40	1.75
11.60	1.06	0.00	0.00	14.20	2.77	0.40	1.71
11.65	1.09	0.00	0.00	14.25	2.77	0.41	1.68
11.70	1.13	0.00	0.00	14.30	2.78	0.41	1.65
11.75	1.18	0.00	0.00	14.35	2.79	0.41	1.62
11.80	1.23	0.00	0.01	14.40	2.79	0.42	1.59
11.85	1.29	0.01	0.03	14.45	2.80	0.42	1.56
11.90	1.36	0.01	0.07	14.50	2.81	0.42	1.54
11.95	1.48	0.03	0.15	14.55	2.81	0.42	1.51
12.00	1.60	0.05	0.31	14.60	2.82	0.43	1.49
12.05	1.79	0.08	0.58	14.65	2.82	0.43	1.46
12.10	1.99	0.13	1.05	14.70	2.83	0.43	1.44
12.15	2.06	0.15	1.81	14.75	2.84	0.43	1.42
12.20	2.12	0.17	2.89	14.80	2.84	0.44	1.39
12.25	2.17	0.19	4.25	14.85	2.85	0.44	1.37
12.30	2.22	0.20	5.74	14.90	2.85	0.44	1.34
12.35	2.26	0.21	7.14	14.95	2.86	0.44	1.32
12.40	2.29	0.22	8.20	15.00	2.86	0.44	1.30
12.45	2.33	0.24	8.88	15.05	2.87	0.45	1.27
12.50	2.36	0.25	**9.17**	15.10	2.87	0.45	1.25
12.55	2.38	0.25	9.13	15.15	2.87	0.45	1.22
12.60	2.40	0.26	8.83	15.20	2.88	0.45	1.20
12.65	2.42	0.27	8.37	15.25	2.88	0.45	1.17
12.70	2.44	0.28	7.82	15.30	2.89	0.46	1.15
12.75	2.46	0.28	7.29	15.35	2.89	0.46	1.13
12.80	2.48	0.29	6.79	15.40	2.90	0.46	1.11
12.85	2.50	0.30	6.31	15.45	2.90	0.46	1.09
12.90	2.52	0.30	5.85	15.50	2.91	0.46	1.07
12.95	2.53	0.31	5.43	15.55	2.91	0.47	1.06

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.47	1.05	18.20	3.10	0.55	0.68
15.65	2.92	0.47	1.04	18.25	3.10	0.55	0.68
15.70	2.92	0.47	1.03	18.30	3.10	0.55	0.67
15.75	2.93	0.47	1.02	18.35	3.10	0.55	0.66
15.80	2.93	0.48	1.01	18.40	3.11	0.56	0.66
15.85	2.94	0.48	1.00	18.45	3.11	0.56	0.65
15.90	2.94	0.48	0.99	18.50	3.11	0.56	0.65
15.95	2.94	0.48	0.99	18.55	3.11	0.56	0.64
16.00	2.95	0.48	0.98	18.60	3.12	0.56	0.64
16.05	2.95	0.48	0.97	18.65	3.12	0.56	0.64
16.10	2.96	0.49	0.97	18.70	3.12	0.56	0.64
16.15	2.96	0.49	0.96	18.75	3.12	0.56	0.63
16.20	2.96	0.49	0.95	18.80	3.13	0.57	0.63
16.25	2.97	0.49	0.95	18.85	3.13	0.57	0.63
16.30	2.97	0.49	0.94	18.90	3.13	0.57	0.63
16.35	2.98	0.50	0.93	18.95	3.13	0.57	0.62
16.40	2.98	0.50	0.93	19.00	3.14	0.57	0.62
16.45	2.98	0.50	0.92	19.05	3.14	0.57	0.62
16.50	2.99	0.50	0.91	19.10	3.14	0.57	0.62
16.55	2.99	0.50	0.91	19.15	3.14	0.57	0.62
16.60	3.00	0.50	0.90	19.20	3.15	0.57	0.62
16.65	3.00	0.51	0.90	19.25	3.15	0.58	0.61
16.70	3.00	0.51	0.89	19.30	3.15	0.58	0.61
16.75	3.01	0.51	0.88	19.35	3.15	0.58	0.61
16.80	3.01	0.51	0.88	19.40	3.16	0.58	0.61
16.85	3.01	0.51	0.87	19.45	3.16	0.58	0.61
16.90	3.02	0.51	0.86	19.50	3.16	0.58	0.61
16.95	3.02	0.52	0.86	19.55	3.16	0.58	0.61
17.00	3.02	0.52	0.85	19.60	3.17	0.58	0.60
17.05	3.03	0.52	0.84	19.65	3.17	0.59	0.60
17.10	3.03	0.52	0.84	19.70	3.17	0.59	0.60
17.15	3.03	0.52	0.83	19.75	3.17	0.59	0.60
17.20	3.04	0.52	0.82	19.80	3.18	0.59	0.60
17.25	3.04	0.52	0.82	19.85	3.18	0.59	0.60
17.30	3.04	0.53	0.81	19.90	3.18	0.59	0.59
17.35	3.05	0.53	0.80	19.95	3.18	0.59	0.59
17.40	3.05	0.53	0.80	20.00	3.19	0.59	0.59
17.45	3.05	0.53	0.79	20.05	3.19	0.59	0.59
17.50	3.06	0.53	0.78	20.10	3.19	0.60	0.59
17.55	3.06	0.53	0.78	20.15	3.19	0.60	0.59
17.60	3.06	0.53	0.77	20.20	3.20	0.60	0.59
17.65	3.06	0.54	0.76	20.25	3.20	0.60	0.58
17.70	3.07	0.54	0.76	20.30	3.20	0.60	0.58
17.75	3.07	0.54	0.75	20.35	3.20	0.60	0.58
17.80	3.07	0.54	0.74	20.40	3.20	0.60	0.58
17.85	3.08	0.54	0.73	20.45	3.21	0.60	0.58
17.90	3.08	0.54	0.73	20.50	3.21	0.60	0.57
17.95	3.08	0.54	0.72	20.55	3.21	0.61	0.57
18.00	3.08	0.55	0.71	20.60	3.21	0.61	0.57
18.05	3.09	0.55	0.71	20.65	3.22	0.61	0.57
18.10	3.09	0.55	0.70	20.70	3.22	0.61	0.57
18.15	3.09	0.55	0.69	20.75	3.22	0.61	0.57

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.61	0.57	23.40	3.33	0.66	0.47
20.85	3.23	0.61	0.56	23.45	3.33	0.66	0.47
20.90	3.23	0.61	0.56	23.50	3.33	0.67	0.47
20.95	3.23	0.61	0.56	23.55	3.33	0.67	0.47
21.00	3.23	0.62	0.56	23.60	3.34	0.67	0.47
21.05	3.23	0.62	0.56	23.65	3.34	0.67	0.46
21.10	3.24	0.62	0.56	23.70	3.34	0.67	0.46
21.15	3.24	0.62	0.55	23.75	3.34	0.67	0.46
21.20	3.24	0.62	0.55	23.80	3.34	0.67	0.46
21.25	3.24	0.62	0.55	23.85	3.34	0.67	0.46
21.30	3.24	0.62	0.55	23.90	3.35	0.67	0.45
21.35	3.25	0.62	0.55	23.95	3.35	0.67	0.45
21.40	3.25	0.62	0.54	24.00	**3.35**	**0.67**	0.45
21.45	3.25	0.63	0.54	24.05	3.35	0.67	0.45
21.50	3.25	0.63	0.54	24.10	3.35	0.67	0.45
21.55	3.26	0.63	0.54	24.15	3.35	0.67	0.44
21.60	3.26	0.63	0.54	24.20	3.35	0.67	0.43
21.65	3.26	0.63	0.54	24.25	3.35	0.67	0.41
21.70	3.26	0.63	0.53	24.30	3.35	0.67	0.38
21.75	3.26	0.63	0.53	24.35	3.35	0.67	0.33
21.80	3.27	0.63	0.53	24.40	3.35	0.67	0.29
21.85	3.27	0.63	0.53	24.45	3.35	0.67	0.24
21.90	3.27	0.63	0.53	24.50	3.35	0.67	0.19
21.95	3.27	0.64	0.53	24.55	3.35	0.67	0.15
22.00	3.27	0.64	0.52	24.60	3.35	0.67	0.12
22.05	3.28	0.64	0.52	24.65	3.35	0.67	0.10
22.10	3.28	0.64	0.52	24.70	3.35	0.67	0.08
22.15	3.28	0.64	0.52	24.75	3.35	0.67	0.06
22.20	3.28	0.64	0.52	24.80	3.35	0.67	0.05
22.25	3.28	0.64	0.52	24.85	3.35	0.67	0.04
22.30	3.29	0.64	0.51	24.90	3.35	0.67	0.03
22.35	3.29	0.64	0.51	24.95	3.35	0.67	0.02
22.40	3.29	0.64	0.51	25.00	3.35	0.67	0.02
22.45	3.29	0.65	0.51	25.05	3.35	0.67	0.01
22.50	3.29	0.65	0.51	25.10	3.35	0.67	0.01
22.55	3.30	0.65	0.50	25.15	3.35	0.67	0.01
22.60	3.30	0.65	0.50	25.20	3.35	0.67	0.01
22.65	3.30	0.65	0.50	25.25	3.35	0.67	0.01
22.70	3.30	0.65	0.50	25.30	3.35	0.67	0.00
22.75	3.30	0.65	0.50	25.35	3.35	0.67	0.00
22.80	3.31	0.65	0.50	25.40	3.35	0.67	0.00
22.85	3.31	0.65	0.49	25.45	3.35	0.67	0.00
22.90	3.31	0.65	0.49	25.50	3.35	0.67	0.00
22.95	3.31	0.66	0.49	25.55	3.35	0.67	0.00
23.00	3.31	0.66	0.49	25.60	3.35	0.67	0.00
23.05	3.32	0.66	0.49	25.65	3.35	0.67	0.00
23.10	3.32	0.66	0.48	25.70	3.35	0.67	0.00
23.15	3.32	0.66	0.48	25.75	3.35	0.67	0.00
23.20	3.32	0.66	0.48	25.80	3.35	0.67	0.00
23.25	3.32	0.66	0.48	25.85	3.35	0.67	0.00
23.30	3.32	0.66	0.48	25.90	3.35	0.67	0.00
23.35	3.33	0.66	0.48	25.95	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.67	0.00	28.60	3.35	0.67	0.00
26.05	3.35	0.67	0.00	28.65	3.35	0.67	0.00
26.10	3.35	0.67	0.00	28.70	3.35	0.67	0.00
26.15	3.35	0.67	0.00	28.75	3.35	0.67	0.00
26.20	3.35	0.67	0.00	28.80	3.35	0.67	0.00
26.25	3.35	0.67	0.00	28.85	3.35	0.67	0.00
26.30	3.35	0.67	0.00	28.90	3.35	0.67	0.00
26.35	3.35	0.67	0.00	28.95	3.35	0.67	0.00
26.40	3.35	0.67	0.00	29.00	3.35	0.67	0.00
26.45	3.35	0.67	0.00	29.05	3.35	0.67	0.00
26.50	3.35	0.67	0.00	29.10	3.35	0.67	0.00
26.55	3.35	0.67	0.00	29.15	3.35	0.67	0.00
26.60	3.35	0.67	0.00	29.20	3.35	0.67	0.00
26.65	3.35	0.67	0.00	29.25	3.35	0.67	0.00
26.70	3.35	0.67	0.00	29.30	3.35	0.67	0.00
26.75	3.35	0.67	0.00	29.35	3.35	0.67	0.00
26.80	3.35	0.67	0.00	29.40	3.35	0.67	0.00
26.85	3.35	0.67	0.00	29.45	3.35	0.67	0.00
26.90	3.35	0.67	0.00	29.50	3.35	0.67	0.00
26.95	3.35	0.67	0.00	29.55	3.35	0.67	0.00
27.00	3.35	0.67	0.00	29.60	3.35	0.67	0.00
27.05	3.35	0.67	0.00	29.65	3.35	0.67	0.00
27.10	3.35	0.67	0.00	29.70	3.35	0.67	0.00
27.15	3.35	0.67	0.00	29.75	3.35	0.67	0.00
27.20	3.35	0.67	0.00	29.80	3.35	0.67	0.00
27.25	3.35	0.67	0.00	29.85	3.35	0.67	0.00
27.30	3.35	0.67	0.00	29.90	3.35	0.67	0.00
27.35	3.35	0.67	0.00	29.95	3.35	0.67	0.00
27.40	3.35	0.67	0.00	30.00	3.35	0.67	0.00
27.45	3.35	0.67	0.00	30.05	3.35	0.67	0.00
27.50	3.35	0.67	0.00	30.10	3.35	0.67	0.00
27.55	3.35	0.67	0.00	30.15	3.35	0.67	0.00
27.60	3.35	0.67	0.00	30.20	3.35	0.67	0.00
27.65	3.35	0.67	0.00	30.25	3.35	0.67	0.00
27.70	3.35	0.67	0.00	30.30	3.35	0.67	0.00
27.75	3.35	0.67	0.00	30.35	3.35	0.67	0.00
27.80	3.35	0.67	0.00	30.40	3.35	0.67	0.00
27.85	3.35	0.67	0.00	30.45	3.35	0.67	0.00
27.90	3.35	0.67	0.00	30.50	3.35	0.67	0.00
27.95	3.35	0.67	0.00	30.55	3.35	0.67	0.00
28.00	3.35	0.67	0.00	30.60	3.35	0.67	0.00
28.05	3.35	0.67	0.00	30.65	3.35	0.67	0.00
28.10	3.35	0.67	0.00	30.70	3.35	0.67	0.00
28.15	3.35	0.67	0.00	30.75	3.35	0.67	0.00
28.20	3.35	0.67	0.00	30.80	3.35	0.67	0.00
28.25	3.35	0.67	0.00	30.85	3.35	0.67	0.00
28.30	3.35	0.67	0.00	30.90	3.35	0.67	0.00
28.35	3.35	0.67	0.00	30.95	3.35	0.67	0.00
28.40	3.35	0.67	0.00	31.00	3.35	0.67	0.00
28.45	3.35	0.67	0.00	31.05	3.35	0.67	0.00
28.50	3.35	0.67	0.00	31.10	3.35	0.67	0.00
28.55	3.35	0.67	0.00	31.15	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.67	0.00	33.80	3.35	0.67	0.00
31.25	3.35	0.67	0.00	33.85	3.35	0.67	0.00
31.30	3.35	0.67	0.00	33.90	3.35	0.67	0.00
31.35	3.35	0.67	0.00	33.95	3.35	0.67	0.00
31.40	3.35	0.67	0.00	34.00	3.35	0.67	0.00
31.45	3.35	0.67	0.00	34.05	3.35	0.67	0.00
31.50	3.35	0.67	0.00	34.10	3.35	0.67	0.00
31.55	3.35	0.67	0.00	34.15	3.35	0.67	0.00
31.60	3.35	0.67	0.00	34.20	3.35	0.67	0.00
31.65	3.35	0.67	0.00	34.25	3.35	0.67	0.00
31.70	3.35	0.67	0.00	34.30	3.35	0.67	0.00
31.75	3.35	0.67	0.00	34.35	3.35	0.67	0.00
31.80	3.35	0.67	0.00	34.40	3.35	0.67	0.00
31.85	3.35	0.67	0.00	34.45	3.35	0.67	0.00
31.90	3.35	0.67	0.00	34.50	3.35	0.67	0.00
31.95	3.35	0.67	0.00	34.55	3.35	0.67	0.00
32.00	3.35	0.67	0.00	34.60	3.35	0.67	0.00
32.05	3.35	0.67	0.00	34.65	3.35	0.67	0.00
32.10	3.35	0.67	0.00	34.70	3.35	0.67	0.00
32.15	3.35	0.67	0.00	34.75	3.35	0.67	0.00
32.20	3.35	0.67	0.00	34.80	3.35	0.67	0.00
32.25	3.35	0.67	0.00	34.85	3.35	0.67	0.00
32.30	3.35	0.67	0.00	34.90	3.35	0.67	0.00
32.35	3.35	0.67	0.00	34.95	3.35	0.67	0.00
32.40	3.35	0.67	0.00	35.00	3.35	0.67	0.00
32.45	3.35	0.67	0.00	35.05	3.35	0.67	0.00
32.50	3.35	0.67	0.00	35.10	3.35	0.67	0.00
32.55	3.35	0.67	0.00	35.15	3.35	0.67	0.00
32.60	3.35	0.67	0.00	35.20	3.35	0.67	0.00
32.65	3.35	0.67	0.00	35.25	3.35	0.67	0.00
32.70	3.35	0.67	0.00	35.30	3.35	0.67	0.00
32.75	3.35	0.67	0.00	35.35	3.35	0.67	0.00
32.80	3.35	0.67	0.00	35.40	3.35	0.67	0.00
32.85	3.35	0.67	0.00	35.45	3.35	0.67	0.00
32.90	3.35	0.67	0.00	35.50	3.35	0.67	0.00
32.95	3.35	0.67	0.00	35.55	3.35	0.67	0.00
33.00	3.35	0.67	0.00	35.60	3.35	0.67	0.00
33.05	3.35	0.67	0.00	35.65	3.35	0.67	0.00
33.10	3.35	0.67	0.00	35.70	3.35	0.67	0.00
33.15	3.35	0.67	0.00	35.75	3.35	0.67	0.00
33.20	3.35	0.67	0.00	35.80	3.35	0.67	0.00
33.25	3.35	0.67	0.00	35.85	3.35	0.67	0.00
33.30	3.35	0.67	0.00	35.90	3.35	0.67	0.00
33.35	3.35	0.67	0.00	35.95	3.35	0.67	0.00
33.40	3.35	0.67	0.00	36.00	3.35	0.67	0.00
33.45	3.35	0.67	0.00	36.05	3.35	0.67	0.00
33.50	3.35	0.67	0.00	36.10	3.35	0.67	0.00
33.55	3.35	0.67	0.00	36.15	3.35	0.67	0.00
33.60	3.35	0.67	0.00	36.20	3.35	0.67	0.00
33.65	3.35	0.67	0.00	36.25	3.35	0.67	0.00
33.70	3.35	0.67	0.00	36.30	3.35	0.67	0.00
33.75	3.35	0.67	0.00	36.35	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.67	0.00
36.45	3.35	0.67	0.00
36.50	3.35	0.67	0.00
36.55	3.35	0.67	0.00
36.60	3.35	0.67	0.00
36.65	3.35	0.67	0.00
36.70	3.35	0.67	0.00
36.75	3.35	0.67	0.00
36.80	3.35	0.67	0.00
36.85	3.35	0.67	0.00
36.90	3.35	0.67	0.00
36.95	3.35	0.67	0.00
37.00	3.35	0.67	0.00
37.05	3.35	0.67	0.00
37.10	3.35	0.67	0.00
37.15	3.35	0.67	0.00
37.20	3.35	0.67	0.00
37.25	3.35	0.67	0.00
37.30	3.35	0.67	0.00
37.35	3.35	0.67	0.00
37.40	3.35	0.67	0.00
37.45	3.35	0.67	0.00
37.50	3.35	0.67	0.00
37.55	3.35	0.67	0.00
37.60	3.35	0.67	0.00
37.65	3.35	0.67	0.00
37.70	3.35	0.67	0.00
37.75	3.35	0.67	0.00
37.80	3.35	0.67	0.00
37.85	3.35	0.67	0.00
37.90	3.35	0.67	0.00
37.95	3.35	0.67	0.00
38.00	3.35	0.67	0.00
38.05	3.35	0.67	0.00
38.10	3.35	0.67	0.00
38.15	3.35	0.67	0.00
38.20	3.35	0.67	0.00
38.25	3.35	0.67	0.00
38.30	3.35	0.67	0.00
38.35	3.35	0.67	0.00
38.40	3.35	0.67	0.00
38.45	3.35	0.67	0.00
38.50	3.35	0.67	0.00
38.55	3.35	0.67	0.00
38.60	3.35	0.67	0.00
38.65	3.35	0.67	0.00
38.70	3.35	0.67	0.00
38.75	3.35	0.67	0.00
38.80	3.35	0.67	0.00
38.85	3.35	0.67	0.00
38.90	3.35	0.67	0.00
38.95	3.35	0.67	0.00
39.00	3.35	0.67	0.00
39.05	3.35	0.67	0.00
39.10	3.35	0.67	0.00
39.15	3.35	0.67	0.00
39.20	3.35	0.67	0.00
39.25	3.35	0.67	0.00
39.30	3.35	0.67	0.00
39.35	3.35	0.67	0.00
39.40	3.35	0.67	0.00
39.45	3.35	0.67	0.00
39.50	3.35	0.67	0.00
39.55	3.35	0.67	0.00
39.60	3.35	0.67	0.00
39.65	3.35	0.67	0.00
39.70	3.35	0.67	0.00
39.75	3.35	0.67	0.00
39.80	3.35	0.67	0.00
39.85	3.35	0.67	0.00
39.90	3.35	0.67	0.00
39.95	3.35	0.67	0.00
40.00	3.35	0.67	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 1.35" for Current 2 yr event
Inflow = 2.14 cfs @ 12.10 hrs, Volume= 0.313 af
Outflow = 0.14 cfs @ 17.72 hrs, Volume= 0.252 af, Atten= 94%, Lag= 337.0 min
Primary = 0.14 cfs @ 17.72 hrs, Volume= 0.252 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.82' @ 17.72 hrs Surf.Area= 10,959 sf Storage= 8,626 cf

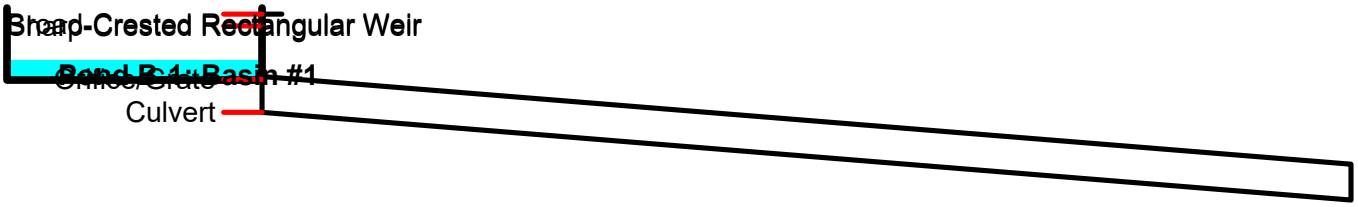
Plug-Flow detention time= 674.3 min calculated for 0.252 af (81% of inflow)
Center-of-Mass det. time= 587.4 min (1,481.5 - 894.1)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

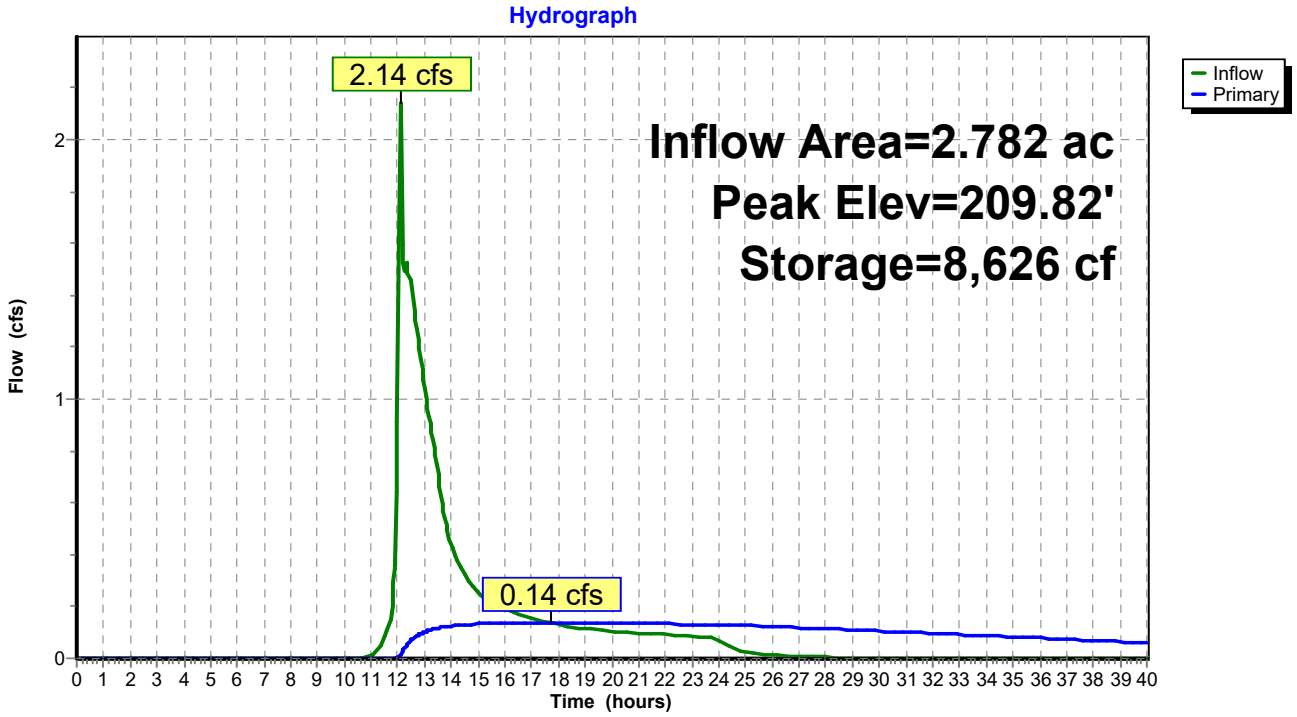
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.14 cfs @ 17.72 hrs HW=209.82' (Free Discharge)
- **1=Culvert** (Passes 0.14 cfs of 10.12 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.14 cfs @ 4.00 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	0	209.00	0.00
1.50	0.00	0	209.00	0.00
1.60	0.00	0	209.00	0.00
1.70	0.00	0	209.00	0.00
1.80	0.00	0	209.00	0.00
1.90	0.00	0	209.00	0.00
2.00	0.00	0	209.00	0.00
2.10	0.00	0	209.00	0.00
2.20	0.00	0	209.00	0.00
2.30	0.00	0	209.00	0.00
2.40	0.00	0	209.00	0.00
2.50	0.00	0	209.00	0.00
2.60	0.00	0	209.00	0.00
2.70	0.00	0	209.00	0.00
2.80	0.00	0	209.00	0.00
2.90	0.00	0	209.00	0.00
3.00	0.00	0	209.00	0.00
3.10	0.00	0	209.00	0.00
3.20	0.00	0	209.00	0.00
3.30	0.00	0	209.00	0.00
3.40	0.00	0	209.00	0.00
3.50	0.00	0	209.00	0.00
3.60	0.00	0	209.00	0.00
3.70	0.00	0	209.00	0.00
3.80	0.00	0	209.00	0.00
3.90	0.00	0	209.00	0.00
4.00	0.00	0	209.00	0.00
4.10	0.00	0	209.00	0.00
4.20	0.00	0	209.00	0.00
4.30	0.00	0	209.00	0.00
4.40	0.00	0	209.00	0.00
4.50	0.00	0	209.00	0.00
4.60	0.00	0	209.00	0.00
4.70	0.00	0	209.00	0.00
4.80	0.00	0	209.00	0.00
4.90	0.00	0	209.00	0.00
5.00	0.00	0	209.00	0.00
5.10	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	209.00	0.00
5.30	0.00	0	209.00	0.00
5.40	0.00	0	209.00	0.00
5.50	0.00	0	209.00	0.00
5.60	0.00	0	209.00	0.00
5.70	0.00	0	209.00	0.00
5.80	0.00	0	209.00	0.00
5.90	0.00	0	209.00	0.00
6.00	0.00	0	209.00	0.00
6.10	0.00	0	209.00	0.00
6.20	0.00	0	209.00	0.00
6.30	0.00	0	209.00	0.00
6.40	0.00	0	209.00	0.00
6.50	0.00	0	209.00	0.00
6.60	0.00	0	209.00	0.00
6.70	0.00	0	209.00	0.00
6.80	0.00	0	209.00	0.00
6.90	0.00	0	209.00	0.00
7.00	0.00	0	209.00	0.00
7.10	0.00	0	209.00	0.00
7.20	0.00	0	209.00	0.00
7.30	0.00	0	209.00	0.00
7.40	0.00	0	209.00	0.00
7.50	0.00	0	209.00	0.00
7.60	0.00	0	209.00	0.00
7.70	0.00	0	209.00	0.00
7.80	0.00	0	209.00	0.00
7.90	0.00	0	209.00	0.00
8.00	0.00	0	209.00	0.00
8.10	0.00	0	209.00	0.00
8.20	0.00	0	209.00	0.00
8.30	0.00	0	209.00	0.00
8.40	0.00	0	209.00	0.00
8.50	0.00	0	209.00	0.00
8.60	0.00	0	209.00	0.00
8.70	0.00	0	209.00	0.00
8.80	0.00	0	209.00	0.00
8.90	0.00	0	209.00	0.00
9.00	0.00	0	209.00	0.00
9.10	0.00	0	209.00	0.00
9.20	0.00	0	209.00	0.00
9.30	0.00	0	209.00	0.00
9.40	0.00	0	209.00	0.00
9.50	0.00	0	209.00	0.00
9.60	0.00	0	209.00	0.00
9.70	0.00	0	209.00	0.00
9.80	0.00	0	209.00	0.00
9.90	0.00	0	209.00	0.00
10.00	0.00	0	209.00	0.00
10.10	0.00	0	209.00	0.00
10.20	0.00	0	209.00	0.00
10.30	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	0	209.00	0.00
10.50	0.00	0	209.00	0.00
10.60	0.00	0	209.00	0.00
10.70	0.00	0	209.00	0.00
10.80	0.00	2	209.00	0.00
10.90	0.01	4	209.00	0.00
11.00	0.01	8	209.00	0.00
11.10	0.02	13	209.00	0.00
11.20	0.03	21	209.00	0.00
11.30	0.03	32	209.00	0.00
11.40	0.04	46	209.00	0.00
11.50	0.06	64	209.01	0.00
11.60	0.10	93	209.01	0.00
11.70	0.13	134	209.01	0.00
11.80	0.21	196	209.02	0.00
11.90	0.35	298	209.03	0.00
12.00	0.91	526	209.05	0.00
12.10	**2.14**	1,092	209.11	0.01
12.20	1.52	1,701	209.17	0.03
12.30	1.53	2,229	209.22	0.05
12.40	1.49	2,748	209.27	0.06
12.50	1.48	3,258	209.32	0.07
12.60	1.34	3,734	209.36	0.08
12.70	1.27	4,174	209.40	0.09
12.80	1.20	4,586	209.44	0.09
12.90	1.12	4,967	209.48	0.10
13.00	1.04	5,319	209.51	0.10
13.10	0.97	5,642	209.54	0.11
13.20	0.90	5,940	209.57	0.11
13.30	0.84	6,213	209.59	0.11
13.40	0.79	6,465	209.62	0.12
13.50	0.71	6,693	209.64	0.12
13.60	0.63	6,890	209.66	0.12
13.70	0.57	7,061	209.67	0.12
13.80	0.51	7,211	209.69	0.12
13.90	0.47	7,344	209.70	0.12
14.00	0.43	7,462	209.71	0.13
14.10	0.41	7,567	209.72	0.13
14.20	0.38	7,663	209.73	0.13
14.30	0.36	7,751	209.74	0.13
14.40	0.34	7,831	209.74	0.13
14.50	0.32	7,903	209.75	0.13
14.60	0.31	7,970	209.76	0.13
14.70	0.29	8,030	209.76	0.13
14.80	0.28	8,086	209.77	0.13
14.90	0.27	8,136	209.77	0.13
15.00	0.25	8,182	209.78	0.13
15.10	0.24	8,224	209.78	0.13
15.20	0.24	8,262	209.78	0.13
15.30	0.23	8,298	209.79	0.13
15.40	0.22	8,330	209.79	0.13
15.50	0.21	8,360	209.79	0.13

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	8,387	209.79	0.13
15.70	0.20	8,413	209.80	0.13
15.80	0.20	8,436	209.80	0.13
15.90	0.19	8,458	209.80	0.13
16.00	0.19	8,478	209.80	0.14
16.10	0.18	8,496	209.80	0.14
16.20	0.18	8,513	209.81	0.14
16.30	0.18	8,528	209.81	0.14
16.40	0.17	8,543	209.81	0.14
16.50	0.17	8,556	209.81	0.14
16.60	0.17	8,567	209.81	0.14
16.70	0.16	8,578	209.81	0.14
16.80	0.16	8,587	209.81	0.14
16.90	0.16	8,596	209.81	0.14
17.00	0.16	8,603	209.81	0.14
17.10	0.15	8,609	209.81	0.14
17.20	0.15	8,614	209.81	0.14
17.30	0.15	8,619	209.82	0.14
17.40	0.14	8,622	209.82	0.14
17.50	0.14	8,624	209.82	0.14
17.60	0.14	8,625	209.82	0.14
17.70	0.14	**8,626**	**209.82**	**0.14**
17.80	0.13	8,626	209.82	0.14
17.90	0.13	8,624	209.82	0.14
18.00	0.13	8,622	209.82	0.14
18.10	0.13	8,619	209.82	0.14
18.20	0.13	8,616	209.81	0.14
18.30	0.12	8,612	209.81	0.14
18.40	0.12	8,607	209.81	0.14
18.50	0.12	8,601	209.81	0.14
18.60	0.12	8,595	209.81	0.14
18.70	0.12	8,589	209.81	0.14
18.80	0.12	8,582	209.81	0.14
18.90	0.12	8,574	209.81	0.14
19.00	0.11	8,567	209.81	0.14
19.10	0.11	8,559	209.81	0.14
19.20	0.11	8,550	209.81	0.14
19.30	0.11	8,541	209.81	0.14
19.40	0.11	8,532	209.81	0.14
19.50	0.11	8,523	209.81	0.14
19.60	0.11	8,513	209.81	0.14
19.70	0.11	8,503	209.80	0.14
19.80	0.11	8,493	209.80	0.14
19.90	0.11	8,482	209.80	0.14
20.00	0.10	8,471	209.80	0.14
20.10	0.10	8,460	209.80	0.13
20.20	0.10	8,449	209.80	0.13
20.30	0.10	8,438	209.80	0.13
20.40	0.10	8,426	209.80	0.13
20.50	0.10	8,414	209.80	0.13
20.60	0.10	8,402	209.80	0.13
20.70	0.10	8,389	209.79	0.13

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	8,377	209.79	0.13
20.90	0.10	8,364	209.79	0.13
21.00	0.10	8,351	209.79	0.13
21.10	0.10	8,338	209.79	0.13
21.20	0.10	8,324	209.79	0.13
21.30	0.10	8,311	209.79	0.13
21.40	0.09	8,297	209.79	0.13
21.50	0.09	8,283	209.78	0.13
21.60	0.09	8,268	209.78	0.13
21.70	0.09	8,254	209.78	0.13
21.80	0.09	8,239	209.78	0.13
21.90	0.09	8,225	209.78	0.13
22.00	0.09	8,210	209.78	0.13
22.10	0.09	8,194	209.78	0.13
22.20	0.09	8,179	209.78	0.13
22.30	0.09	8,164	209.77	0.13
22.40	0.09	8,148	209.77	0.13
22.50	0.09	8,132	209.77	0.13
22.60	0.09	8,116	209.77	0.13
22.70	0.09	8,099	209.77	0.13
22.80	0.09	8,083	209.77	0.13
22.90	0.08	8,066	209.76	0.13
23.00	0.08	8,049	209.76	0.13
23.10	0.08	8,032	209.76	0.13
23.20	0.08	8,015	209.76	0.13
23.30	0.08	7,998	209.76	0.13
23.40	0.08	7,980	209.76	0.13
23.50	0.08	7,962	209.76	0.13
23.60	0.08	7,944	209.75	0.13
23.70	0.08	7,926	209.75	0.13
23.80	0.08	7,908	209.75	0.13
23.90	0.08	7,889	209.75	0.13
24.00	0.08	7,872	209.75	0.13
24.10	0.06	7,849	209.74	0.13
24.20	0.05	7,821	209.74	0.13
24.30	0.05	7,793	209.74	0.13
24.40	0.04	7,762	209.74	0.13
24.50	0.04	7,730	209.73	0.13
24.60	0.03	7,697	209.73	0.13
24.70	0.03	7,662	209.73	0.13
24.80	0.03	7,626	209.72	0.13
24.90	0.02	7,590	209.72	0.13
25.00	0.02	7,553	209.72	0.13
25.10	0.02	7,516	209.71	0.13
25.20	0.02	7,478	209.71	0.13
25.30	0.02	7,440	209.71	0.13
25.40	0.02	7,402	209.70	0.12
25.50	0.02	7,363	209.70	0.12
25.60	0.02	7,325	209.70	0.12
25.70	0.02	7,286	209.69	0.12
25.80	0.01	7,246	209.69	0.12
25.90	0.01	7,207	209.69	0.12

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.01	7,167	209.68	0.12
26.10	0.01	7,128	209.68	0.12
26.20	0.01	7,088	209.67	0.12
26.30	0.01	7,048	209.67	0.12
26.40	0.01	7,008	209.67	0.12
26.50	0.01	6,968	209.66	0.12
26.60	0.01	6,928	209.66	0.12
26.70	0.01	6,888	209.66	0.12
26.80	0.01	6,848	209.65	0.12
26.90	0.01	6,807	209.65	0.12
27.00	0.01	6,767	209.64	0.12
27.10	0.01	6,727	209.64	0.12
27.20	0.01	6,687	209.64	0.12
27.30	0.01	6,647	209.63	0.12
27.40	0.01	6,606	209.63	0.12
27.50	0.00	6,566	209.63	0.12
27.60	0.00	6,526	209.62	0.12
27.70	0.00	6,486	209.62	0.12
27.80	0.00	6,446	209.62	0.12
27.90	0.00	6,406	209.61	0.11
28.00	0.00	6,367	209.61	0.11
28.10	0.00	6,327	209.60	0.11
28.20	0.00	6,287	209.60	0.11
28.30	0.00	6,248	209.60	0.11
28.40	0.00	6,208	209.59	0.11
28.50	0.00	6,169	209.59	0.11
28.60	0.00	6,129	209.59	0.11
28.70	0.00	6,090	209.58	0.11
28.80	0.00	6,051	209.58	0.11
28.90	0.00	6,012	209.57	0.11
29.00	0.00	5,973	209.57	0.11
29.10	0.00	5,935	209.57	0.11
29.20	0.00	5,896	209.56	0.11
29.30	0.00	5,857	209.56	0.11
29.40	0.00	5,819	209.56	0.11
29.50	0.00	5,781	209.55	0.11
29.60	0.00	5,743	209.55	0.11
29.70	0.00	5,705	209.55	0.11
29.80	0.00	5,667	209.54	0.11
29.90	0.00	5,629	209.54	0.11
30.00	0.00	5,592	209.54	0.11
30.10	0.00	5,554	209.53	0.10
30.20	0.00	5,517	209.53	0.10
30.30	0.00	5,480	209.53	0.10
30.40	0.00	5,443	209.52	0.10
30.50	0.00	5,406	209.52	0.10
30.60	0.00	5,369	209.51	0.10
30.70	0.00	5,332	209.51	0.10
30.80	0.00	5,296	209.51	0.10
30.90	0.00	5,260	209.50	0.10
31.00	0.00	5,223	209.50	0.10
31.10	0.00	5,187	209.50	0.10

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,152	209.49	0.10
31.30	0.00	5,116	209.49	0.10
31.40	0.00	5,080	209.49	0.10
31.50	0.00	5,045	209.48	0.10
31.60	0.00	5,010	209.48	0.10
31.70	0.00	4,975	209.48	0.10
31.80	0.00	4,940	209.47	0.10
31.90	0.00	4,905	209.47	0.10
32.00	0.00	4,870	209.47	0.10
32.10	0.00	4,836	209.46	0.10
32.20	0.00	4,802	209.46	0.10
32.30	0.00	4,768	209.46	0.09
32.40	0.00	4,734	209.46	0.09
32.50	0.00	4,700	209.45	0.09
32.60	0.00	4,666	209.45	0.09
32.70	0.00	4,633	209.45	0.09
32.80	0.00	4,599	209.44	0.09
32.90	0.00	4,566	209.44	0.09
33.00	0.00	4,533	209.44	0.09
33.10	0.00	4,500	209.43	0.09
33.20	0.00	4,467	209.43	0.09
33.30	0.00	4,435	209.43	0.09
33.40	0.00	4,403	209.42	0.09
33.50	0.00	4,370	209.42	0.09
33.60	0.00	4,338	209.42	0.09
33.70	0.00	4,306	209.41	0.09
33.80	0.00	4,275	209.41	0.09
33.90	0.00	4,243	209.41	0.09
34.00	0.00	4,212	209.41	0.09
34.10	0.00	4,181	209.40	0.09
34.20	0.00	4,149	209.40	0.09
34.30	0.00	4,119	209.40	0.09
34.40	0.00	4,088	209.39	0.09
34.50	0.00	4,057	209.39	0.08
34.60	0.00	4,027	209.39	0.08
34.70	0.00	3,997	209.39	0.08
34.80	0.00	3,966	209.38	0.08
34.90	0.00	3,936	209.38	0.08
35.00	0.00	3,907	209.38	0.08
35.10	0.00	3,877	209.37	0.08
35.20	0.00	3,848	209.37	0.08
35.30	0.00	3,818	209.37	0.08
35.40	0.00	3,789	209.37	0.08
35.50	0.00	3,760	209.36	0.08
35.60	0.00	3,732	209.36	0.08
35.70	0.00	3,703	209.36	0.08
35.80	0.00	3,675	209.35	0.08
35.90	0.00	3,646	209.35	0.08
36.00	0.00	3,618	209.35	0.08
36.10	0.00	3,590	209.35	0.08
36.20	0.00	3,562	209.34	0.08
36.30	0.00	3,535	209.34	0.08

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,507	209.34	0.08
36.50	0.00	3,480	209.34	0.08
36.60	0.00	3,453	209.33	0.08
36.70	0.00	3,426	209.33	0.07
36.80	0.00	3,399	209.33	0.07
36.90	0.00	3,373	209.33	0.07
37.00	0.00	3,346	209.32	0.07
37.10	0.00	3,320	209.32	0.07
37.20	0.00	3,294	209.32	0.07
37.30	0.00	3,268	209.32	0.07
37.40	0.00	3,242	209.31	0.07
37.50	0.00	3,216	209.31	0.07
37.60	0.00	3,191	209.31	0.07
37.70	0.00	3,166	209.31	0.07
37.80	0.00	3,141	209.30	0.07
37.90	0.00	3,116	209.30	0.07
38.00	0.00	3,091	209.30	0.07
38.10	0.00	3,066	209.30	0.07
38.20	0.00	3,042	209.29	0.07
38.30	0.00	3,017	209.29	0.07
38.40	0.00	2,993	209.29	0.07
38.50	0.00	2,969	209.29	0.07
38.60	0.00	2,946	209.29	0.07
38.70	0.00	2,922	209.28	0.07
38.80	0.00	2,898	209.28	0.06
38.90	0.00	2,875	209.28	0.06
39.00	0.00	2,852	209.28	0.06
39.10	0.00	2,829	209.27	0.06
39.20	0.00	2,806	209.27	0.06
39.30	0.00	2,784	209.27	0.06
39.40	0.00	2,761	209.27	0.06
39.50	0.00	2,739	209.27	0.06
39.60	0.00	2,717	209.26	0.06
39.70	0.00	2,695	209.26	0.06
39.80	0.00	2,673	209.26	0.06
39.90	0.00	2,652	209.26	0.06
40.00	0.00	2,630	209.26	0.06

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 2.26" for Current 2 yr event
Inflow = 4.89 cfs @ 12.08 hrs, Volume= 0.315 af
Outflow = 0.13 cfs @ 15.19 hrs, Volume= 0.207 af, Atten= 97%, Lag= 186.7 min
Primary = 0.13 cfs @ 15.19 hrs, Volume= 0.207 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.17' @ 15.19 hrs Surf.Area= 8,477 sf Storage= 9,907 cf

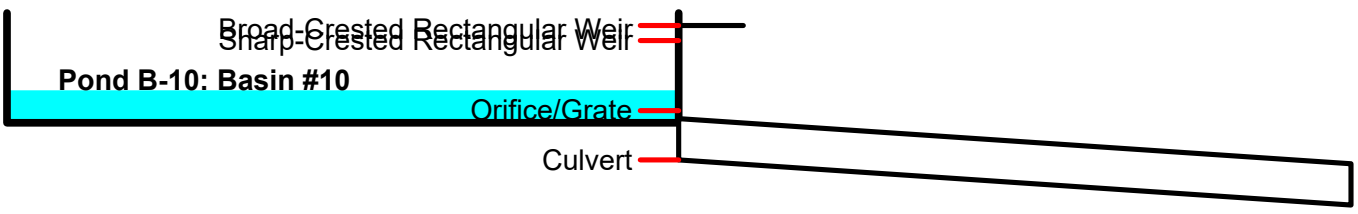
Plug-Flow detention time= 712.3 min calculated for 0.206 af (66% of inflow)
Center-of-Mass det. time= 606.0 min (1,382.2 - 776.2)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

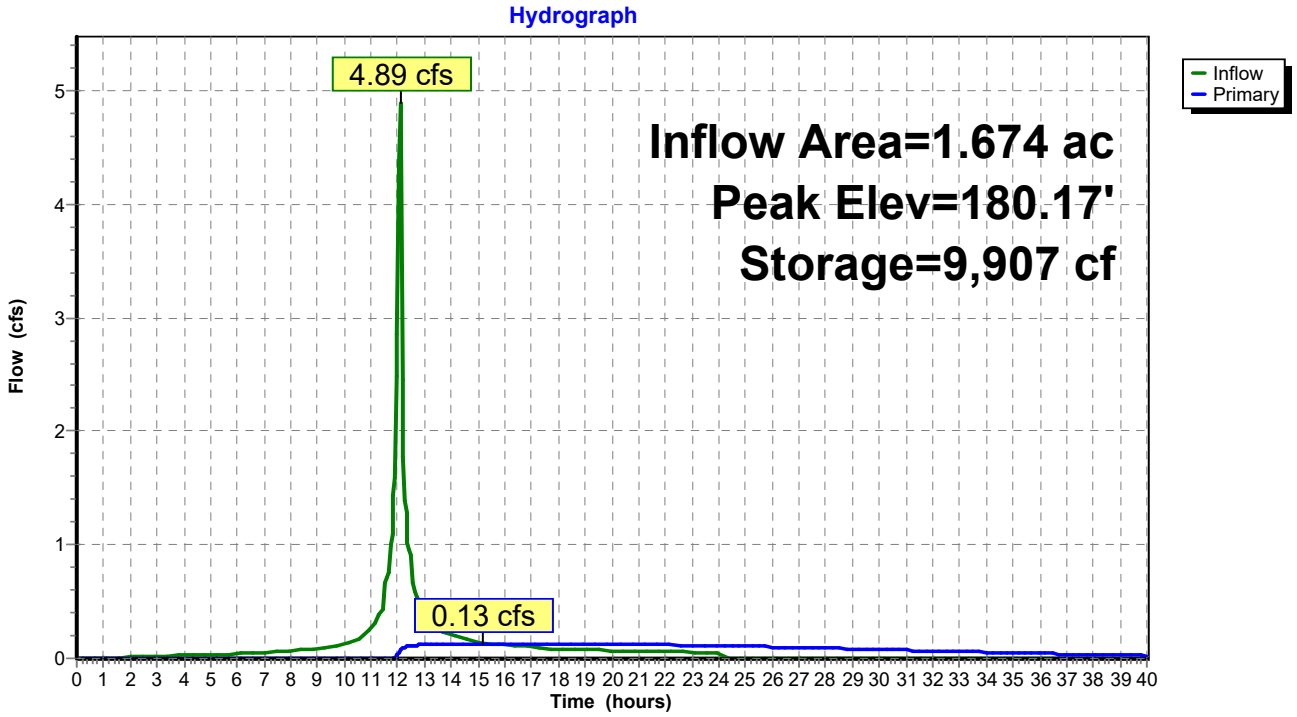
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 15.19 hrs HW=180.17' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 11.32 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.81 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	1	179.00	0.00
1.40	0.00	2	179.00	0.00
1.50	0.00	3	179.00	0.00
1.60	0.01	5	179.00	0.00
1.70	0.01	7	179.00	0.00
1.80	0.01	10	179.00	0.00
1.90	0.01	13	179.00	0.00
2.00	0.01	16	179.00	0.00
2.10	0.01	20	179.00	0.00
2.20	0.01	25	179.00	0.00
2.30	0.01	29	179.00	0.00
2.40	0.01	34	179.00	0.00
2.50	0.02	40	179.00	0.00
2.60	0.02	45	179.01	0.00
2.70	0.02	51	179.01	0.00
2.80	0.02	58	179.01	0.00
2.90	0.02	64	179.01	0.00
3.00	0.02	71	179.01	0.00
3.10	0.02	78	179.01	0.00
3.20	0.02	86	179.01	0.00
3.30	0.02	94	179.01	0.00
3.40	0.02	102	179.01	0.00
3.50	0.02	110	179.01	0.00
3.60	0.02	119	179.01	0.00
3.70	0.03	128	179.02	0.00
3.80	0.03	137	179.02	0.00
3.90	0.03	147	179.02	0.00
4.00	0.03	157	179.02	0.00
4.10	0.03	167	179.02	0.00
4.20	0.03	177	179.02	0.00
4.30	0.03	187	179.02	0.00
4.40	0.03	198	179.02	0.00
4.50	0.03	209	179.02	0.00
4.60	0.03	220	179.03	0.00
4.70	0.03	232	179.03	0.00
4.80	0.03	244	179.03	0.00
4.90	0.03	256	179.03	0.00
5.00	0.03	268	179.03	0.00
5.10	0.03	280	179.03	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	293	179.03	0.00
5.30	0.04	305	179.04	0.00
5.40	0.04	318	179.04	0.00
5.50	0.04	332	179.04	0.00
5.60	0.04	345	179.04	0.00
5.70	0.04	359	179.04	0.00
5.80	0.04	373	179.04	0.00
5.90	0.04	387	179.05	0.00
6.00	0.04	401	179.05	0.00
6.10	0.04	416	179.05	0.00
6.20	0.04	431	179.05	0.00
6.30	0.04	446	179.05	0.00
6.40	0.05	462	179.05	0.00
6.50	0.05	479	179.06	0.00
6.60	0.05	496	179.06	0.00
6.70	0.05	513	179.06	0.00
6.80	0.05	531	179.06	0.00
6.90	0.05	550	179.06	0.00
7.00	0.05	569	179.07	0.00
7.10	0.05	588	179.07	0.00
7.20	0.06	608	179.07	0.00
7.30	0.06	628	179.07	0.00
7.40	0.06	649	179.08	0.00
7.50	0.06	671	179.08	0.00
7.60	0.06	693	179.08	0.00
7.70	0.06	715	179.08	0.00
7.80	0.06	738	179.09	0.00
7.90	0.07	761	179.09	0.00
8.00	0.07	785	179.09	0.00
8.10	0.07	810	179.10	0.00
8.20	0.07	835	179.10	0.00
8.30	0.07	860	179.10	0.00
8.40	0.07	886	179.10	0.00
8.50	0.07	912	179.11	0.00
8.60	0.08	939	179.11	0.00
8.70	0.08	967	179.11	0.00
8.80	0.08	995	179.12	0.00
8.90	0.08	1,023	179.12	0.00
9.00	0.08	1,052	179.12	0.00
9.10	0.09	1,082	179.13	0.00
9.20	0.09	1,114	179.13	0.00
9.30	0.10	1,148	179.14	0.00
9.40	0.10	1,183	179.14	0.00
9.50	0.10	1,220	179.14	0.00
9.60	0.11	1,259	179.15	0.00
9.70	0.11	1,299	179.15	0.00
9.80	0.12	1,341	179.16	0.00
9.90	0.12	1,385	179.16	0.00
10.00	0.13	1,431	179.17	0.00
10.10	0.13	1,478	179.17	0.00
10.20	0.14	1,527	179.18	0.00
10.30	0.14	1,578	179.19	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,631	179.19	0.00
10.50	0.15	1,685	179.20	0.00
10.60	0.17	1,744	179.21	0.00
10.70	0.19	1,811	179.21	0.00
10.80	0.21	1,884	179.22	0.00
10.90	0.23	1,964	179.23	0.00
11.00	0.25	2,052	179.24	0.00
11.10	0.29	2,152	179.25	0.00
11.20	0.33	2,266	179.27	0.00
11.30	0.37	2,395	179.28	0.00
11.40	0.41	2,538	179.30	0.00
11.50	0.46	2,696	179.32	0.00
11.60	0.71	2,920	179.34	0.00
11.70	0.78	3,188	179.38	0.00
11.80	1.09	3,538	179.42	0.00
11.90	1.60	4,038	179.48	0.00
12.00	2.86	4,882	179.58	0.03
12.10	**4.72**	6,330	179.75	0.07
12.20	1.78	7,325	179.86	0.09
12.30	1.28	7,816	179.92	0.10
12.40	0.95	8,163	179.96	0.11
12.50	0.89	8,454	180.00	0.11
12.60	0.59	8,667	180.02	0.11
12.70	0.55	8,829	180.04	0.12
12.80	0.51	8,976	180.06	0.12
12.90	0.46	9,104	180.07	0.12
13.00	0.41	9,215	180.09	0.12
13.10	0.36	9,309	180.10	0.12
13.20	0.34	9,389	180.11	0.12
13.30	0.31	9,461	180.12	0.12
13.40	0.29	9,522	180.12	0.12
13.50	0.26	9,574	180.13	0.13
13.60	0.23	9,616	180.13	0.13
13.70	0.23	9,653	180.14	0.13
13.80	0.22	9,688	180.14	0.13
13.90	0.21	9,720	180.15	0.13
14.00	0.21	9,750	180.15	0.13
14.10	0.20	9,777	180.15	0.13
14.20	0.19	9,801	180.16	0.13
14.30	0.19	9,823	180.16	0.13
14.40	0.18	9,842	180.16	0.13
14.50	0.17	9,859	180.16	0.13
14.60	0.17	9,873	180.16	0.13
14.70	0.16	9,885	180.17	0.13
14.80	0.15	9,894	180.17	0.13
14.90	0.15	9,901	180.17	0.13
15.00	0.14	9,905	180.17	0.13
15.10	0.13	9,907	180.17	0.13
15.20	0.13	**9,907**	**180.17**	**0.13**
15.30	0.13	9,907	180.17	0.13
15.40	0.13	9,906	180.17	0.13
15.50	0.12	9,904	180.17	0.13

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.12	9,902	180.17	0.13
15.70	0.12	9,899	180.17	0.13
15.80	0.12	9,895	180.17	0.13
15.90	0.12	9,891	180.17	0.13
16.00	0.12	9,886	180.17	0.13
16.10	0.11	9,881	180.17	0.13
16.20	0.11	9,875	180.16	0.13
16.30	0.11	9,868	180.16	0.13
16.40	0.11	9,861	180.16	0.13
16.50	0.11	9,853	180.16	0.13
16.60	0.10	9,845	180.16	0.13
16.70	0.10	9,836	180.16	0.13
16.80	0.10	9,826	180.16	0.13
16.90	0.10	9,815	180.16	0.13
17.00	0.10	9,804	180.16	0.13
17.10	0.10	9,793	180.16	0.13
17.20	0.09	9,781	180.15	0.13
17.30	0.09	9,768	180.15	0.13
17.40	0.09	9,754	180.15	0.13
17.50	0.09	9,740	180.15	0.13
17.60	0.09	9,725	180.15	0.13
17.70	0.08	9,710	180.15	0.13
17.80	0.08	9,694	180.14	0.13
17.90	0.08	9,678	180.14	0.13
18.00	0.08	9,661	180.14	0.13
18.10	0.08	9,643	180.14	0.13
18.20	0.08	9,625	180.14	0.13
18.30	0.08	9,607	180.13	0.13
18.40	0.08	9,589	180.13	0.13
18.50	0.08	9,571	180.13	0.13
18.60	0.07	9,553	180.13	0.13
18.70	0.07	9,534	180.12	0.13
18.80	0.07	9,516	180.12	0.12
18.90	0.07	9,498	180.12	0.12
19.00	0.07	9,479	180.12	0.12
19.10	0.07	9,460	180.12	0.12
19.20	0.07	9,442	180.11	0.12
19.30	0.07	9,423	180.11	0.12
19.40	0.07	9,404	180.11	0.12
19.50	0.07	9,385	180.11	0.12
19.60	0.07	9,366	180.10	0.12
19.70	0.07	9,347	180.10	0.12
19.80	0.07	9,328	180.10	0.12
19.90	0.07	9,309	180.10	0.12
20.00	0.07	9,289	180.10	0.12
20.10	0.07	9,270	180.09	0.12
20.20	0.07	9,250	180.09	0.12
20.30	0.07	9,231	180.09	0.12
20.40	0.07	9,211	180.09	0.12
20.50	0.07	9,192	180.08	0.12
20.60	0.07	9,172	180.08	0.12
20.70	0.06	9,152	180.08	0.12

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	9,132	180.08	0.12
20.90	0.06	9,112	180.07	0.12
21.00	0.06	9,092	180.07	0.12
21.10	0.06	9,072	180.07	0.12
21.20	0.06	9,052	180.07	0.12
21.30	0.06	9,032	180.07	0.12
21.40	0.06	9,011	180.06	0.12
21.50	0.06	8,991	180.06	0.12
21.60	0.06	8,970	180.06	0.12
21.70	0.06	8,950	180.06	0.12
21.80	0.06	8,929	180.05	0.12
21.90	0.06	8,909	180.05	0.12
22.00	0.06	8,888	180.05	0.12
22.10	0.06	8,867	180.05	0.12
22.20	0.06	8,846	180.04	0.12
22.30	0.06	8,825	180.04	0.12
22.40	0.06	8,804	180.04	0.12
22.50	0.06	8,783	180.04	0.12
22.60	0.06	8,762	180.03	0.11
22.70	0.06	8,741	180.03	0.11
22.80	0.06	8,720	180.03	0.11
22.90	0.05	8,699	180.03	0.11
23.00	0.05	8,677	180.02	0.11
23.10	0.05	8,656	180.02	0.11
23.20	0.05	8,634	180.02	0.11
23.30	0.05	8,613	180.02	0.11
23.40	0.05	8,591	180.01	0.11
23.50	0.05	8,570	180.01	0.11
23.60	0.05	8,548	180.01	0.11
23.70	0.05	8,526	180.01	0.11
23.80	0.05	8,504	180.00	0.11
23.90	0.05	8,482	180.00	0.11
24.00	0.06	8,463	180.00	0.11
24.10	0.00	8,431	179.99	0.11
24.20	0.00	8,392	179.99	0.11
24.30	0.00	8,353	179.99	0.11
24.40	0.00	8,313	179.98	0.11
24.50	0.00	8,274	179.98	0.11
24.60	0.00	8,236	179.97	0.11
24.70	0.00	8,197	179.97	0.11
24.80	0.00	8,159	179.96	0.11
24.90	0.00	8,121	179.96	0.11
25.00	0.00	8,083	179.95	0.10
25.10	0.00	8,045	179.95	0.10
25.20	0.00	8,008	179.94	0.10
25.30	0.00	7,970	179.94	0.10
25.40	0.00	7,933	179.94	0.10
25.50	0.00	7,896	179.93	0.10
25.60	0.00	7,860	179.93	0.10
25.70	0.00	7,823	179.92	0.10
25.80	0.00	7,787	179.92	0.10
25.90	0.00	7,751	179.91	0.10

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,715	179.91	0.10
26.10	0.00	7,680	179.91	0.10
26.20	0.00	7,644	179.90	0.10
26.30	0.00	7,609	179.90	0.10
26.40	0.00	7,574	179.89	0.10
26.50	0.00	7,539	179.89	0.10
26.60	0.00	7,505	179.89	0.10
26.70	0.00	7,470	179.88	0.10
26.80	0.00	7,436	179.88	0.09
26.90	0.00	7,402	179.87	0.09
27.00	0.00	7,368	179.87	0.09
27.10	0.00	7,335	179.87	0.09
27.20	0.00	7,301	179.86	0.09
27.30	0.00	7,268	179.86	0.09
27.40	0.00	7,235	179.85	0.09
27.50	0.00	7,202	179.85	0.09
27.60	0.00	7,170	179.85	0.09
27.70	0.00	7,137	179.84	0.09
27.80	0.00	7,105	179.84	0.09
27.90	0.00	7,073	179.83	0.09
28.00	0.00	7,042	179.83	0.09
28.10	0.00	7,010	179.83	0.09
28.20	0.00	6,979	179.82	0.09
28.30	0.00	6,948	179.82	0.09
28.40	0.00	6,917	179.82	0.09
28.50	0.00	6,886	179.81	0.08
28.60	0.00	6,856	179.81	0.08
28.70	0.00	6,825	179.81	0.08
28.80	0.00	6,795	179.80	0.08
28.90	0.00	6,765	179.80	0.08
29.00	0.00	6,736	179.79	0.08
29.10	0.00	6,706	179.79	0.08
29.20	0.00	6,677	179.79	0.08
29.30	0.00	6,648	179.78	0.08
29.40	0.00	6,619	179.78	0.08
29.50	0.00	6,591	179.78	0.08
29.60	0.00	6,562	179.77	0.08
29.70	0.00	6,534	179.77	0.08
29.80	0.00	6,506	179.77	0.08
29.90	0.00	6,478	179.76	0.08
30.00	0.00	6,451	179.76	0.08
30.10	0.00	6,423	179.76	0.08
30.20	0.00	6,396	179.75	0.08
30.30	0.00	6,369	179.75	0.07
30.40	0.00	6,342	179.75	0.07
30.50	0.00	6,316	179.75	0.07
30.60	0.00	6,289	179.74	0.07
30.70	0.00	6,263	179.74	0.07
30.80	0.00	6,237	179.74	0.07
30.90	0.00	6,212	179.73	0.07
31.00	0.00	6,186	179.73	0.07
31.10	0.00	6,161	179.73	0.07

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,136	179.72	0.07
31.30	0.00	6,111	179.72	0.07
31.40	0.00	6,086	179.72	0.07
31.50	0.00	6,061	179.72	0.07
31.60	0.00	6,037	179.71	0.07
31.70	0.00	6,013	179.71	0.07
31.80	0.00	5,989	179.71	0.07
31.90	0.00	5,965	179.70	0.07
32.00	0.00	5,942	179.70	0.06
32.10	0.00	5,919	179.70	0.06
32.20	0.00	5,896	179.70	0.06
32.30	0.00	5,873	179.69	0.06
32.40	0.00	5,850	179.69	0.06
32.50	0.00	5,828	179.69	0.06
32.60	0.00	5,806	179.68	0.06
32.70	0.00	5,784	179.68	0.06
32.80	0.00	5,762	179.68	0.06
32.90	0.00	5,740	179.68	0.06
33.00	0.00	5,719	179.67	0.06
33.10	0.00	5,697	179.67	0.06
33.20	0.00	5,676	179.67	0.06
33.30	0.00	5,656	179.67	0.06
33.40	0.00	5,635	179.66	0.06
33.50	0.00	5,615	179.66	0.06
33.60	0.00	5,594	179.66	0.06
33.70	0.00	5,574	179.66	0.06
33.80	0.00	5,555	179.66	0.05
33.90	0.00	5,535	179.65	0.05
34.00	0.00	5,516	179.65	0.05
34.10	0.00	5,496	179.65	0.05
34.20	0.00	5,477	179.65	0.05
34.30	0.00	5,458	179.64	0.05
34.40	0.00	5,440	179.64	0.05
34.50	0.00	5,421	179.64	0.05
34.60	0.00	5,403	179.64	0.05
34.70	0.00	5,385	179.64	0.05
34.80	0.00	5,367	179.63	0.05
34.90	0.00	5,350	179.63	0.05
35.00	0.00	5,332	179.63	0.05
35.10	0.00	5,315	179.63	0.05
35.20	0.00	5,299	179.63	0.05
35.30	0.00	5,282	179.62	0.05
35.40	0.00	5,266	179.62	0.05
35.50	0.00	5,250	179.62	0.04
35.60	0.00	5,234	179.62	0.04
35.70	0.00	5,218	179.62	0.04
35.80	0.00	5,202	179.61	0.04
35.90	0.00	5,187	179.61	0.04
36.00	0.00	5,172	179.61	0.04
36.10	0.00	5,157	179.61	0.04
36.20	0.00	5,143	179.61	0.04
36.30	0.00	5,128	179.60	0.04

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,114	179.60	0.04
36.50	0.00	5,100	179.60	0.04
36.60	0.00	5,086	179.60	0.04
36.70	0.00	5,072	179.60	0.04
36.80	0.00	5,059	179.60	0.04
36.90	0.00	5,046	179.60	0.04
37.00	0.00	5,033	179.59	0.04
37.10	0.00	5,020	179.59	0.04
37.20	0.00	5,007	179.59	0.03
37.30	0.00	4,995	179.59	0.03
37.40	0.00	4,982	179.59	0.03
37.50	0.00	4,970	179.59	0.03
37.60	0.00	4,958	179.58	0.03
37.70	0.00	4,946	179.58	0.03
37.80	0.00	4,935	179.58	0.03
37.90	0.00	4,924	179.58	0.03
38.00	0.00	4,912	179.58	0.03
38.10	0.00	4,901	179.58	0.03
38.20	0.00	4,890	179.58	0.03
38.30	0.00	4,880	179.58	0.03
38.40	0.00	4,869	179.57	0.03
38.50	0.00	4,859	179.57	0.03
38.60	0.00	4,848	179.57	0.03
38.70	0.00	4,838	179.57	0.03
38.80	0.00	4,828	179.57	0.03
38.90	0.00	4,819	179.57	0.03
39.00	0.00	4,809	179.57	0.03
39.10	0.00	4,799	179.57	0.03
39.20	0.00	4,790	179.57	0.03
39.30	0.00	4,781	179.56	0.03
39.40	0.00	4,772	179.56	0.03
39.50	0.00	4,763	179.56	0.02
39.60	0.00	4,754	179.56	0.02
39.70	0.00	4,745	179.56	0.02
39.80	0.00	4,737	179.56	0.02
39.90	0.00	4,728	179.56	0.02
40.00	0.00	4,720	179.56	0.02

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 2.30" for Current 2 yr event
Inflow = 6.73 cfs @ 12.08 hrs, Volume= 0.426 af
Outflow = 0.13 cfs @ 17.00 hrs, Volume= 0.243 af, Atten= 98%, Lag= 295.7 min
Primary = 0.13 cfs @ 17.00 hrs, Volume= 0.243 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.15' @ 17.00 hrs Surf.Area= 12,248 sf Storage= 14,104 cf

Plug-Flow detention time= 811.3 min calculated for 0.243 af (57% of inflow)
Center-of-Mass det. time= 693.4 min (1,467.8 - 774.4)

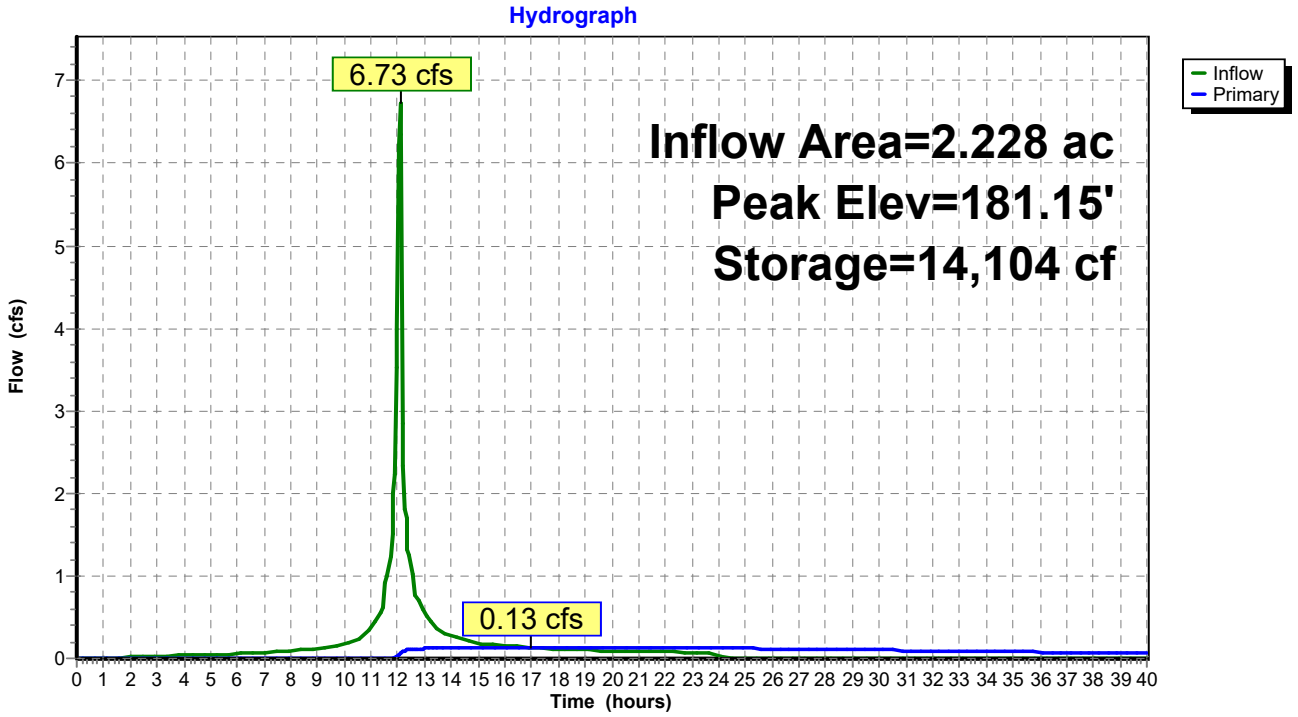
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 17.00 hrs HW=181.15' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 9.23 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.81 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.00	0	180.00	0.00
0.50	0.00	0	180.00	0.00
0.60	0.00	0	180.00	0.00
0.70	0.00	0	180.00	0.00
0.80	0.00	0	180.00	0.00
0.90	0.00	0	180.00	0.00
1.00	0.00	0	180.00	0.00
1.10	0.00	0	180.00	0.00
1.20	0.00	0	180.00	0.00
1.30	0.00	1	180.00	0.00
1.40	0.00	2	180.00	0.00
1.50	0.01	4	180.00	0.00
1.60	0.01	7	180.00	0.00
1.70	0.01	10	180.00	0.00
1.80	0.01	14	180.00	0.00
1.90	0.01	18	180.00	0.00
2.00	0.01	23	180.00	0.00
2.10	0.02	28	180.00	0.00
2.20	0.02	34	180.00	0.00
2.30	0.02	40	180.00	0.00
2.40	0.02	47	180.00	0.00
2.50	0.02	55	180.00	0.00
2.60	0.02	62	180.01	0.00
2.70	0.02	71	180.01	0.00
2.80	0.02	79	180.01	0.00
2.90	0.03	89	180.01	0.00
3.00	0.03	98	180.01	0.00
3.10	0.03	108	180.01	0.00
3.20	0.03	119	180.01	0.00
3.30	0.03	129	180.01	0.00
3.40	0.03	141	180.01	0.00
3.50	0.03	152	180.01	0.00
3.60	0.03	164	180.01	0.00
3.70	0.03	177	180.01	0.00
3.80	0.04	189	180.02	0.00
3.90	0.04	202	180.02	0.00
4.00	0.04	216	180.02	0.00
4.10	0.04	230	180.02	0.00
4.20	0.04	244	180.02	0.00
4.30	0.04	258	180.02	0.00
4.40	0.04	273	180.02	0.00
4.50	0.04	288	180.02	0.00
4.60	0.04	304	180.02	0.00
4.70	0.04	319	180.03	0.00
4.80	0.05	336	180.03	0.00
4.90	0.05	352	180.03	0.00
5.00	0.05	369	180.03	0.00
5.10	0.05	386	180.03	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	403	180.03	0.00
5.30	0.05	421	180.03	0.00
5.40	0.05	439	180.04	0.00
5.50	0.05	457	180.04	0.00
5.60	0.05	475	180.04	0.00
5.70	0.05	494	180.04	0.00
5.80	0.05	513	180.04	0.00
5.90	0.05	533	180.04	0.00
6.00	0.05	552	180.05	0.00
6.10	0.06	572	180.05	0.00
6.20	0.06	593	180.05	0.00
6.30	0.06	614	180.05	0.00
6.40	0.06	637	180.05	0.00
6.50	0.06	659	180.05	0.00
6.60	0.07	683	180.06	0.00
6.70	0.07	707	180.06	0.00
6.80	0.07	731	180.06	0.00
6.90	0.07	757	180.06	0.00
7.00	0.07	783	180.06	0.00
7.10	0.08	810	180.07	0.00
7.20	0.08	837	180.07	0.00
7.30	0.08	865	180.07	0.00
7.40	0.08	894	180.07	0.00
7.50	0.08	923	180.08	0.00
7.60	0.08	954	180.08	0.00
7.70	0.09	984	180.08	0.00
7.80	0.09	1,016	180.08	0.00
7.90	0.09	1,048	180.09	0.00
8.00	0.09	1,081	180.09	0.00
8.10	0.09	1,115	180.09	0.00
8.20	0.10	1,149	180.09	0.00
8.30	0.10	1,184	180.10	0.00
8.40	0.10	1,220	180.10	0.00
8.50	0.10	1,256	180.10	0.00
8.60	0.10	1,293	180.11	0.00
8.70	0.11	1,331	180.11	0.00
8.80	0.11	1,369	180.11	0.00
8.90	0.11	1,408	180.11	0.00
9.00	0.11	1,448	180.12	0.00
9.10	0.12	1,490	180.12	0.00
9.20	0.12	1,534	180.13	0.00
9.30	0.13	1,580	180.13	0.00
9.40	0.14	1,629	180.13	0.00
9.50	0.14	1,680	180.14	0.00
9.60	0.15	1,733	180.14	0.00
9.70	0.16	1,789	180.15	0.00
9.80	0.16	1,847	180.15	0.00
9.90	0.17	1,907	180.16	0.00
10.00	0.18	1,970	180.16	0.00
10.10	0.18	2,035	180.17	0.00
10.20	0.19	2,103	180.17	0.00
10.30	0.20	2,173	180.18	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.20	2,245	180.18	0.00
10.50	0.21	2,320	180.19	0.00
10.60	0.24	2,402	180.20	0.00
10.70	0.26	2,493	180.20	0.00
10.80	0.29	2,594	180.21	0.00
10.90	0.32	2,706	180.22	0.00
11.00	0.35	2,827	180.23	0.00
11.10	0.40	2,965	180.24	0.00
11.20	0.46	3,122	180.25	0.00
11.30	0.51	3,299	180.27	0.00
11.40	0.57	3,497	180.29	0.00
11.50	0.64	3,714	180.30	0.00
11.60	0.97	4,026	180.33	0.00
11.70	1.07	4,395	180.36	0.00
11.80	1.51	4,881	180.40	0.00
11.90	2.22	5,578	180.46	0.00
12.00	3.99	6,769	180.55	0.03
12.10	**6.34**	8,799	180.72	0.07
12.20	2.33	10,062	180.82	0.09
12.30	1.70	10,716	180.87	0.10
12.40	1.27	11,186	180.91	0.10
12.50	1.19	11,591	180.95	0.11
12.60	0.79	11,881	180.97	0.11
12.70	0.74	12,114	180.99	0.11
12.80	0.68	12,325	181.01	0.11
12.90	0.61	12,512	181.02	0.12
13.00	0.55	12,675	181.03	0.12
13.10	0.49	12,815	181.05	0.12
13.20	0.45	12,939	181.06	0.12
13.30	0.42	13,050	181.07	0.12
13.40	0.38	13,149	181.07	0.12
13.50	0.35	13,234	181.08	0.12
13.60	0.31	13,307	181.09	0.12
13.70	0.30	13,373	181.09	0.12
13.80	0.30	13,436	181.10	0.12
13.90	0.29	13,495	181.10	0.12
14.00	0.28	13,552	181.11	0.13
14.10	0.27	13,604	181.11	0.13
14.20	0.26	13,653	181.11	0.13
14.30	0.25	13,699	181.12	0.13
14.40	0.24	13,741	181.12	0.13
14.50	0.23	13,780	181.13	0.13
14.60	0.22	13,816	181.13	0.13
14.70	0.21	13,848	181.13	0.13
14.80	0.20	13,876	181.13	0.13
14.90	0.19	13,902	181.14	0.13
15.00	0.19	13,923	181.14	0.13
15.10	0.18	13,942	181.14	0.13
15.20	0.17	13,958	181.14	0.13
15.30	0.17	13,974	181.14	0.13
15.40	0.17	13,989	181.14	0.13
15.50	0.17	14,003	181.14	0.13

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	14,016	181.14	0.13
15.70	0.16	14,028	181.15	0.13
15.80	0.16	14,039	181.15	0.13
15.90	0.16	14,050	181.15	0.13
16.00	0.15	14,059	181.15	0.13
16.10	0.15	14,068	181.15	0.13
16.20	0.15	14,075	181.15	0.13
16.30	0.15	14,082	181.15	0.13
16.40	0.15	14,088	181.15	0.13
16.50	0.14	14,093	181.15	0.13
16.60	0.14	14,097	181.15	0.13
16.70	0.14	14,100	181.15	0.13
16.80	0.13	14,102	181.15	0.13
16.90	0.13	14,103	181.15	0.13
17.00	0.13	**14,104**	**181.15**	**0.13**
17.10	0.13	14,104	181.15	0.13
17.20	0.13	14,102	181.15	0.13
17.30	0.12	14,100	181.15	0.13
17.40	0.12	14,097	181.15	0.13
17.50	0.12	14,093	181.15	0.13
17.60	0.12	14,088	181.15	0.13
17.70	0.11	14,082	181.15	0.13
17.80	0.11	14,075	181.15	0.13
17.90	0.11	14,068	181.15	0.13
18.00	0.11	14,059	181.15	0.13
18.10	0.10	14,050	181.15	0.13
18.20	0.10	14,041	181.15	0.13
18.30	0.10	14,031	181.15	0.13
18.40	0.10	14,021	181.14	0.13
18.50	0.10	14,010	181.14	0.13
18.60	0.10	14,000	181.14	0.13
18.70	0.10	13,989	181.14	0.13
18.80	0.10	13,978	181.14	0.13
18.90	0.10	13,967	181.14	0.13
19.00	0.10	13,956	181.14	0.13
19.10	0.10	13,945	181.14	0.13
19.20	0.10	13,933	181.14	0.13
19.30	0.10	13,922	181.14	0.13
19.40	0.10	13,910	181.14	0.13
19.50	0.09	13,898	181.13	0.13
19.60	0.09	13,885	181.13	0.13
19.70	0.09	13,873	181.13	0.13
19.80	0.09	13,860	181.13	0.13
19.90	0.09	13,848	181.13	0.13
20.00	0.09	13,835	181.13	0.13
20.10	0.09	13,821	181.13	0.13
20.20	0.09	13,808	181.13	0.13
20.30	0.09	13,794	181.13	0.13
20.40	0.09	13,781	181.13	0.13
20.50	0.09	13,767	181.12	0.13
20.60	0.09	13,753	181.12	0.13
20.70	0.09	13,739	181.12	0.13

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	13,724	181.12	0.13
20.90	0.09	13,710	181.12	0.13
21.00	0.09	13,695	181.12	0.13
21.10	0.08	13,680	181.12	0.13
21.20	0.08	13,665	181.12	0.13
21.30	0.08	13,649	181.11	0.13
21.40	0.08	13,634	181.11	0.13
21.50	0.08	13,618	181.11	0.13
21.60	0.08	13,602	181.11	0.13
21.70	0.08	13,586	181.11	0.13
21.80	0.08	13,570	181.11	0.13
21.90	0.08	13,554	181.11	0.13
22.00	0.08	13,537	181.11	0.13
22.10	0.08	13,520	181.10	0.12
22.20	0.08	13,504	181.10	0.12
22.30	0.08	13,487	181.10	0.12
22.40	0.08	13,469	181.10	0.12
22.50	0.08	13,452	181.10	0.12
22.60	0.08	13,435	181.10	0.12
22.70	0.07	13,417	181.10	0.12
22.80	0.07	13,399	181.09	0.12
22.90	0.07	13,381	181.09	0.12
23.00	0.07	13,363	181.09	0.12
23.10	0.07	13,344	181.09	0.12
23.20	0.07	13,325	181.09	0.12
23.30	0.07	13,307	181.09	0.12
23.40	0.07	13,288	181.08	0.12
23.50	0.07	13,269	181.08	0.12
23.60	0.07	13,249	181.08	0.12
23.70	0.07	13,230	181.08	0.12
23.80	0.07	13,211	181.08	0.12
23.90	0.07	13,191	181.08	0.12
24.00	0.08	13,175	181.08	0.12
24.10	0.00	13,139	181.07	0.12
24.20	0.00	13,096	181.07	0.12
24.30	0.00	13,052	181.07	0.12
24.40	0.00	13,009	181.06	0.12
24.50	0.00	12,965	181.06	0.12
24.60	0.00	12,922	181.06	0.12
24.70	0.00	12,879	181.05	0.12
24.80	0.00	12,837	181.05	0.12
24.90	0.00	12,794	181.04	0.12
25.00	0.00	12,751	181.04	0.12
25.10	0.00	12,709	181.04	0.12
25.20	0.00	12,667	181.03	0.12
25.30	0.00	12,625	181.03	0.12
25.40	0.00	12,583	181.03	0.12
25.50	0.00	12,541	181.02	0.12
25.60	0.00	12,499	181.02	0.12
25.70	0.00	12,458	181.02	0.12
25.80	0.00	12,416	181.01	0.11
25.90	0.00	12,375	181.01	0.11

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,334	181.01	0.11
26.10	0.00	12,293	181.00	0.11
26.20	0.00	12,252	181.00	0.11
26.30	0.00	12,211	181.00	0.11
26.40	0.00	12,171	180.99	0.11
26.50	0.00	12,130	180.99	0.11
26.60	0.00	12,090	180.99	0.11
26.70	0.00	12,050	180.98	0.11
26.80	0.00	12,010	180.98	0.11
26.90	0.00	11,970	180.98	0.11
27.00	0.00	11,930	180.97	0.11
27.10	0.00	11,891	180.97	0.11
27.20	0.00	11,851	180.97	0.11
27.30	0.00	11,812	180.96	0.11
27.40	0.00	11,773	180.96	0.11
27.50	0.00	11,734	180.96	0.11
27.60	0.00	11,695	180.95	0.11
27.70	0.00	11,656	180.95	0.11
27.80	0.00	11,618	180.95	0.11
27.90	0.00	11,579	180.95	0.11
28.00	0.00	11,541	180.94	0.11
28.10	0.00	11,503	180.94	0.11
28.20	0.00	11,465	180.94	0.11
28.30	0.00	11,427	180.93	0.10
28.40	0.00	11,390	180.93	0.10
28.50	0.00	11,352	180.93	0.10
28.60	0.00	11,315	180.92	0.10
28.70	0.00	11,277	180.92	0.10
28.80	0.00	11,240	180.92	0.10
28.90	0.00	11,203	180.91	0.10
29.00	0.00	11,166	180.91	0.10
29.10	0.00	11,130	180.91	0.10
29.20	0.00	11,093	180.91	0.10
29.30	0.00	11,057	180.90	0.10
29.40	0.00	11,021	180.90	0.10
29.50	0.00	10,984	180.90	0.10
29.60	0.00	10,948	180.89	0.10
29.70	0.00	10,913	180.89	0.10
29.80	0.00	10,877	180.89	0.10
29.90	0.00	10,841	180.89	0.10
30.00	0.00	10,806	180.88	0.10
30.10	0.00	10,771	180.88	0.10
30.20	0.00	10,736	180.88	0.10
30.30	0.00	10,701	180.87	0.10
30.40	0.00	10,666	180.87	0.10
30.50	0.00	10,631	180.87	0.10
30.60	0.00	10,596	180.87	0.10
30.70	0.00	10,562	180.86	0.10
30.80	0.00	10,528	180.86	0.09
30.90	0.00	10,494	180.86	0.09
31.00	0.00	10,460	180.85	0.09
31.10	0.00	10,426	180.85	0.09

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,392	180.85	0.09
31.30	0.00	10,359	180.85	0.09
31.40	0.00	10,325	180.84	0.09
31.50	0.00	10,292	180.84	0.09
31.60	0.00	10,259	180.84	0.09
31.70	0.00	10,226	180.83	0.09
31.80	0.00	10,193	180.83	0.09
31.90	0.00	10,160	180.83	0.09
32.00	0.00	10,128	180.83	0.09
32.10	0.00	10,095	180.82	0.09
32.20	0.00	10,063	180.82	0.09
32.30	0.00	10,031	180.82	0.09
32.40	0.00	9,999	180.82	0.09
32.50	0.00	9,967	180.81	0.09
32.60	0.00	9,935	180.81	0.09
32.70	0.00	9,904	180.81	0.09
32.80	0.00	9,872	180.81	0.09
32.90	0.00	9,841	180.80	0.09
33.00	0.00	9,810	180.80	0.09
33.10	0.00	9,779	180.80	0.09
33.20	0.00	9,748	180.80	0.09
33.30	0.00	9,718	180.79	0.09
33.40	0.00	9,687	180.79	0.08
33.50	0.00	9,657	180.79	0.08
33.60	0.00	9,626	180.79	0.08
33.70	0.00	9,596	180.78	0.08
33.80	0.00	9,566	180.78	0.08
33.90	0.00	9,536	180.78	0.08
34.00	0.00	9,507	180.78	0.08
34.10	0.00	9,477	180.77	0.08
34.20	0.00	9,448	180.77	0.08
34.30	0.00	9,418	180.77	0.08
34.40	0.00	9,389	180.77	0.08
34.50	0.00	9,360	180.76	0.08
34.60	0.00	9,331	180.76	0.08
34.70	0.00	9,303	180.76	0.08
34.80	0.00	9,274	180.76	0.08
34.90	0.00	9,246	180.75	0.08
35.00	0.00	9,217	180.75	0.08
35.10	0.00	9,189	180.75	0.08
35.20	0.00	9,161	180.75	0.08
35.30	0.00	9,134	180.75	0.08
35.40	0.00	9,106	180.74	0.08
35.50	0.00	9,078	180.74	0.08
35.60	0.00	9,051	180.74	0.08
35.70	0.00	9,024	180.74	0.08
35.80	0.00	8,997	180.73	0.08
35.90	0.00	8,970	180.73	0.07
36.00	0.00	8,943	180.73	0.07
36.10	0.00	8,916	180.73	0.07
36.20	0.00	8,889	180.73	0.07
36.30	0.00	8,863	180.72	0.07

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,837	180.72	0.07
36.50	0.00	8,811	180.72	0.07
36.60	0.00	8,784	180.72	0.07
36.70	0.00	8,759	180.72	0.07
36.80	0.00	8,733	180.71	0.07
36.90	0.00	8,707	180.71	0.07
37.00	0.00	8,682	180.71	0.07
37.10	0.00	8,657	180.71	0.07
37.20	0.00	8,632	180.70	0.07
37.30	0.00	8,607	180.70	0.07
37.40	0.00	8,582	180.70	0.07
37.50	0.00	8,557	180.70	0.07
37.60	0.00	8,533	180.70	0.07
37.70	0.00	8,508	180.69	0.07
37.80	0.00	8,484	180.69	0.07
37.90	0.00	8,460	180.69	0.07
38.00	0.00	8,436	180.69	0.07
38.10	0.00	8,412	180.69	0.07
38.20	0.00	8,389	180.68	0.07
38.30	0.00	8,365	180.68	0.07
38.40	0.00	8,342	180.68	0.06
38.50	0.00	8,318	180.68	0.06
38.60	0.00	8,295	180.68	0.06
38.70	0.00	8,272	180.68	0.06
38.80	0.00	8,249	180.67	0.06
38.90	0.00	8,227	180.67	0.06
39.00	0.00	8,204	180.67	0.06
39.10	0.00	8,182	180.67	0.06
39.20	0.00	8,159	180.67	0.06
39.30	0.00	8,137	180.66	0.06
39.40	0.00	8,115	180.66	0.06
39.50	0.00	8,093	180.66	0.06
39.60	0.00	8,072	180.66	0.06
39.70	0.00	8,050	180.66	0.06
39.80	0.00	8,029	180.66	0.06
39.90	0.00	8,007	180.65	0.06
40.00	0.00	7,986	180.65	0.06

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 2.02" for Current 2 yr event
Inflow = 6.40 cfs @ 12.09 hrs, Volume= 0.409 af
Outflow = 0.28 cfs @ 14.01 hrs, Volume= 0.291 af, Atten= 96%, Lag= 115.2 min
Primary = 0.28 cfs @ 14.01 hrs, Volume= 0.291 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.04' @ 14.01 hrs Surf.Area= 5,928 sf Storage= 12,089 cf

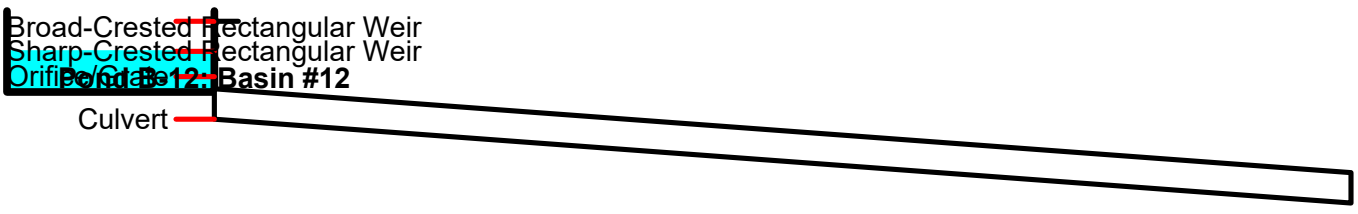
Plug-Flow detention time= 654.0 min calculated for 0.291 af (71% of inflow)
Center-of-Mass det. time= 554.1 min (1,340.8 - 786.6)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

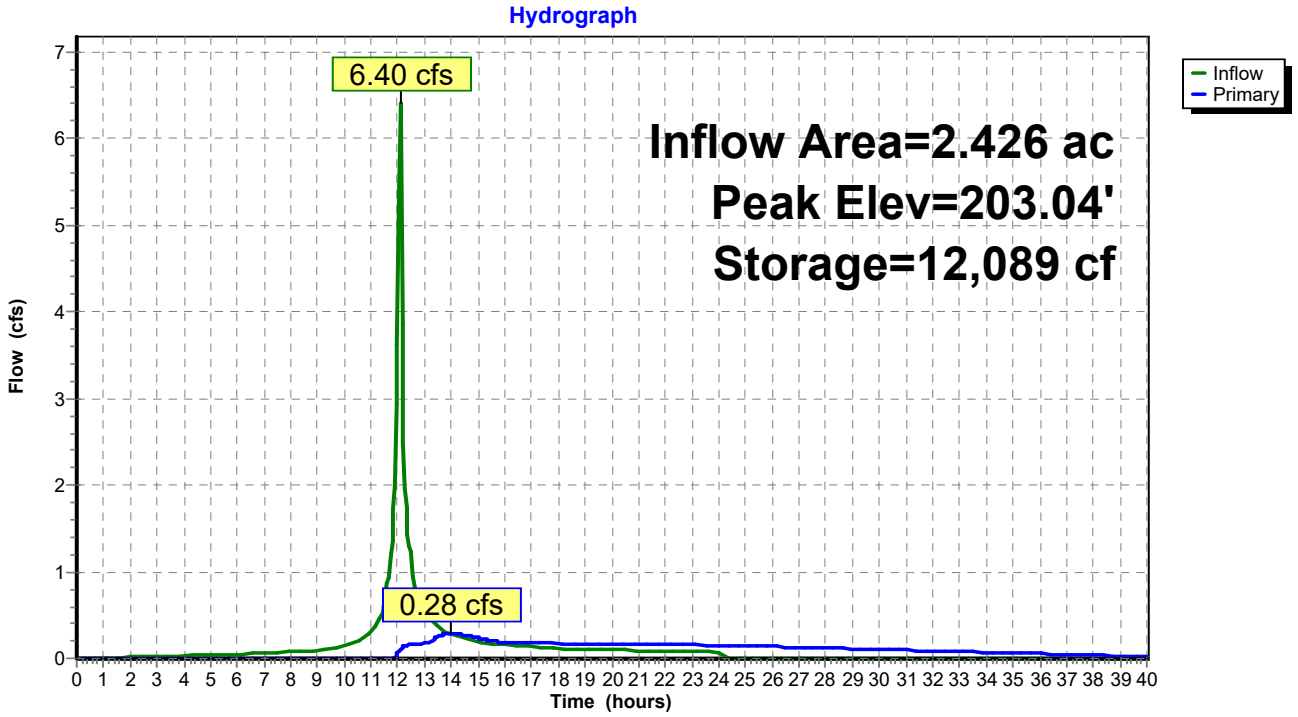
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.28 cfs @ 14.01 hrs HW=203.04' (Free Discharge)
- **1=Culvert** (Passes 0.28 cfs of 13.82 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.24 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.10 cfs @ 0.65 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.00	0	201.00	0.00
0.50	0.00	0	201.00	0.00
0.60	0.00	0	201.00	0.00
0.70	0.00	0	201.00	0.00
0.80	0.00	0	201.00	0.00
0.90	0.00	0	201.00	0.00
1.00	0.00	0	201.00	0.00
1.10	0.00	0	201.00	0.00
1.20	0.00	0	201.00	0.00
1.30	0.00	1	201.00	0.00
1.40	0.00	2	201.00	0.00
1.50	0.00	3	201.00	0.00
1.60	0.01	5	201.00	0.00
1.70	0.01	8	201.00	0.00
1.80	0.01	11	201.00	0.00
1.90	0.01	14	201.00	0.00
2.00	0.01	18	201.00	0.00
2.10	0.01	22	201.00	0.00
2.20	0.01	27	201.00	0.00
2.30	0.02	32	201.01	0.00
2.40	0.02	38	201.01	0.00
2.50	0.02	44	201.01	0.00
2.60	0.02	50	201.01	0.00
2.70	0.02	57	201.01	0.00
2.80	0.02	64	201.01	0.00
2.90	0.02	72	201.01	0.00
3.00	0.02	80	201.01	0.00
3.10	0.02	88	201.01	0.00
3.20	0.02	97	201.02	0.00
3.30	0.03	106	201.02	0.00
3.40	0.03	115	201.02	0.00
3.50	0.03	124	201.02	0.00
3.60	0.03	134	201.02	0.00
3.70	0.03	145	201.02	0.00
3.80	0.03	155	201.03	0.00
3.90	0.03	166	201.03	0.00
4.00	0.03	177	201.03	0.00
4.10	0.03	188	201.03	0.00
4.20	0.03	200	201.03	0.00
4.30	0.03	212	201.04	0.00
4.40	0.03	225	201.04	0.00
4.50	0.04	237	201.04	0.00
4.60	0.04	250	201.04	0.00
4.70	0.04	263	201.04	0.00
4.80	0.04	276	201.05	0.00
4.90	0.04	290	201.05	0.00
5.00	0.04	304	201.05	0.00
5.10	0.04	318	201.05	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	332	201.06	0.00
5.30	0.04	347	201.06	0.00
5.40	0.04	362	201.06	0.00
5.50	0.04	377	201.06	0.00
5.60	0.04	392	201.07	0.00
5.70	0.04	408	201.07	0.00
5.80	0.04	424	201.07	0.00
5.90	0.04	440	201.07	0.00
6.00	0.05	456	201.08	0.00
6.10	0.05	473	201.08	0.00
6.20	0.05	490	201.08	0.00
6.30	0.05	508	201.09	0.00
6.40	0.05	526	201.09	0.00
6.50	0.05	545	201.09	0.00
6.60	0.05	564	201.10	0.00
6.70	0.06	584	201.10	0.00
6.80	0.06	604	201.10	0.00
6.90	0.06	625	201.11	0.00
7.00	0.06	647	201.11	0.00
7.10	0.06	669	201.11	0.00
7.20	0.06	692	201.12	0.00
7.30	0.07	715	201.12	0.00
7.40	0.07	739	201.12	0.00
7.50	0.07	763	201.13	0.00
7.60	0.07	788	201.13	0.00
7.70	0.07	814	201.14	0.00
7.80	0.07	840	201.14	0.00
7.90	0.08	867	201.15	0.00
8.00	0.08	894	201.15	0.00
8.10	0.08	922	201.16	0.00
8.20	0.08	950	201.16	0.00
8.30	0.08	979	201.17	0.00
8.40	0.08	1,009	201.17	0.00
8.50	0.08	1,039	201.18	0.00
8.60	0.09	1,070	201.18	0.00
8.70	0.09	1,101	201.19	0.00
8.80	0.09	1,133	201.19	0.00
8.90	0.09	1,165	201.20	0.00
9.00	0.09	1,198	201.20	0.00
9.10	0.10	1,233	201.21	0.00
9.20	0.10	1,269	201.21	0.00
9.30	0.11	1,307	201.22	0.00
9.40	0.11	1,347	201.23	0.00
9.50	0.12	1,389	201.23	0.00
9.60	0.12	1,433	201.24	0.00
9.70	0.13	1,479	201.25	0.00
9.80	0.14	1,527	201.26	0.00
9.90	0.14	1,577	201.27	0.00
10.00	0.15	1,629	201.27	0.00
10.10	0.15	1,682	201.28	0.00
10.20	0.16	1,738	201.29	0.00
10.30	0.16	1,796	201.30	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.17	1,856	201.31	0.00
10.50	0.17	1,918	201.32	0.00
10.60	0.19	1,984	201.33	0.00
10.70	0.22	2,059	201.35	0.00
10.80	0.24	2,142	201.36	0.00
10.90	0.27	2,234	201.38	0.00
11.00	0.30	2,336	201.39	0.00
11.10	0.34	2,451	201.41	0.00
11.20	0.39	2,584	201.44	0.00
11.30	0.44	2,735	201.46	0.00
11.40	0.50	2,905	201.49	0.00
11.50	0.55	3,094	201.52	0.00
11.60	0.86	3,352	201.57	0.00
11.70	0.95	3,680	201.62	0.00
11.80	1.35	4,100	201.69	0.00
11.90	1.97	4,706	201.79	0.00
12.00	3.61	5,728	201.97	0.05
12.10	**6.32**	7,556	202.27	0.11
12.20	2.49	9,000	202.52	0.13
12.30	1.74	9,684	202.63	0.14
12.40	1.29	10,162	202.71	0.15
12.50	1.22	10,555	202.78	0.16
12.60	0.81	10,850	202.83	0.16
12.70	0.75	11,069	202.87	0.17
12.80	0.69	11,267	202.90	0.17
12.90	0.62	11,440	202.93	0.17
13.00	0.56	11,590	202.96	0.17
13.10	0.50	11,716	202.98	0.17
13.20	0.46	11,824	202.99	0.18
13.30	0.43	11,915	203.01	0.20
13.40	0.39	11,982	203.02	0.23
13.50	0.36	12,028	203.03	0.25
13.60	0.32	12,055	203.03	0.27
13.70	0.31	12,071	203.04	0.27
13.80	0.30	12,081	203.04	0.28
13.90	0.29	12,087	203.04	0.28
14.00	0.28	**12,089**	**203.04**	**0.28**
14.10	0.27	12,088	203.04	0.28
14.20	0.27	12,084	203.04	0.28
14.30	0.26	12,078	203.04	0.28
14.40	0.25	12,069	203.04	0.27
14.50	0.24	12,059	203.03	0.27
14.60	0.23	12,047	203.03	0.26
14.70	0.22	12,033	203.03	0.26
14.80	0.21	12,019	203.03	0.25
14.90	0.20	12,004	203.02	0.24
15.00	0.19	11,988	203.02	0.24
15.10	0.18	11,971	203.02	0.23
15.20	0.18	11,955	203.02	0.22
15.30	0.18	11,940	203.01	0.21
15.40	0.17	11,927	203.01	0.21
15.50	0.17	11,915	203.01	0.20

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	11,904	203.01	0.20
15.70	0.17	11,894	203.01	0.19
15.80	0.16	11,885	203.00	0.19
15.90	0.16	11,876	203.00	0.18
16.00	0.16	11,868	203.00	0.18
16.10	0.16	11,860	203.00	0.18
16.20	0.15	11,852	203.00	0.18
16.30	0.15	11,844	203.00	0.18
16.40	0.15	11,835	203.00	0.18
16.50	0.15	11,824	202.99	0.18
16.60	0.14	11,814	202.99	0.18
16.70	0.14	11,802	202.99	0.17
16.80	0.14	11,789	202.99	0.17
16.90	0.14	11,776	202.99	0.17
17.00	0.13	11,761	202.98	0.17
17.10	0.13	11,746	202.98	0.17
17.20	0.13	11,731	202.98	0.17
17.30	0.13	11,714	202.98	0.17
17.40	0.12	11,696	202.97	0.17
17.50	0.12	11,678	202.97	0.17
17.60	0.12	11,658	202.97	0.17
17.70	0.12	11,638	202.96	0.17
17.80	0.11	11,617	202.96	0.17
17.90	0.11	11,596	202.96	0.17
18.00	0.11	11,573	202.95	0.17
18.10	0.11	11,550	202.95	0.17
18.20	0.11	11,526	202.94	0.17
18.30	0.10	11,502	202.94	0.17
18.40	0.10	11,478	202.94	0.17
18.50	0.10	11,454	202.93	0.17
18.60	0.10	11,430	202.93	0.17
18.70	0.10	11,405	202.92	0.17
18.80	0.10	11,381	202.92	0.17
18.90	0.10	11,357	202.92	0.17
19.00	0.10	11,332	202.91	0.17
19.10	0.10	11,307	202.91	0.17
19.20	0.10	11,282	202.90	0.17
19.30	0.10	11,257	202.90	0.17
19.40	0.10	11,232	202.89	0.17
19.50	0.10	11,207	202.89	0.17
19.60	0.10	11,182	202.89	0.17
19.70	0.10	11,157	202.88	0.17
19.80	0.10	11,132	202.88	0.17
19.90	0.09	11,106	202.87	0.17
20.00	0.09	11,080	202.87	0.17
20.10	0.09	11,055	202.86	0.17
20.20	0.09	11,029	202.86	0.16
20.30	0.09	11,003	202.86	0.16
20.40	0.09	10,977	202.85	0.16
20.50	0.09	10,951	202.85	0.16
20.60	0.09	10,925	202.84	0.16
20.70	0.09	10,899	202.84	0.16

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	10,872	202.83	0.16
20.90	0.09	10,846	202.83	0.16
21.00	0.09	10,819	202.83	0.16
21.10	0.09	10,792	202.82	0.16
21.20	0.09	10,766	202.82	0.16
21.30	0.09	10,739	202.81	0.16
21.40	0.09	10,712	202.81	0.16
21.50	0.08	10,685	202.80	0.16
21.60	0.08	10,658	202.80	0.16
21.70	0.08	10,631	202.79	0.16
21.80	0.08	10,603	202.79	0.16
21.90	0.08	10,576	202.78	0.16
22.00	0.08	10,549	202.78	0.16
22.10	0.08	10,521	202.77	0.16
22.20	0.08	10,493	202.77	0.16
22.30	0.08	10,466	202.77	0.16
22.40	0.08	10,438	202.76	0.16
22.50	0.08	10,410	202.76	0.16
22.60	0.08	10,382	202.75	0.16
22.70	0.08	10,354	202.75	0.16
22.80	0.08	10,326	202.74	0.15
22.90	0.08	10,298	202.74	0.15
23.00	0.08	10,269	202.73	0.15
23.10	0.07	10,241	202.73	0.15
23.20	0.07	10,212	202.72	0.15
23.30	0.07	10,184	202.72	0.15
23.40	0.07	10,155	202.71	0.15
23.50	0.07	10,127	202.71	0.15
23.60	0.07	10,098	202.70	0.15
23.70	0.07	10,069	202.70	0.15
23.80	0.07	10,040	202.69	0.15
23.90	0.07	10,011	202.69	0.15
24.00	0.08	9,985	202.68	0.15
24.10	0.00	9,944	202.68	0.15
24.20	0.00	9,891	202.67	0.15
24.30	0.00	9,838	202.66	0.15
24.40	0.00	9,785	202.65	0.15
24.50	0.00	9,733	202.64	0.15
24.60	0.00	9,680	202.63	0.14
24.70	0.00	9,628	202.62	0.14
24.80	0.00	9,577	202.62	0.14
24.90	0.00	9,525	202.61	0.14
25.00	0.00	9,474	202.60	0.14
25.10	0.00	9,423	202.59	0.14
25.20	0.00	9,373	202.58	0.14
25.30	0.00	9,322	202.57	0.14
25.40	0.00	9,273	202.56	0.14
25.50	0.00	9,223	202.56	0.14
25.60	0.00	9,174	202.55	0.14
25.70	0.00	9,125	202.54	0.14
25.80	0.00	9,076	202.53	0.14
25.90	0.00	9,027	202.52	0.13

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,979	202.51	0.13
26.10	0.00	8,931	202.51	0.13
26.20	0.00	8,884	202.50	0.13
26.30	0.00	8,836	202.49	0.13
26.40	0.00	8,789	202.48	0.13
26.50	0.00	8,743	202.47	0.13
26.60	0.00	8,696	202.47	0.13
26.70	0.00	8,650	202.46	0.13
26.80	0.00	8,604	202.45	0.13
26.90	0.00	8,559	202.44	0.13
27.00	0.00	8,514	202.44	0.13
27.10	0.00	8,469	202.43	0.12
27.20	0.00	8,424	202.42	0.12
27.30	0.00	8,380	202.41	0.12
27.40	0.00	8,336	202.41	0.12
27.50	0.00	8,292	202.40	0.12
27.60	0.00	8,249	202.39	0.12
27.70	0.00	8,205	202.38	0.12
27.80	0.00	8,162	202.38	0.12
27.90	0.00	8,120	202.37	0.12
28.00	0.00	8,078	202.36	0.12
28.10	0.00	8,036	202.36	0.12
28.20	0.00	7,994	202.35	0.12
28.30	0.00	7,953	202.34	0.11
28.40	0.00	7,911	202.33	0.11
28.50	0.00	7,871	202.33	0.11
28.60	0.00	7,830	202.32	0.11
28.70	0.00	7,790	202.31	0.11
28.80	0.00	7,750	202.31	0.11
28.90	0.00	7,710	202.30	0.11
29.00	0.00	7,671	202.29	0.11
29.10	0.00	7,632	202.29	0.11
29.20	0.00	7,593	202.28	0.11
29.30	0.00	7,555	202.27	0.11
29.40	0.00	7,517	202.27	0.11
29.50	0.00	7,479	202.26	0.10
29.60	0.00	7,441	202.26	0.10
29.70	0.00	7,404	202.25	0.10
29.80	0.00	7,367	202.24	0.10
29.90	0.00	7,330	202.24	0.10
30.00	0.00	7,294	202.23	0.10
30.10	0.00	7,258	202.22	0.10
30.20	0.00	7,222	202.22	0.10
30.30	0.00	7,187	202.21	0.10
30.40	0.00	7,151	202.21	0.10
30.50	0.00	7,116	202.20	0.10
30.60	0.00	7,082	202.19	0.10
30.70	0.00	7,048	202.19	0.09
30.80	0.00	7,014	202.18	0.09
30.90	0.00	6,980	202.18	0.09
31.00	0.00	6,946	202.17	0.09
31.10	0.00	6,913	202.17	0.09

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,880	202.16	0.09
31.30	0.00	6,848	202.16	0.09
31.40	0.00	6,816	202.15	0.09
31.50	0.00	6,784	202.14	0.09
31.60	0.00	6,752	202.14	0.09
31.70	0.00	6,721	202.13	0.09
31.80	0.00	6,689	202.13	0.09
31.90	0.00	6,659	202.12	0.09
32.00	0.00	6,628	202.12	0.08
32.10	0.00	6,598	202.11	0.08
32.20	0.00	6,568	202.11	0.08
32.30	0.00	6,538	202.10	0.08
32.40	0.00	6,509	202.10	0.08
32.50	0.00	6,480	202.09	0.08
32.60	0.00	6,451	202.09	0.08
32.70	0.00	6,423	202.08	0.08
32.80	0.00	6,395	202.08	0.08
32.90	0.00	6,367	202.07	0.08
33.00	0.00	6,339	202.07	0.08
33.10	0.00	6,312	202.06	0.08
33.20	0.00	6,285	202.06	0.07
33.30	0.00	6,259	202.06	0.07
33.40	0.00	6,232	202.05	0.07
33.50	0.00	6,206	202.05	0.07
33.60	0.00	6,180	202.04	0.07
33.70	0.00	6,155	202.04	0.07
33.80	0.00	6,130	202.03	0.07
33.90	0.00	6,105	202.03	0.07
34.00	0.00	6,080	202.03	0.07
34.10	0.00	6,056	202.02	0.07
34.20	0.00	6,032	202.02	0.07
34.30	0.00	6,008	202.01	0.07
34.40	0.00	5,985	202.01	0.06
34.50	0.00	5,962	202.01	0.06
34.60	0.00	5,939	202.00	0.06
34.70	0.00	5,916	202.00	0.06
34.80	0.00	5,894	201.99	0.06
34.90	0.00	5,872	201.99	0.06
35.00	0.00	5,851	201.99	0.06
35.10	0.00	5,829	201.98	0.06
35.20	0.00	5,808	201.98	0.06
35.30	0.00	5,788	201.98	0.06
35.40	0.00	5,767	201.97	0.06
35.50	0.00	5,747	201.97	0.06
35.60	0.00	5,727	201.97	0.05
35.70	0.00	5,707	201.96	0.05
35.80	0.00	5,688	201.96	0.05
35.90	0.00	5,669	201.96	0.05
36.00	0.00	5,650	201.95	0.05
36.10	0.00	5,632	201.95	0.05
36.20	0.00	5,614	201.95	0.05
36.30	0.00	5,596	201.94	0.05

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,579	201.94	0.05
36.50	0.00	5,562	201.94	0.05
36.60	0.00	5,545	201.94	0.05
36.70	0.00	5,529	201.93	0.05
36.80	0.00	5,512	201.93	0.04
36.90	0.00	5,496	201.93	0.04
37.00	0.00	5,481	201.92	0.04
37.10	0.00	5,465	201.92	0.04
37.20	0.00	5,450	201.92	0.04
37.30	0.00	5,435	201.92	0.04
37.40	0.00	5,421	201.91	0.04
37.50	0.00	5,407	201.91	0.04
37.60	0.00	5,393	201.91	0.04
37.70	0.00	5,379	201.91	0.04
37.80	0.00	5,366	201.91	0.04
37.90	0.00	5,353	201.90	0.04
38.00	0.00	5,340	201.90	0.03
38.10	0.00	5,328	201.90	0.03
38.20	0.00	5,316	201.90	0.03
38.30	0.00	5,304	201.89	0.03
38.40	0.00	5,292	201.89	0.03
38.50	0.00	5,281	201.89	0.03
38.60	0.00	5,270	201.89	0.03
38.70	0.00	5,259	201.89	0.03
38.80	0.00	5,248	201.89	0.03
38.90	0.00	5,237	201.88	0.03
39.00	0.00	5,227	201.88	0.03
39.10	0.00	5,217	201.88	0.03
39.20	0.00	5,207	201.88	0.03
39.30	0.00	5,198	201.88	0.03
39.40	0.00	5,188	201.88	0.03
39.50	0.00	5,179	201.87	0.03
39.60	0.00	5,170	201.87	0.02
39.70	0.00	5,161	201.87	0.02
39.80	0.00	5,153	201.87	0.02
39.90	0.00	5,144	201.87	0.02
40.00	0.00	5,136	201.87	0.02

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0	201.52	5,928	3,083
201.01	5,928	59	201.53	5,928	3,142
201.02	5,928	119	201.54	5,928	3,201
201.03	5,928	178	201.55	5,928	3,260
201.04	5,928	237	201.56	5,928	3,320
201.05	5,928	296	201.57	5,928	3,379
201.06	5,928	356	201.58	5,928	3,438
201.07	5,928	415	201.59	5,928	3,498
201.08	5,928	474	201.60	5,928	3,557
201.09	5,928	534	201.61	5,928	3,616
201.10	5,928	593	201.62	5,928	3,675
201.11	5,928	652	201.63	5,928	3,735
201.12	5,928	711	201.64	5,928	3,794
201.13	5,928	771	201.65	5,928	3,853
201.14	5,928	830	201.66	5,928	3,912
201.15	5,928	889	201.67	5,928	3,972
201.16	5,928	948	201.68	5,928	4,031
201.17	5,928	1,008	201.69	5,928	4,090
201.18	5,928	1,067	201.70	5,928	4,150
201.19	5,928	1,126	201.71	5,928	4,209
201.20	5,928	1,186	201.72	5,928	4,268
201.21	5,928	1,245	201.73	5,928	4,327
201.22	5,928	1,304	201.74	5,928	4,387
201.23	5,928	1,363	201.75	5,928	4,446
201.24	5,928	1,423	201.76	5,928	4,505
201.25	5,928	1,482	201.77	5,928	4,565
201.26	5,928	1,541	201.78	5,928	4,624
201.27	5,928	1,601	201.79	5,928	4,683
201.28	5,928	1,660	201.80	5,928	4,742
201.29	5,928	1,719	201.81	5,928	4,802
201.30	5,928	1,778	201.82	5,928	4,861
201.31	5,928	1,838	201.83	5,928	4,920
201.32	5,928	1,897	201.84	5,928	4,980
201.33	5,928	1,956	201.85	5,928	5,039
201.34	5,928	2,016	201.86	5,928	5,098
201.35	5,928	2,075	201.87	5,928	5,157
201.36	5,928	2,134	201.88	5,928	5,217
201.37	5,928	2,193	201.89	5,928	5,276
201.38	5,928	2,253	201.90	5,928	5,335
201.39	5,928	2,312	201.91	5,928	5,394
201.40	5,928	2,371	201.92	5,928	5,454
201.41	5,928	2,430	201.93	5,928	5,513
201.42	5,928	2,490	201.94	5,928	5,572
201.43	5,928	2,549	201.95	5,928	5,632
201.44	5,928	2,608	201.96	5,928	5,691
201.45	5,928	2,668	201.97	5,928	5,750
201.46	5,928	2,727	201.98	5,928	5,809
201.47	5,928	2,786	201.99	5,928	5,869
201.48	5,928	2,845	202.00	5,928	5,928
201.49	5,928	2,905	202.01	5,928	5,987
201.50	5,928	2,964	202.02	5,928	6,047
201.51	5,928	3,023	202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 2.37" for Current 2 yr event
Inflow = 6.20 cfs @ 12.11 hrs, Volume= 0.465 af
Outflow = 0.14 cfs @ 16.87 hrs, Volume= 0.269 af, Atten= 98%, Lag= 285.4 min
Primary = 0.14 cfs @ 16.87 hrs, Volume= 0.269 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.40' @ 16.87 hrs Surf.Area= 10,996 sf Storage= 15,360 cf

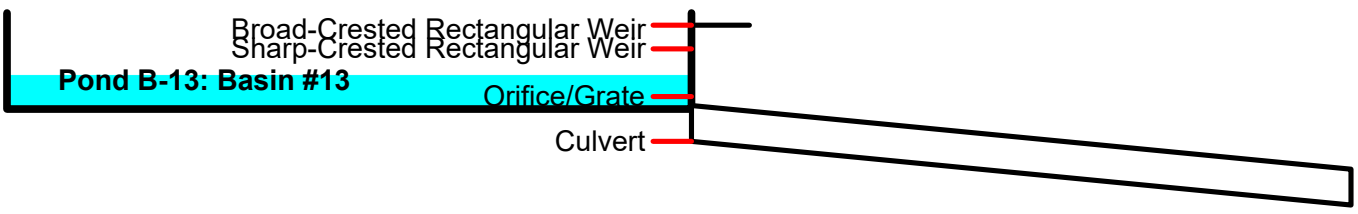
Plug-Flow detention time= 810.2 min calculated for 0.269 af (58% of inflow)
Center-of-Mass det. time= 692.4 min (1,467.5 - 775.1)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

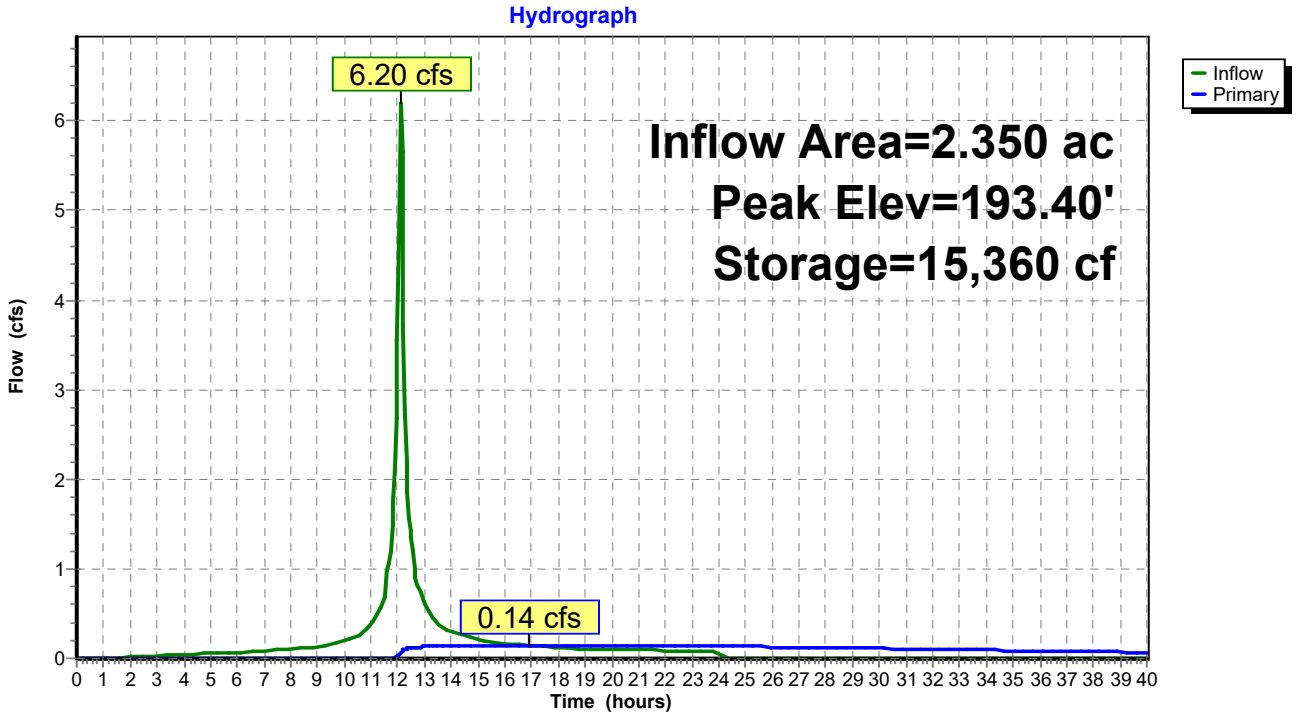
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.14 cfs @ 16.87 hrs HW=193.40' (Free Discharge)
- **1=Culvert** (Passes 0.14 cfs of 12.02 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.14 cfs @ 4.23 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	0	192.00	0.00
1.30	0.00	1	192.00	0.00
1.40	0.00	2	192.00	0.00
1.50	0.01	4	192.00	0.00
1.60	0.01	6	192.00	0.00
1.70	0.01	10	192.00	0.00
1.80	0.01	13	192.00	0.00
1.90	0.01	18	192.00	0.00
2.00	0.02	23	192.00	0.00
2.10	0.02	29	192.00	0.00
2.20	0.02	35	192.00	0.00
2.30	0.02	42	192.00	0.00
2.40	0.02	50	192.00	0.00
2.50	0.02	58	192.01	0.00
2.60	0.02	66	192.01	0.00
2.70	0.03	75	192.01	0.00
2.80	0.03	85	192.01	0.00
2.90	0.03	95	192.01	0.00
3.00	0.03	106	192.01	0.00
3.10	0.03	117	192.01	0.00
3.20	0.03	128	192.01	0.00
3.30	0.03	140	192.01	0.00
3.40	0.04	152	192.01	0.00
3.50	0.04	165	192.02	0.00
3.60	0.04	179	192.02	0.00
3.70	0.04	192	192.02	0.00
3.80	0.04	206	192.02	0.00
3.90	0.04	221	192.02	0.00
4.00	0.04	236	192.02	0.00
4.10	0.04	251	192.02	0.00
4.20	0.04	267	192.02	0.00
4.30	0.05	283	192.03	0.00
4.40	0.05	300	192.03	0.00
4.50	0.05	317	192.03	0.00
4.60	0.05	334	192.03	0.00
4.70	0.05	351	192.03	0.00
4.80	0.05	369	192.03	0.00
4.90	0.05	388	192.04	0.00
5.00	0.05	406	192.04	0.00
5.10	0.05	425	192.04	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	445	192.04	0.00
5.30	0.06	464	192.04	0.00
5.40	0.06	484	192.04	0.00
5.50	0.06	505	192.05	0.00
5.60	0.06	525	192.05	0.00
5.70	0.06	546	192.05	0.00
5.80	0.06	568	192.05	0.00
5.90	0.06	589	192.05	0.00
6.00	0.06	611	192.06	0.00
6.10	0.06	634	192.06	0.00
6.20	0.07	657	192.06	0.00
6.30	0.07	680	192.06	0.00
6.40	0.07	705	192.06	0.00
6.50	0.07	730	192.07	0.00
6.60	0.07	756	192.07	0.00
6.70	0.08	783	192.07	0.00
6.80	0.08	810	192.07	0.00
6.90	0.08	839	192.08	0.00
7.00	0.08	868	192.08	0.00
7.10	0.08	897	192.08	0.00
7.20	0.09	928	192.08	0.00
7.30	0.09	959	192.09	0.00
7.40	0.09	991	192.09	0.00
7.50	0.09	1,024	192.09	0.00
7.60	0.09	1,058	192.10	0.00
7.70	0.10	1,092	192.10	0.00
7.80	0.10	1,127	192.10	0.00
7.90	0.10	1,163	192.11	0.00
8.00	0.10	1,200	192.11	0.00
8.10	0.11	1,237	192.11	0.00
8.20	0.11	1,275	192.12	0.00
8.30	0.11	1,314	192.12	0.00
8.40	0.11	1,354	192.12	0.00
8.50	0.11	1,395	192.13	0.00
8.60	0.12	1,436	192.13	0.00
8.70	0.12	1,478	192.13	0.00
8.80	0.12	1,521	192.14	0.00
8.90	0.12	1,565	192.14	0.00
9.00	0.12	1,609	192.15	0.00
9.10	0.13	1,655	192.15	0.00
9.20	0.14	1,703	192.15	0.00
9.30	0.15	1,754	192.16	0.00
9.40	0.15	1,808	192.16	0.00
9.50	0.16	1,864	192.17	0.00
9.60	0.17	1,923	192.17	0.00
9.70	0.17	1,984	192.18	0.00
9.80	0.18	2,048	192.19	0.00
9.90	0.19	2,115	192.19	0.00
10.00	0.20	2,185	192.20	0.00
10.10	0.20	2,257	192.21	0.00
10.20	0.21	2,331	192.21	0.00
10.30	0.22	2,409	192.22	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.23	2,489	192.23	0.00
10.50	0.23	2,572	192.23	0.00
10.60	0.26	2,660	192.24	0.00
10.70	0.29	2,758	192.25	0.00
10.80	0.32	2,866	192.26	0.00
10.90	0.35	2,985	192.27	0.00
11.00	0.38	3,115	192.28	0.00
11.10	0.43	3,260	192.30	0.00
11.20	0.49	3,425	192.31	0.00
11.30	0.55	3,610	192.33	0.00
11.40	0.61	3,818	192.35	0.00
11.50	0.66	4,047	192.37	0.00
11.60	0.97	4,334	192.39	0.00
11.70	1.11	4,712	192.43	0.00
11.80	1.48	5,172	192.47	0.00
11.90	2.09	5,807	192.53	0.00
12.00	3.57	6,795	192.62	0.02
12.10	**6.14**	8,489	192.77	0.06
12.20	3.72	10,364	192.94	0.09
12.30	2.20	11,361	193.03	0.10
12.40	1.56	11,996	193.09	0.11
12.50	1.35	12,475	193.13	0.12
12.60	1.00	12,863	193.17	0.12
12.70	0.84	13,144	193.20	0.12
12.80	0.76	13,386	193.22	0.13
12.90	0.69	13,601	193.24	0.13
13.00	0.62	13,791	193.25	0.13
13.10	0.55	13,955	193.27	0.13
13.20	0.50	14,096	193.28	0.13
13.30	0.46	14,223	193.29	0.13
13.40	0.43	14,335	193.30	0.14
13.50	0.39	14,433	193.31	0.14
13.60	0.35	14,517	193.32	0.14
13.70	0.33	14,591	193.33	0.14
13.80	0.32	14,659	193.33	0.14
13.90	0.31	14,723	193.34	0.14
14.00	0.30	14,784	193.34	0.14
14.10	0.29	14,841	193.35	0.14
14.20	0.28	14,894	193.35	0.14
14.30	0.27	14,944	193.36	0.14
14.40	0.26	14,990	193.36	0.14
14.50	0.25	15,032	193.37	0.14
14.60	0.24	15,070	193.37	0.14
14.70	0.23	15,105	193.37	0.14
14.80	0.22	15,136	193.38	0.14
14.90	0.21	15,164	193.38	0.14
15.00	0.20	15,187	193.38	0.14
15.10	0.19	15,208	193.38	0.14
15.20	0.19	15,225	193.38	0.14
15.30	0.19	15,241	193.39	0.14
15.40	0.18	15,255	193.39	0.14
15.50	0.18	15,269	193.39	0.14

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	15,282	193.39	0.14
15.70	0.18	15,294	193.39	0.14
15.80	0.17	15,305	193.39	0.14
15.90	0.17	15,314	193.39	0.14
16.00	0.17	15,323	193.39	0.14
16.10	0.16	15,331	193.39	0.14
16.20	0.16	15,338	193.39	0.14
16.30	0.16	15,344	193.40	0.14
16.40	0.16	15,349	193.40	0.14
16.50	0.15	15,353	193.40	0.14
16.60	0.15	15,357	193.40	0.14
16.70	0.15	15,359	193.40	0.14
16.80	0.15	**15,360**	**193.40**	**0.14**
16.90	0.14	**15,360**	**193.40**	**0.14**
17.00	0.14	15,359	193.40	0.14
17.10	0.14	15,358	193.40	0.14
17.20	0.14	15,355	193.40	0.14
17.30	0.13	15,352	193.40	0.14
17.40	0.13	15,347	193.40	0.14
17.50	0.13	15,342	193.40	0.14
17.60	0.12	15,335	193.39	0.14
17.70	0.12	15,328	193.39	0.14
17.80	0.12	15,319	193.39	0.14
17.90	0.12	15,310	193.39	0.14
18.00	0.11	15,300	193.39	0.14
18.10	0.11	15,289	193.39	0.14
18.20	0.11	15,277	193.39	0.14
18.30	0.11	15,265	193.39	0.14
18.40	0.11	15,253	193.39	0.14
18.50	0.11	15,240	193.39	0.14
18.60	0.11	15,227	193.38	0.14
18.70	0.11	15,214	193.38	0.14
18.80	0.11	15,201	193.38	0.14
18.90	0.11	15,188	193.38	0.14
19.00	0.10	15,174	193.38	0.14
19.10	0.10	15,161	193.38	0.14
19.20	0.10	15,147	193.38	0.14
19.30	0.10	15,132	193.38	0.14
19.40	0.10	15,118	193.37	0.14
19.50	0.10	15,104	193.37	0.14
19.60	0.10	15,089	193.37	0.14
19.70	0.10	15,074	193.37	0.14
19.80	0.10	15,059	193.37	0.14
19.90	0.10	15,044	193.37	0.14
20.00	0.10	15,028	193.37	0.14
20.10	0.10	15,013	193.37	0.14
20.20	0.10	14,997	193.36	0.14
20.30	0.10	14,981	193.36	0.14
20.40	0.10	14,965	193.36	0.14
20.50	0.09	14,948	193.36	0.14
20.60	0.09	14,932	193.36	0.14
20.70	0.09	14,915	193.36	0.14

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	14,898	193.35	0.14
20.90	0.09	14,881	193.35	0.14
21.00	0.09	14,863	193.35	0.14
21.10	0.09	14,846	193.35	0.14
21.20	0.09	14,828	193.35	0.14
21.30	0.09	14,810	193.35	0.14
21.40	0.09	14,792	193.35	0.14
21.50	0.09	14,774	193.34	0.14
21.60	0.09	14,756	193.34	0.14
21.70	0.09	14,737	193.34	0.14
21.80	0.09	14,718	193.34	0.14
21.90	0.09	14,699	193.34	0.14
22.00	0.08	14,680	193.34	0.14
22.10	0.08	14,661	193.33	0.14
22.20	0.08	14,641	193.33	0.14
22.30	0.08	14,621	193.33	0.14
22.40	0.08	14,602	193.33	0.14
22.50	0.08	14,581	193.33	0.14
22.60	0.08	14,561	193.32	0.14
22.70	0.08	14,541	193.32	0.14
22.80	0.08	14,520	193.32	0.14
22.90	0.08	14,499	193.32	0.14
23.00	0.08	14,478	193.32	0.14
23.10	0.08	14,457	193.31	0.14
23.20	0.08	14,436	193.31	0.14
23.30	0.08	14,415	193.31	0.14
23.40	0.08	14,393	193.31	0.14
23.50	0.07	14,371	193.31	0.14
23.60	0.07	14,349	193.30	0.14
23.70	0.07	14,327	193.30	0.14
23.80	0.07	14,305	193.30	0.14
23.90	0.07	14,282	193.30	0.13
24.00	0.08	14,261	193.30	0.13
24.10	0.03	14,235	193.29	0.13
24.20	0.00	14,191	193.29	0.13
24.30	0.00	14,144	193.29	0.13
24.40	0.00	14,096	193.28	0.13
24.50	0.00	14,048	193.28	0.13
24.60	0.00	14,000	193.27	0.13
24.70	0.00	13,953	193.27	0.13
24.80	0.00	13,906	193.26	0.13
24.90	0.00	13,858	193.26	0.13
25.00	0.00	13,811	193.26	0.13
25.10	0.00	13,764	193.25	0.13
25.20	0.00	13,718	193.25	0.13
25.30	0.00	13,671	193.24	0.13
25.40	0.00	13,625	193.24	0.13
25.50	0.00	13,578	193.23	0.13
25.60	0.00	13,532	193.23	0.13
25.70	0.00	13,486	193.23	0.13
25.80	0.00	13,441	193.22	0.13
25.90	0.00	13,395	193.22	0.13

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,350	193.21	0.13
26.10	0.00	13,304	193.21	0.13
26.20	0.00	13,259	193.21	0.13
26.30	0.00	13,214	193.20	0.12
26.40	0.00	13,169	193.20	0.12
26.50	0.00	13,125	193.19	0.12
26.60	0.00	13,080	193.19	0.12
26.70	0.00	13,036	193.19	0.12
26.80	0.00	12,992	193.18	0.12
26.90	0.00	12,948	193.18	0.12
27.00	0.00	12,904	193.17	0.12
27.10	0.00	12,860	193.17	0.12
27.20	0.00	12,816	193.17	0.12
27.30	0.00	12,773	193.16	0.12
27.40	0.00	12,730	193.16	0.12
27.50	0.00	12,687	193.15	0.12
27.60	0.00	12,644	193.15	0.12
27.70	0.00	12,601	193.15	0.12
27.80	0.00	12,558	193.14	0.12
27.90	0.00	12,516	193.14	0.12
28.00	0.00	12,474	193.13	0.12
28.10	0.00	12,432	193.13	0.12
28.20	0.00	12,390	193.13	0.12
28.30	0.00	12,348	193.12	0.12
28.40	0.00	12,306	193.12	0.12
28.50	0.00	12,265	193.12	0.12
28.60	0.00	12,223	193.11	0.11
28.70	0.00	12,182	193.11	0.11
28.80	0.00	12,141	193.10	0.11
28.90	0.00	12,100	193.10	0.11
29.00	0.00	12,060	193.10	0.11
29.10	0.00	12,019	193.09	0.11
29.20	0.00	11,979	193.09	0.11
29.30	0.00	11,939	193.09	0.11
29.40	0.00	11,899	193.08	0.11
29.50	0.00	11,859	193.08	0.11
29.60	0.00	11,819	193.07	0.11
29.70	0.00	11,779	193.07	0.11
29.80	0.00	11,740	193.07	0.11
29.90	0.00	11,701	193.06	0.11
30.00	0.00	11,662	193.06	0.11
30.10	0.00	11,623	193.06	0.11
30.20	0.00	11,584	193.05	0.11
30.30	0.00	11,545	193.05	0.11
30.40	0.00	11,507	193.05	0.11
30.50	0.00	11,468	193.04	0.11
30.60	0.00	11,430	193.04	0.11
30.70	0.00	11,392	193.04	0.11
30.80	0.00	11,354	193.03	0.10
30.90	0.00	11,317	193.03	0.10
31.00	0.00	11,279	193.03	0.10
31.10	0.00	11,242	193.02	0.10

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	11,205	193.02	0.10
31.30	0.00	11,168	193.02	0.10
31.40	0.00	11,131	193.01	0.10
31.50	0.00	11,094	193.01	0.10
31.60	0.00	11,057	193.01	0.10
31.70	0.00	11,021	193.00	0.10
31.80	0.00	10,985	193.00	0.10
31.90	0.00	10,949	193.00	0.10
32.00	0.00	10,913	192.99	0.10
32.10	0.00	10,877	192.99	0.10
32.20	0.00	10,841	192.99	0.10
32.30	0.00	10,806	192.98	0.10
32.40	0.00	10,771	192.98	0.10
32.50	0.00	10,736	192.98	0.10
32.60	0.00	10,701	192.97	0.10
32.70	0.00	10,666	192.97	0.10
32.80	0.00	10,631	192.97	0.10
32.90	0.00	10,597	192.96	0.10
33.00	0.00	10,562	192.96	0.10
33.10	0.00	10,528	192.96	0.09
33.20	0.00	10,494	192.95	0.09
33.30	0.00	10,460	192.95	0.09
33.40	0.00	10,426	192.95	0.09
33.50	0.00	10,393	192.95	0.09
33.60	0.00	10,360	192.94	0.09
33.70	0.00	10,326	192.94	0.09
33.80	0.00	10,293	192.94	0.09
33.90	0.00	10,260	192.93	0.09
34.00	0.00	10,228	192.93	0.09
34.10	0.00	10,195	192.93	0.09
34.20	0.00	10,163	192.92	0.09
34.30	0.00	10,130	192.92	0.09
34.40	0.00	10,098	192.92	0.09
34.50	0.00	10,066	192.92	0.09
34.60	0.00	10,034	192.91	0.09
34.70	0.00	10,003	192.91	0.09
34.80	0.00	9,971	192.91	0.09
34.90	0.00	9,940	192.90	0.09
35.00	0.00	9,909	192.90	0.09
35.10	0.00	9,878	192.90	0.09
35.20	0.00	9,847	192.90	0.09
35.30	0.00	9,816	192.89	0.09
35.40	0.00	9,786	192.89	0.08
35.50	0.00	9,755	192.89	0.08
35.60	0.00	9,725	192.88	0.08
35.70	0.00	9,695	192.88	0.08
35.80	0.00	9,665	192.88	0.08
35.90	0.00	9,635	192.88	0.08
36.00	0.00	9,606	192.87	0.08
36.10	0.00	9,576	192.87	0.08
36.20	0.00	9,547	192.87	0.08
36.30	0.00	9,518	192.87	0.08

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	9,489	192.86	0.08
36.50	0.00	9,460	192.86	0.08
36.60	0.00	9,432	192.86	0.08
36.70	0.00	9,403	192.86	0.08
36.80	0.00	9,375	192.85	0.08
36.90	0.00	9,347	192.85	0.08
37.00	0.00	9,319	192.85	0.08
37.10	0.00	9,291	192.84	0.08
37.20	0.00	9,263	192.84	0.08
37.30	0.00	9,236	192.84	0.08
37.40	0.00	9,209	192.84	0.08
37.50	0.00	9,181	192.83	0.08
37.60	0.00	9,154	192.83	0.07
37.70	0.00	9,127	192.83	0.07
37.80	0.00	9,101	192.83	0.07
37.90	0.00	9,074	192.83	0.07
38.00	0.00	9,048	192.82	0.07
38.10	0.00	9,022	192.82	0.07
38.20	0.00	8,996	192.82	0.07
38.30	0.00	8,970	192.82	0.07
38.40	0.00	8,944	192.81	0.07
38.50	0.00	8,918	192.81	0.07
38.60	0.00	8,893	192.81	0.07
38.70	0.00	8,868	192.81	0.07
38.80	0.00	8,842	192.80	0.07
38.90	0.00	8,817	192.80	0.07
39.00	0.00	8,793	192.80	0.07
39.10	0.00	8,768	192.80	0.07
39.20	0.00	8,743	192.80	0.07
39.30	0.00	8,719	192.79	0.07
39.40	0.00	8,695	192.79	0.07
39.50	0.00	8,671	192.79	0.07
39.60	0.00	8,647	192.79	0.07
39.70	0.00	8,623	192.78	0.07
39.80	0.00	8,600	192.78	0.07
39.90	0.00	8,577	192.78	0.06
40.00	0.00	8,553	192.78	0.06

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0	192.52	10,996	5,718
192.01	10,996	110	192.53	10,996	5,828
192.02	10,996	220	192.54	10,996	5,938
192.03	10,996	330	192.55	10,996	6,048
192.04	10,996	440	192.56	10,996	6,158
192.05	10,996	550	192.57	10,996	6,268
192.06	10,996	660	192.58	10,996	6,378
192.07	10,996	770	192.59	10,996	6,488
192.08	10,996	880	192.60	10,996	6,598
192.09	10,996	990	192.61	10,996	6,708
192.10	10,996	1,100	192.62	10,996	6,818
192.11	10,996	1,210	192.63	10,996	6,927
192.12	10,996	1,320	192.64	10,996	7,037
192.13	10,996	1,429	192.65	10,996	7,147
192.14	10,996	1,539	192.66	10,996	7,257
192.15	10,996	1,649	192.67	10,996	7,367
192.16	10,996	1,759	192.68	10,996	7,477
192.17	10,996	1,869	192.69	10,996	7,587
192.18	10,996	1,979	192.70	10,996	7,697
192.19	10,996	2,089	192.71	10,996	7,807
192.20	10,996	2,199	192.72	10,996	7,917
192.21	10,996	2,309	192.73	10,996	8,027
192.22	10,996	2,419	192.74	10,996	8,137
192.23	10,996	2,529	192.75	10,996	8,247
192.24	10,996	2,639	192.76	10,996	8,357
192.25	10,996	2,749	192.77	10,996	8,467
192.26	10,996	2,859	192.78	10,996	8,577
192.27	10,996	2,969	192.79	10,996	8,687
192.28	10,996	3,079	192.80	10,996	8,797
192.29	10,996	3,189	192.81	10,996	8,907
192.30	10,996	3,299	192.82	10,996	9,017
192.31	10,996	3,409	192.83	10,996	9,127
192.32	10,996	3,519	192.84	10,996	9,237
192.33	10,996	3,629	192.85	10,996	9,347
192.34	10,996	3,739	192.86	10,996	9,457
192.35	10,996	3,849	192.87	10,996	9,567
192.36	10,996	3,959	192.88	10,996	9,676
192.37	10,996	4,069	192.89	10,996	9,786
192.38	10,996	4,178	192.90	10,996	9,896
192.39	10,996	4,288	192.91	10,996	10,006
192.40	10,996	4,398	192.92	10,996	10,116
192.41	10,996	4,508	192.93	10,996	10,226
192.42	10,996	4,618	192.94	10,996	10,336
192.43	10,996	4,728	192.95	10,996	10,446
192.44	10,996	4,838	192.96	10,996	10,556
192.45	10,996	4,948	192.97	10,996	10,666
192.46	10,996	5,058	192.98	10,996	10,776
192.47	10,996	5,168	192.99	10,996	10,886
192.48	10,996	5,278	193.00	10,996	10,996
192.49	10,996	5,388	193.01	10,996	11,106
192.50	10,996	5,498	193.02	10,996	11,216
192.51	10,996	5,608	193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872	194.60	10,996	28,590
194.09	10,996	22,982	194.61	10,996	28,700
194.10	10,996	23,092	194.62	10,996	28,810
194.11	10,996	23,202	194.63	10,996	28,919
194.12	10,996	23,312	194.64	10,996	29,029
194.13	10,996	23,421	194.65	10,996	29,139
194.14	10,996	23,531	194.66	10,996	29,249
194.15	10,996	23,641	194.67	10,996	29,359
194.16	10,996	23,751	194.68	10,996	29,469
194.17	10,996	23,861	194.69	10,996	29,579
194.18	10,996	23,971	194.70	10,996	29,689
194.19	10,996	24,081	194.71	10,996	29,799
194.20	10,996	24,191	194.72	10,996	29,909
194.21	10,996	24,301	194.73	10,996	30,019
194.22	10,996	24,411	194.74	10,996	30,129
194.23	10,996	24,521	194.75	10,996	30,239
194.24	10,996	24,631	194.76	10,996	30,349
194.25	10,996	24,741	194.77	10,996	30,459
194.26	10,996	24,851	194.78	10,996	30,569
194.27	10,996	24,961	194.79	10,996	30,679
194.28	10,996	25,071	194.80	10,996	30,789
194.29	10,996	25,181	194.81	10,996	30,899
194.30	10,996	25,291	194.82	10,996	31,009
194.31	10,996	25,401	194.83	10,996	31,119
194.32	10,996	25,511	194.84	10,996	31,229
194.33	10,996	25,621	194.85	10,996	31,339
194.34	10,996	25,731	194.86	10,996	31,449
194.35	10,996	25,841	194.87	10,996	31,559
194.36	10,996	25,951	194.88	10,996	31,668
194.37	10,996	26,061	194.89	10,996	31,778
194.38	10,996	26,170	194.90	10,996	31,888
194.39	10,996	26,280	194.91	10,996	31,998
194.40	10,996	26,390	194.92	10,996	32,108
194.41	10,996	26,500	194.93	10,996	32,218
194.42	10,996	26,610	194.94	10,996	32,328
194.43	10,996	26,720	194.95	10,996	32,438
194.44	10,996	26,830	194.96	10,996	32,548
194.45	10,996	26,940	194.97	10,996	32,658
194.46	10,996	27,050	194.98	10,996	32,768
194.47	10,996	27,160	194.99	10,996	32,878
194.48	10,996	27,270	195.00	10,996	32,988
194.49	10,996	27,380	195.01	10,996	33,098
194.50	10,996	27,490	195.02	10,996	33,208
194.51	10,996	27,600	195.03	10,996	33,318
194.52	10,996	27,710	195.04	10,996	33,428
194.53	10,996	27,820	195.05	10,996	33,538
194.54	10,996	27,930	195.06	10,996	33,648
194.55	10,996	28,040	195.07	10,996	33,758
194.56	10,996	28,150	195.08	10,996	33,868
194.57	10,996	28,260	195.09	10,996	33,978
194.58	10,996	28,370	195.10	10,996	34,088
194.59	10,996	28,480	195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 1.61" for Current 2 yr event
Inflow = 4.19 cfs @ 12.10 hrs, Volume= 0.287 af
Outflow = 0.13 cfs @ 16.07 hrs, Volume= 0.208 af, Atten= 97%, Lag= 237.8 min
Primary = 0.13 cfs @ 16.07 hrs, Volume= 0.208 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.95' @ 16.07 hrs Surf.Area= 8,960 sf Storage= 8,529 cf

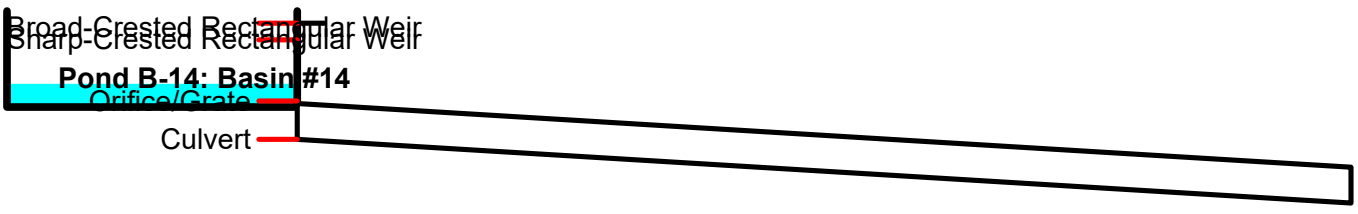
Plug-Flow detention time= 692.3 min calculated for 0.208 af (72% of inflow)
Center-of-Mass det. time= 589.7 min (1,402.0 - 812.3)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

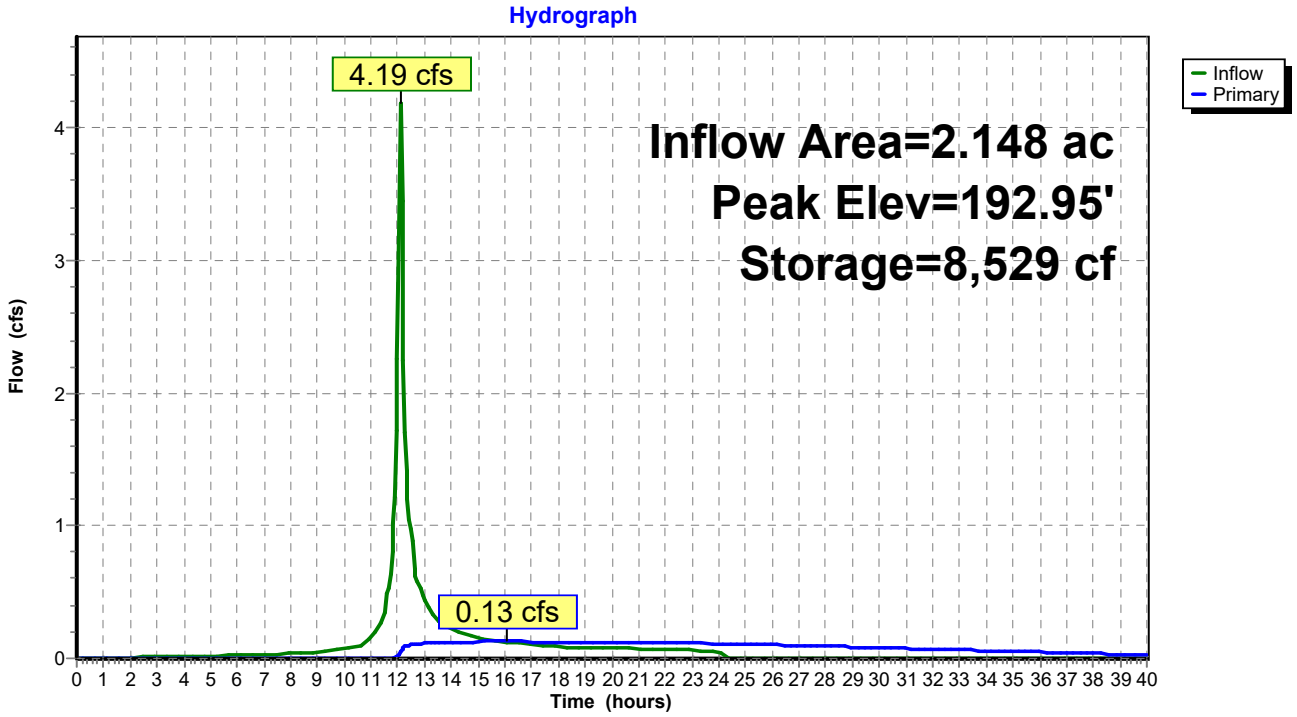
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 16.07 hrs HW=192.95' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 10.60 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.69 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	0	192.00	0.00
1.30	0.00	0	192.00	0.00
1.40	0.00	1	192.00	0.00
1.50	0.00	2	192.00	0.00
1.60	0.00	2	192.00	0.00
1.70	0.00	4	192.00	0.00
1.80	0.00	5	192.00	0.00
1.90	0.00	7	192.00	0.00
2.00	0.01	9	192.00	0.00
2.10	0.01	11	192.00	0.00
2.20	0.01	13	192.00	0.00
2.30	0.01	15	192.00	0.00
2.40	0.01	18	192.00	0.00
2.50	0.01	21	192.00	0.00
2.60	0.01	24	192.00	0.00
2.70	0.01	27	192.00	0.00
2.80	0.01	30	192.00	0.00
2.90	0.01	34	192.00	0.00
3.00	0.01	38	192.00	0.00
3.10	0.01	41	192.00	0.00
3.20	0.01	45	192.01	0.00
3.30	0.01	50	192.01	0.00
3.40	0.01	54	192.01	0.00
3.50	0.01	58	192.01	0.00
3.60	0.01	63	192.01	0.00
3.70	0.01	68	192.01	0.00
3.80	0.01	73	192.01	0.00
3.90	0.01	78	192.01	0.00
4.00	0.01	83	192.01	0.00
4.10	0.02	89	192.01	0.00
4.20	0.02	94	192.01	0.00
4.30	0.02	100	192.01	0.00
4.40	0.02	105	192.01	0.00
4.50	0.02	111	192.01	0.00
4.60	0.02	117	192.01	0.00
4.70	0.02	123	192.01	0.00
4.80	0.02	130	192.01	0.00
4.90	0.02	136	192.02	0.00
5.00	0.02	143	192.02	0.00
5.10	0.02	149	192.02	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	156	192.02	0.00
5.30	0.02	163	192.02	0.00
5.40	0.02	170	192.02	0.00
5.50	0.02	177	192.02	0.00
5.60	0.02	184	192.02	0.00
5.70	0.02	191	192.02	0.00
5.80	0.02	199	192.02	0.00
5.90	0.02	206	192.02	0.00
6.00	0.02	214	192.02	0.00
6.10	0.02	222	192.02	0.00
6.20	0.02	230	192.03	0.00
6.30	0.02	238	192.03	0.00
6.40	0.02	247	192.03	0.00
6.50	0.02	255	192.03	0.00
6.60	0.03	264	192.03	0.00
6.70	0.03	274	192.03	0.00
6.80	0.03	283	192.03	0.00
6.90	0.03	293	192.03	0.00
7.00	0.03	303	192.03	0.00
7.10	0.03	314	192.04	0.00
7.20	0.03	324	192.04	0.00
7.30	0.03	335	192.04	0.00
7.40	0.03	346	192.04	0.00
7.50	0.03	358	192.04	0.00
7.60	0.03	369	192.04	0.00
7.70	0.03	381	192.04	0.00
7.80	0.03	394	192.04	0.00
7.90	0.04	406	192.05	0.00
8.00	0.04	419	192.05	0.00
8.10	0.04	432	192.05	0.00
8.20	0.04	445	192.05	0.00
8.30	0.04	459	192.05	0.00
8.40	0.04	473	192.05	0.00
8.50	0.04	487	192.05	0.00
8.60	0.04	501	192.06	0.00
8.70	0.04	516	192.06	0.00
8.80	0.04	531	192.06	0.00
8.90	0.04	546	192.06	0.00
9.00	0.04	562	192.06	0.00
9.10	0.05	578	192.06	0.00
9.20	0.05	595	192.07	0.00
9.30	0.05	613	192.07	0.00
9.40	0.05	631	192.07	0.00
9.50	0.06	651	192.07	0.00
9.60	0.06	672	192.07	0.00
9.70	0.06	693	192.08	0.00
9.80	0.06	716	192.08	0.00
9.90	0.07	739	192.08	0.00
10.00	0.07	763	192.09	0.00
10.10	0.07	789	192.09	0.00
10.20	0.07	815	192.09	0.00
10.30	0.08	842	192.09	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.08	870	192.10	0.00
10.50	0.08	899	192.10	0.00
10.60	0.09	930	192.10	0.00
10.70	0.10	965	192.11	0.00
10.80	0.12	1,005	192.11	0.00
10.90	0.13	1,050	192.12	0.00
11.00	0.15	1,101	192.12	0.00
11.10	0.18	1,160	192.13	0.00
11.20	0.21	1,229	192.14	0.00
11.30	0.24	1,309	192.15	0.00
11.40	0.27	1,402	192.16	0.00
11.50	0.31	1,508	192.17	0.00
11.60	0.49	1,653	192.18	0.00
11.70	0.57	1,844	192.21	0.00
11.80	0.81	2,092	192.23	0.00
11.90	1.22	2,457	192.27	0.00
12.00	2.25	3,077	192.34	0.01
12.10	**4.18**	4,223	192.47	0.05
12.20	2.24	5,397	192.60	0.08
12.30	1.41	6,002	192.67	0.09
12.40	1.04	6,405	192.71	0.10
12.50	0.95	6,723	192.75	0.10
12.60	0.67	6,979	192.78	0.11
12.70	0.59	7,165	192.80	0.11
12.80	0.54	7,329	192.82	0.11
12.90	0.49	7,476	192.83	0.11
13.00	0.45	7,604	192.85	0.11
13.10	0.40	7,714	192.86	0.12
13.20	0.37	7,809	192.87	0.12
13.30	0.34	7,893	192.88	0.12
13.40	0.31	7,967	192.89	0.12
13.50	0.28	8,031	192.90	0.12
13.60	0.26	8,085	192.90	0.12
13.70	0.25	8,132	192.91	0.12
13.80	0.24	8,176	192.91	0.12
13.90	0.23	8,216	192.92	0.12
14.00	0.22	8,255	192.92	0.12
14.10	0.22	8,290	192.93	0.12
14.20	0.21	8,323	192.93	0.12
14.30	0.20	8,353	192.93	0.12
14.40	0.20	8,381	192.94	0.12
14.50	0.19	8,405	192.94	0.12
14.60	0.18	8,427	192.94	0.12
14.70	0.17	8,447	192.94	0.12
14.80	0.17	8,463	192.94	0.13
14.90	0.16	8,477	192.95	0.13
15.00	0.15	8,488	192.95	0.13
15.10	0.15	8,497	192.95	0.13
15.20	0.14	8,503	192.95	0.13
15.30	0.14	8,509	192.95	0.13
15.40	0.14	8,514	192.95	0.13
15.50	0.14	8,518	192.95	0.13

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	8,522	192.95	0.13
15.70	0.13	8,525	192.95	0.13
15.80	0.13	8,527	192.95	0.13
15.90	0.13	8,528	192.95	0.13
16.00	0.13	**8,529**	**192.95**	**0.13**
16.10	0.13	**8,529**	**192.95**	**0.13**
16.20	0.12	8,529	192.95	0.13
16.30	0.12	8,527	192.95	0.13
16.40	0.12	8,525	192.95	0.13
16.50	0.12	8,523	192.95	0.13
16.60	0.12	8,519	192.95	0.13
16.70	0.11	8,515	192.95	0.13
16.80	0.11	8,511	192.95	0.13
16.90	0.11	8,505	192.95	0.13
17.00	0.11	8,499	192.95	0.13
17.10	0.11	8,492	192.95	0.13
17.20	0.10	8,485	192.95	0.13
17.30	0.10	8,477	192.95	0.13
17.40	0.10	8,468	192.95	0.13
17.50	0.10	8,458	192.94	0.12
17.60	0.10	8,448	192.94	0.12
17.70	0.09	8,437	192.94	0.12
17.80	0.09	8,426	192.94	0.12
17.90	0.09	8,414	192.94	0.12
18.00	0.09	8,401	192.94	0.12
18.10	0.09	8,387	192.94	0.12
18.20	0.08	8,373	192.93	0.12
18.30	0.08	8,359	192.93	0.12
18.40	0.08	8,345	192.93	0.12
18.50	0.08	8,330	192.93	0.12
18.60	0.08	8,316	192.93	0.12
18.70	0.08	8,301	192.93	0.12
18.80	0.08	8,286	192.92	0.12
18.90	0.08	8,272	192.92	0.12
19.00	0.08	8,257	192.92	0.12
19.10	0.08	8,242	192.92	0.12
19.20	0.08	8,226	192.92	0.12
19.30	0.08	8,211	192.92	0.12
19.40	0.08	8,196	192.91	0.12
19.50	0.08	8,180	192.91	0.12
19.60	0.08	8,165	192.91	0.12
19.70	0.08	8,149	192.91	0.12
19.80	0.08	8,133	192.91	0.12
19.90	0.08	8,117	192.91	0.12
20.00	0.08	8,101	192.90	0.12
20.10	0.08	8,085	192.90	0.12
20.20	0.08	8,069	192.90	0.12
20.30	0.07	8,053	192.90	0.12
20.40	0.07	8,036	192.90	0.12
20.50	0.07	8,020	192.90	0.12
20.60	0.07	8,003	192.89	0.12
20.70	0.07	7,987	192.89	0.12

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	7,970	192.89	0.12
20.90	0.07	7,953	192.89	0.12
21.00	0.07	7,936	192.89	0.12
21.10	0.07	7,919	192.88	0.12
21.20	0.07	7,902	192.88	0.12
21.30	0.07	7,884	192.88	0.12
21.40	0.07	7,867	192.88	0.12
21.50	0.07	7,849	192.88	0.12
21.60	0.07	7,832	192.87	0.12
21.70	0.07	7,814	192.87	0.12
21.80	0.07	7,796	192.87	0.12
21.90	0.07	7,778	192.87	0.12
22.00	0.07	7,760	192.87	0.12
22.10	0.07	7,742	192.86	0.12
22.20	0.07	7,724	192.86	0.12
22.30	0.06	7,706	192.86	0.12
22.40	0.06	7,687	192.86	0.12
22.50	0.06	7,669	192.86	0.12
22.60	0.06	7,650	192.85	0.11
22.70	0.06	7,632	192.85	0.11
22.80	0.06	7,613	192.85	0.11
22.90	0.06	7,594	192.85	0.11
23.00	0.06	7,575	192.85	0.11
23.10	0.06	7,556	192.84	0.11
23.20	0.06	7,537	192.84	0.11
23.30	0.06	7,517	192.84	0.11
23.40	0.06	7,498	192.84	0.11
23.50	0.06	7,479	192.83	0.11
23.60	0.06	7,459	192.83	0.11
23.70	0.06	7,439	192.83	0.11
23.80	0.06	7,420	192.83	0.11
23.90	0.06	7,400	192.83	0.11
24.00	0.07	7,382	192.82	0.11
24.10	0.01	7,357	192.82	0.11
24.20	0.00	7,319	192.82	0.11
24.30	0.00	7,280	192.81	0.11
24.40	0.00	7,240	192.81	0.11
24.50	0.00	7,201	192.80	0.11
24.60	0.00	7,162	192.80	0.11
24.70	0.00	7,123	192.79	0.11
24.80	0.00	7,084	192.79	0.11
24.90	0.00	7,046	192.79	0.11
25.00	0.00	7,007	192.78	0.11
25.10	0.00	6,969	192.78	0.11
25.20	0.00	6,931	192.77	0.10
25.30	0.00	6,894	192.77	0.10
25.40	0.00	6,856	192.77	0.10
25.50	0.00	6,819	192.76	0.10
25.60	0.00	6,782	192.76	0.10
25.70	0.00	6,745	192.75	0.10
25.80	0.00	6,708	192.75	0.10
25.90	0.00	6,672	192.74	0.10

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,635	192.74	0.10
26.10	0.00	6,599	192.74	0.10
26.20	0.00	6,563	192.73	0.10
26.30	0.00	6,527	192.73	0.10
26.40	0.00	6,492	192.72	0.10
26.50	0.00	6,456	192.72	0.10
26.60	0.00	6,421	192.72	0.10
26.70	0.00	6,386	192.71	0.10
26.80	0.00	6,352	192.71	0.10
26.90	0.00	6,317	192.71	0.10
27.00	0.00	6,283	192.70	0.10
27.10	0.00	6,248	192.70	0.09
27.20	0.00	6,214	192.69	0.09
27.30	0.00	6,181	192.69	0.09
27.40	0.00	6,147	192.69	0.09
27.50	0.00	6,114	192.68	0.09
27.60	0.00	6,080	192.68	0.09
27.70	0.00	6,047	192.67	0.09
27.80	0.00	6,014	192.67	0.09
27.90	0.00	5,982	192.67	0.09
28.00	0.00	5,949	192.66	0.09
28.10	0.00	5,917	192.66	0.09
28.20	0.00	5,885	192.66	0.09
28.30	0.00	5,853	192.65	0.09
28.40	0.00	5,822	192.65	0.09
28.50	0.00	5,790	192.65	0.09
28.60	0.00	5,759	192.64	0.09
28.70	0.00	5,728	192.64	0.09
28.80	0.00	5,697	192.64	0.09
28.90	0.00	5,666	192.63	0.08
29.00	0.00	5,636	192.63	0.08
29.10	0.00	5,605	192.63	0.08
29.20	0.00	5,575	192.62	0.08
29.30	0.00	5,545	192.62	0.08
29.40	0.00	5,516	192.62	0.08
29.50	0.00	5,486	192.61	0.08
29.60	0.00	5,457	192.61	0.08
29.70	0.00	5,428	192.61	0.08
29.80	0.00	5,399	192.60	0.08
29.90	0.00	5,370	192.60	0.08
30.00	0.00	5,342	192.60	0.08
30.10	0.00	5,313	192.59	0.08
30.20	0.00	5,285	192.59	0.08
30.30	0.00	5,257	192.59	0.08
30.40	0.00	5,229	192.58	0.08
30.50	0.00	5,202	192.58	0.08
30.60	0.00	5,174	192.58	0.08
30.70	0.00	5,147	192.57	0.08
30.80	0.00	5,120	192.57	0.07
30.90	0.00	5,094	192.57	0.07
31.00	0.00	5,067	192.57	0.07
31.10	0.00	5,041	192.56	0.07

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,014	192.56	0.07
31.30	0.00	4,988	192.56	0.07
31.40	0.00	4,962	192.55	0.07
31.50	0.00	4,937	192.55	0.07
31.60	0.00	4,911	192.55	0.07
31.70	0.00	4,886	192.55	0.07
31.80	0.00	4,861	192.54	0.07
31.90	0.00	4,836	192.54	0.07
32.00	0.00	4,812	192.54	0.07
32.10	0.00	4,787	192.53	0.07
32.20	0.00	4,763	192.53	0.07
32.30	0.00	4,739	192.53	0.07
32.40	0.00	4,715	192.53	0.07
32.50	0.00	4,692	192.52	0.07
32.60	0.00	4,668	192.52	0.06
32.70	0.00	4,645	192.52	0.06
32.80	0.00	4,622	192.52	0.06
32.90	0.00	4,599	192.51	0.06
33.00	0.00	4,576	192.51	0.06
33.10	0.00	4,554	192.51	0.06
33.20	0.00	4,531	192.51	0.06
33.30	0.00	4,509	192.50	0.06
33.40	0.00	4,487	192.50	0.06
33.50	0.00	4,466	192.50	0.06
33.60	0.00	4,444	192.50	0.06
33.70	0.00	4,423	192.49	0.06
33.80	0.00	4,402	192.49	0.06
33.90	0.00	4,381	192.49	0.06
34.00	0.00	4,360	192.49	0.06
34.10	0.00	4,340	192.48	0.06
34.20	0.00	4,319	192.48	0.06
34.30	0.00	4,299	192.48	0.06
34.40	0.00	4,279	192.48	0.06
34.50	0.00	4,259	192.48	0.05
34.60	0.00	4,240	192.47	0.05
34.70	0.00	4,220	192.47	0.05
34.80	0.00	4,201	192.47	0.05
34.90	0.00	4,182	192.47	0.05
35.00	0.00	4,163	192.46	0.05
35.10	0.00	4,145	192.46	0.05
35.20	0.00	4,127	192.46	0.05
35.30	0.00	4,108	192.46	0.05
35.40	0.00	4,090	192.46	0.05
35.50	0.00	4,073	192.45	0.05
35.60	0.00	4,055	192.45	0.05
35.70	0.00	4,038	192.45	0.05
35.80	0.00	4,021	192.45	0.05
35.90	0.00	4,004	192.45	0.05
36.00	0.00	3,987	192.44	0.05
36.10	0.00	3,970	192.44	0.05
36.20	0.00	3,954	192.44	0.05
36.30	0.00	3,937	192.44	0.05

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,921	192.44	0.04
36.50	0.00	3,905	192.44	0.04
36.60	0.00	3,890	192.43	0.04
36.70	0.00	3,874	192.43	0.04
36.80	0.00	3,859	192.43	0.04
36.90	0.00	3,844	192.43	0.04
37.00	0.00	3,829	192.43	0.04
37.10	0.00	3,815	192.43	0.04
37.20	0.00	3,800	192.42	0.04
37.30	0.00	3,786	192.42	0.04
37.40	0.00	3,772	192.42	0.04
37.50	0.00	3,758	192.42	0.04
37.60	0.00	3,745	192.42	0.04
37.70	0.00	3,732	192.42	0.04
37.80	0.00	3,718	192.41	0.04
37.90	0.00	3,705	192.41	0.04
38.00	0.00	3,693	192.41	0.04
38.10	0.00	3,680	192.41	0.03
38.20	0.00	3,667	192.41	0.03
38.30	0.00	3,655	192.41	0.03
38.40	0.00	3,643	192.41	0.03
38.50	0.00	3,631	192.41	0.03
38.60	0.00	3,619	192.40	0.03
38.70	0.00	3,608	192.40	0.03
38.80	0.00	3,596	192.40	0.03
38.90	0.00	3,585	192.40	0.03
39.00	0.00	3,574	192.40	0.03
39.10	0.00	3,563	192.40	0.03
39.20	0.00	3,552	192.40	0.03
39.30	0.00	3,542	192.40	0.03
39.40	0.00	3,531	192.39	0.03
39.50	0.00	3,521	192.39	0.03
39.60	0.00	3,510	192.39	0.03
39.70	0.00	3,500	192.39	0.03
39.80	0.00	3,490	192.39	0.03
39.90	0.00	3,481	192.39	0.03
40.00	0.00	3,471	192.39	0.03

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 2.30" for Current 2 yr event
Inflow = 6.66 cfs @ 12.09 hrs, Volume= 0.453 af
Outflow = 0.22 cfs @ 14.73 hrs, Volume= 0.299 af, Atten= 97%, Lag= 158.7 min
Primary = 0.22 cfs @ 14.73 hrs, Volume= 0.299 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 198.02' @ 14.73 hrs Surf.Area= 7,058 sf Storage= 14,250 cf

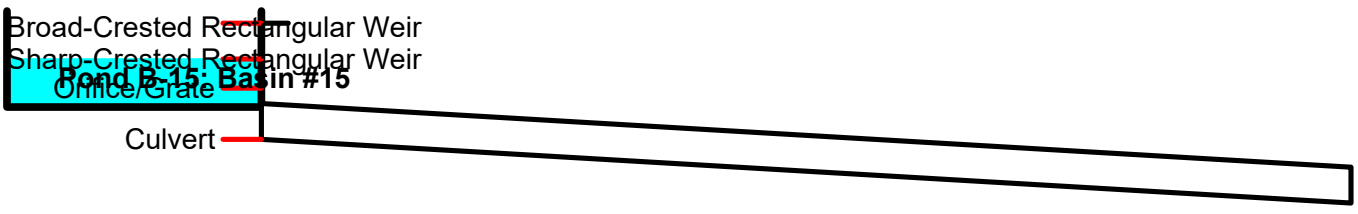
Plug-Flow detention time= 730.7 min calculated for 0.299 af (66% of inflow)
Center-of-Mass det. time= 625.0 min (1,400.4 - 775.4)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

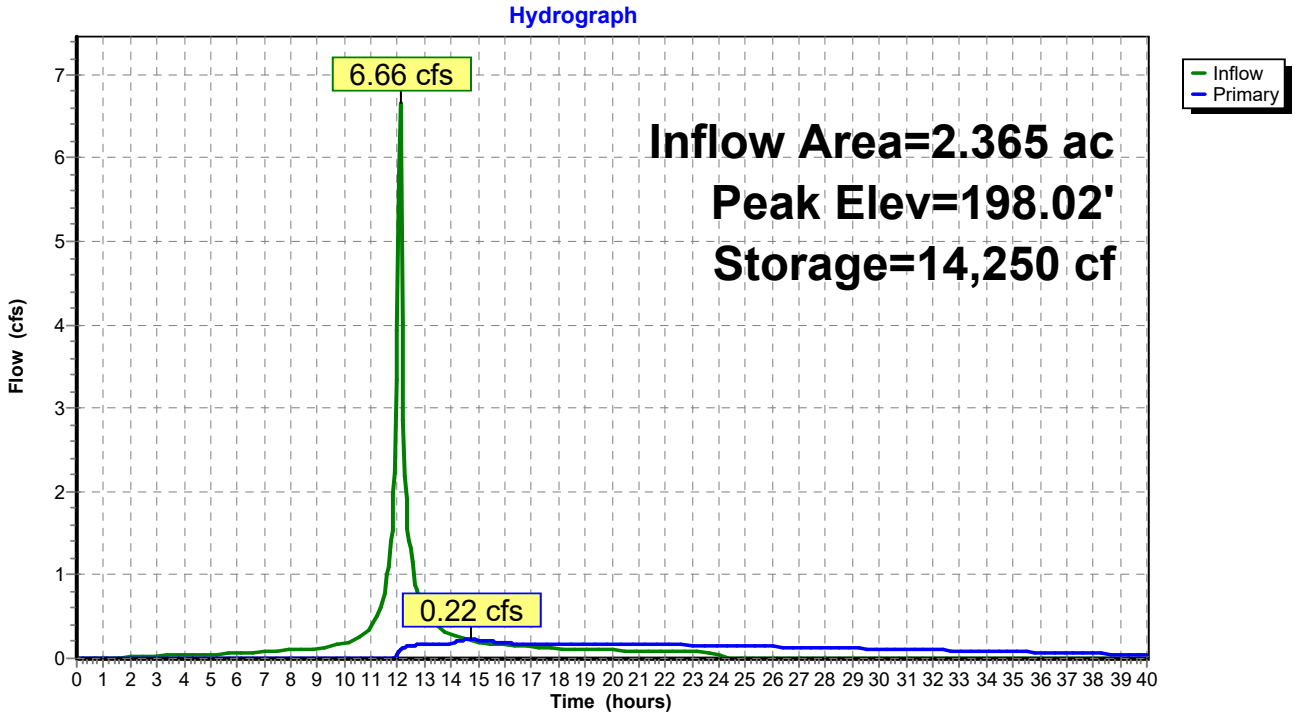
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.21 cfs @ 14.73 hrs HW=198.02' (Free Discharge)
- **1=Culvert** (Passes 0.21 cfs of 13.20 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.13 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.03 cfs @ 0.45 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.00	0	196.00	0.00
0.50	0.00	0	196.00	0.00
0.60	0.00	0	196.00	0.00
0.70	0.00	0	196.00	0.00
0.80	0.00	0	196.00	0.00
0.90	0.00	0	196.00	0.00
1.00	0.00	0	196.00	0.00
1.10	0.00	0	196.00	0.00
1.20	0.00	0	196.00	0.00
1.30	0.00	1	196.00	0.00
1.40	0.00	2	196.00	0.00
1.50	0.01	4	196.00	0.00
1.60	0.01	7	196.00	0.00
1.70	0.01	10	196.00	0.00
1.80	0.01	14	196.00	0.00
1.90	0.01	19	196.00	0.00
2.00	0.01	24	196.00	0.00
2.10	0.02	30	196.00	0.00
2.20	0.02	36	196.01	0.00
2.30	0.02	43	196.01	0.00
2.40	0.02	50	196.01	0.00
2.50	0.02	58	196.01	0.00
2.60	0.02	66	196.01	0.00
2.70	0.02	75	196.01	0.00
2.80	0.03	84	196.01	0.00
2.90	0.03	94	196.01	0.00
3.00	0.03	104	196.01	0.00
3.10	0.03	114	196.02	0.00
3.20	0.03	125	196.02	0.00
3.30	0.03	137	196.02	0.00
3.40	0.03	149	196.02	0.00
3.50	0.03	161	196.02	0.00
3.60	0.04	174	196.02	0.00
3.70	0.04	187	196.03	0.00
3.80	0.04	201	196.03	0.00
3.90	0.04	214	196.03	0.00
4.00	0.04	229	196.03	0.00
4.10	0.04	243	196.03	0.00
4.20	0.04	258	196.04	0.00
4.30	0.04	274	196.04	0.00
4.40	0.04	290	196.04	0.00
4.50	0.05	306	196.04	0.00
4.60	0.05	322	196.05	0.00
4.70	0.05	339	196.05	0.00
4.80	0.05	356	196.05	0.00
4.90	0.05	374	196.05	0.00
5.00	0.05	391	196.06	0.00
5.10	0.05	410	196.06	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	428	196.06	0.00
5.30	0.05	447	196.06	0.00
5.40	0.05	466	196.07	0.00
5.50	0.05	485	196.07	0.00
5.60	0.06	505	196.07	0.00
5.70	0.06	525	196.07	0.00
5.80	0.06	545	196.08	0.00
5.90	0.06	566	196.08	0.00
6.00	0.06	586	196.08	0.00
6.10	0.06	608	196.09	0.00
6.20	0.06	630	196.09	0.00
6.30	0.06	653	196.09	0.00
6.40	0.07	676	196.10	0.00
6.50	0.07	700	196.10	0.00
6.60	0.07	725	196.10	0.00
6.70	0.07	751	196.11	0.00
6.80	0.07	777	196.11	0.00
6.90	0.08	804	196.11	0.00
7.00	0.08	832	196.12	0.00
7.10	0.08	860	196.12	0.00
7.20	0.08	889	196.13	0.00
7.30	0.08	919	196.13	0.00
7.40	0.09	950	196.13	0.00
7.50	0.09	981	196.14	0.00
7.60	0.09	1,013	196.14	0.00
7.70	0.09	1,046	196.15	0.00
7.80	0.09	1,079	196.15	0.00
7.90	0.10	1,114	196.16	0.00
8.00	0.10	1,149	196.16	0.00
8.10	0.10	1,185	196.17	0.00
8.20	0.10	1,221	196.17	0.00
8.30	0.10	1,258	196.18	0.00
8.40	0.11	1,296	196.18	0.00
8.50	0.11	1,335	196.19	0.00
8.60	0.11	1,374	196.19	0.00
8.70	0.11	1,414	196.20	0.00
8.80	0.11	1,455	196.21	0.00
8.90	0.12	1,497	196.21	0.00
9.00	0.12	1,539	196.22	0.00
9.10	0.13	1,584	196.22	0.00
9.20	0.13	1,630	196.23	0.00
9.30	0.14	1,680	196.24	0.00
9.40	0.15	1,731	196.25	0.00
9.50	0.15	1,785	196.25	0.00
9.60	0.16	1,842	196.26	0.00
9.70	0.17	1,901	196.27	0.00
9.80	0.17	1,962	196.28	0.00
9.90	0.18	2,027	196.29	0.00
10.00	0.19	2,093	196.30	0.00
10.10	0.19	2,162	196.31	0.00
10.20	0.20	2,234	196.32	0.00
10.30	0.21	2,309	196.33	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.22	2,386	196.34	0.00
10.50	0.22	2,465	196.35	0.00
10.60	0.25	2,552	196.36	0.00
10.70	0.28	2,648	196.38	0.00
10.80	0.31	2,754	196.39	0.00
10.90	0.34	2,871	196.41	0.00
11.00	0.37	2,999	196.42	0.00
11.10	0.42	3,143	196.45	0.00
11.20	0.48	3,307	196.47	0.00
11.30	0.54	3,493	196.49	0.00
11.40	0.60	3,699	196.52	0.00
11.50	0.66	3,926	196.56	0.00
11.60	1.01	4,241	196.60	0.00
11.70	1.11	4,624	196.66	0.00
11.80	1.54	5,115	196.72	0.00
11.90	2.22	5,809	196.82	0.00
12.00	3.92	6,955	196.99	0.05
12.10	**6.54**	8,912	197.26	0.10
12.20	2.85	10,439	197.48	0.13
12.30	1.91	11,212	197.59	0.14
12.40	1.40	11,739	197.66	0.14
12.50	1.29	12,167	197.72	0.15
12.60	0.88	12,491	197.77	0.15
12.70	0.80	12,734	197.80	0.16
12.80	0.73	12,949	197.83	0.16
12.90	0.66	13,140	197.86	0.16
13.00	0.59	13,305	197.89	0.16
13.10	0.53	13,445	197.90	0.17
13.20	0.49	13,565	197.92	0.17
13.30	0.45	13,672	197.94	0.17
13.40	0.41	13,765	197.95	0.17
13.50	0.37	13,844	197.96	0.17
13.60	0.34	13,910	197.97	0.17
13.70	0.33	13,967	197.98	0.17
13.80	0.32	14,020	197.99	0.17
13.90	0.31	14,070	197.99	0.17
14.00	0.30	14,115	198.00	0.17
14.10	0.29	14,155	198.01	0.19
14.20	0.28	14,186	198.01	0.20
14.30	0.27	14,210	198.01	0.21
14.40	0.26	14,228	198.02	0.22
14.50	0.25	14,240	198.02	0.22
14.60	0.24	14,247	198.02	0.22
14.70	0.23	**14,250**	**198.02**	**0.22**
14.80	0.22	**14,250**	**198.02**	**0.22**
14.90	0.21	14,246	198.02	0.22
15.00	0.20	14,239	198.02	0.22
15.10	0.19	14,230	198.02	0.22
15.20	0.19	14,220	198.01	0.21
15.30	0.18	14,210	198.01	0.21
15.40	0.18	14,201	198.01	0.21
15.50	0.18	14,192	198.01	0.20

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	14,183	198.01	0.20
15.70	0.17	14,175	198.01	0.20
15.80	0.17	14,166	198.01	0.19
15.90	0.17	14,158	198.01	0.19
16.00	0.16	14,150	198.00	0.19
16.10	0.16	14,143	198.00	0.18
16.20	0.16	14,135	198.00	0.18
16.30	0.16	14,128	198.00	0.18
16.40	0.15	14,120	198.00	0.17
16.50	0.15	14,113	198.00	0.17
16.60	0.15	14,104	198.00	0.17
16.70	0.15	14,095	198.00	0.17
16.80	0.14	14,085	198.00	0.17
16.90	0.14	14,074	197.99	0.17
17.00	0.14	14,062	197.99	0.17
17.10	0.14	14,050	197.99	0.17
17.20	0.13	14,036	197.99	0.17
17.30	0.13	14,022	197.99	0.17
17.40	0.13	14,006	197.98	0.17
17.50	0.13	13,990	197.98	0.17
17.60	0.12	13,973	197.98	0.17
17.70	0.12	13,955	197.98	0.17
17.80	0.12	13,936	197.97	0.17
17.90	0.12	13,916	197.97	0.17
18.00	0.11	13,895	197.97	0.17
18.10	0.11	13,874	197.97	0.17
18.20	0.11	13,852	197.96	0.17
18.30	0.11	13,829	197.96	0.17
18.40	0.11	13,807	197.96	0.17
18.50	0.11	13,784	197.95	0.17
18.60	0.11	13,762	197.95	0.17
18.70	0.11	13,739	197.95	0.17
18.80	0.11	13,716	197.94	0.17
18.90	0.10	13,693	197.94	0.17
19.00	0.10	13,670	197.94	0.17
19.10	0.10	13,646	197.93	0.17
19.20	0.10	13,623	197.93	0.17
19.30	0.10	13,599	197.93	0.17
19.40	0.10	13,575	197.92	0.17
19.50	0.10	13,551	197.92	0.17
19.60	0.10	13,527	197.92	0.17
19.70	0.10	13,503	197.91	0.17
19.80	0.10	13,479	197.91	0.17
19.90	0.10	13,455	197.91	0.17
20.00	0.10	13,430	197.90	0.17
20.10	0.10	13,405	197.90	0.17
20.20	0.10	13,380	197.90	0.17
20.30	0.10	13,355	197.89	0.16
20.40	0.09	13,330	197.89	0.16
20.50	0.09	13,305	197.89	0.16
20.60	0.09	13,280	197.88	0.16
20.70	0.09	13,254	197.88	0.16

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	13,229	197.87	0.16
20.90	0.09	13,203	197.87	0.16
21.00	0.09	13,177	197.87	0.16
21.10	0.09	13,151	197.86	0.16
21.20	0.09	13,125	197.86	0.16
21.30	0.09	13,098	197.86	0.16
21.40	0.09	13,072	197.85	0.16
21.50	0.09	13,045	197.85	0.16
21.60	0.09	13,019	197.84	0.16
21.70	0.09	12,992	197.84	0.16
21.80	0.09	12,965	197.84	0.16
21.90	0.08	12,938	197.83	0.16
22.00	0.08	12,911	197.83	0.16
22.10	0.08	12,884	197.83	0.16
22.20	0.08	12,856	197.82	0.16
22.30	0.08	12,829	197.82	0.16
22.40	0.08	12,801	197.81	0.16
22.50	0.08	12,773	197.81	0.16
22.60	0.08	12,746	197.81	0.16
22.70	0.08	12,718	197.80	0.16
22.80	0.08	12,690	197.80	0.16
22.90	0.08	12,661	197.79	0.16
23.00	0.08	12,633	197.79	0.16
23.10	0.08	12,605	197.79	0.16
23.20	0.08	12,576	197.78	0.16
23.30	0.08	12,547	197.78	0.16
23.40	0.08	12,518	197.77	0.15
23.50	0.07	12,490	197.77	0.15
23.60	0.07	12,460	197.77	0.15
23.70	0.07	12,431	197.76	0.15
23.80	0.07	12,402	197.76	0.15
23.90	0.07	12,373	197.75	0.15
24.00	0.08	12,346	197.75	0.15
24.10	0.01	12,306	197.74	0.15
24.20	0.00	12,253	197.74	0.15
24.30	0.00	12,199	197.73	0.15
24.40	0.00	12,145	197.72	0.15
24.50	0.00	12,091	197.71	0.15
24.60	0.00	12,037	197.71	0.15
24.70	0.00	11,984	197.70	0.15
24.80	0.00	11,931	197.69	0.15
24.90	0.00	11,878	197.68	0.15
25.00	0.00	11,825	197.68	0.15
25.10	0.00	11,773	197.67	0.15
25.20	0.00	11,720	197.66	0.14
25.30	0.00	11,668	197.65	0.14
25.40	0.00	11,617	197.65	0.14
25.50	0.00	11,565	197.64	0.14
25.60	0.00	11,514	197.63	0.14
25.70	0.00	11,463	197.62	0.14
25.80	0.00	11,412	197.62	0.14
25.90	0.00	11,362	197.61	0.14

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,312	197.60	0.14
26.10	0.00	11,262	197.60	0.14
26.20	0.00	11,212	197.59	0.14
26.30	0.00	11,163	197.58	0.14
26.40	0.00	11,113	197.57	0.14
26.50	0.00	11,064	197.57	0.14
26.60	0.00	11,016	197.56	0.14
26.70	0.00	10,967	197.55	0.13
26.80	0.00	10,919	197.55	0.13
26.90	0.00	10,871	197.54	0.13
27.00	0.00	10,823	197.53	0.13
27.10	0.00	10,776	197.53	0.13
27.20	0.00	10,729	197.52	0.13
27.30	0.00	10,682	197.51	0.13
27.40	0.00	10,635	197.51	0.13
27.50	0.00	10,588	197.50	0.13
27.60	0.00	10,542	197.49	0.13
27.70	0.00	10,496	197.49	0.13
27.80	0.00	10,450	197.48	0.13
27.90	0.00	10,405	197.47	0.13
28.00	0.00	10,360	197.47	0.13
28.10	0.00	10,315	197.46	0.12
28.20	0.00	10,270	197.46	0.12
28.30	0.00	10,225	197.45	0.12
28.40	0.00	10,181	197.44	0.12
28.50	0.00	10,137	197.44	0.12
28.60	0.00	10,093	197.43	0.12
28.70	0.00	10,050	197.42	0.12
28.80	0.00	10,006	197.42	0.12
28.90	0.00	9,963	197.41	0.12
29.00	0.00	9,921	197.41	0.12
29.10	0.00	9,878	197.40	0.12
29.20	0.00	9,836	197.39	0.12
29.30	0.00	9,794	197.39	0.12
29.40	0.00	9,752	197.38	0.12
29.50	0.00	9,710	197.38	0.12
29.60	0.00	9,669	197.37	0.11
29.70	0.00	9,628	197.36	0.11
29.80	0.00	9,587	197.36	0.11
29.90	0.00	9,547	197.35	0.11
30.00	0.00	9,506	197.35	0.11
30.10	0.00	9,466	197.34	0.11
30.20	0.00	9,426	197.34	0.11
30.30	0.00	9,387	197.33	0.11
30.40	0.00	9,348	197.32	0.11
30.50	0.00	9,308	197.32	0.11
30.60	0.00	9,270	197.31	0.11
30.70	0.00	9,231	197.31	0.11
30.80	0.00	9,193	197.30	0.11
30.90	0.00	9,155	197.30	0.11
31.00	0.00	9,117	197.29	0.10
31.10	0.00	9,079	197.29	0.10

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,042	197.28	0.10
31.30	0.00	9,005	197.28	0.10
31.40	0.00	8,968	197.27	0.10
31.50	0.00	8,931	197.27	0.10
31.60	0.00	8,895	197.26	0.10
31.70	0.00	8,859	197.26	0.10
31.80	0.00	8,823	197.25	0.10
31.90	0.00	8,787	197.25	0.10
32.00	0.00	8,752	197.24	0.10
32.10	0.00	8,717	197.24	0.10
32.20	0.00	8,682	197.23	0.10
32.30	0.00	8,647	197.23	0.10
32.40	0.00	8,613	197.22	0.10
32.50	0.00	8,579	197.22	0.09
32.60	0.00	8,545	197.21	0.09
32.70	0.00	8,511	197.21	0.09
32.80	0.00	8,478	197.20	0.09
32.90	0.00	8,445	197.20	0.09
33.00	0.00	8,412	197.19	0.09
33.10	0.00	8,379	197.19	0.09
33.20	0.00	8,347	197.18	0.09
33.30	0.00	8,315	197.18	0.09
33.40	0.00	8,283	197.17	0.09
33.50	0.00	8,251	197.17	0.09
33.60	0.00	8,220	197.16	0.09
33.70	0.00	8,189	197.16	0.09
33.80	0.00	8,158	197.16	0.09
33.90	0.00	8,127	197.15	0.08
34.00	0.00	8,097	197.15	0.08
34.10	0.00	8,067	197.14	0.08
34.20	0.00	8,037	197.14	0.08
34.30	0.00	8,007	197.13	0.08
34.40	0.00	7,978	197.13	0.08
34.50	0.00	7,948	197.13	0.08
34.60	0.00	7,919	197.12	0.08
34.70	0.00	7,891	197.12	0.08
34.80	0.00	7,862	197.11	0.08
34.90	0.00	7,834	197.11	0.08
35.00	0.00	7,806	197.11	0.08
35.10	0.00	7,779	197.10	0.08
35.20	0.00	7,751	197.10	0.08
35.30	0.00	7,724	197.09	0.08
35.40	0.00	7,697	197.09	0.07
35.50	0.00	7,670	197.09	0.07
35.60	0.00	7,644	197.08	0.07
35.70	0.00	7,618	197.08	0.07
35.80	0.00	7,592	197.08	0.07
35.90	0.00	7,566	197.07	0.07
36.00	0.00	7,540	197.07	0.07
36.10	0.00	7,515	197.06	0.07
36.20	0.00	7,490	197.06	0.07
36.30	0.00	7,466	197.06	0.07

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,441	197.05	0.07
36.50	0.00	7,417	197.05	0.07
36.60	0.00	7,393	197.05	0.07
36.70	0.00	7,369	197.04	0.07
36.80	0.00	7,346	197.04	0.06
36.90	0.00	7,323	197.04	0.06
37.00	0.00	7,300	197.03	0.06
37.10	0.00	7,277	197.03	0.06
37.20	0.00	7,254	197.03	0.06
37.30	0.00	7,232	197.02	0.06
37.40	0.00	7,210	197.02	0.06
37.50	0.00	7,188	197.02	0.06
37.60	0.00	7,167	197.02	0.06
37.70	0.00	7,146	197.01	0.06
37.80	0.00	7,125	197.01	0.06
37.90	0.00	7,104	197.01	0.06
38.00	0.00	7,083	197.00	0.06
38.10	0.00	7,063	197.00	0.06
38.20	0.00	7,043	197.00	0.06
38.30	0.00	7,023	197.00	0.05
38.40	0.00	7,004	196.99	0.05
38.50	0.00	6,985	196.99	0.05
38.60	0.00	6,966	196.99	0.05
38.70	0.00	6,947	196.98	0.05
38.80	0.00	6,928	196.98	0.05
38.90	0.00	6,910	196.98	0.05
39.00	0.00	6,892	196.98	0.05
39.10	0.00	6,874	196.97	0.05
39.20	0.00	6,857	196.97	0.05
39.30	0.00	6,840	196.97	0.05
39.40	0.00	6,823	196.97	0.05
39.50	0.00	6,806	196.96	0.05
39.60	0.00	6,789	196.96	0.05
39.70	0.00	6,773	196.96	0.05
39.80	0.00	6,757	196.96	0.04
39.90	0.00	6,741	196.96	0.04
40.00	0.00	6,726	196.95	0.04

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0	196.52	7,058	3,670
196.01	7,058	71	196.53	7,058	3,741
196.02	7,058	141	196.54	7,058	3,811
196.03	7,058	212	196.55	7,058	3,882
196.04	7,058	282	196.56	7,058	3,952
196.05	7,058	353	196.57	7,058	4,023
196.06	7,058	423	196.58	7,058	4,094
196.07	7,058	494	196.59	7,058	4,164
196.08	7,058	565	196.60	7,058	4,235
196.09	7,058	635	196.61	7,058	4,305
196.10	7,058	706	196.62	7,058	4,376
196.11	7,058	776	196.63	7,058	4,447
196.12	7,058	847	196.64	7,058	4,517
196.13	7,058	918	196.65	7,058	4,588
196.14	7,058	988	196.66	7,058	4,658
196.15	7,058	1,059	196.67	7,058	4,729
196.16	7,058	1,129	196.68	7,058	4,799
196.17	7,058	1,200	196.69	7,058	4,870
196.18	7,058	1,270	196.70	7,058	4,941
196.19	7,058	1,341	196.71	7,058	5,011
196.20	7,058	1,412	196.72	7,058	5,082
196.21	7,058	1,482	196.73	7,058	5,152
196.22	7,058	1,553	196.74	7,058	5,223
196.23	7,058	1,623	196.75	7,058	5,294
196.24	7,058	1,694	196.76	7,058	5,364
196.25	7,058	1,765	196.77	7,058	5,435
196.26	7,058	1,835	196.78	7,058	5,505
196.27	7,058	1,906	196.79	7,058	5,576
196.28	7,058	1,976	196.80	7,058	5,646
196.29	7,058	2,047	196.81	7,058	5,717
196.30	7,058	2,117	196.82	7,058	5,788
196.31	7,058	2,188	196.83	7,058	5,858
196.32	7,058	2,259	196.84	7,058	5,929
196.33	7,058	2,329	196.85	7,058	5,999
196.34	7,058	2,400	196.86	7,058	6,070
196.35	7,058	2,470	196.87	7,058	6,140
196.36	7,058	2,541	196.88	7,058	6,211
196.37	7,058	2,611	196.89	7,058	6,282
196.38	7,058	2,682	196.90	7,058	6,352
196.39	7,058	2,753	196.91	7,058	6,423
196.40	7,058	2,823	196.92	7,058	6,493
196.41	7,058	2,894	196.93	7,058	6,564
196.42	7,058	2,964	196.94	7,058	6,635
196.43	7,058	3,035	196.95	7,058	6,705
196.44	7,058	3,106	196.96	7,058	6,776
196.45	7,058	3,176	196.97	7,058	6,846
196.46	7,058	3,247	196.98	7,058	6,917
196.47	7,058	3,317	196.99	7,058	6,987
196.48	7,058	3,388	197.00	7,058	7,058
196.49	7,058	3,458	197.01	7,058	7,129
196.50	7,058	3,529	197.02	7,058	7,199
196.51	7,058	3,600	197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 2.04" for Current 2 yr event
Inflow = 5.00 cfs @ 12.07 hrs, Volume= 0.319 af
Outflow = 0.15 cfs @ 14.95 hrs, Volume= 0.224 af, Atten= 97%, Lag= 172.7 min
Primary = 0.15 cfs @ 14.95 hrs, Volume= 0.224 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.45' @ 14.95 hrs Surf.Area= 6,681 sf Storage= 9,679 cf

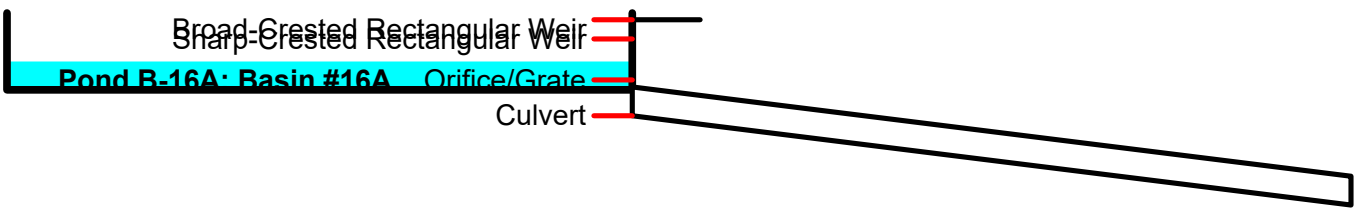
Plug-Flow detention time= 665.2 min calculated for 0.224 af (70% of inflow)
Center-of-Mass det. time= 564.0 min (1,348.4 - 784.4)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

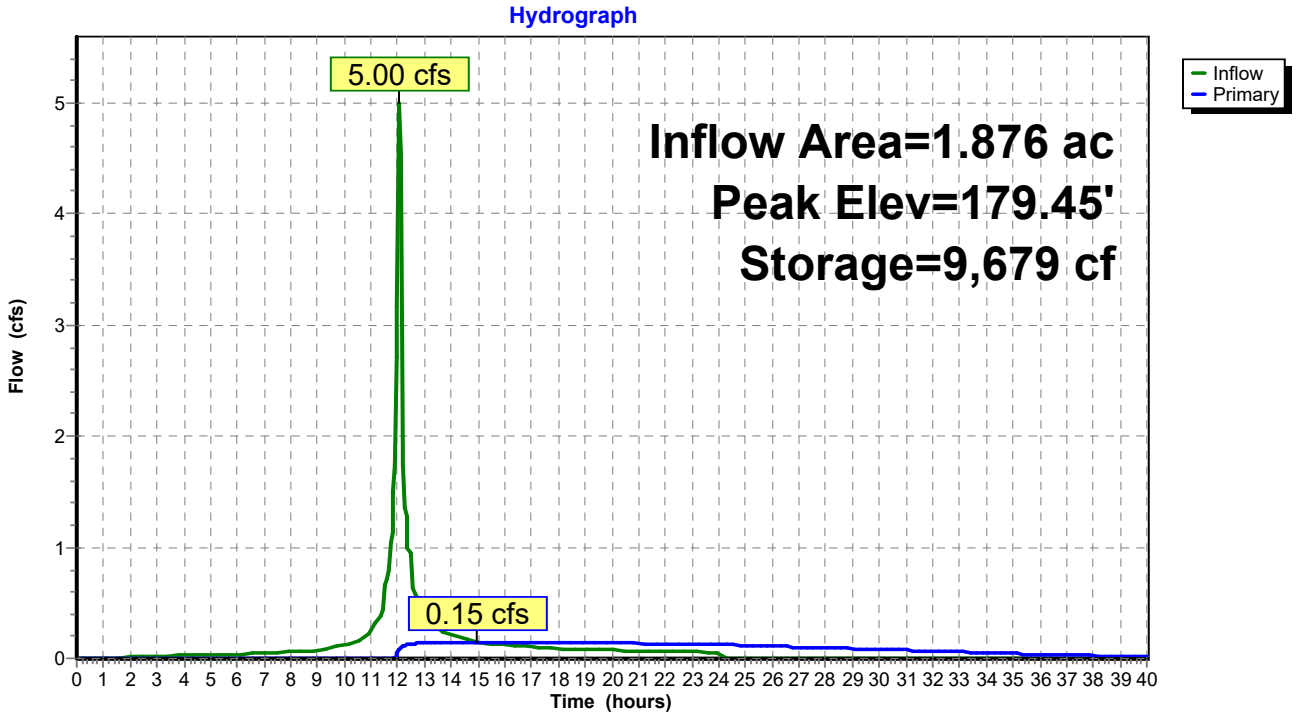
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 14.95 hrs HW=179.45' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 12.18 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.37 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	0	178.00	0.00
1.00	0.00	0	178.00	0.00
1.10	0.00	0	178.00	0.00
1.20	0.00	0	178.00	0.00
1.30	0.00	1	178.00	0.00
1.40	0.00	2	178.00	0.00
1.50	0.00	3	178.00	0.00
1.60	0.01	5	178.00	0.00
1.70	0.01	7	178.00	0.00
1.80	0.01	9	178.00	0.00
1.90	0.01	12	178.00	0.00
2.00	0.01	15	178.00	0.00
2.10	0.01	19	178.00	0.00
2.20	0.01	23	178.00	0.00
2.30	0.01	27	178.00	0.00
2.40	0.01	31	178.00	0.00
2.50	0.01	36	178.01	0.00
2.60	0.01	41	178.01	0.00
2.70	0.02	47	178.01	0.00
2.80	0.02	52	178.01	0.00
2.90	0.02	58	178.01	0.00
3.00	0.02	65	178.01	0.00
3.10	0.02	71	178.01	0.00
3.20	0.02	78	178.01	0.00
3.30	0.02	85	178.01	0.00
3.40	0.02	93	178.01	0.00
3.50	0.02	100	178.02	0.00
3.60	0.02	108	178.02	0.00
3.70	0.02	116	178.02	0.00
3.80	0.02	125	178.02	0.00
3.90	0.02	133	178.02	0.00
4.00	0.02	142	178.02	0.00
4.10	0.03	151	178.02	0.00
4.20	0.03	160	178.02	0.00
4.30	0.03	170	178.03	0.00
4.40	0.03	180	178.03	0.00
4.50	0.03	189	178.03	0.00
4.60	0.03	200	178.03	0.00
4.70	0.03	210	178.03	0.00
4.80	0.03	221	178.03	0.00
4.90	0.03	231	178.03	0.00
5.00	0.03	242	178.04	0.00
5.10	0.03	253	178.04	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	265	178.04	0.00
5.30	0.03	276	178.04	0.00
5.40	0.03	288	178.04	0.00
5.50	0.03	300	178.04	0.00
5.60	0.03	312	178.05	0.00
5.70	0.03	324	178.05	0.00
5.80	0.03	337	178.05	0.00
5.90	0.04	350	178.05	0.00
6.00	0.04	362	178.05	0.00
6.10	0.04	376	178.06	0.00
6.20	0.04	389	178.06	0.00
6.30	0.04	403	178.06	0.00
6.40	0.04	418	178.06	0.00
6.50	0.04	433	178.06	0.00
6.60	0.04	448	178.07	0.00
6.70	0.04	464	178.07	0.00
6.80	0.05	480	178.07	0.00
6.90	0.05	497	178.07	0.00
7.00	0.05	514	178.08	0.00
7.10	0.05	531	178.08	0.00
7.20	0.05	549	178.08	0.00
7.30	0.05	568	178.08	0.00
7.40	0.05	587	178.09	0.00
7.50	0.05	606	178.09	0.00
7.60	0.06	626	178.09	0.00
7.70	0.06	646	178.10	0.00
7.80	0.06	666	178.10	0.00
7.90	0.06	688	178.10	0.00
8.00	0.06	709	178.11	0.00
8.10	0.06	731	178.11	0.00
8.20	0.06	754	178.11	0.00
8.30	0.06	777	178.12	0.00
8.40	0.07	800	178.12	0.00
8.50	0.07	824	178.12	0.00
8.60	0.07	848	178.13	0.00
8.70	0.07	873	178.13	0.00
8.80	0.07	898	178.13	0.00
8.90	0.07	924	178.14	0.00
9.00	0.07	950	178.14	0.00
9.10	0.08	977	178.15	0.00
9.20	0.08	1,006	178.15	0.00
9.30	0.09	1,037	178.16	0.00
9.40	0.09	1,069	178.16	0.00
9.50	0.09	1,102	178.16	0.00
9.60	0.10	1,137	178.17	0.00
9.70	0.10	1,174	178.18	0.00
9.80	0.11	1,212	178.18	0.00
9.90	0.11	1,251	178.19	0.00
10.00	0.12	1,293	178.19	0.00
10.10	0.12	1,335	178.20	0.00
10.20	0.12	1,380	178.21	0.00
10.30	0.13	1,426	178.21	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,473	178.22	0.00
10.50	0.14	1,522	178.23	0.00
10.60	0.16	1,577	178.24	0.00
10.70	0.17	1,637	178.25	0.00
10.80	0.19	1,705	178.26	0.00
10.90	0.21	1,779	178.27	0.00
11.00	0.24	1,861	178.28	0.00
11.10	0.28	1,955	178.29	0.00
11.20	0.31	2,063	178.31	0.00
11.30	0.36	2,185	178.33	0.00
11.40	0.40	2,323	178.35	0.00
11.50	0.47	2,477	178.37	0.00
11.60	0.69	2,701	178.40	0.00
11.70	0.79	2,967	178.44	0.00
11.80	1.13	3,326	178.50	0.00
11.90	1.74	3,853	178.58	0.01
12.00	**3.17**	4,775	178.71	0.05
12.10	**4.54**	6,323	178.95	0.09
12.20	1.75	7,194	179.08	0.11
12.30	1.28	7,669	179.15	0.12
12.40	0.99	8,009	179.20	0.12
12.50	0.90	8,304	179.24	0.13
12.60	0.61	8,505	179.27	0.13
12.70	0.57	8,669	179.30	0.13
12.80	0.53	8,815	179.32	0.14
12.90	0.48	8,943	179.34	0.14
13.00	0.43	9,052	179.35	0.14
13.10	0.38	9,143	179.37	0.14
13.20	0.35	9,222	179.38	0.14
13.30	0.33	9,291	179.39	0.14
13.40	0.30	9,350	179.40	0.14
13.50	0.27	9,399	179.41	0.15
13.60	0.25	9,438	179.41	0.15
13.70	0.24	9,472	179.42	0.15
13.80	0.23	9,504	179.42	0.15
13.90	0.23	9,533	179.43	0.15
14.00	0.22	9,560	179.43	0.15
14.10	0.21	9,584	179.43	0.15
14.20	0.20	9,605	179.44	0.15
14.30	0.20	9,624	179.44	0.15
14.40	0.19	9,639	179.44	0.15
14.50	0.18	9,653	179.44	0.15
14.60	0.18	9,663	179.45	0.15
14.70	0.17	9,671	179.45	0.15
14.80	0.16	9,676	179.45	0.15
14.90	0.15	**9,679**	**179.45**	**0.15**
15.00	0.15	**9,679**	**179.45**	**0.15**
15.10	0.14	9,676	179.45	0.15
15.20	0.14	9,672	179.45	0.15
15.30	0.14	9,668	179.45	0.15
15.40	0.13	9,663	179.45	0.15
15.50	0.13	9,657	179.45	0.15

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	9,651	179.44	0.15
15.70	0.13	9,644	179.44	0.15
15.80	0.13	9,636	179.44	0.15
15.90	0.12	9,628	179.44	0.15
16.00	0.12	9,619	179.44	0.15
16.10	0.12	9,609	179.44	0.15
16.20	0.12	9,599	179.44	0.15
16.30	0.12	9,588	179.44	0.15
16.40	0.12	9,577	179.43	0.15
16.50	0.11	9,565	179.43	0.15
16.60	0.11	9,552	179.43	0.15
16.70	0.11	9,539	179.43	0.15
16.80	0.11	9,525	179.43	0.15
16.90	0.11	9,510	179.42	0.15
17.00	0.10	9,495	179.42	0.15
17.10	0.10	9,479	179.42	0.15
17.20	0.10	9,462	179.42	0.15
17.30	0.10	9,445	179.41	0.15
17.40	0.10	9,427	179.41	0.15
17.50	0.09	9,409	179.41	0.15
17.60	0.09	9,390	179.41	0.15
17.70	0.09	9,370	179.40	0.14
17.80	0.09	9,350	179.40	0.14
17.90	0.09	9,329	179.40	0.14
18.00	0.08	9,308	179.39	0.14
18.10	0.08	9,286	179.39	0.14
18.20	0.08	9,263	179.39	0.14
18.30	0.08	9,241	179.38	0.14
18.40	0.08	9,219	179.38	0.14
18.50	0.08	9,196	179.38	0.14
18.60	0.08	9,174	179.37	0.14
18.70	0.08	9,151	179.37	0.14
18.80	0.08	9,129	179.37	0.14
18.90	0.08	9,106	179.36	0.14
19.00	0.08	9,083	179.36	0.14
19.10	0.08	9,061	179.36	0.14
19.20	0.08	9,038	179.35	0.14
19.30	0.08	9,015	179.35	0.14
19.40	0.08	8,992	179.35	0.14
19.50	0.08	8,969	179.34	0.14
19.60	0.07	8,946	179.34	0.14
19.70	0.07	8,923	179.34	0.14
19.80	0.07	8,900	179.33	0.14
19.90	0.07	8,877	179.33	0.14
20.00	0.07	8,854	179.33	0.14
20.10	0.07	8,831	179.32	0.14
20.20	0.07	8,807	179.32	0.14
20.30	0.07	8,784	179.31	0.14
20.40	0.07	8,760	179.31	0.14
20.50	0.07	8,737	179.31	0.14
20.60	0.07	8,713	179.30	0.14
20.70	0.07	8,690	179.30	0.13

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	8,666	179.30	0.13
20.90	0.07	8,643	179.29	0.13
21.00	0.07	8,619	179.29	0.13
21.10	0.07	8,595	179.29	0.13
21.20	0.07	8,571	179.28	0.13
21.30	0.07	8,547	179.28	0.13
21.40	0.07	8,524	179.28	0.13
21.50	0.07	8,500	179.27	0.13
21.60	0.07	8,476	179.27	0.13
21.70	0.06	8,452	179.27	0.13
21.80	0.06	8,428	179.26	0.13
21.90	0.06	8,403	179.26	0.13
22.00	0.06	8,379	179.25	0.13
22.10	0.06	8,355	179.25	0.13
22.20	0.06	8,331	179.25	0.13
22.30	0.06	8,307	179.24	0.13
22.40	0.06	8,282	179.24	0.13
22.50	0.06	8,258	179.24	0.13
22.60	0.06	8,233	179.23	0.13
22.70	0.06	8,209	179.23	0.13
22.80	0.06	8,184	179.23	0.13
22.90	0.06	8,160	179.22	0.13
23.00	0.06	8,135	179.22	0.13
23.10	0.06	8,111	179.21	0.13
23.20	0.06	8,086	179.21	0.13
23.30	0.06	8,061	179.21	0.13
23.40	0.06	8,037	179.20	0.12
23.50	0.06	8,012	179.20	0.12
23.60	0.06	7,987	179.20	0.12
23.70	0.05	7,962	179.19	0.12
23.80	0.05	7,937	179.19	0.12
23.90	0.06	7,912	179.18	0.12
24.00	0.06	7,890	179.18	0.12
24.10	0.00	7,852	179.18	0.12
24.20	0.00	7,808	179.17	0.12
24.30	0.00	7,764	179.16	0.12
24.40	0.00	7,721	179.16	0.12
24.50	0.00	7,678	179.15	0.12
24.60	0.00	7,635	179.14	0.12
24.70	0.00	7,593	179.14	0.12
24.80	0.00	7,551	179.13	0.12
24.90	0.00	7,509	179.12	0.12
25.00	0.00	7,467	179.12	0.12
25.10	0.00	7,426	179.11	0.11
25.20	0.00	7,385	179.11	0.11
25.30	0.00	7,344	179.10	0.11
25.40	0.00	7,303	179.09	0.11
25.50	0.00	7,263	179.09	0.11
25.60	0.00	7,223	179.08	0.11
25.70	0.00	7,183	179.08	0.11
25.80	0.00	7,144	179.07	0.11
25.90	0.00	7,104	179.06	0.11

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,065	179.06	0.11
26.10	0.00	7,027	179.05	0.11
26.20	0.00	6,988	179.05	0.11
26.30	0.00	6,950	179.04	0.11
26.40	0.00	6,912	179.03	0.11
26.50	0.00	6,874	179.03	0.10
26.60	0.00	6,837	179.02	0.10
26.70	0.00	6,800	179.02	0.10
26.80	0.00	6,763	179.01	0.10
26.90	0.00	6,726	179.01	0.10
27.00	0.00	6,690	179.00	0.10
27.10	0.00	6,653	179.00	0.10
27.20	0.00	6,618	178.99	0.10
27.30	0.00	6,582	178.99	0.10
27.40	0.00	6,547	178.98	0.10
27.50	0.00	6,511	178.97	0.10
27.60	0.00	6,477	178.97	0.10
27.70	0.00	6,442	178.96	0.10
27.80	0.00	6,408	178.96	0.09
27.90	0.00	6,374	178.95	0.09
28.00	0.00	6,340	178.95	0.09
28.10	0.00	6,306	178.94	0.09
28.20	0.00	6,273	178.94	0.09
28.30	0.00	6,240	178.93	0.09
28.40	0.00	6,207	178.93	0.09
28.50	0.00	6,175	178.92	0.09
28.60	0.00	6,143	178.92	0.09
28.70	0.00	6,111	178.91	0.09
28.80	0.00	6,079	178.91	0.09
28.90	0.00	6,047	178.91	0.09
29.00	0.00	6,016	178.90	0.09
29.10	0.00	5,985	178.90	0.09
29.20	0.00	5,955	178.89	0.08
29.30	0.00	5,924	178.89	0.08
29.40	0.00	5,894	178.88	0.08
29.50	0.00	5,864	178.88	0.08
29.60	0.00	5,835	178.87	0.08
29.70	0.00	5,805	178.87	0.08
29.80	0.00	5,776	178.86	0.08
29.90	0.00	5,747	178.86	0.08
30.00	0.00	5,719	178.86	0.08
30.10	0.00	5,691	178.85	0.08
30.20	0.00	5,663	178.85	0.08
30.30	0.00	5,635	178.84	0.08
30.40	0.00	5,607	178.84	0.08
30.50	0.00	5,580	178.84	0.08
30.60	0.00	5,553	178.83	0.07
30.70	0.00	5,526	178.83	0.07
30.80	0.00	5,500	178.82	0.07
30.90	0.00	5,474	178.82	0.07
31.00	0.00	5,448	178.82	0.07
31.10	0.00	5,422	178.81	0.07

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,397	178.81	0.07
31.30	0.00	5,371	178.80	0.07
31.40	0.00	5,346	178.80	0.07
31.50	0.00	5,322	178.80	0.07
31.60	0.00	5,297	178.79	0.07
31.70	0.00	5,273	178.79	0.07
31.80	0.00	5,249	178.79	0.07
31.90	0.00	5,226	178.78	0.07
32.00	0.00	5,203	178.78	0.06
32.10	0.00	5,180	178.78	0.06
32.20	0.00	5,157	178.77	0.06
32.30	0.00	5,134	178.77	0.06
32.40	0.00	5,112	178.77	0.06
32.50	0.00	5,090	178.76	0.06
32.60	0.00	5,068	178.76	0.06
32.70	0.00	5,047	178.76	0.06
32.80	0.00	5,025	178.75	0.06
32.90	0.00	5,004	178.75	0.06
33.00	0.00	4,984	178.75	0.06
33.10	0.00	4,963	178.74	0.06
33.20	0.00	4,943	178.74	0.06
33.30	0.00	4,923	178.74	0.06
33.40	0.00	4,903	178.73	0.05
33.50	0.00	4,884	178.73	0.05
33.60	0.00	4,864	178.73	0.05
33.70	0.00	4,846	178.73	0.05
33.80	0.00	4,827	178.72	0.05
33.90	0.00	4,808	178.72	0.05
34.00	0.00	4,790	178.72	0.05
34.10	0.00	4,772	178.71	0.05
34.20	0.00	4,754	178.71	0.05
34.30	0.00	4,737	178.71	0.05
34.40	0.00	4,720	178.71	0.05
34.50	0.00	4,703	178.70	0.05
34.60	0.00	4,687	178.70	0.05
34.70	0.00	4,671	178.70	0.04
34.80	0.00	4,655	178.70	0.04
34.90	0.00	4,639	178.69	0.04
35.00	0.00	4,624	178.69	0.04
35.10	0.00	4,609	178.69	0.04
35.20	0.00	4,594	178.69	0.04
35.30	0.00	4,580	178.69	0.04
35.40	0.00	4,565	178.68	0.04
35.50	0.00	4,551	178.68	0.04
35.60	0.00	4,538	178.68	0.04
35.70	0.00	4,524	178.68	0.04
35.80	0.00	4,511	178.68	0.04
35.90	0.00	4,498	178.67	0.04
36.00	0.00	4,485	178.67	0.04
36.10	0.00	4,472	178.67	0.03
36.20	0.00	4,460	178.67	0.03
36.30	0.00	4,448	178.67	0.03

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,436	178.66	0.03
36.50	0.00	4,425	178.66	0.03
36.60	0.00	4,413	178.66	0.03
36.70	0.00	4,402	178.66	0.03
36.80	0.00	4,391	178.66	0.03
36.90	0.00	4,380	178.66	0.03
37.00	0.00	4,370	178.65	0.03
37.10	0.00	4,359	178.65	0.03
37.20	0.00	4,349	178.65	0.03
37.30	0.00	4,339	178.65	0.03
37.40	0.00	4,330	178.65	0.03
37.50	0.00	4,320	178.65	0.03
37.60	0.00	4,311	178.65	0.03
37.70	0.00	4,301	178.64	0.03
37.80	0.00	4,292	178.64	0.02
37.90	0.00	4,284	178.64	0.02
38.00	0.00	4,275	178.64	0.02
38.10	0.00	4,266	178.64	0.02
38.20	0.00	4,258	178.64	0.02
38.30	0.00	4,250	178.64	0.02
38.40	0.00	4,242	178.63	0.02
38.50	0.00	4,234	178.63	0.02
38.60	0.00	4,226	178.63	0.02
38.70	0.00	4,218	178.63	0.02
38.80	0.00	4,210	178.63	0.02
38.90	0.00	4,203	178.63	0.02
39.00	0.00	4,195	178.63	0.02
39.10	0.00	4,188	178.63	0.02
39.20	0.00	4,181	178.63	0.02
39.30	0.00	4,174	178.62	0.02
39.40	0.00	4,167	178.62	0.02
39.50	0.00	4,161	178.62	0.02
39.60	0.00	4,154	178.62	0.02
39.70	0.00	4,147	178.62	0.02
39.80	0.00	4,141	178.62	0.02
39.90	0.00	4,135	178.62	0.02
40.00	0.00	4,128	178.62	0.02

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896	180.60	6,681	17,371
180.09	6,681	13,963	180.61	6,681	17,437
180.10	6,681	14,030	180.62	6,681	17,504
180.11	6,681	14,097	180.63	6,681	17,571
180.12	6,681	14,164	180.64	6,681	17,638
180.13	6,681	14,231	180.65	6,681	17,705
180.14	6,681	14,297	180.66	6,681	17,771
180.15	6,681	14,364	180.67	6,681	17,838
180.16	6,681	14,431	180.68	6,681	17,905
180.17	6,681	14,498	180.69	6,681	17,972
180.18	6,681	14,565	180.70	6,681	18,039
180.19	6,681	14,631	180.71	6,681	18,106
180.20	6,681	14,698	180.72	6,681	18,172
180.21	6,681	14,765	180.73	6,681	18,239
180.22	6,681	14,832	180.74	6,681	18,306
180.23	6,681	14,899	180.75	6,681	18,373
180.24	6,681	14,965	180.76	6,681	18,440
180.25	6,681	15,032	180.77	6,681	18,506
180.26	6,681	15,099	180.78	6,681	18,573
180.27	6,681	15,166	180.79	6,681	18,640
180.28	6,681	15,233	180.80	6,681	18,707
180.29	6,681	15,299	180.81	6,681	18,774
180.30	6,681	15,366	180.82	6,681	18,840
180.31	6,681	15,433	180.83	6,681	18,907
180.32	6,681	15,500	180.84	6,681	18,974
180.33	6,681	15,567	180.85	6,681	19,041
180.34	6,681	15,634	180.86	6,681	19,108
180.35	6,681	15,700	180.87	6,681	19,174
180.36	6,681	15,767	180.88	6,681	19,241
180.37	6,681	15,834	180.89	6,681	19,308
180.38	6,681	15,901	180.90	6,681	19,375
180.39	6,681	15,968	180.91	6,681	19,442
180.40	6,681	16,034	180.92	6,681	19,509
180.41	6,681	16,101	180.93	6,681	19,575
180.42	6,681	16,168	180.94	6,681	19,642
180.43	6,681	16,235	180.95	6,681	19,709
180.44	6,681	16,302	180.96	6,681	19,776
180.45	6,681	16,368	180.97	6,681	19,843
180.46	6,681	16,435	180.98	6,681	19,909
180.47	6,681	16,502	180.99	6,681	19,976
180.48	6,681	16,569	181.00	6,681	20,043
180.49	6,681	16,636	181.01	6,681	20,110
180.50	6,681	16,703	181.02	6,681	20,177
180.51	6,681	16,769	181.03	6,681	20,243
180.52	6,681	16,836	181.04	6,681	20,310
180.53	6,681	16,903	181.05	6,681	20,377
180.54	6,681	16,970	181.06	6,681	20,444
180.55	6,681	17,037	181.07	6,681	20,511
180.56	6,681	17,103	181.08	6,681	20,577
180.57	6,681	17,170	181.09	6,681	20,644
180.58	6,681	17,237	181.10	6,681	20,711
180.59	6,681	17,304	181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 2.00" for Current 2 yr event
Inflow = 4.94 cfs @ 12.08 hrs, Volume= 0.313 af
Outflow = 0.15 cfs @ 14.90 hrs, Volume= 0.223 af, Atten= 97%, Lag= 169.3 min
Primary = 0.15 cfs @ 14.90 hrs, Volume= 0.223 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.49' @ 14.90 hrs Surf.Area= 6,329 sf Storage= 9,441 cf

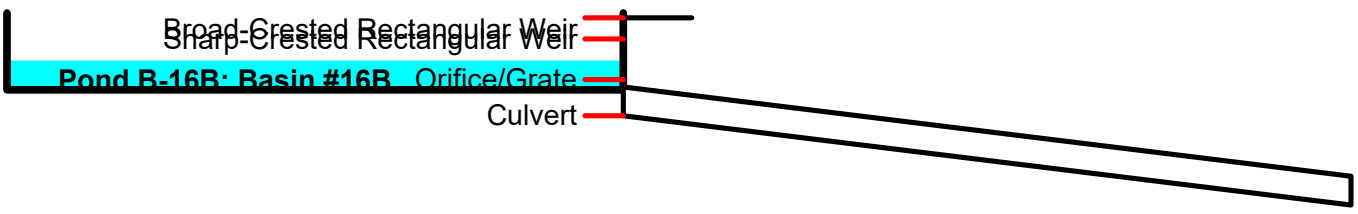
Plug-Flow detention time= 651.2 min calculated for 0.223 af (71% of inflow)
Center-of-Mass det. time= 550.1 min (1,337.2 - 787.1)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

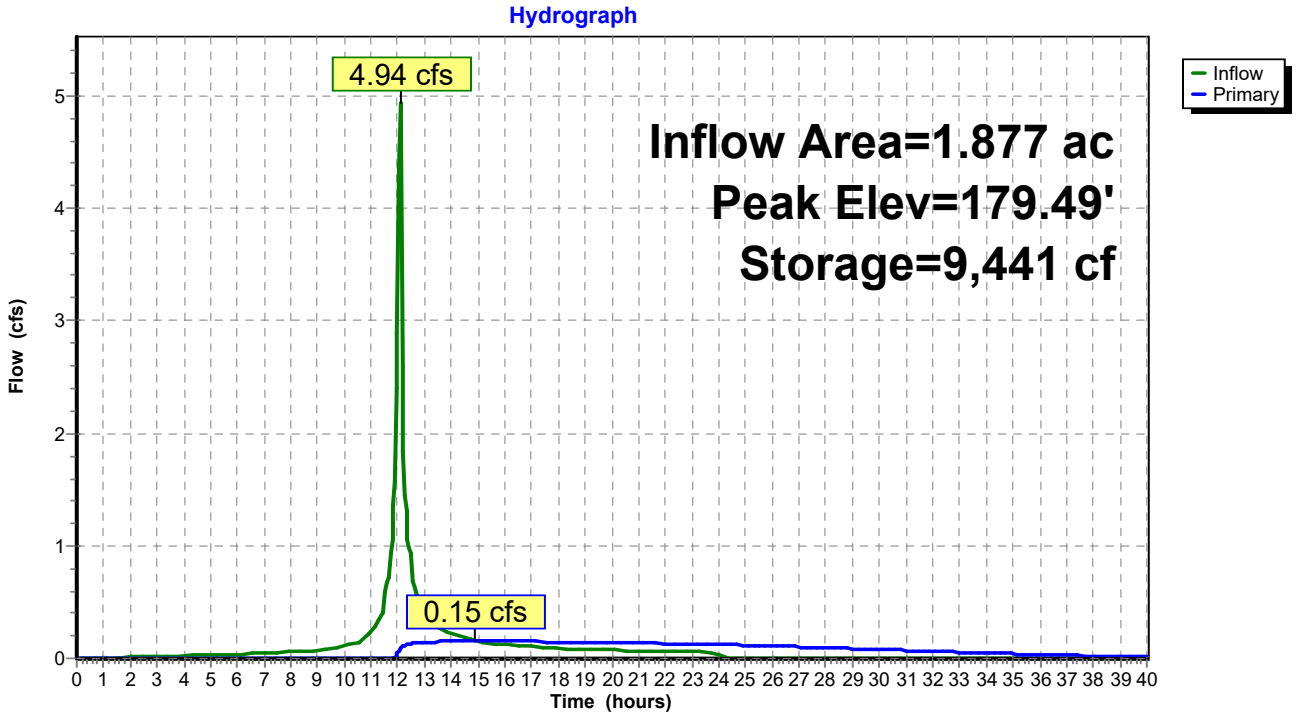
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 14.90 hrs HW=179.49' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 12.31 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.46 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	0	178.00	0.00
1.00	0.00	0	178.00	0.00
1.10	0.00	0	178.00	0.00
1.20	0.00	0	178.00	0.00
1.30	0.00	0	178.00	0.00
1.40	0.00	1	178.00	0.00
1.50	0.00	2	178.00	0.00
1.60	0.00	4	178.00	0.00
1.70	0.01	6	178.00	0.00
1.80	0.01	8	178.00	0.00
1.90	0.01	11	178.00	0.00
2.00	0.01	14	178.00	0.00
2.10	0.01	17	178.00	0.00
2.20	0.01	21	178.00	0.00
2.30	0.01	25	178.00	0.00
2.40	0.01	29	178.00	0.00
2.50	0.01	34	178.01	0.00
2.60	0.01	38	178.01	0.00
2.70	0.01	44	178.01	0.00
2.80	0.02	49	178.01	0.00
2.90	0.02	55	178.01	0.00
3.00	0.02	61	178.01	0.00
3.10	0.02	67	178.01	0.00
3.20	0.02	73	178.01	0.00
3.30	0.02	80	178.01	0.00
3.40	0.02	87	178.01	0.00
3.50	0.02	95	178.01	0.00
3.60	0.02	102	178.02	0.00
3.70	0.02	110	178.02	0.00
3.80	0.02	118	178.02	0.00
3.90	0.02	126	178.02	0.00
4.00	0.02	134	178.02	0.00
4.10	0.02	143	178.02	0.00
4.20	0.02	152	178.02	0.00
4.30	0.03	161	178.03	0.00
4.40	0.03	170	178.03	0.00
4.50	0.03	180	178.03	0.00
4.60	0.03	190	178.03	0.00
4.70	0.03	199	178.03	0.00
4.80	0.03	210	178.03	0.00
4.90	0.03	220	178.03	0.00
5.00	0.03	230	178.04	0.00
5.10	0.03	241	178.04	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	252	178.04	0.00
5.30	0.03	263	178.04	0.00
5.40	0.03	274	178.04	0.00
5.50	0.03	286	178.05	0.00
5.60	0.03	297	178.05	0.00
5.70	0.03	309	178.05	0.00
5.80	0.03	321	178.05	0.00
5.90	0.03	333	178.05	0.00
6.00	0.03	345	178.05	0.00
6.10	0.04	358	178.06	0.00
6.20	0.04	371	178.06	0.00
6.30	0.04	385	178.06	0.00
6.40	0.04	398	178.06	0.00
6.50	0.04	413	178.07	0.00
6.60	0.04	427	178.07	0.00
6.70	0.04	442	178.07	0.00
6.80	0.04	458	178.07	0.00
6.90	0.04	474	178.07	0.00
7.00	0.05	490	178.08	0.00
7.10	0.05	507	178.08	0.00
7.20	0.05	524	178.08	0.00
7.30	0.05	542	178.09	0.00
7.40	0.05	560	178.09	0.00
7.50	0.05	578	178.09	0.00
7.60	0.05	597	178.09	0.00
7.70	0.05	616	178.10	0.00
7.80	0.06	636	178.10	0.00
7.90	0.06	656	178.10	0.00
8.00	0.06	677	178.11	0.00
8.10	0.06	698	178.11	0.00
8.20	0.06	720	178.11	0.00
8.30	0.06	742	178.12	0.00
8.40	0.06	764	178.12	0.00
8.50	0.06	787	178.12	0.00
8.60	0.07	810	178.13	0.00
8.70	0.07	834	178.13	0.00
8.80	0.07	858	178.14	0.00
8.90	0.07	883	178.14	0.00
9.00	0.07	908	178.14	0.00
9.10	0.07	934	178.15	0.00
9.20	0.08	961	178.15	0.00
9.30	0.08	990	178.16	0.00
9.40	0.09	1,020	178.16	0.00
9.50	0.09	1,052	178.17	0.00
9.60	0.09	1,085	178.17	0.00
9.70	0.10	1,120	178.18	0.00
9.80	0.10	1,157	178.18	0.00
9.90	0.11	1,194	178.19	0.00
10.00	0.11	1,234	178.19	0.00
10.10	0.11	1,274	178.20	0.00
10.20	0.12	1,317	178.21	0.00
10.30	0.12	1,360	178.21	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,406	178.22	0.00
10.50	0.13	1,453	178.23	0.00
10.60	0.15	1,503	178.24	0.00
10.70	0.17	1,560	178.25	0.00
10.80	0.18	1,624	178.26	0.00
10.90	0.20	1,694	178.27	0.00
11.00	0.23	1,772	178.28	0.00
11.10	0.26	1,860	178.29	0.00
11.20	0.30	1,962	178.31	0.00
11.30	0.34	2,078	178.33	0.00
11.40	0.38	2,208	178.35	0.00
11.50	0.43	2,353	178.37	0.00
11.60	0.66	2,557	178.40	0.00
11.70	0.74	2,809	178.44	0.00
11.80	1.05	3,139	178.50	0.00
11.90	1.57	3,619	178.57	0.00
12.00	2.89	4,445	178.70	0.04
12.10	**4.78**	5,899	178.93	0.09
12.20	1.84	6,923	179.09	0.11
12.30	1.31	7,424	179.17	0.12
12.40	0.99	7,777	179.23	0.13
12.50	0.92	8,073	179.28	0.13
12.60	0.62	8,287	179.31	0.13
12.70	0.57	8,450	179.34	0.14
12.80	0.53	8,596	179.36	0.14
12.90	0.48	8,724	179.38	0.14
13.00	0.43	8,834	179.40	0.14
13.10	0.38	8,925	179.41	0.14
13.20	0.35	9,004	179.42	0.15
13.30	0.33	9,072	179.43	0.15
13.40	0.30	9,130	179.44	0.15
13.50	0.27	9,178	179.45	0.15
13.60	0.25	9,217	179.46	0.15
13.70	0.24	9,250	179.46	0.15
13.80	0.23	9,280	179.47	0.15
13.90	0.22	9,308	179.47	0.15
14.00	0.22	9,333	179.47	0.15
14.10	0.21	9,356	179.48	0.15
14.20	0.20	9,376	179.48	0.15
14.30	0.20	9,393	179.48	0.15
14.40	0.19	9,408	179.49	0.15
14.50	0.18	9,420	179.49	0.15
14.60	0.17	9,429	179.49	0.15
14.70	0.17	9,436	179.49	0.15
14.80	0.16	9,440	179.49	0.15
14.90	0.15	**9,441**	**179.49**	**0.15**
15.00	0.15	9,440	179.49	0.15
15.10	0.14	9,436	179.49	0.15
15.20	0.14	9,431	179.49	0.15
15.30	0.14	9,425	179.49	0.15
15.40	0.13	9,419	179.49	0.15
15.50	0.13	9,412	179.49	0.15

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	9,405	179.49	0.15
15.70	0.13	9,396	179.48	0.15
15.80	0.13	9,387	179.48	0.15
15.90	0.12	9,378	179.48	0.15
16.00	0.12	9,368	179.48	0.15
16.10	0.12	9,357	179.48	0.15
16.20	0.12	9,346	179.48	0.15
16.30	0.12	9,334	179.47	0.15
16.40	0.11	9,321	179.47	0.15
16.50	0.11	9,308	179.47	0.15
16.60	0.11	9,294	179.47	0.15
16.70	0.11	9,279	179.47	0.15
16.80	0.11	9,264	179.46	0.15
16.90	0.11	9,248	179.46	0.15
17.00	0.10	9,232	179.46	0.15
17.10	0.10	9,215	179.46	0.15
17.20	0.10	9,198	179.45	0.15
17.30	0.10	9,179	179.45	0.15
17.40	0.10	9,160	179.45	0.15
17.50	0.09	9,141	179.44	0.15
17.60	0.09	9,121	179.44	0.15
17.70	0.09	9,100	179.44	0.15
17.80	0.09	9,079	179.43	0.15
17.90	0.09	9,057	179.43	0.15
18.00	0.08	9,035	179.43	0.15
18.10	0.08	9,012	179.42	0.15
18.20	0.08	8,989	179.42	0.15
18.30	0.08	8,966	179.42	0.15
18.40	0.08	8,942	179.41	0.14
18.50	0.08	8,919	179.41	0.14
18.60	0.08	8,896	179.41	0.14
18.70	0.08	8,872	179.40	0.14
18.80	0.08	8,849	179.40	0.14
18.90	0.08	8,825	179.39	0.14
19.00	0.08	8,802	179.39	0.14
19.10	0.08	8,778	179.39	0.14
19.20	0.08	8,754	179.38	0.14
19.30	0.08	8,731	179.38	0.14
19.40	0.08	8,707	179.38	0.14
19.50	0.07	8,683	179.37	0.14
19.60	0.07	8,659	179.37	0.14
19.70	0.07	8,635	179.36	0.14
19.80	0.07	8,611	179.36	0.14
19.90	0.07	8,588	179.36	0.14
20.00	0.07	8,563	179.35	0.14
20.10	0.07	8,539	179.35	0.14
20.20	0.07	8,515	179.35	0.14
20.30	0.07	8,491	179.34	0.14
20.40	0.07	8,467	179.34	0.14
20.50	0.07	8,443	179.33	0.14
20.60	0.07	8,419	179.33	0.14
20.70	0.07	8,394	179.33	0.14

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	8,370	179.32	0.14
20.90	0.07	8,346	179.32	0.14
21.00	0.07	8,321	179.31	0.14
21.10	0.07	8,297	179.31	0.14
21.20	0.07	8,272	179.31	0.13
21.30	0.07	8,248	179.30	0.13
21.40	0.07	8,224	179.30	0.13
21.50	0.07	8,199	179.30	0.13
21.60	0.06	8,174	179.29	0.13
21.70	0.06	8,150	179.29	0.13
21.80	0.06	8,125	179.28	0.13
21.90	0.06	8,100	179.28	0.13
22.00	0.06	8,076	179.28	0.13
22.10	0.06	8,051	179.27	0.13
22.20	0.06	8,026	179.27	0.13
22.30	0.06	8,001	179.26	0.13
22.40	0.06	7,976	179.26	0.13
22.50	0.06	7,951	179.26	0.13
22.60	0.06	7,927	179.25	0.13
22.70	0.06	7,902	179.25	0.13
22.80	0.06	7,877	179.24	0.13
22.90	0.06	7,852	179.24	0.13
23.00	0.06	7,827	179.24	0.13
23.10	0.06	7,802	179.23	0.13
23.20	0.06	7,776	179.23	0.13
23.30	0.06	7,751	179.22	0.13
23.40	0.06	7,726	179.22	0.13
23.50	0.06	7,701	179.22	0.13
23.60	0.05	7,676	179.21	0.12
23.70	0.05	7,651	179.21	0.12
23.80	0.05	7,625	179.20	0.12
23.90	0.05	7,600	179.20	0.12
24.00	0.06	7,577	179.20	0.12
24.10	0.00	7,541	179.19	0.12
24.20	0.00	7,497	179.18	0.12
24.30	0.00	7,454	179.18	0.12
24.40	0.00	7,410	179.17	0.12
24.50	0.00	7,367	179.16	0.12
24.60	0.00	7,324	179.16	0.12
24.70	0.00	7,282	179.15	0.12
24.80	0.00	7,239	179.14	0.12
24.90	0.00	7,197	179.14	0.12
25.00	0.00	7,155	179.13	0.12
25.10	0.00	7,114	179.12	0.11
25.20	0.00	7,073	179.12	0.11
25.30	0.00	7,032	179.11	0.11
25.40	0.00	6,991	179.10	0.11
25.50	0.00	6,951	179.10	0.11
25.60	0.00	6,911	179.09	0.11
25.70	0.00	6,871	179.09	0.11
25.80	0.00	6,831	179.08	0.11
25.90	0.00	6,792	179.07	0.11

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,753	179.07	0.11
26.10	0.00	6,714	179.06	0.11
26.20	0.00	6,676	179.05	0.11
26.30	0.00	6,638	179.05	0.11
26.40	0.00	6,600	179.04	0.10
26.50	0.00	6,562	179.04	0.10
26.60	0.00	6,525	179.03	0.10
26.70	0.00	6,488	179.03	0.10
26.80	0.00	6,451	179.02	0.10
26.90	0.00	6,414	179.01	0.10
27.00	0.00	6,378	179.01	0.10
27.10	0.00	6,342	179.00	0.10
27.20	0.00	6,306	179.00	0.10
27.30	0.00	6,271	178.99	0.10
27.40	0.00	6,236	178.99	0.10
27.50	0.00	6,201	178.98	0.10
27.60	0.00	6,166	178.97	0.10
27.70	0.00	6,132	178.97	0.09
27.80	0.00	6,098	178.96	0.09
27.90	0.00	6,064	178.96	0.09
28.00	0.00	6,031	178.95	0.09
28.10	0.00	5,998	178.95	0.09
28.20	0.00	5,965	178.94	0.09
28.30	0.00	5,932	178.94	0.09
28.40	0.00	5,900	178.93	0.09
28.50	0.00	5,868	178.93	0.09
28.60	0.00	5,836	178.92	0.09
28.70	0.00	5,804	178.92	0.09
28.80	0.00	5,773	178.91	0.09
28.90	0.00	5,742	178.91	0.09
29.00	0.00	5,711	178.90	0.08
29.10	0.00	5,681	178.90	0.08
29.20	0.00	5,651	178.89	0.08
29.30	0.00	5,621	178.89	0.08
29.40	0.00	5,591	178.88	0.08
29.50	0.00	5,562	178.88	0.08
29.60	0.00	5,533	178.87	0.08
29.70	0.00	5,504	178.87	0.08
29.80	0.00	5,475	178.87	0.08
29.90	0.00	5,447	178.86	0.08
30.00	0.00	5,419	178.86	0.08
30.10	0.00	5,391	178.85	0.08
30.20	0.00	5,364	178.85	0.08
30.30	0.00	5,337	178.84	0.08
30.40	0.00	5,310	178.84	0.07
30.50	0.00	5,283	178.83	0.07
30.60	0.00	5,257	178.83	0.07
30.70	0.00	5,231	178.83	0.07
30.80	0.00	5,205	178.82	0.07
30.90	0.00	5,180	178.82	0.07
31.00	0.00	5,155	178.81	0.07
31.10	0.00	5,130	178.81	0.07

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,105	178.81	0.07
31.30	0.00	5,081	178.80	0.07
31.40	0.00	5,057	178.80	0.07
31.50	0.00	5,033	178.80	0.07
31.60	0.00	5,009	178.79	0.07
31.70	0.00	4,986	178.79	0.06
31.80	0.00	4,963	178.78	0.06
31.90	0.00	4,940	178.78	0.06
32.00	0.00	4,918	178.78	0.06
32.10	0.00	4,896	178.77	0.06
32.20	0.00	4,874	178.77	0.06
32.30	0.00	4,852	178.77	0.06
32.40	0.00	4,831	178.76	0.06
32.50	0.00	4,810	178.76	0.06
32.60	0.00	4,789	178.76	0.06
32.70	0.00	4,768	178.75	0.06
32.80	0.00	4,748	178.75	0.06
32.90	0.00	4,728	178.75	0.06
33.00	0.00	4,709	178.74	0.05
33.10	0.00	4,689	178.74	0.05
33.20	0.00	4,670	178.74	0.05
33.30	0.00	4,651	178.73	0.05
33.40	0.00	4,633	178.73	0.05
33.50	0.00	4,614	178.73	0.05
33.60	0.00	4,596	178.73	0.05
33.70	0.00	4,578	178.72	0.05
33.80	0.00	4,561	178.72	0.05
33.90	0.00	4,543	178.72	0.05
34.00	0.00	4,526	178.72	0.05
34.10	0.00	4,510	178.71	0.05
34.20	0.00	4,493	178.71	0.04
34.30	0.00	4,477	178.71	0.04
34.40	0.00	4,462	178.70	0.04
34.50	0.00	4,446	178.70	0.04
34.60	0.00	4,431	178.70	0.04
34.70	0.00	4,416	178.70	0.04
34.80	0.00	4,402	178.70	0.04
34.90	0.00	4,387	178.69	0.04
35.00	0.00	4,373	178.69	0.04
35.10	0.00	4,360	178.69	0.04
35.20	0.00	4,346	178.69	0.04
35.30	0.00	4,333	178.68	0.04
35.40	0.00	4,320	178.68	0.04
35.50	0.00	4,308	178.68	0.03
35.60	0.00	4,295	178.68	0.03
35.70	0.00	4,283	178.68	0.03
35.80	0.00	4,271	178.67	0.03
35.90	0.00	4,259	178.67	0.03
36.00	0.00	4,248	178.67	0.03
36.10	0.00	4,237	178.67	0.03
36.20	0.00	4,226	178.67	0.03
36.30	0.00	4,215	178.67	0.03

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,204	178.66	0.03
36.50	0.00	4,194	178.66	0.03
36.60	0.00	4,184	178.66	0.03
36.70	0.00	4,174	178.66	0.03
36.80	0.00	4,164	178.66	0.03
36.90	0.00	4,154	178.66	0.03
37.00	0.00	4,145	178.65	0.03
37.10	0.00	4,136	178.65	0.03
37.20	0.00	4,127	178.65	0.02
37.30	0.00	4,118	178.65	0.02
37.40	0.00	4,109	178.65	0.02
37.50	0.00	4,101	178.65	0.02
37.60	0.00	4,092	178.65	0.02
37.70	0.00	4,084	178.65	0.02
37.80	0.00	4,076	178.64	0.02
37.90	0.00	4,068	178.64	0.02
38.00	0.00	4,061	178.64	0.02
38.10	0.00	4,053	178.64	0.02
38.20	0.00	4,046	178.64	0.02
38.30	0.00	4,038	178.64	0.02
38.40	0.00	4,031	178.64	0.02
38.50	0.00	4,024	178.64	0.02
38.60	0.00	4,017	178.63	0.02
38.70	0.00	4,010	178.63	0.02
38.80	0.00	4,004	178.63	0.02
38.90	0.00	3,997	178.63	0.02
39.00	0.00	3,991	178.63	0.02
39.10	0.00	3,984	178.63	0.02
39.20	0.00	3,978	178.63	0.02
39.30	0.00	3,972	178.63	0.02
39.40	0.00	3,966	178.63	0.02
39.50	0.00	3,960	178.63	0.02
39.60	0.00	3,954	178.62	0.02
39.70	0.00	3,948	178.62	0.02
39.80	0.00	3,942	178.62	0.02
39.90	0.00	3,937	178.62	0.02
40.00	0.00	3,931	178.62	0.02

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 1.43" for Current 2 yr event
Inflow = 2.61 cfs @ 12.09 hrs, Volume= 0.157 af
Outflow = 0.11 cfs @ 14.57 hrs, Volume= 0.128 af, Atten= 96%, Lag= 148.5 min
Primary = 0.11 cfs @ 14.57 hrs, Volume= 0.128 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.71' @ 14.57 hrs Surf.Area= 6,212 sf Storage= 4,150 cf

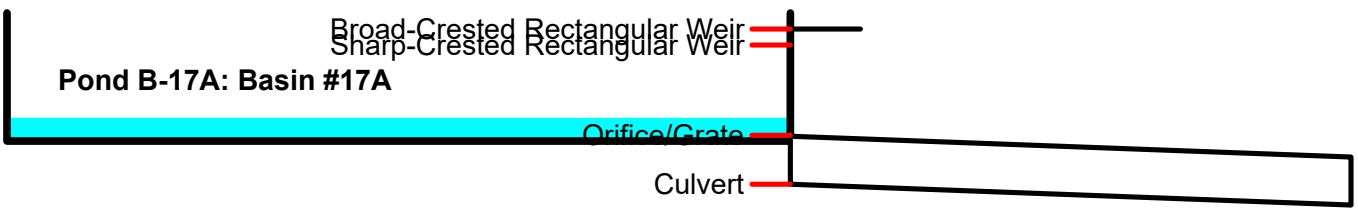
Plug-Flow detention time= 498.2 min calculated for 0.128 af (81% of inflow)
Center-of-Mass det. time= 415.2 min (1,241.1 - 825.9)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

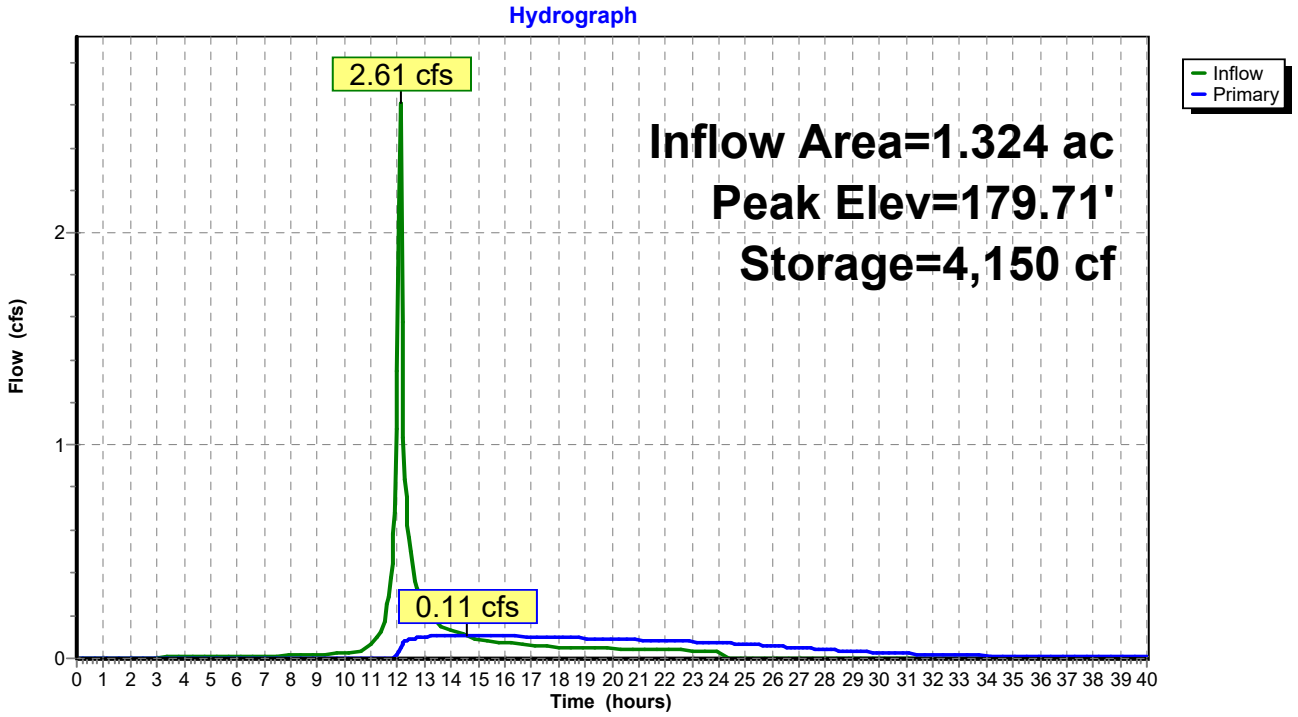
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.11 cfs @ 14.57 hrs HW=179.71' (Free Discharge)
- **1=Culvert** (Passes 0.11 cfs of 9.73 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.11 cfs @ 3.14 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	0	179.00	0.00
1.40	0.00	0	179.00	0.00
1.50	0.00	1	179.00	0.00
1.60	0.00	1	179.00	0.00
1.70	0.00	1	179.00	0.00
1.80	0.00	2	179.00	0.00
1.90	0.00	3	179.00	0.00
2.00	0.00	3	179.00	0.00
2.10	0.00	4	179.00	0.00
2.20	0.00	5	179.00	0.00
2.30	0.00	6	179.00	0.00
2.40	0.00	7	179.00	0.00
2.50	0.00	8	179.00	0.00
2.60	0.00	9	179.00	0.00
2.70	0.00	10	179.00	0.00
2.80	0.00	12	179.00	0.00
2.90	0.00	13	179.00	0.00
3.00	0.00	14	179.00	0.00
3.10	0.00	16	179.00	0.00
3.20	0.00	17	179.00	0.00
3.30	0.00	19	179.00	0.00
3.40	0.00	21	179.00	0.00
3.50	0.00	22	179.00	0.00
3.60	0.00	24	179.00	0.00
3.70	0.01	26	179.00	0.00
3.80	0.01	28	179.01	0.00
3.90	0.01	30	179.01	0.00
4.00	0.01	32	179.01	0.00
4.10	0.01	34	179.01	0.00
4.20	0.01	36	179.01	0.00
4.30	0.01	38	179.01	0.00
4.40	0.01	40	179.01	0.00
4.50	0.01	42	179.01	0.00
4.60	0.01	45	179.01	0.00
4.70	0.01	47	179.01	0.00
4.80	0.01	49	179.01	0.00
4.90	0.01	52	179.01	0.00
5.00	0.01	54	179.01	0.00
5.10	0.01	57	179.01	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.01	59	179.01	0.00
5.30	0.01	62	179.01	0.00
5.40	0.01	65	179.01	0.00
5.50	0.01	67	179.01	0.00
5.60	0.01	70	179.01	0.00
5.70	0.01	73	179.01	0.00
5.80	0.01	76	179.01	0.00
5.90	0.01	78	179.01	0.00
6.00	0.01	81	179.01	0.00
6.10	0.01	84	179.02	0.00
6.20	0.01	87	179.02	0.00
6.30	0.01	90	179.02	0.00
6.40	0.01	94	179.02	0.00
6.50	0.01	97	179.02	0.00
6.60	0.01	101	179.02	0.00
6.70	0.01	104	179.02	0.00
6.80	0.01	108	179.02	0.00
6.90	0.01	111	179.02	0.00
7.00	0.01	115	179.02	0.00
7.10	0.01	119	179.02	0.00
7.20	0.01	123	179.02	0.00
7.30	0.01	127	179.02	0.00
7.40	0.01	132	179.02	0.00
7.50	0.01	136	179.02	0.00
7.60	0.01	140	179.03	0.00
7.70	0.01	145	179.03	0.00
7.80	0.01	150	179.03	0.00
7.90	0.01	154	179.03	0.00
8.00	0.01	159	179.03	0.00
8.10	0.01	164	179.03	0.00
8.20	0.01	169	179.03	0.00
8.30	0.01	174	179.03	0.00
8.40	0.01	180	179.03	0.00
8.50	0.02	185	179.03	0.00
8.60	0.02	191	179.03	0.00
8.70	0.02	196	179.04	0.00
8.80	0.02	202	179.04	0.00
8.90	0.02	208	179.04	0.00
9.00	0.02	213	179.04	0.00
9.10	0.02	220	179.04	0.00
9.20	0.02	226	179.04	0.00
9.30	0.02	233	179.04	0.00
9.40	0.02	240	179.04	0.00
9.50	0.02	247	179.04	0.00
9.60	0.02	255	179.05	0.00
9.70	0.02	263	179.05	0.00
9.80	0.02	272	179.05	0.00
9.90	0.03	281	179.05	0.00
10.00	0.03	290	179.05	0.00
10.10	0.03	300	179.05	0.00
10.20	0.03	310	179.06	0.00
10.30	0.03	320	179.06	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.03	331	179.06	0.00
10.50	0.03	342	179.06	0.00
10.60	0.03	354	179.06	0.00
10.70	0.04	367	179.07	0.00
10.80	0.05	383	179.07	0.00
10.90	0.06	402	179.07	0.00
11.00	0.06	424	179.08	0.00
11.10	0.08	450	179.08	0.00
11.20	0.09	481	179.09	0.00
11.30	0.11	518	179.09	0.00
11.40	0.13	563	179.10	0.00
11.50	0.15	614	179.11	0.00
11.60	0.25	689	179.12	0.00
11.70	0.29	787	179.14	0.00
11.80	0.44	922	179.16	0.00
11.90	0.69	1,129	179.20	0.00
12.00	1.35	1,504	179.27	0.01
12.10	**2.58**	2,228	179.39	0.05
12.20	1.04	2,814	179.49	0.07
12.30	0.75	3,098	179.54	0.08
12.40	0.56	3,298	179.57	0.09
12.50	0.54	3,463	179.60	0.09
12.60	0.36	3,586	179.62	0.09
12.70	0.34	3,676	179.63	0.10
12.80	0.31	3,756	179.64	0.10
12.90	0.28	3,826	179.66	0.10
13.00	0.25	3,885	179.67	0.10
13.10	0.23	3,933	179.67	0.10
13.20	0.21	3,974	179.68	0.10
13.30	0.19	4,009	179.69	0.10
13.40	0.18	4,038	179.69	0.10
13.50	0.16	4,061	179.69	0.11
13.60	0.15	4,079	179.70	0.11
13.70	0.14	4,093	179.70	0.11
13.80	0.14	4,105	179.70	0.11
13.90	0.13	4,116	179.70	0.11
14.00	0.13	4,125	179.70	0.11
14.10	0.13	4,133	179.71	0.11
14.20	0.12	4,139	179.71	0.11
14.30	0.12	4,144	179.71	0.11
14.40	0.11	4,148	179.71	0.11
14.50	0.11	**4,149**	**179.71**	**0.11**
14.60	0.11	**4,150**	**179.71**	**0.11**
14.70	0.10	4,148	179.71	0.11
14.80	0.10	4,146	179.71	0.11
14.90	0.09	4,141	179.71	0.11
15.00	0.09	4,135	179.71	0.11
15.10	0.08	4,128	179.70	0.11
15.20	0.08	4,120	179.70	0.11
15.30	0.08	4,111	179.70	0.11
15.40	0.08	4,103	179.70	0.11
15.50	0.08	4,094	179.70	0.11

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.08	4,084	179.70	0.11
15.70	0.08	4,074	179.70	0.11
15.80	0.08	4,064	179.69	0.11
15.90	0.08	4,054	179.69	0.10
16.00	0.07	4,043	179.69	0.10
16.10	0.07	4,032	179.69	0.10
16.20	0.07	4,021	179.69	0.10
16.30	0.07	4,009	179.69	0.10
16.40	0.07	3,997	179.68	0.10
16.50	0.07	3,985	179.68	0.10
16.60	0.07	3,972	179.68	0.10
16.70	0.07	3,959	179.68	0.10
16.80	0.07	3,946	179.68	0.10
16.90	0.06	3,932	179.67	0.10
17.00	0.06	3,918	179.67	0.10
17.10	0.06	3,904	179.67	0.10
17.20	0.06	3,890	179.67	0.10
17.30	0.06	3,875	179.66	0.10
17.40	0.06	3,860	179.66	0.10
17.50	0.06	3,844	179.66	0.10
17.60	0.06	3,828	179.66	0.10
17.70	0.05	3,812	179.65	0.10
17.80	0.05	3,796	179.65	0.10
17.90	0.05	3,780	179.65	0.10
18.00	0.05	3,763	179.65	0.10
18.10	0.05	3,745	179.64	0.10
18.20	0.05	3,728	179.64	0.10
18.30	0.05	3,711	179.64	0.10
18.40	0.05	3,694	179.63	0.10
18.50	0.05	3,676	179.63	0.10
18.60	0.05	3,659	179.63	0.10
18.70	0.05	3,642	179.63	0.10
18.80	0.05	3,625	179.62	0.10
18.90	0.05	3,608	179.62	0.10
19.00	0.05	3,591	179.62	0.09
19.10	0.05	3,574	179.61	0.09
19.20	0.05	3,557	179.61	0.09
19.30	0.05	3,540	179.61	0.09
19.40	0.05	3,524	179.61	0.09
19.50	0.05	3,507	179.60	0.09
19.60	0.05	3,490	179.60	0.09
19.70	0.05	3,473	179.60	0.09
19.80	0.05	3,457	179.60	0.09
19.90	0.05	3,440	179.59	0.09
20.00	0.04	3,424	179.59	0.09
20.10	0.04	3,407	179.59	0.09
20.20	0.04	3,391	179.58	0.09
20.30	0.04	3,374	179.58	0.09
20.40	0.04	3,358	179.58	0.09
20.50	0.04	3,342	179.58	0.09
20.60	0.04	3,325	179.57	0.09
20.70	0.04	3,309	179.57	0.09

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.04	3,293	179.57	0.09
20.90	0.04	3,277	179.57	0.09
21.00	0.04	3,261	179.56	0.09
21.10	0.04	3,244	179.56	0.09
21.20	0.04	3,228	179.56	0.09
21.30	0.04	3,212	179.56	0.09
21.40	0.04	3,197	179.55	0.09
21.50	0.04	3,181	179.55	0.08
21.60	0.04	3,165	179.55	0.08
21.70	0.04	3,149	179.54	0.08
21.80	0.04	3,133	179.54	0.08
21.90	0.04	3,117	179.54	0.08
22.00	0.04	3,102	179.54	0.08
22.10	0.04	3,086	179.53	0.08
22.20	0.04	3,071	179.53	0.08
22.30	0.04	3,055	179.53	0.08
22.40	0.04	3,040	179.53	0.08
22.50	0.04	3,024	179.52	0.08
22.60	0.04	3,009	179.52	0.08
22.70	0.04	2,993	179.52	0.08
22.80	0.04	2,978	179.52	0.08
22.90	0.04	2,963	179.51	0.08
23.00	0.04	2,948	179.51	0.08
23.10	0.04	2,932	179.51	0.08
23.20	0.04	2,917	179.51	0.08
23.30	0.04	2,902	179.50	0.08
23.40	0.04	2,887	179.50	0.08
23.50	0.03	2,872	179.50	0.08
23.60	0.03	2,857	179.50	0.08
23.70	0.03	2,843	179.49	0.08
23.80	0.03	2,828	179.49	0.07
23.90	0.03	2,813	179.49	0.07
24.00	0.04	2,800	179.49	0.07
24.10	0.00	2,780	179.48	0.07
24.20	0.00	2,753	179.48	0.07
24.30	0.00	2,727	179.47	0.07
24.40	0.00	2,702	179.47	0.07
24.50	0.00	2,677	179.47	0.07
24.60	0.00	2,651	179.46	0.07
24.70	0.00	2,627	179.46	0.07
24.80	0.00	2,602	179.45	0.07
24.90	0.00	2,578	179.45	0.07
25.00	0.00	2,554	179.45	0.07
25.10	0.00	2,531	179.44	0.07
25.20	0.00	2,507	179.44	0.06
25.30	0.00	2,484	179.43	0.06
25.40	0.00	2,462	179.43	0.06
25.50	0.00	2,439	179.43	0.06
25.60	0.00	2,417	179.42	0.06
25.70	0.00	2,395	179.42	0.06
25.80	0.00	2,374	179.42	0.06
25.90	0.00	2,353	179.41	0.06

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,332	179.41	0.06
26.10	0.00	2,311	179.40	0.06
26.20	0.00	2,291	179.40	0.06
26.30	0.00	2,271	179.40	0.06
26.40	0.00	2,251	179.39	0.05
26.50	0.00	2,232	179.39	0.05
26.60	0.00	2,212	179.39	0.05
26.70	0.00	2,194	179.38	0.05
26.80	0.00	2,175	179.38	0.05
26.90	0.00	2,157	179.38	0.05
27.00	0.00	2,139	179.38	0.05
27.10	0.00	2,121	179.37	0.05
27.20	0.00	2,104	179.37	0.05
27.30	0.00	2,087	179.37	0.05
27.40	0.00	2,070	179.36	0.05
27.50	0.00	2,054	179.36	0.05
27.60	0.00	2,037	179.36	0.04
27.70	0.00	2,022	179.36	0.04
27.80	0.00	2,006	179.35	0.04
27.90	0.00	1,991	179.35	0.04
28.00	0.00	1,976	179.35	0.04
28.10	0.00	1,961	179.35	0.04
28.20	0.00	1,947	179.34	0.04
28.30	0.00	1,933	179.34	0.04
28.40	0.00	1,919	179.34	0.04
28.50	0.00	1,906	179.34	0.04
28.60	0.00	1,893	179.33	0.04
28.70	0.00	1,880	179.33	0.04
28.80	0.00	1,868	179.33	0.03
28.90	0.00	1,856	179.33	0.03
29.00	0.00	1,844	179.33	0.03
29.10	0.00	1,832	179.32	0.03
29.20	0.00	1,820	179.32	0.03
29.30	0.00	1,809	179.32	0.03
29.40	0.00	1,798	179.32	0.03
29.50	0.00	1,788	179.32	0.03
29.60	0.00	1,777	179.31	0.03
29.70	0.00	1,767	179.31	0.03
29.80	0.00	1,757	179.31	0.03
29.90	0.00	1,747	179.31	0.03
30.00	0.00	1,737	179.31	0.03
30.10	0.00	1,728	179.31	0.03
30.20	0.00	1,718	179.30	0.03
30.30	0.00	1,709	179.30	0.02
30.40	0.00	1,700	179.30	0.02
30.50	0.00	1,692	179.30	0.02
30.60	0.00	1,683	179.30	0.02
30.70	0.00	1,675	179.30	0.02
30.80	0.00	1,667	179.29	0.02
30.90	0.00	1,659	179.29	0.02
31.00	0.00	1,651	179.29	0.02
31.10	0.00	1,643	179.29	0.02

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	1,636	179.29	0.02
31.30	0.00	1,628	179.29	0.02
31.40	0.00	1,621	179.29	0.02
31.50	0.00	1,614	179.29	0.02
31.60	0.00	1,607	179.28	0.02
31.70	0.00	1,601	179.28	0.02
31.80	0.00	1,594	179.28	0.02
31.90	0.00	1,587	179.28	0.02
32.00	0.00	1,581	179.28	0.02
32.10	0.00	1,575	179.28	0.02
32.20	0.00	1,569	179.28	0.02
32.30	0.00	1,563	179.28	0.02
32.40	0.00	1,557	179.28	0.02
32.50	0.00	1,551	179.27	0.02
32.60	0.00	1,545	179.27	0.02
32.70	0.00	1,540	179.27	0.02
32.80	0.00	1,534	179.27	0.02
32.90	0.00	1,529	179.27	0.01
33.00	0.00	1,523	179.27	0.01
33.10	0.00	1,518	179.27	0.01
33.20	0.00	1,513	179.27	0.01
33.30	0.00	1,508	179.27	0.01
33.40	0.00	1,503	179.27	0.01
33.50	0.00	1,498	179.27	0.01
33.60	0.00	1,493	179.26	0.01
33.70	0.00	1,488	179.26	0.01
33.80	0.00	1,484	179.26	0.01
33.90	0.00	1,479	179.26	0.01
34.00	0.00	1,474	179.26	0.01
34.10	0.00	1,470	179.26	0.01
34.20	0.00	1,466	179.26	0.01
34.30	0.00	1,461	179.26	0.01
34.40	0.00	1,457	179.26	0.01
34.50	0.00	1,453	179.26	0.01
34.60	0.00	1,449	179.26	0.01
34.70	0.00	1,445	179.26	0.01
34.80	0.00	1,441	179.26	0.01
34.90	0.00	1,437	179.25	0.01
35.00	0.00	1,433	179.25	0.01
35.10	0.00	1,429	179.25	0.01
35.20	0.00	1,426	179.25	0.01
35.30	0.00	1,422	179.25	0.01
35.40	0.00	1,418	179.25	0.01
35.50	0.00	1,415	179.25	0.01
35.60	0.00	1,411	179.25	0.01
35.70	0.00	1,408	179.25	0.01
35.80	0.00	1,404	179.25	0.01
35.90	0.00	1,401	179.25	0.01
36.00	0.00	1,398	179.25	0.01
36.10	0.00	1,395	179.25	0.01
36.20	0.00	1,392	179.25	0.01
36.30	0.00	1,388	179.25	0.01

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	1,385	179.25	0.01
36.50	0.00	1,382	179.25	0.01
36.60	0.00	1,380	179.25	0.01
36.70	0.00	1,377	179.24	0.01
36.80	0.00	1,374	179.24	0.01
36.90	0.00	1,371	179.24	0.01
37.00	0.00	1,368	179.24	0.01
37.10	0.00	1,365	179.24	0.01
37.20	0.00	1,363	179.24	0.01
37.30	0.00	1,360	179.24	0.01
37.40	0.00	1,358	179.24	0.01
37.50	0.00	1,355	179.24	0.01
37.60	0.00	1,353	179.24	0.01
37.70	0.00	1,350	179.24	0.01
37.80	0.00	1,348	179.24	0.01
37.90	0.00	1,345	179.24	0.01
38.00	0.00	1,343	179.24	0.01
38.10	0.00	1,341	179.24	0.01
38.20	0.00	1,338	179.24	0.01
38.30	0.00	1,336	179.24	0.01
38.40	0.00	1,334	179.24	0.01
38.50	0.00	1,331	179.24	0.01
38.60	0.00	1,329	179.24	0.01
38.70	0.00	1,327	179.24	0.01
38.80	0.00	1,325	179.24	0.01
38.90	0.00	1,322	179.24	0.01
39.00	0.00	1,320	179.23	0.01
39.10	0.00	1,318	179.23	0.01
39.20	0.00	1,316	179.23	0.01
39.30	0.00	1,314	179.23	0.01
39.40	0.00	1,312	179.23	0.01
39.50	0.00	1,310	179.23	0.01
39.60	0.00	1,308	179.23	0.01
39.70	0.00	1,306	179.23	0.01
39.80	0.00	1,304	179.23	0.01
39.90	0.00	1,302	179.23	0.01
40.00	0.00	1,300	179.23	0.01

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0
179.01	5,518	55
179.02	5,528	110
179.03	5,538	166
179.04	5,548	221
179.05	5,558	277
179.06	5,568	332
179.07	5,578	388
179.08	5,588	444
179.09	5,597	500
179.10	5,607	556
179.11	5,617	612
179.12	5,627	668
179.13	5,637	724
179.14	5,647	781
179.15	5,657	837
179.16	5,667	894
179.17	5,677	951
179.18	5,687	1,008
179.19	5,697	1,064
179.20	5,707	1,121
179.21	5,717	1,179
179.22	5,727	1,236
179.23	5,737	1,293
179.24	5,747	1,351
179.25	5,757	1,408
179.26	5,766	1,466
179.27	5,776	1,523
179.28	5,786	1,581
179.29	5,796	1,639
179.30	5,806	1,697
179.31	5,816	1,755
179.32	5,826	1,813
179.33	5,836	1,872
179.34	5,846	1,930
179.35	5,856	1,989
179.36	5,866	2,047
179.37	5,876	2,106
179.38	5,886	2,165
179.39	5,896	2,224
179.40	5,906	2,283
179.41	5,916	2,342
179.42	5,925	2,401
179.43	5,935	2,460
179.44	5,945	2,520
179.45	5,955	2,579
179.46	5,965	2,639
179.47	5,975	2,699
179.48	5,985	2,758
179.49	5,995	2,818
179.50	6,005	2,878
179.51	6,015	2,938
179.52	6,025	2,999
179.53	6,035	3,059
179.54	6,045	3,119
179.55	6,055	3,180
179.56	6,065	3,240
179.57	6,075	3,301
179.58	6,085	3,362
179.59	6,094	3,423
179.60	6,104	3,484
179.61	6,114	3,545
179.62	6,124	3,606
179.63	6,134	3,667
179.64	6,144	3,729
179.65	6,154	3,790
179.66	6,164	3,852
179.67	6,174	3,913
179.68	6,184	3,975
179.69	6,194	4,037
179.70	6,204	4,099
179.71	6,214	4,161
179.72	6,224	4,223
179.73	6,234	4,286
179.74	6,244	4,348
179.75	6,254	4,411
179.76	6,263	4,473
179.77	6,273	4,536
179.78	6,283	4,599
179.79	6,293	4,661
179.80	6,303	4,724
179.81	6,313	4,788
179.82	6,323	4,851
179.83	6,333	4,914
179.84	6,343	4,977
179.85	6,353	5,041
179.86	6,363	5,104
179.87	6,373	5,168
179.88	6,383	5,232
179.89	6,393	5,296
179.90	6,403	5,360
179.91	6,413	5,424
179.92	6,422	5,488
179.93	6,432	5,552
179.94	6,442	5,617
179.95	6,452	5,681
179.96	6,462	5,746
179.97	6,472	5,810
179.98	6,482	5,875
179.99	6,492	5,940
180.00	6,502	6,005
180.01	6,512	6,070
180.02	6,523	6,135
180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640	181.60	8,216	17,762
181.09	7,652	13,716	181.61	8,227	17,844
181.10	7,663	13,793	181.62	8,238	17,927
181.11	7,674	13,869	181.63	8,249	18,009
181.12	7,685	13,946	181.64	8,260	18,092
181.13	7,696	14,023	181.65	8,271	18,174
181.14	7,707	14,100	181.66	8,282	18,257
181.15	7,718	14,177	181.67	8,293	18,340
181.16	7,729	14,254	181.68	8,304	18,423
181.17	7,740	14,332	181.69	8,315	18,506
181.18	7,751	14,409	181.70	8,326	18,589
181.19	7,762	14,487	181.71	8,337	18,673
181.20	7,773	14,565	181.72	8,348	18,756
181.21	7,784	14,642	181.73	8,359	18,840
181.22	7,795	14,720	181.74	8,370	18,923
181.23	7,806	14,798	181.75	8,382	19,007
181.24	7,817	14,876	181.76	8,393	19,091
181.25	7,829	14,955	181.77	8,404	19,175
181.26	7,840	15,033	181.78	8,415	19,259
181.27	7,851	15,111	181.79	8,426	19,343
181.28	7,862	15,190	181.80	8,437	19,428
181.29	7,873	15,269	181.81	8,448	19,512
181.30	7,884	15,347	181.82	8,459	19,596
181.31	7,895	15,426	181.83	8,470	19,681
181.32	7,906	15,505	181.84	8,481	19,766
181.33	7,917	15,584	181.85	8,492	19,851
181.34	7,928	15,664	181.86	8,503	19,936
181.35	7,939	15,743	181.87	8,514	20,021
181.36	7,950	15,822	181.88	8,525	20,106
181.37	7,961	15,902	181.89	8,536	20,191
181.38	7,972	15,982	181.90	8,547	20,277
181.39	7,983	16,061	181.91	8,558	20,362
181.40	7,994	16,141	181.92	8,570	20,448
181.41	8,005	16,221	181.93	8,581	20,534
181.42	8,017	16,301	181.94	8,592	20,620
181.43	8,028	16,382	181.95	8,603	20,705
181.44	8,039	16,462	181.96	8,614	20,792
181.45	8,050	16,542	181.97	8,625	20,878
181.46	8,061	16,623	181.98	8,636	20,964
181.47	8,072	16,704	181.99	8,647	21,050
181.48	8,083	16,784	182.00	8,658	21,137
181.49	8,094	16,865	182.01	8,670	21,224
181.50	8,105	16,946	182.02	8,681	21,310
181.51	8,116	17,027	182.03	8,693	21,397
181.52	8,127	17,109	182.04	8,705	21,484
181.53	8,138	17,190	182.05	8,716	21,571
181.54	8,149	17,271	182.06	8,728	21,659
181.55	8,160	17,353	182.07	8,739	21,746
181.56	8,171	17,435	182.08	8,751	21,833
181.57	8,182	17,516	182.09	8,763	21,921
181.58	8,193	17,598	182.10	8,774	22,009
181.59	8,205	17,680	182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 1.87" for Current 2 yr event
Inflow = 3.39 cfs @ 12.09 hrs, Volume= 0.216 af
Outflow = 0.11 cfs @ 14.88 hrs, Volume= 0.154 af, Atten= 97%, Lag= 167.3 min
Primary = 0.11 cfs @ 14.88 hrs, Volume= 0.154 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.87' @ 14.88 hrs Surf.Area= 7,877 sf Storage= 6,392 cf

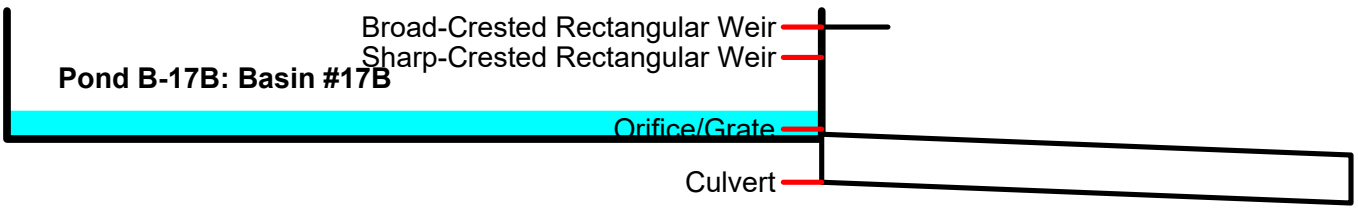
Plug-Flow detention time= 620.4 min calculated for 0.154 af (71% of inflow)
Center-of-Mass det. time= 518.0 min (1,312.4 - 794.4)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

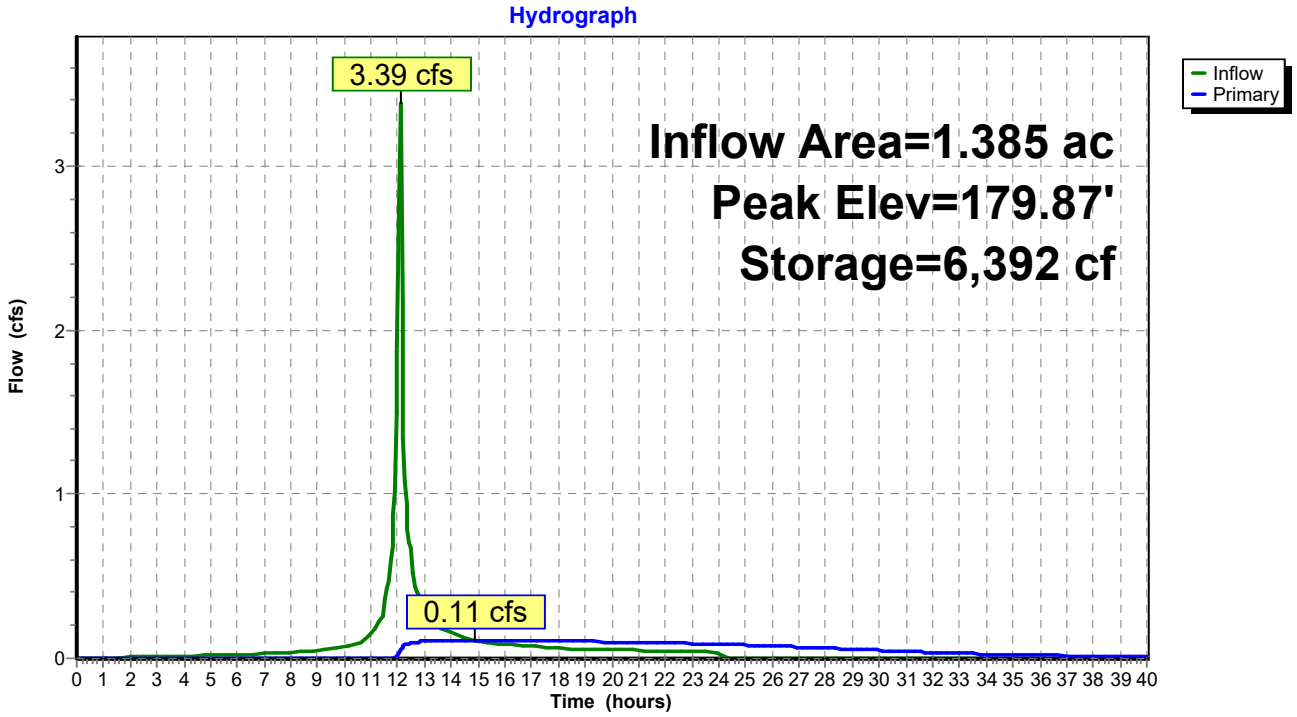
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.11 cfs @ 14.88 hrs HW=179.87' (Free Discharge)
- **1=Culvert** (Passes 0.11 cfs of 10.31 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.11 cfs @ 3.24 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	0	179.00	0.00
1.40	0.00	1	179.00	0.00
1.50	0.00	1	179.00	0.00
1.60	0.00	2	179.00	0.00
1.70	0.00	4	179.00	0.00
1.80	0.00	5	179.00	0.00
1.90	0.00	7	179.00	0.00
2.00	0.01	9	179.00	0.00
2.10	0.01	11	179.00	0.00
2.20	0.01	13	179.00	0.00
2.30	0.01	15	179.00	0.00
2.40	0.01	18	179.00	0.00
2.50	0.01	21	179.00	0.00
2.60	0.01	24	179.00	0.00
2.70	0.01	27	179.00	0.00
2.80	0.01	31	179.00	0.00
2.90	0.01	34	179.00	0.00
3.00	0.01	38	179.01	0.00
3.10	0.01	42	179.01	0.00
3.20	0.01	46	179.01	0.00
3.30	0.01	50	179.01	0.00
3.40	0.01	54	179.01	0.00
3.50	0.01	59	179.01	0.00
3.60	0.01	64	179.01	0.00
3.70	0.01	69	179.01	0.00
3.80	0.01	74	179.01	0.00
3.90	0.01	79	179.01	0.00
4.00	0.01	84	179.01	0.00
4.10	0.02	89	179.01	0.00
4.20	0.02	95	179.01	0.00
4.30	0.02	101	179.01	0.00
4.40	0.02	106	179.02	0.00
4.50	0.02	112	179.02	0.00
4.60	0.02	118	179.02	0.00
4.70	0.02	125	179.02	0.00
4.80	0.02	131	179.02	0.00
4.90	0.02	137	179.02	0.00
5.00	0.02	144	179.02	0.00
5.10	0.02	151	179.02	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	158	179.02	0.00
5.30	0.02	164	179.02	0.00
5.40	0.02	171	179.02	0.00
5.50	0.02	179	179.03	0.00
5.60	0.02	186	179.03	0.00
5.70	0.02	193	179.03	0.00
5.80	0.02	201	179.03	0.00
5.90	0.02	208	179.03	0.00
6.00	0.02	216	179.03	0.00
6.10	0.02	224	179.03	0.00
6.20	0.02	232	179.03	0.00
6.30	0.02	240	179.03	0.00
6.40	0.02	249	179.04	0.00
6.50	0.03	258	179.04	0.00
6.60	0.03	267	179.04	0.00
6.70	0.03	277	179.04	0.00
6.80	0.03	286	179.04	0.00
6.90	0.03	296	179.04	0.00
7.00	0.03	307	179.04	0.00
7.10	0.03	317	179.05	0.00
7.20	0.03	328	179.05	0.00
7.30	0.03	339	179.05	0.00
7.40	0.03	350	179.05	0.00
7.50	0.03	362	179.05	0.00
7.60	0.03	373	179.05	0.00
7.70	0.03	386	179.06	0.00
7.80	0.03	398	179.06	0.00
7.90	0.04	411	179.06	0.00
8.00	0.04	424	179.06	0.00
8.10	0.04	437	179.06	0.00
8.20	0.04	450	179.07	0.00
8.30	0.04	464	179.07	0.00
8.40	0.04	478	179.07	0.00
8.50	0.04	492	179.07	0.00
8.60	0.04	507	179.07	0.00
8.70	0.04	522	179.08	0.00
8.80	0.04	537	179.08	0.00
8.90	0.04	552	179.08	0.00
9.00	0.04	568	179.08	0.00
9.10	0.05	584	179.08	0.00
9.20	0.05	601	179.09	0.00
9.30	0.05	619	179.09	0.00
9.40	0.05	638	179.09	0.00
9.50	0.06	658	179.10	0.00
9.60	0.06	679	179.10	0.00
9.70	0.06	701	179.10	0.00
9.80	0.06	723	179.10	0.00
9.90	0.07	747	179.11	0.00
10.00	0.07	772	179.11	0.00
10.10	0.07	797	179.12	0.00
10.20	0.07	823	179.12	0.00
10.30	0.08	851	179.12	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.08	879	179.13	0.00
10.50	0.08	909	179.13	0.00
10.60	0.09	940	179.14	0.00
10.70	0.10	976	179.14	0.00
10.80	0.12	1,015	179.15	0.00
10.90	0.13	1,060	179.15	0.00
11.00	0.14	1,109	179.16	0.00
11.10	0.17	1,165	179.17	0.00
11.20	0.19	1,229	179.18	0.00
11.30	0.22	1,303	179.19	0.00
11.40	0.25	1,387	179.20	0.00
11.50	0.27	1,481	179.21	0.00
11.60	0.43	1,610	179.23	0.00
11.70	0.48	1,775	179.25	0.00
11.80	0.69	1,988	179.28	0.00
11.90	1.01	2,298	179.33	0.00
12.00	1.87	2,825	179.40	0.01
12.10	**3.37**	3,781	179.53	0.06
12.20	1.35	4,572	179.63	0.08
12.30	0.94	4,942	179.68	0.08
12.40	0.70	5,201	179.71	0.09
12.50	0.66	5,413	179.74	0.09
12.60	0.44	5,573	179.76	0.10
12.70	0.41	5,690	179.78	0.10
12.80	0.38	5,794	179.79	0.10
12.90	0.34	5,886	179.80	0.10
13.00	0.31	5,965	179.81	0.10
13.10	0.27	6,030	179.82	0.10
13.20	0.25	6,086	179.83	0.11
13.30	0.23	6,135	179.84	0.11
13.40	0.21	6,177	179.84	0.11
13.50	0.19	6,211	179.84	0.11
13.60	0.18	6,239	179.85	0.11
13.70	0.17	6,262	179.85	0.11
13.80	0.17	6,283	179.85	0.11
13.90	0.16	6,302	179.86	0.11
14.00	0.16	6,319	179.86	0.11
14.10	0.15	6,335	179.86	0.11
14.20	0.15	6,349	179.86	0.11
14.30	0.14	6,360	179.86	0.11
14.40	0.14	6,370	179.86	0.11
14.50	0.13	6,378	179.87	0.11
14.60	0.13	6,385	179.87	0.11
14.70	0.12	6,389	179.87	0.11
14.80	0.12	6,391	179.87	0.11
14.90	0.11	**6,392**	**179.87**	**0.11**
15.00	0.10	6,391	179.87	0.11
15.10	0.10	6,387	179.87	0.11
15.20	0.10	6,383	179.87	0.11
15.30	0.10	6,378	179.87	0.11
15.40	0.10	6,373	179.87	0.11
15.50	0.09	6,368	179.86	0.11

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.09	6,362	179.86	0.11
15.70	0.09	6,355	179.86	0.11
15.80	0.09	6,348	179.86	0.11
15.90	0.09	6,341	179.86	0.11
16.00	0.09	6,333	179.86	0.11
16.10	0.09	6,325	179.86	0.11
16.20	0.08	6,316	179.86	0.11
16.30	0.08	6,307	179.86	0.11
16.40	0.08	6,298	179.86	0.11
16.50	0.08	6,288	179.85	0.11
16.60	0.08	6,277	179.85	0.11
16.70	0.08	6,266	179.85	0.11
16.80	0.08	6,255	179.85	0.11
16.90	0.08	6,243	179.85	0.11
17.00	0.07	6,231	179.85	0.11
17.10	0.07	6,219	179.85	0.11
17.20	0.07	6,206	179.84	0.11
17.30	0.07	6,192	179.84	0.11
17.40	0.07	6,179	179.84	0.11
17.50	0.07	6,164	179.84	0.11
17.60	0.07	6,150	179.84	0.11
17.70	0.06	6,135	179.83	0.11
17.80	0.06	6,119	179.83	0.11
17.90	0.06	6,103	179.83	0.11
18.00	0.06	6,087	179.83	0.11
18.10	0.06	6,070	179.83	0.11
18.20	0.06	6,053	179.82	0.11
18.30	0.06	6,036	179.82	0.10
18.40	0.06	6,019	179.82	0.10
18.50	0.06	6,002	179.82	0.10
18.60	0.06	5,985	179.82	0.10
18.70	0.06	5,968	179.81	0.10
18.80	0.06	5,951	179.81	0.10
18.90	0.06	5,934	179.81	0.10
19.00	0.06	5,917	179.81	0.10
19.10	0.06	5,900	179.80	0.10
19.20	0.05	5,883	179.80	0.10
19.30	0.05	5,866	179.80	0.10
19.40	0.05	5,849	179.80	0.10
19.50	0.05	5,831	179.80	0.10
19.60	0.05	5,814	179.79	0.10
19.70	0.05	5,797	179.79	0.10
19.80	0.05	5,780	179.79	0.10
19.90	0.05	5,763	179.79	0.10
20.00	0.05	5,745	179.79	0.10
20.10	0.05	5,728	179.78	0.10
20.20	0.05	5,711	179.78	0.10
20.30	0.05	5,693	179.78	0.10
20.40	0.05	5,676	179.78	0.10
20.50	0.05	5,659	179.77	0.10
20.60	0.05	5,642	179.77	0.10
20.70	0.05	5,624	179.77	0.10

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	5,607	179.77	0.10
20.90	0.05	5,589	179.77	0.10
21.00	0.05	5,572	179.76	0.10
21.10	0.05	5,555	179.76	0.10
21.20	0.05	5,537	179.76	0.10
21.30	0.05	5,520	179.76	0.10
21.40	0.05	5,502	179.75	0.10
21.50	0.05	5,485	179.75	0.10
21.60	0.05	5,467	179.75	0.09
21.70	0.05	5,450	179.75	0.09
21.80	0.05	5,433	179.74	0.09
21.90	0.05	5,415	179.74	0.09
22.00	0.05	5,398	179.74	0.09
22.10	0.04	5,380	179.74	0.09
22.20	0.04	5,363	179.74	0.09
22.30	0.04	5,345	179.73	0.09
22.40	0.04	5,328	179.73	0.09
22.50	0.04	5,310	179.73	0.09
22.60	0.04	5,292	179.73	0.09
22.70	0.04	5,275	179.72	0.09
22.80	0.04	5,257	179.72	0.09
22.90	0.04	5,240	179.72	0.09
23.00	0.04	5,222	179.72	0.09
23.10	0.04	5,205	179.72	0.09
23.20	0.04	5,187	179.71	0.09
23.30	0.04	5,169	179.71	0.09
23.40	0.04	5,152	179.71	0.09
23.50	0.04	5,134	179.71	0.09
23.60	0.04	5,117	179.70	0.09
23.70	0.04	5,099	179.70	0.09
23.80	0.04	5,082	179.70	0.09
23.90	0.04	5,064	179.70	0.09
24.00	0.05	5,048	179.69	0.09
24.10	0.00	5,025	179.69	0.09
24.20	0.00	4,994	179.69	0.09
24.30	0.00	4,963	179.68	0.09
24.40	0.00	4,932	179.68	0.08
24.50	0.00	4,902	179.68	0.08
24.60	0.00	4,872	179.67	0.08
24.70	0.00	4,842	179.67	0.08
24.80	0.00	4,813	179.66	0.08
24.90	0.00	4,783	179.66	0.08
25.00	0.00	4,754	179.66	0.08
25.10	0.00	4,725	179.65	0.08
25.20	0.00	4,696	179.65	0.08
25.30	0.00	4,668	179.65	0.08
25.40	0.00	4,640	179.64	0.08
25.50	0.00	4,611	179.64	0.08
25.60	0.00	4,584	179.63	0.08
25.70	0.00	4,556	179.63	0.08
25.80	0.00	4,529	179.63	0.08
25.90	0.00	4,502	179.62	0.07

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,475	179.62	0.07
26.10	0.00	4,448	179.62	0.07
26.20	0.00	4,422	179.61	0.07
26.30	0.00	4,395	179.61	0.07
26.40	0.00	4,370	179.61	0.07
26.50	0.00	4,344	179.60	0.07
26.60	0.00	4,318	179.60	0.07
26.70	0.00	4,293	179.60	0.07
26.80	0.00	4,268	179.59	0.07
26.90	0.00	4,243	179.59	0.07
27.00	0.00	4,219	179.59	0.07
27.10	0.00	4,194	179.58	0.07
27.20	0.00	4,170	179.58	0.07
27.30	0.00	4,146	179.58	0.07
27.40	0.00	4,123	179.57	0.07
27.50	0.00	4,099	179.57	0.06
27.60	0.00	4,076	179.57	0.06
27.70	0.00	4,053	179.56	0.06
27.80	0.00	4,030	179.56	0.06
27.90	0.00	4,008	179.56	0.06
28.00	0.00	3,986	179.55	0.06
28.10	0.00	3,964	179.55	0.06
28.20	0.00	3,942	179.55	0.06
28.30	0.00	3,920	179.55	0.06
28.40	0.00	3,899	179.54	0.06
28.50	0.00	3,878	179.54	0.06
28.60	0.00	3,857	179.54	0.06
28.70	0.00	3,836	179.54	0.06
28.80	0.00	3,816	179.53	0.06
28.90	0.00	3,796	179.53	0.06
29.00	0.00	3,776	179.53	0.06
29.10	0.00	3,756	179.52	0.05
29.20	0.00	3,737	179.52	0.05
29.30	0.00	3,718	179.52	0.05
29.40	0.00	3,699	179.52	0.05
29.50	0.00	3,680	179.51	0.05
29.60	0.00	3,661	179.51	0.05
29.70	0.00	3,643	179.51	0.05
29.80	0.00	3,625	179.51	0.05
29.90	0.00	3,608	179.50	0.05
30.00	0.00	3,590	179.50	0.05
30.10	0.00	3,573	179.50	0.05
30.20	0.00	3,556	179.50	0.05
30.30	0.00	3,539	179.50	0.05
30.40	0.00	3,523	179.49	0.05
30.50	0.00	3,506	179.49	0.04
30.60	0.00	3,490	179.49	0.04
30.70	0.00	3,474	179.49	0.04
30.80	0.00	3,459	179.48	0.04
30.90	0.00	3,443	179.48	0.04
31.00	0.00	3,428	179.48	0.04
31.10	0.00	3,413	179.48	0.04

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,399	179.48	0.04
31.30	0.00	3,384	179.47	0.04
31.40	0.00	3,370	179.47	0.04
31.50	0.00	3,356	179.47	0.04
31.60	0.00	3,342	179.47	0.04
31.70	0.00	3,329	179.47	0.04
31.80	0.00	3,316	179.47	0.04
31.90	0.00	3,303	179.46	0.04
32.00	0.00	3,290	179.46	0.04
32.10	0.00	3,277	179.46	0.03
32.20	0.00	3,265	179.46	0.03
32.30	0.00	3,253	179.46	0.03
32.40	0.00	3,241	179.45	0.03
32.50	0.00	3,229	179.45	0.03
32.60	0.00	3,218	179.45	0.03
32.70	0.00	3,206	179.45	0.03
32.80	0.00	3,195	179.45	0.03
32.90	0.00	3,184	179.45	0.03
33.00	0.00	3,173	179.45	0.03
33.10	0.00	3,163	179.44	0.03
33.20	0.00	3,153	179.44	0.03
33.30	0.00	3,142	179.44	0.03
33.40	0.00	3,132	179.44	0.03
33.50	0.00	3,123	179.44	0.03
33.60	0.00	3,113	179.44	0.03
33.70	0.00	3,103	179.44	0.03
33.80	0.00	3,094	179.44	0.03
33.90	0.00	3,085	179.43	0.03
34.00	0.00	3,076	179.43	0.03
34.10	0.00	3,067	179.43	0.02
34.20	0.00	3,058	179.43	0.02
34.30	0.00	3,049	179.43	0.02
34.40	0.00	3,041	179.43	0.02
34.50	0.00	3,032	179.43	0.02
34.60	0.00	3,024	179.43	0.02
34.70	0.00	3,016	179.42	0.02
34.80	0.00	3,008	179.42	0.02
34.90	0.00	3,000	179.42	0.02
35.00	0.00	2,992	179.42	0.02
35.10	0.00	2,985	179.42	0.02
35.20	0.00	2,977	179.42	0.02
35.30	0.00	2,970	179.42	0.02
35.40	0.00	2,963	179.42	0.02
35.50	0.00	2,955	179.42	0.02
35.60	0.00	2,948	179.42	0.02
35.70	0.00	2,941	179.41	0.02
35.80	0.00	2,935	179.41	0.02
35.90	0.00	2,928	179.41	0.02
36.00	0.00	2,921	179.41	0.02
36.10	0.00	2,915	179.41	0.02
36.20	0.00	2,908	179.41	0.02
36.30	0.00	2,902	179.41	0.02

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,896	179.41	0.02
36.50	0.00	2,890	179.41	0.02
36.60	0.00	2,884	179.41	0.02
36.70	0.00	2,878	179.41	0.02
36.80	0.00	2,872	179.40	0.02
36.90	0.00	2,866	179.40	0.02
37.00	0.00	2,861	179.40	0.02
37.10	0.00	2,855	179.40	0.02
37.20	0.00	2,850	179.40	0.02
37.30	0.00	2,844	179.40	0.01
37.40	0.00	2,839	179.40	0.01
37.50	0.00	2,834	179.40	0.01
37.60	0.00	2,829	179.40	0.01
37.70	0.00	2,824	179.40	0.01
37.80	0.00	2,819	179.40	0.01
37.90	0.00	2,814	179.40	0.01
38.00	0.00	2,809	179.40	0.01
38.10	0.00	2,804	179.40	0.01
38.20	0.00	2,799	179.39	0.01
38.30	0.00	2,795	179.39	0.01
38.40	0.00	2,790	179.39	0.01
38.50	0.00	2,785	179.39	0.01
38.60	0.00	2,781	179.39	0.01
38.70	0.00	2,776	179.39	0.01
38.80	0.00	2,772	179.39	0.01
38.90	0.00	2,767	179.39	0.01
39.00	0.00	2,763	179.39	0.01
39.10	0.00	2,759	179.39	0.01
39.20	0.00	2,755	179.39	0.01
39.30	0.00	2,750	179.39	0.01
39.40	0.00	2,746	179.39	0.01
39.50	0.00	2,742	179.39	0.01
39.60	0.00	2,738	179.39	0.01
39.70	0.00	2,734	179.39	0.01
39.80	0.00	2,730	179.39	0.01
39.90	0.00	2,726	179.38	0.01
40.00	0.00	2,722	179.38	0.01

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 1.89" for Current 2 yr event
Inflow = 3.45 cfs @ 12.10 hrs, Volume= 0.299 af
Outflow = 1.16 cfs @ 12.46 hrs, Volume= 0.228 af, Atten= 66%, Lag= 21.8 min
Primary = 1.16 cfs @ 12.46 hrs, Volume= 0.228 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.73' @ 12.46 hrs Surf.Area= 8,181 sf Storage= 5,731 cf

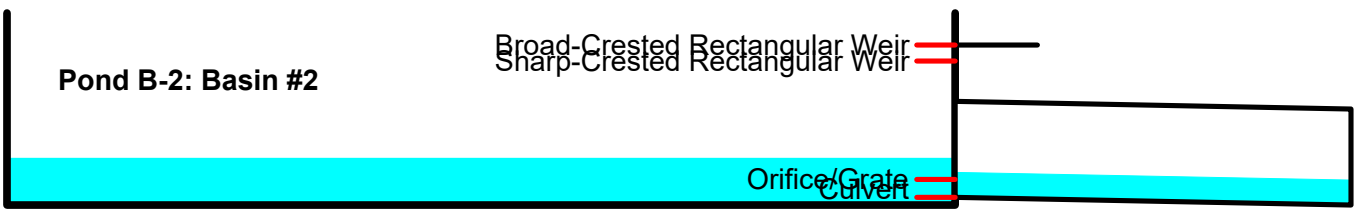
Plug-Flow detention time= 203.2 min calculated for 0.228 af (76% of inflow)
Center-of-Mass det. time= 109.9 min (907.0 - 797.1)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

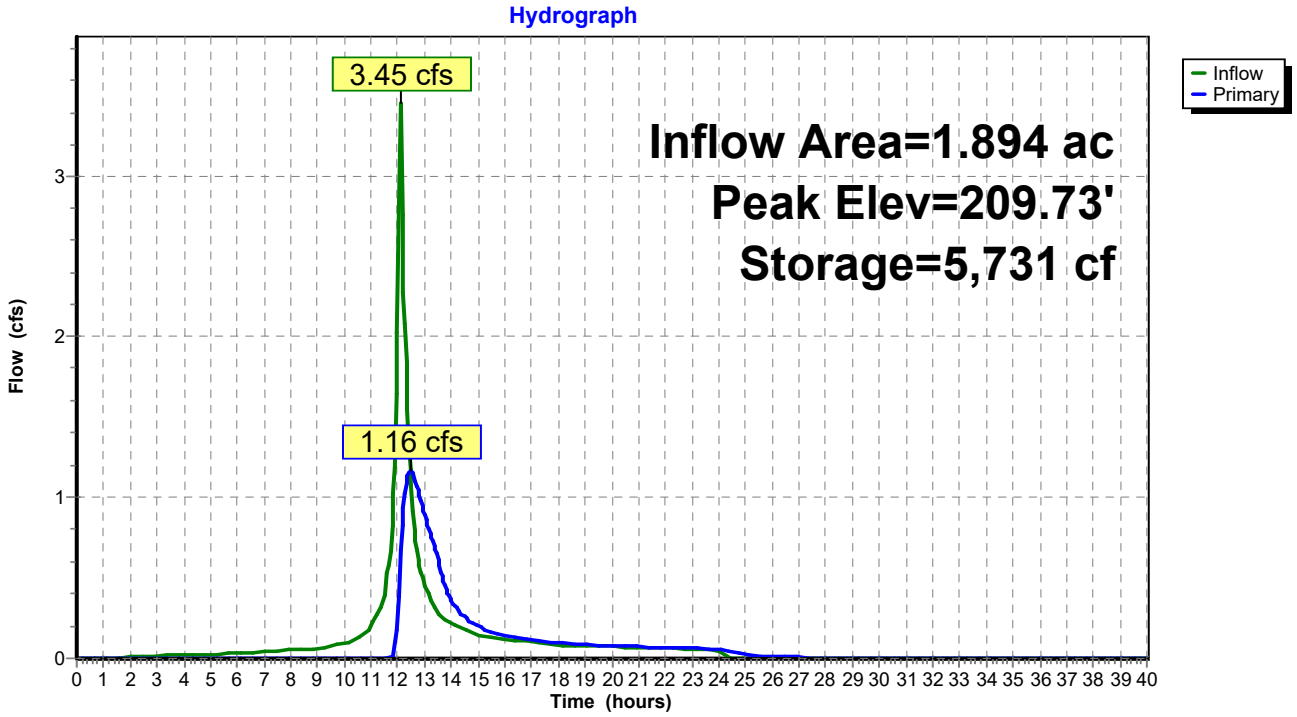
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.16 cfs @ 12.46 hrs HW=209.73' (Free Discharge)
- **1=Culvert** (Barrel Controls 1.16 cfs @ 2.54 fps)
  - **2=Orifice/Grate** (Passes 1.16 cfs of 1.83 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	1	209.00	0.00
1.50	0.00	2	209.00	0.00
1.60	0.00	3	209.00	0.00
1.70	0.01	5	209.00	0.00
1.80	0.01	7	209.00	0.00
1.90	0.01	9	209.00	0.00
2.00	0.01	12	209.00	0.00
2.10	0.01	15	209.00	0.00
2.20	0.01	18	209.00	0.00
2.30	0.01	22	209.00	0.00
2.40	0.01	25	209.00	0.00
2.50	0.01	29	209.00	0.00
2.60	0.01	34	209.00	0.00
2.70	0.01	38	209.01	0.00
2.80	0.01	43	209.01	0.00
2.90	0.01	48	209.01	0.00
3.00	0.01	53	209.01	0.00
3.10	0.02	59	209.01	0.00
3.20	0.02	65	209.01	0.00
3.30	0.02	70	209.01	0.00
3.40	0.02	77	209.01	0.00
3.50	0.02	83	209.01	0.00
3.60	0.02	90	209.01	0.00
3.70	0.02	97	209.01	0.00
3.80	0.02	104	209.01	0.00
3.90	0.02	111	209.01	0.00
4.00	0.02	118	209.02	0.00
4.10	0.02	126	209.02	0.00
4.20	0.02	134	209.02	0.00
4.30	0.02	142	209.02	0.00
4.40	0.02	150	209.02	0.00
4.50	0.02	158	209.02	0.00
4.60	0.02	167	209.02	0.00
4.70	0.02	175	209.02	0.00
4.80	0.02	184	209.02	0.00
4.90	0.03	193	209.03	0.00
5.00	0.03	203	209.03	0.00
5.10	0.03	212	209.03	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	222	209.03	0.00
5.30	0.03	231	209.03	0.00
5.40	0.03	241	209.03	0.00
5.50	0.03	251	209.03	0.00
5.60	0.03	262	209.03	0.00
5.70	0.03	272	209.04	0.00
5.80	0.03	283	209.04	0.00
5.90	0.03	293	209.04	0.00
6.00	0.03	304	209.04	0.00
6.10	0.03	315	209.04	0.00
6.20	0.03	327	209.04	0.00
6.30	0.03	339	209.04	0.00
6.40	0.03	351	209.05	0.00
6.50	0.04	363	209.05	0.00
6.60	0.04	376	209.05	0.00
6.70	0.04	390	209.05	0.00
6.80	0.04	403	209.05	0.00
6.90	0.04	417	209.06	0.00
7.00	0.04	432	209.06	0.00
7.10	0.04	446	209.06	0.00
7.20	0.04	461	209.06	0.00
7.30	0.04	477	209.06	0.00
7.40	0.04	493	209.07	0.00
7.50	0.05	509	209.07	0.00
7.60	0.05	526	209.07	0.00
7.70	0.05	543	209.07	0.00
7.80	0.05	560	209.07	0.00
7.90	0.05	578	209.08	0.00
8.00	0.05	596	209.08	0.00
8.10	0.05	615	209.08	0.00
8.20	0.05	634	209.08	0.00
8.30	0.05	653	209.09	0.00
8.40	0.06	673	209.09	0.00
8.50	0.06	693	209.09	0.00
8.60	0.06	713	209.09	0.00
8.70	0.06	734	209.10	0.00
8.80	0.06	756	209.10	0.00
8.90	0.06	777	209.10	0.00
9.00	0.06	799	209.11	0.00
9.10	0.07	822	209.11	0.00
9.20	0.07	846	209.11	0.00
9.30	0.07	872	209.12	0.00
9.40	0.08	899	209.12	0.00
9.50	0.08	927	209.12	0.00
9.60	0.08	956	209.13	0.00
9.70	0.09	986	209.13	0.00
9.80	0.09	1,018	209.13	0.00
9.90	0.09	1,052	209.14	0.00
10.00	0.10	1,086	209.14	0.00
10.10	0.10	1,122	209.15	0.00
10.20	0.11	1,159	209.15	0.00
10.30	0.11	1,198	209.16	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.11	1,238	209.16	0.00
10.50	0.12	1,279	209.17	0.00
10.60	0.13	1,324	209.17	0.00
10.70	0.14	1,373	209.18	0.00
10.80	0.16	1,427	209.19	0.00
10.90	0.17	1,488	209.20	0.00
11.00	0.19	1,554	209.20	0.00
11.10	0.22	1,629	209.21	0.00
11.20	0.25	1,715	209.23	0.00
11.30	0.29	1,813	209.24	0.00
11.40	0.32	1,923	209.25	0.00
11.50	0.36	2,046	209.27	0.00
11.60	0.54	2,210	209.29	0.00
11.70	0.61	2,416	209.32	0.00
11.80	0.83	2,678	209.35	0.00
11.90	1.18	3,044	209.40	0.00
12.00	2.03	3,606	209.47	0.17
12.10	**3.45**	4,464	209.57	0.68
12.20	2.28	5,181	209.66	0.94
12.30	1.84	5,558	209.71	1.09
12.40	1.32	**5,714**	**209.73**	**1.16**
12.50	1.08	**5,725**	**209.73**	**1.16**
12.60	0.80	5,646	209.72	1.13
12.70	0.67	5,513	209.70	1.07
12.80	0.58	5,361	209.69	1.01
12.90	0.51	5,203	209.67	0.95
13.00	0.46	5,047	209.65	0.89
13.10	0.41	4,894	209.63	0.83
13.20	0.37	4,746	209.61	0.78
13.30	0.34	4,604	209.59	0.73
13.40	0.32	4,470	209.58	0.68
13.50	0.29	4,345	209.56	0.61
13.60	0.26	4,238	209.55	0.54
13.70	0.25	4,146	209.54	0.48
13.80	0.23	4,069	209.53	0.43
13.90	0.23	4,005	209.52	0.39
14.00	0.22	3,952	209.51	0.35
14.10	0.21	3,906	209.50	0.33
14.20	0.21	3,867	209.50	0.31
14.30	0.20	3,833	209.50	0.29
14.40	0.19	3,802	209.49	0.27
14.50	0.18	3,775	209.49	0.26
14.60	0.18	3,751	209.49	0.24
14.70	0.17	3,729	209.48	0.23
14.80	0.16	3,708	209.48	0.22
14.90	0.16	3,689	209.48	0.21
15.00	0.15	3,670	209.48	0.20
15.10	0.14	3,652	209.47	0.19
15.20	0.14	3,635	209.47	0.18
15.30	0.14	3,619	209.47	0.18
15.40	0.13	3,605	209.47	0.17
15.50	0.13	3,592	209.47	0.16

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	3,581	209.46	0.16
15.70	0.13	3,570	209.46	0.15
15.80	0.13	3,561	209.46	0.15
15.90	0.12	3,552	209.46	0.15
16.00	0.12	3,545	209.46	0.14
16.10	0.12	3,537	209.46	0.14
16.20	0.12	3,531	209.46	0.14
16.30	0.12	3,524	209.46	0.13
16.40	0.11	3,518	209.46	0.13
16.50	0.11	3,513	209.46	0.13
16.60	0.11	3,507	209.45	0.13
16.70	0.11	3,502	209.45	0.12
16.80	0.11	3,497	209.45	0.12
16.90	0.10	3,492	209.45	0.12
17.00	0.10	3,488	209.45	0.12
17.10	0.10	3,483	209.45	0.11
17.20	0.10	3,478	209.45	0.11
17.30	0.10	3,474	209.45	0.11
17.40	0.10	3,469	209.45	0.11
17.50	0.09	3,465	209.45	0.11
17.60	0.09	3,460	209.45	0.10
17.70	0.09	3,456	209.45	0.10
17.80	0.09	3,451	209.45	0.10
17.90	0.09	3,446	209.45	0.10
18.00	0.08	3,441	209.45	0.10
18.10	0.08	3,436	209.45	0.10
18.20	0.08	3,431	209.45	0.09
18.30	0.08	3,426	209.44	0.09
18.40	0.08	3,421	209.44	0.09
18.50	0.08	3,417	209.44	0.09
18.60	0.08	3,413	209.44	0.09
18.70	0.08	3,410	209.44	0.09
18.80	0.08	3,407	209.44	0.09
18.90	0.08	3,403	209.44	0.09
19.00	0.08	3,401	209.44	0.08
19.10	0.08	3,398	209.44	0.08
19.20	0.08	3,395	209.44	0.08
19.30	0.08	3,393	209.44	0.08
19.40	0.07	3,391	209.44	0.08
19.50	0.07	3,388	209.44	0.08
19.60	0.07	3,386	209.44	0.08
19.70	0.07	3,384	209.44	0.08
19.80	0.07	3,382	209.44	0.08
19.90	0.07	3,381	209.44	0.08
20.00	0.07	3,379	209.44	0.08
20.10	0.07	3,377	209.44	0.08
20.20	0.07	3,375	209.44	0.08
20.30	0.07	3,374	209.44	0.08
20.40	0.07	3,372	209.44	0.07
20.50	0.07	3,370	209.44	0.07
20.60	0.07	3,369	209.44	0.07
20.70	0.07	3,367	209.44	0.07

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	3,366	209.44	0.07
20.90	0.07	3,364	209.44	0.07
21.00	0.07	3,363	209.44	0.07
21.10	0.07	3,361	209.44	0.07
21.20	0.07	3,359	209.44	0.07
21.30	0.07	3,358	209.44	0.07
21.40	0.07	3,357	209.44	0.07
21.50	0.06	3,355	209.44	0.07
21.60	0.06	3,354	209.44	0.07
21.70	0.06	3,352	209.44	0.07
21.80	0.06	3,351	209.43	0.07
21.90	0.06	3,349	209.43	0.07
22.00	0.06	3,348	209.43	0.07
22.10	0.06	3,346	209.43	0.07
22.20	0.06	3,345	209.43	0.07
22.30	0.06	3,344	209.43	0.06
22.40	0.06	3,342	209.43	0.06
22.50	0.06	3,341	209.43	0.06
22.60	0.06	3,339	209.43	0.06
22.70	0.06	3,338	209.43	0.06
22.80	0.06	3,336	209.43	0.06
22.90	0.06	3,335	209.43	0.06
23.00	0.06	3,334	209.43	0.06
23.10	0.06	3,332	209.43	0.06
23.20	0.06	3,331	209.43	0.06
23.30	0.06	3,329	209.43	0.06
23.40	0.06	3,328	209.43	0.06
23.50	0.06	3,326	209.43	0.06
23.60	0.05	3,325	209.43	0.06
23.70	0.05	3,323	209.43	0.06
23.80	0.05	3,322	209.43	0.06
23.90	0.05	3,321	209.43	0.06
24.00	0.06	3,320	209.43	0.06
24.10	0.03	3,316	209.43	0.06
24.20	0.02	3,304	209.43	0.05
24.30	0.01	3,290	209.43	0.05
24.40	0.00	3,276	209.43	0.04
24.50	0.00	3,262	209.42	0.04
24.60	0.00	3,249	209.42	0.03
24.70	0.00	3,238	209.42	0.03
24.80	0.00	3,228	209.42	0.03
24.90	0.00	3,219	209.42	0.02
25.00	0.00	3,210	209.42	0.02
25.10	0.00	3,202	209.42	0.02
25.20	0.00	3,194	209.42	0.02
25.30	0.00	3,187	209.41	0.02
25.40	0.00	3,180	209.41	0.02
25.50	0.00	3,174	209.41	0.02
25.60	0.00	3,168	209.41	0.02
25.70	0.00	3,162	209.41	0.02
25.80	0.00	3,157	209.41	0.01
25.90	0.00	3,152	209.41	0.01

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,148	209.41	0.01
26.10	0.00	3,143	209.41	0.01
26.20	0.00	3,139	209.41	0.01
26.30	0.00	3,135	209.41	0.01
26.40	0.00	3,132	209.41	0.01
26.50	0.00	3,128	209.41	0.01
26.60	0.00	3,125	209.41	0.01
26.70	0.00	3,122	209.41	0.01
26.80	0.00	3,119	209.41	0.01
26.90	0.00	3,116	209.41	0.01
27.00	0.00	3,114	209.40	0.01
27.10	0.00	3,112	209.40	0.01
27.20	0.00	3,109	209.40	0.01
27.30	0.00	3,107	209.40	0.01
27.40	0.00	3,105	209.40	0.01
27.50	0.00	3,103	209.40	0.00
27.60	0.00	3,102	209.40	0.00
27.70	0.00	3,100	209.40	0.00
27.80	0.00	3,099	209.40	0.00
27.90	0.00	3,097	209.40	0.00
28.00	0.00	3,096	209.40	0.00
28.10	0.00	3,095	209.40	0.00
28.20	0.00	3,093	209.40	0.00
28.30	0.00	3,092	209.40	0.00
28.40	0.00	3,091	209.40	0.00
28.50	0.00	3,090	209.40	0.00
28.60	0.00	3,089	209.40	0.00
28.70	0.00	3,088	209.40	0.00
28.80	0.00	3,088	209.40	0.00
28.90	0.00	3,087	209.40	0.00
29.00	0.00	3,086	209.40	0.00
29.10	0.00	3,085	209.40	0.00
29.20	0.00	3,085	209.40	0.00
29.30	0.00	3,084	209.40	0.00
29.40	0.00	3,084	209.40	0.00
29.50	0.00	3,083	209.40	0.00
29.60	0.00	3,083	209.40	0.00
29.70	0.00	3,082	209.40	0.00
29.80	0.00	3,082	209.40	0.00
29.90	0.00	3,081	209.40	0.00
30.00	0.00	3,081	209.40	0.00
30.10	0.00	3,080	209.40	0.00
30.20	0.00	3,080	209.40	0.00
30.30	0.00	3,080	209.40	0.00
30.40	0.00	3,080	209.40	0.00
30.50	0.00	3,079	209.40	0.00
30.60	0.00	3,079	209.40	0.00
30.70	0.00	3,079	209.40	0.00
30.80	0.00	3,078	209.40	0.00
30.90	0.00	3,078	209.40	0.00
31.00	0.00	3,078	209.40	0.00
31.10	0.00	3,078	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,078	209.40	0.00
31.30	0.00	3,077	209.40	0.00
31.40	0.00	3,077	209.40	0.00
31.50	0.00	3,077	209.40	0.00
31.60	0.00	3,077	209.40	0.00
31.70	0.00	3,077	209.40	0.00
31.80	0.00	3,077	209.40	0.00
31.90	0.00	3,077	209.40	0.00
32.00	0.00	3,077	209.40	0.00
32.10	0.00	3,076	209.40	0.00
32.20	0.00	3,076	209.40	0.00
32.30	0.00	3,076	209.40	0.00
32.40	0.00	3,076	209.40	0.00
32.50	0.00	3,076	209.40	0.00
32.60	0.00	3,076	209.40	0.00
32.70	0.00	3,076	209.40	0.00
32.80	0.00	3,076	209.40	0.00
32.90	0.00	3,076	209.40	0.00
33.00	0.00	3,076	209.40	0.00
33.10	0.00	3,076	209.40	0.00
33.20	0.00	3,076	209.40	0.00
33.30	0.00	3,076	209.40	0.00
33.40	0.00	3,076	209.40	0.00
33.50	0.00	3,075	209.40	0.00
33.60	0.00	3,075	209.40	0.00
33.70	0.00	3,075	209.40	0.00
33.80	0.00	3,075	209.40	0.00
33.90	0.00	3,075	209.40	0.00
34.00	0.00	3,075	209.40	0.00
34.10	0.00	3,075	209.40	0.00
34.20	0.00	3,075	209.40	0.00
34.30	0.00	3,075	209.40	0.00
34.40	0.00	3,075	209.40	0.00
34.50	0.00	3,075	209.40	0.00
34.60	0.00	3,075	209.40	0.00
34.70	0.00	3,075	209.40	0.00
34.80	0.00	3,075	209.40	0.00
34.90	0.00	3,075	209.40	0.00
35.00	0.00	3,075	209.40	0.00
35.10	0.00	3,075	209.40	0.00
35.20	0.00	3,075	209.40	0.00
35.30	0.00	3,075	209.40	0.00
35.40	0.00	3,075	209.40	0.00
35.50	0.00	3,075	209.40	0.00
35.60	0.00	3,075	209.40	0.00
35.70	0.00	3,075	209.40	0.00
35.80	0.00	3,075	209.40	0.00
35.90	0.00	3,075	209.40	0.00
36.00	0.00	3,075	209.40	0.00
36.10	0.00	3,075	209.40	0.00
36.20	0.00	3,075	209.40	0.00
36.30	0.00	3,075	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,075	209.40	0.00
36.50	0.00	3,075	209.40	0.00
36.60	0.00	3,075	209.40	0.00
36.70	0.00	3,075	209.40	0.00
36.80	0.00	3,075	209.40	0.00
36.90	0.00	3,075	209.40	0.00
37.00	0.00	3,075	209.40	0.00
37.10	0.00	3,075	209.40	0.00
37.20	0.00	3,075	209.40	0.00
37.30	0.00	3,075	209.40	0.00
37.40	0.00	3,075	209.40	0.00
37.50	0.00	3,075	209.40	0.00
37.60	0.00	3,075	209.40	0.00
37.70	0.00	3,075	209.40	0.00
37.80	0.00	3,075	209.40	0.00
37.90	0.00	3,075	209.40	0.00
38.00	0.00	3,075	209.40	0.00
38.10	0.00	3,075	209.40	0.00
38.20	0.00	3,075	209.40	0.00
38.30	0.00	3,075	209.40	0.00
38.40	0.00	3,075	209.40	0.00
38.50	0.00	3,075	209.40	0.00
38.60	0.00	3,075	209.40	0.00
38.70	0.00	3,075	209.40	0.00
38.80	0.00	3,075	209.40	0.00
38.90	0.00	3,075	209.40	0.00
39.00	0.00	3,075	209.40	0.00
39.10	0.00	3,075	209.40	0.00
39.20	0.00	3,075	209.40	0.00
39.30	0.00	3,075	209.40	0.00
39.40	0.00	3,075	209.40	0.00
39.50	0.00	3,075	209.40	0.00
39.60	0.00	3,075	209.40	0.00
39.70	0.00	3,075	209.40	0.00
39.80	0.00	3,075	209.40	0.00
39.90	0.00	3,075	209.40	0.00
40.00	0.00	3,075	209.40	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0	209.52	7,985	4,026
209.01	7,510	75	209.53	7,994	4,106
209.02	7,520	150	209.54	8,003	4,186
209.03	7,529	225	209.55	8,013	4,266
209.04	7,538	301	209.56	8,022	4,346
209.05	7,548	376	209.57	8,031	4,427
209.06	7,557	452	209.58	8,040	4,507
209.07	7,566	527	209.59	8,050	4,587
209.08	7,575	603	209.60	8,059	4,668
209.09	7,585	679	209.61	8,068	4,749
209.10	7,594	755	209.62	8,078	4,829
209.11	7,603	831	209.63	8,087	4,910
209.12	7,613	907	209.64	8,096	4,991
209.13	7,622	983	209.65	8,106	5,072
209.14	7,631	1,059	209.66	8,115	5,153
209.15	7,641	1,136	209.67	8,124	5,234
209.16	7,650	1,212	209.68	8,133	5,316
209.17	7,659	1,289	209.69	8,143	5,397
209.18	7,668	1,365	209.70	8,152	5,479
209.19	7,678	1,442	209.71	8,161	5,560
209.20	7,687	1,519	209.72	8,171	5,642
209.21	7,696	1,596	209.73	8,180	5,724
209.22	7,706	1,673	209.74	8,189	5,805
209.23	7,715	1,750	209.75	8,199	5,887
209.24	7,724	1,827	209.76	8,208	5,969
209.25	7,734	1,904	209.77	8,217	6,051
209.26	7,743	1,982	209.78	8,226	6,134
209.27	7,752	2,059	209.79	8,236	6,216
209.28	7,761	2,137	209.80	8,245	6,298
209.29	7,771	2,214	209.81	8,254	6,381
209.30	7,780	2,292	209.82	8,264	6,463
209.31	7,789	2,370	209.83	8,273	6,546
209.32	7,799	2,448	209.84	8,282	6,629
209.33	7,808	2,526	209.85	8,291	6,712
209.34	7,817	2,604	209.86	8,301	6,795
209.35	7,826	2,682	209.87	8,310	6,878
209.36	7,836	2,761	209.88	8,319	6,961
209.37	7,845	2,839	209.89	8,329	7,044
209.38	7,854	2,918	209.90	8,338	7,128
209.39	7,864	2,996	209.91	8,347	7,211
209.40	7,873	3,075	209.92	8,357	7,294
209.41	7,882	3,154	209.93	8,366	7,378
209.42	7,892	3,232	209.94	8,375	7,462
209.43	7,901	3,311	209.95	8,384	7,546
209.44	7,910	3,390	209.96	8,394	7,630
209.45	7,919	3,470	209.97	8,403	7,713
209.46	7,929	3,549	209.98	8,412	7,798
209.47	7,938	3,628	209.99	8,422	7,882
209.48	7,947	3,708	210.00	8,431	7,966
209.49	7,957	3,787	210.01	8,441	8,050
209.50	7,966	3,867	210.02	8,450	8,135
209.51	7,975	3,946	210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 1.90" for Current 2 yr event
Inflow = 3.77 cfs @ 12.09 hrs, Volume= 0.246 af
Outflow = 0.10 cfs @ 16.16 hrs, Volume= 0.158 af, Atten= 97%, Lag= 244.0 min
Primary = 0.10 cfs @ 16.16 hrs, Volume= 0.158 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 213.70' @ 16.16 hrs Surf.Area= 11,874 sf Storage= 7,639 cf

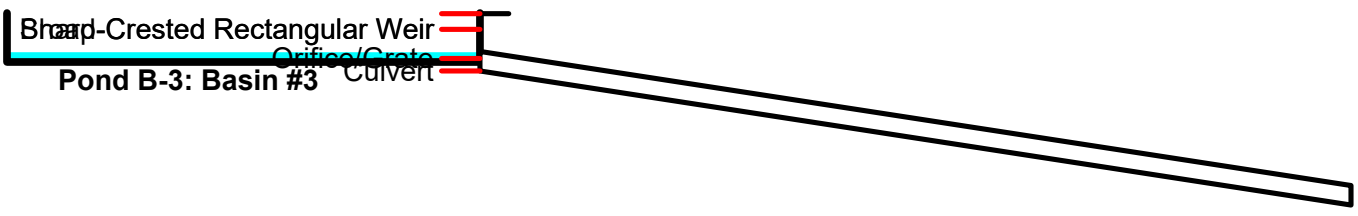
Plug-Flow detention time= 717.5 min calculated for 0.158 af (64% of inflow)
Center-of-Mass det. time= 606.9 min (1,400.0 - 793.1)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

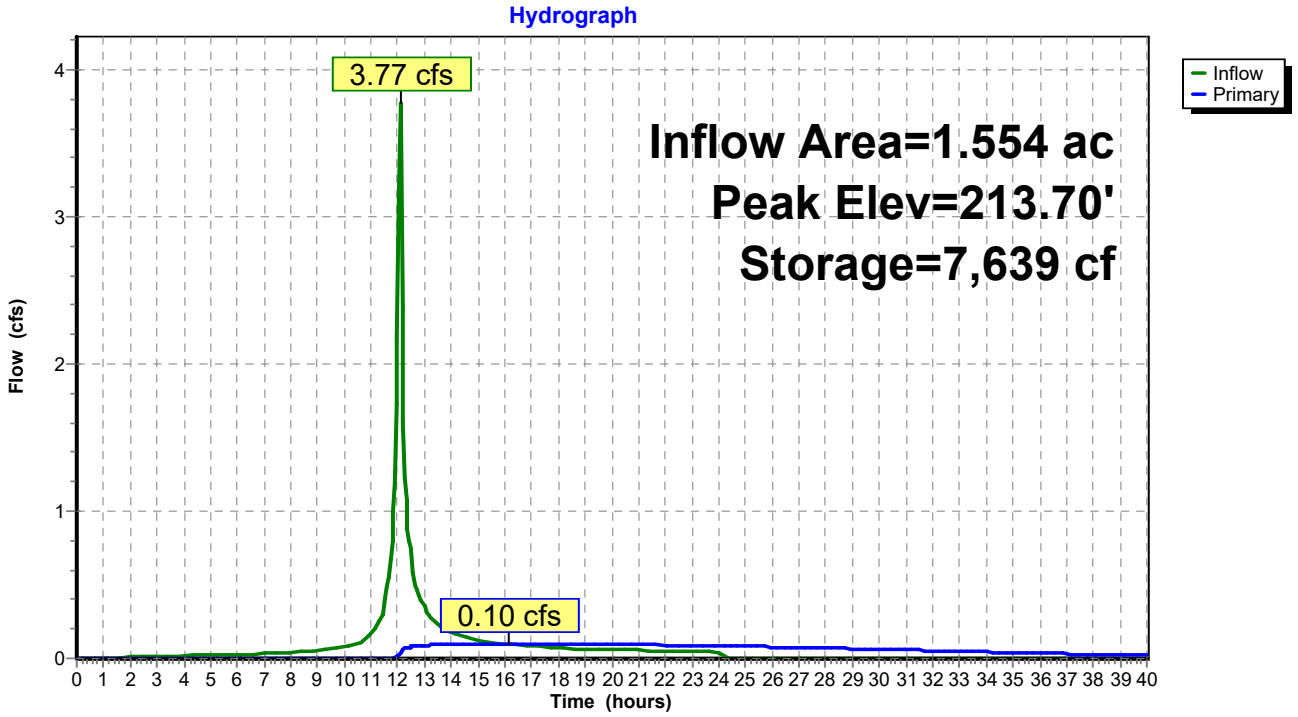
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.10 cfs @ 16.16 hrs HW=213.70' (Free Discharge)
- **1=Culvert** (Passes 0.10 cfs of 6.91 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.10 cfs @ 2.83 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	0.00
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.00	0	213.00	0.00
0.50	0.00	0	213.00	0.00
0.60	0.00	0	213.00	0.00
0.70	0.00	0	213.00	0.00
0.80	0.00	0	213.00	0.00
0.90	0.00	0	213.00	0.00
1.00	0.00	0	213.00	0.00
1.10	0.00	0	213.00	0.00
1.20	0.00	0	213.00	0.00
1.30	0.00	0	213.00	0.00
1.40	0.00	1	213.00	0.00
1.50	0.00	2	213.00	0.00
1.60	0.00	3	213.00	0.00
1.70	0.00	4	213.00	0.00
1.80	0.00	6	213.00	0.00
1.90	0.01	8	213.00	0.00
2.00	0.01	10	213.00	0.00
2.10	0.01	12	213.00	0.00
2.20	0.01	15	213.00	0.00
2.30	0.01	17	213.00	0.00
2.40	0.01	20	213.00	0.00
2.50	0.01	24	213.00	0.00
2.60	0.01	27	213.00	0.00
2.70	0.01	31	213.00	0.00
2.80	0.01	35	213.00	0.00
2.90	0.01	39	213.00	0.00
3.00	0.01	43	213.00	0.00
3.10	0.01	48	213.00	0.00
3.20	0.01	52	213.01	0.00
3.30	0.01	57	213.01	0.00
3.40	0.01	62	213.01	0.00
3.50	0.01	68	213.01	0.00
3.60	0.02	73	213.01	0.00
3.70	0.02	79	213.01	0.00
3.80	0.02	84	213.01	0.00
3.90	0.02	90	213.01	0.00
4.00	0.02	96	213.01	0.00
4.10	0.02	103	213.01	0.00
4.20	0.02	109	213.01	0.00
4.30	0.02	116	213.01	0.00
4.40	0.02	122	213.01	0.00
4.50	0.02	129	213.01	0.00
4.60	0.02	136	213.01	0.00
4.70	0.02	143	213.01	0.00
4.80	0.02	151	213.02	0.00
4.90	0.02	158	213.02	0.00
5.00	0.02	166	213.02	0.00
5.10	0.02	174	213.02	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	181	213.02	0.00
5.30	0.02	189	213.02	0.00
5.40	0.02	198	213.02	0.00
5.50	0.02	206	213.02	0.00
5.60	0.02	214	213.02	0.00
5.70	0.02	223	213.02	0.00
5.80	0.02	231	213.02	0.00
5.90	0.02	240	213.02	0.00
6.00	0.02	249	213.02	0.00
6.10	0.03	258	213.03	0.00
6.20	0.03	268	213.03	0.00
6.30	0.03	277	213.03	0.00
6.40	0.03	287	213.03	0.00
6.50	0.03	298	213.03	0.00
6.60	0.03	308	213.03	0.00
6.70	0.03	319	213.03	0.00
6.80	0.03	330	213.03	0.00
6.90	0.03	342	213.03	0.00
7.00	0.03	354	213.04	0.00
7.10	0.03	366	213.04	0.00
7.20	0.03	378	213.04	0.00
7.30	0.04	391	213.04	0.00
7.40	0.04	404	213.04	0.00
7.50	0.04	417	213.04	0.00
7.60	0.04	431	213.04	0.00
7.70	0.04	445	213.04	0.00
7.80	0.04	459	213.05	0.00
7.90	0.04	474	213.05	0.00
8.00	0.04	489	213.05	0.00
8.10	0.04	504	213.05	0.00
8.20	0.04	520	213.05	0.00
8.30	0.04	535	213.05	0.00
8.40	0.05	552	213.05	0.00
8.50	0.05	568	213.06	0.00
8.60	0.05	585	213.06	0.00
8.70	0.05	602	213.06	0.00
8.80	0.05	620	213.06	0.00
8.90	0.05	637	213.06	0.00
9.00	0.05	655	213.06	0.00
9.10	0.05	674	213.07	0.00
9.20	0.06	694	213.07	0.00
9.30	0.06	715	213.07	0.00
9.40	0.06	737	213.07	0.00
9.50	0.07	759	213.08	0.00
9.60	0.07	783	213.08	0.00
9.70	0.07	809	213.08	0.00
9.80	0.07	835	213.08	0.00
9.90	0.08	862	213.09	0.00
10.00	0.08	890	213.09	0.00
10.10	0.08	920	213.09	0.00
10.20	0.09	950	213.09	0.00
10.30	0.09	982	213.10	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.09	1,014	213.10	0.00
10.50	0.10	1,048	213.10	0.00
10.60	0.11	1,084	213.11	0.00
10.70	0.12	1,125	213.11	0.00
10.80	0.13	1,171	213.12	0.00
10.90	0.15	1,221	213.12	0.00
11.00	0.16	1,278	213.13	0.00
11.10	0.19	1,342	213.13	0.00
11.20	0.22	1,416	213.14	0.00
11.30	0.25	1,501	213.15	0.00
11.40	0.28	1,597	213.16	0.00
11.50	0.32	1,705	213.17	0.00
11.60	0.49	1,852	213.18	0.00
11.70	0.56	2,041	213.20	0.00
11.80	0.79	2,285	213.22	0.00
11.90	1.19	2,642	213.26	0.00
12.00	2.19	3,256	213.31	0.01
12.10	**3.73**	4,360	213.41	0.04
12.20	1.60	5,248	213.49	0.06
12.30	1.07	5,686	213.53	0.07
12.40	0.80	5,988	213.56	0.07
12.50	0.74	6,238	213.58	0.08
12.60	0.51	6,426	213.60	0.08
12.70	0.46	6,569	213.61	0.08
12.80	0.42	6,697	213.62	0.08
12.90	0.39	6,811	213.63	0.09
13.00	0.35	6,911	213.64	0.09
13.10	0.31	6,995	213.64	0.09
13.20	0.28	7,069	213.65	0.09
13.30	0.26	7,135	213.66	0.09
13.40	0.24	7,192	213.66	0.09
13.50	0.22	7,242	213.67	0.09
13.60	0.20	7,283	213.67	0.09
13.70	0.19	7,320	213.67	0.09
13.80	0.19	7,355	213.67	0.09
13.90	0.18	7,387	213.68	0.09
14.00	0.18	7,418	213.68	0.09
14.10	0.17	7,446	213.68	0.09
14.20	0.16	7,472	213.68	0.09
14.30	0.16	7,496	213.69	0.09
14.40	0.15	7,518	213.69	0.09
14.50	0.15	7,537	213.69	0.10
14.60	0.14	7,555	213.69	0.10
14.70	0.14	7,570	213.69	0.10
14.80	0.13	7,583	213.69	0.10
14.90	0.12	7,594	213.69	0.10
15.00	0.12	7,603	213.70	0.10
15.10	0.11	7,610	213.70	0.10
15.20	0.11	7,615	213.70	0.10
15.30	0.11	7,620	213.70	0.10
15.40	0.11	7,625	213.70	0.10
15.50	0.11	7,628	213.70	0.10

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	7,632	213.70	0.10
15.70	0.10	7,634	213.70	0.10
15.80	0.10	7,637	213.70	0.10
15.90	0.10	7,638	213.70	0.10
16.00	0.10	7,639	213.70	0.10
16.10	0.10	**7,640**	**213.70**	**0.10**
16.20	0.10	**7,640**	**213.70**	**0.10**
16.30	0.09	7,639	213.70	0.10
16.40	0.09	7,638	213.70	0.10
16.50	0.09	7,636	213.70	0.10
16.60	0.09	7,634	213.70	0.10
16.70	0.09	7,631	213.70	0.10
16.80	0.09	7,628	213.70	0.10
16.90	0.08	7,624	213.70	0.10
17.00	0.08	7,620	213.70	0.10
17.10	0.08	7,615	213.70	0.10
17.20	0.08	7,610	213.70	0.10
17.30	0.08	7,603	213.70	0.10
17.40	0.08	7,597	213.70	0.10
17.50	0.08	7,590	213.69	0.10
17.60	0.07	7,582	213.69	0.10
17.70	0.07	7,574	213.69	0.10
17.80	0.07	7,565	213.69	0.10
17.90	0.07	7,556	213.69	0.10
18.00	0.07	7,546	213.69	0.10
18.10	0.07	7,536	213.69	0.10
18.20	0.07	7,526	213.69	0.09
18.30	0.07	7,515	213.69	0.09
18.40	0.06	7,504	213.69	0.09
18.50	0.06	7,493	213.69	0.09
18.60	0.06	7,482	213.69	0.09
18.70	0.06	7,471	213.68	0.09
18.80	0.06	7,460	213.68	0.09
18.90	0.06	7,449	213.68	0.09
19.00	0.06	7,438	213.68	0.09
19.10	0.06	7,426	213.68	0.09
19.20	0.06	7,415	213.68	0.09
19.30	0.06	7,403	213.68	0.09
19.40	0.06	7,392	213.68	0.09
19.50	0.06	7,380	213.68	0.09
19.60	0.06	7,368	213.68	0.09
19.70	0.06	7,356	213.67	0.09
19.80	0.06	7,344	213.67	0.09
19.90	0.06	7,332	213.67	0.09
20.00	0.06	7,320	213.67	0.09
20.10	0.06	7,308	213.67	0.09
20.20	0.06	7,296	213.67	0.09
20.30	0.06	7,283	213.67	0.09
20.40	0.06	7,271	213.67	0.09
20.50	0.06	7,258	213.67	0.09
20.60	0.06	7,246	213.67	0.09
20.70	0.06	7,233	213.66	0.09

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	7,220	213.66	0.09
20.90	0.06	7,207	213.66	0.09
21.00	0.05	7,194	213.66	0.09
21.10	0.05	7,181	213.66	0.09
21.20	0.05	7,168	213.66	0.09
21.30	0.05	7,155	213.66	0.09
21.40	0.05	7,142	213.66	0.09
21.50	0.05	7,128	213.66	0.09
21.60	0.05	7,115	213.65	0.09
21.70	0.05	7,101	213.65	0.09
21.80	0.05	7,088	213.65	0.09
21.90	0.05	7,074	213.65	0.09
22.00	0.05	7,060	213.65	0.09
22.10	0.05	7,046	213.65	0.09
22.20	0.05	7,033	213.65	0.09
22.30	0.05	7,019	213.65	0.09
22.40	0.05	7,004	213.64	0.09
22.50	0.05	6,990	213.64	0.09
22.60	0.05	6,976	213.64	0.09
22.70	0.05	6,962	213.64	0.09
22.80	0.05	6,947	213.64	0.09
22.90	0.05	6,933	213.64	0.09
23.00	0.05	6,918	213.64	0.09
23.10	0.05	6,904	213.64	0.09
23.20	0.05	6,889	213.64	0.09
23.30	0.05	6,874	213.63	0.09
23.40	0.05	6,859	213.63	0.09
23.50	0.04	6,844	213.63	0.09
23.60	0.04	6,829	213.63	0.09
23.70	0.04	6,814	213.63	0.09
23.80	0.04	6,799	213.63	0.09
23.90	0.04	6,784	213.63	0.09
24.00	0.05	6,771	213.62	0.09
24.10	0.00	6,748	213.62	0.09
24.20	0.00	6,718	213.62	0.08
24.30	0.00	6,687	213.62	0.08
24.40	0.00	6,657	213.62	0.08
24.50	0.00	6,627	213.61	0.08
24.60	0.00	6,597	213.61	0.08
24.70	0.00	6,567	213.61	0.08
24.80	0.00	6,537	213.60	0.08
24.90	0.00	6,508	213.60	0.08
25.00	0.00	6,479	213.60	0.08
25.10	0.00	6,449	213.60	0.08
25.20	0.00	6,420	213.59	0.08
25.30	0.00	6,391	213.59	0.08
25.40	0.00	6,363	213.59	0.08
25.50	0.00	6,334	213.59	0.08
25.60	0.00	6,306	213.58	0.08
25.70	0.00	6,277	213.58	0.08
25.80	0.00	6,249	213.58	0.08
25.90	0.00	6,221	213.58	0.08

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,193	213.58	0.08
26.10	0.00	6,166	213.57	0.08
26.20	0.00	6,138	213.57	0.08
26.30	0.00	6,111	213.57	0.08
26.40	0.00	6,084	213.57	0.08
26.50	0.00	6,056	213.56	0.08
26.60	0.00	6,030	213.56	0.07
26.70	0.00	6,003	213.56	0.07
26.80	0.00	5,976	213.56	0.07
26.90	0.00	5,950	213.55	0.07
27.00	0.00	5,923	213.55	0.07
27.10	0.00	5,897	213.55	0.07
27.20	0.00	5,871	213.55	0.07
27.30	0.00	5,845	213.54	0.07
27.40	0.00	5,820	213.54	0.07
27.50	0.00	5,794	213.54	0.07
27.60	0.00	5,769	213.54	0.07
27.70	0.00	5,743	213.54	0.07
27.80	0.00	5,718	213.53	0.07
27.90	0.00	5,693	213.53	0.07
28.00	0.00	5,669	213.53	0.07
28.10	0.00	5,644	213.53	0.07
28.20	0.00	5,619	213.53	0.07
28.30	0.00	5,595	213.52	0.07
28.40	0.00	5,571	213.52	0.07
28.50	0.00	5,547	213.52	0.07
28.60	0.00	5,523	213.52	0.07
28.70	0.00	5,499	213.51	0.07
28.80	0.00	5,476	213.51	0.07
28.90	0.00	5,452	213.51	0.06
29.00	0.00	5,429	213.51	0.06
29.10	0.00	5,406	213.51	0.06
29.20	0.00	5,383	213.50	0.06
29.30	0.00	5,360	213.50	0.06
29.40	0.00	5,338	213.50	0.06
29.50	0.00	5,315	213.50	0.06
29.60	0.00	5,293	213.50	0.06
29.70	0.00	5,271	213.49	0.06
29.80	0.00	5,249	213.49	0.06
29.90	0.00	5,227	213.49	0.06
30.00	0.00	5,205	213.49	0.06
30.10	0.00	5,183	213.49	0.06
30.20	0.00	5,162	213.48	0.06
30.30	0.00	5,141	213.48	0.06
30.40	0.00	5,119	213.48	0.06
30.50	0.00	5,099	213.48	0.06
30.60	0.00	5,078	213.48	0.06
30.70	0.00	5,057	213.48	0.06
30.80	0.00	5,037	213.47	0.06
30.90	0.00	5,016	213.47	0.06
31.00	0.00	4,996	213.47	0.06
31.10	0.00	4,976	213.47	0.06

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,956	213.47	0.06
31.30	0.00	4,936	213.46	0.05
31.40	0.00	4,917	213.46	0.05
31.50	0.00	4,897	213.46	0.05
31.60	0.00	4,878	213.46	0.05
31.70	0.00	4,859	213.46	0.05
31.80	0.00	4,840	213.46	0.05
31.90	0.00	4,821	213.45	0.05
32.00	0.00	4,802	213.45	0.05
32.10	0.00	4,783	213.45	0.05
32.20	0.00	4,765	213.45	0.05
32.30	0.00	4,747	213.45	0.05
32.40	0.00	4,729	213.45	0.05
32.50	0.00	4,711	213.44	0.05
32.60	0.00	4,693	213.44	0.05
32.70	0.00	4,675	213.44	0.05
32.80	0.00	4,658	213.44	0.05
32.90	0.00	4,641	213.44	0.05
33.00	0.00	4,624	213.44	0.05
33.10	0.00	4,607	213.44	0.05
33.20	0.00	4,590	213.43	0.05
33.30	0.00	4,574	213.43	0.05
33.40	0.00	4,557	213.43	0.05
33.50	0.00	4,541	213.43	0.04
33.60	0.00	4,525	213.43	0.04
33.70	0.00	4,510	213.43	0.04
33.80	0.00	4,494	213.43	0.04
33.90	0.00	4,478	213.42	0.04
34.00	0.00	4,463	213.42	0.04
34.10	0.00	4,448	213.42	0.04
34.20	0.00	4,433	213.42	0.04
34.30	0.00	4,418	213.42	0.04
34.40	0.00	4,403	213.42	0.04
34.50	0.00	4,389	213.42	0.04
34.60	0.00	4,374	213.41	0.04
34.70	0.00	4,360	213.41	0.04
34.80	0.00	4,346	213.41	0.04
34.90	0.00	4,332	213.41	0.04
35.00	0.00	4,318	213.41	0.04
35.10	0.00	4,304	213.41	0.04
35.20	0.00	4,291	213.41	0.04
35.30	0.00	4,278	213.41	0.04
35.40	0.00	4,265	213.40	0.04
35.50	0.00	4,252	213.40	0.04
35.60	0.00	4,239	213.40	0.04
35.70	0.00	4,226	213.40	0.04
35.80	0.00	4,213	213.40	0.03
35.90	0.00	4,201	213.40	0.03
36.00	0.00	4,189	213.40	0.03
36.10	0.00	4,177	213.40	0.03
36.20	0.00	4,165	213.40	0.03
36.30	0.00	4,153	213.39	0.03

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,141	213.39	0.03
36.50	0.00	4,129	213.39	0.03
36.60	0.00	4,118	213.39	0.03
36.70	0.00	4,107	213.39	0.03
36.80	0.00	4,095	213.39	0.03
36.90	0.00	4,084	213.39	0.03
37.00	0.00	4,074	213.39	0.03
37.10	0.00	4,063	213.39	0.03
37.20	0.00	4,052	213.39	0.03
37.30	0.00	4,042	213.38	0.03
37.40	0.00	4,031	213.38	0.03
37.50	0.00	4,021	213.38	0.03
37.60	0.00	4,011	213.38	0.03
37.70	0.00	4,001	213.38	0.03
37.80	0.00	3,991	213.38	0.03
37.90	0.00	3,981	213.38	0.03
38.00	0.00	3,971	213.38	0.03
38.10	0.00	3,961	213.38	0.03
38.20	0.00	3,952	213.38	0.03
38.30	0.00	3,943	213.38	0.03
38.40	0.00	3,933	213.37	0.03
38.50	0.00	3,924	213.37	0.03
38.60	0.00	3,915	213.37	0.03
38.70	0.00	3,906	213.37	0.02
38.80	0.00	3,897	213.37	0.02
38.90	0.00	3,888	213.37	0.02
39.00	0.00	3,880	213.37	0.02
39.10	0.00	3,871	213.37	0.02
39.20	0.00	3,863	213.37	0.02
39.30	0.00	3,854	213.37	0.02
39.40	0.00	3,846	213.37	0.02
39.50	0.00	3,838	213.37	0.02
39.60	0.00	3,829	213.37	0.02
39.70	0.00	3,821	213.36	0.02
39.80	0.00	3,813	213.36	0.02
39.90	0.00	3,805	213.36	0.02
40.00	0.00	3,798	213.36	0.02

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848	214.56	14,225	18,873
214.05	12,823	11,976	214.57	14,252	19,016
214.06	12,850	12,105	214.58	14,280	19,158
214.07	12,877	12,233	214.59	14,308	19,301
214.08	12,905	12,362	214.60	14,335	19,444
214.09	12,933	12,491	214.61	14,363	19,588
214.10	12,960	12,621	214.62	14,390	19,732
214.11	12,988	12,750	214.63	14,417	19,876
214.12	13,015	12,881	214.64	14,445	20,020
214.13	13,042	13,011	214.65	14,473	20,165
214.14	13,070	13,141	214.66	14,500	20,310
214.15	13,098	13,272	214.67	14,527	20,455
214.16	13,125	13,403	214.68	14,555	20,600
214.17	13,152	13,535	214.69	14,582	20,746
214.18	13,180	13,666	214.70	14,610	20,892
214.19	13,207	13,798	214.71	14,638	21,038
214.20	13,235	13,930	214.72	14,665	21,184
214.21	13,263	14,063	214.73	14,692	21,331
214.22	13,290	14,196	214.74	14,720	21,478
214.23	13,317	14,329	214.75	14,748	21,626
214.24	13,345	14,462	214.76	14,775	21,773
214.25	13,373	14,596	214.77	14,803	21,921
214.26	13,400	14,730	214.78	14,830	22,069
214.27	13,428	14,864	214.79	14,857	22,218
214.28	13,455	14,998	214.80	14,885	22,367
214.29	13,482	15,133	214.81	14,913	22,515
214.30	13,510	15,268	214.82	14,940	22,665
214.31	13,538	15,403	214.83	14,968	22,814
214.32	13,565	15,538	214.84	14,995	22,964
214.33	13,593	15,674	214.85	15,022	23,114
214.34	13,620	15,810	214.86	15,050	23,265
214.35	13,647	15,947	214.87	15,078	23,415
214.36	13,675	16,083	214.88	15,105	23,566
214.37	13,703	16,220	214.89	15,132	23,717
214.38	13,730	16,357	214.90	15,160	23,869
214.39	13,757	16,495	214.91	15,187	24,020
214.40	13,785	16,633	214.92	15,215	24,172
214.41	13,812	16,770	214.93	15,243	24,325
214.42	13,840	16,909	214.94	15,270	24,477
214.43	13,868	17,047	214.95	15,297	24,630
214.44	13,895	17,186	214.96	15,325	24,783
214.45	13,922	17,325	214.97	15,352	24,937
214.46	13,950	17,465	214.98	15,380	25,090
214.47	13,977	17,604	214.99	15,408	25,244
214.48	14,005	17,744	215.00	15,435	25,399
214.49	14,033	17,884	215.01	15,463	25,553
214.50	14,060	18,025	215.02	15,491	25,708
214.51	14,087	18,165	215.03	15,519	25,863
214.52	14,115	18,307	215.04	15,547	26,018
214.53	14,143	18,448	215.05	15,575	26,174
214.54	14,170	18,589	215.06	15,603	26,330
214.55	14,198	18,731	215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642	215.60	17,119	35,165
215.09	15,688	26,799	215.61	17,147	35,336
215.10	15,716	26,956	215.62	17,175	35,508
215.11	15,744	27,113	215.63	17,203	35,679
215.12	15,772	27,271	215.64	17,231	35,852
215.13	15,800	27,429	215.65	17,259	36,024
215.14	15,828	27,587	215.66	17,287	36,197
215.15	15,856	27,745	215.67	17,315	36,370
215.16	15,884	27,904	215.68	17,343	36,543
215.17	15,912	28,063	215.69	17,371	36,717
215.18	15,940	28,222	215.70	17,399	36,890
215.19	15,968	28,382	215.71	17,427	37,065
215.20	15,996	28,542	215.72	17,455	37,239
215.21	16,024	28,702	215.73	17,483	37,414
215.22	16,052	28,862	215.74	17,511	37,589
215.23	16,080	29,023	215.75	17,540	37,764
215.24	16,108	29,184	215.76	17,568	37,939
215.25	16,137	29,345	215.77	17,596	38,115
215.26	16,165	29,506	215.78	17,624	38,291
215.27	16,193	29,668	215.79	17,652	38,468
215.28	16,221	29,830	215.80	17,680	38,644
215.29	16,249	29,993	215.81	17,708	38,821
215.30	16,277	30,155	215.82	17,736	38,999
215.31	16,305	30,318	215.83	17,764	39,176
215.32	16,333	30,481	215.84	17,792	39,354
215.33	16,361	30,645	215.85	17,820	39,532
215.34	16,389	30,809	215.86	17,848	39,710
215.35	16,417	30,973	215.87	17,876	39,889
215.36	16,445	31,137	215.88	17,904	40,068
215.37	16,473	31,302	215.89	17,932	40,247
215.38	16,501	31,466	215.90	17,960	40,426
215.39	16,529	31,632	215.91	17,988	40,606
215.40	16,557	31,797	215.92	18,017	40,786
215.41	16,585	31,963	215.93	18,045	40,967
215.42	16,614	32,129	215.94	18,073	41,147
215.43	16,642	32,295	215.95	18,101	41,328
215.44	16,670	32,462	215.96	18,129	41,509
215.45	16,698	32,628	215.97	18,157	41,691
215.46	16,726	32,795	215.98	18,185	41,872
215.47	16,754	32,963	215.99	18,213	42,054
215.48	16,782	33,131	216.00	18,241	42,237
215.49	16,810	33,299	216.01	18,279	42,419
215.50	16,838	33,467	216.02	18,317	42,602
215.51	16,866	33,635	216.03	18,356	42,785
215.52	16,894	33,804	216.04	18,394	42,969
215.53	16,922	33,973	216.05	18,432	43,153
215.54	16,950	34,143	216.06	18,470	43,338
215.55	16,978	34,312	216.07	18,508	43,523
215.56	17,006	34,482	216.08	18,546	43,708
215.57	17,034	34,652	216.09	18,585	43,894
215.58	17,062	34,823	216.10	18,623	44,080
215.59	17,091	34,994	216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 1.87" for Current 2 yr event
Inflow = 5.37 cfs @ 12.10 hrs, Volume= 0.363 af
Outflow = 3.13 cfs @ 12.20 hrs, Volume= 0.280 af, Atten= 42%, Lag= 5.7 min
Primary = 3.13 cfs @ 12.20 hrs, Volume= 0.280 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.32' @ 12.20 hrs Surf.Area= 5,008 sf Storage= 5,889 cf

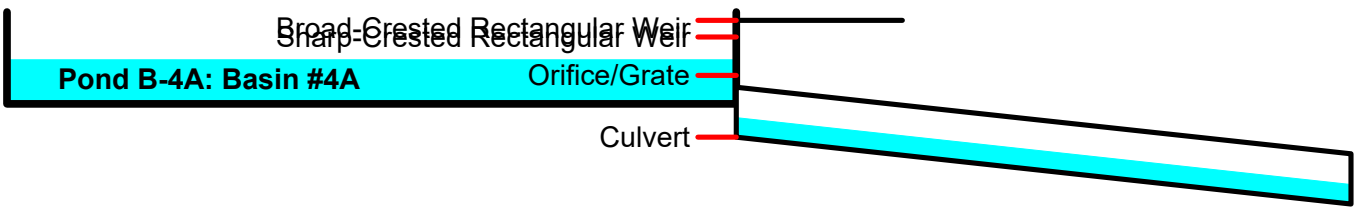
Plug-Flow detention time= 173.4 min calculated for 0.279 af (77% of inflow)
Center-of-Mass det. time= 83.1 min (878.9 - 795.8)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

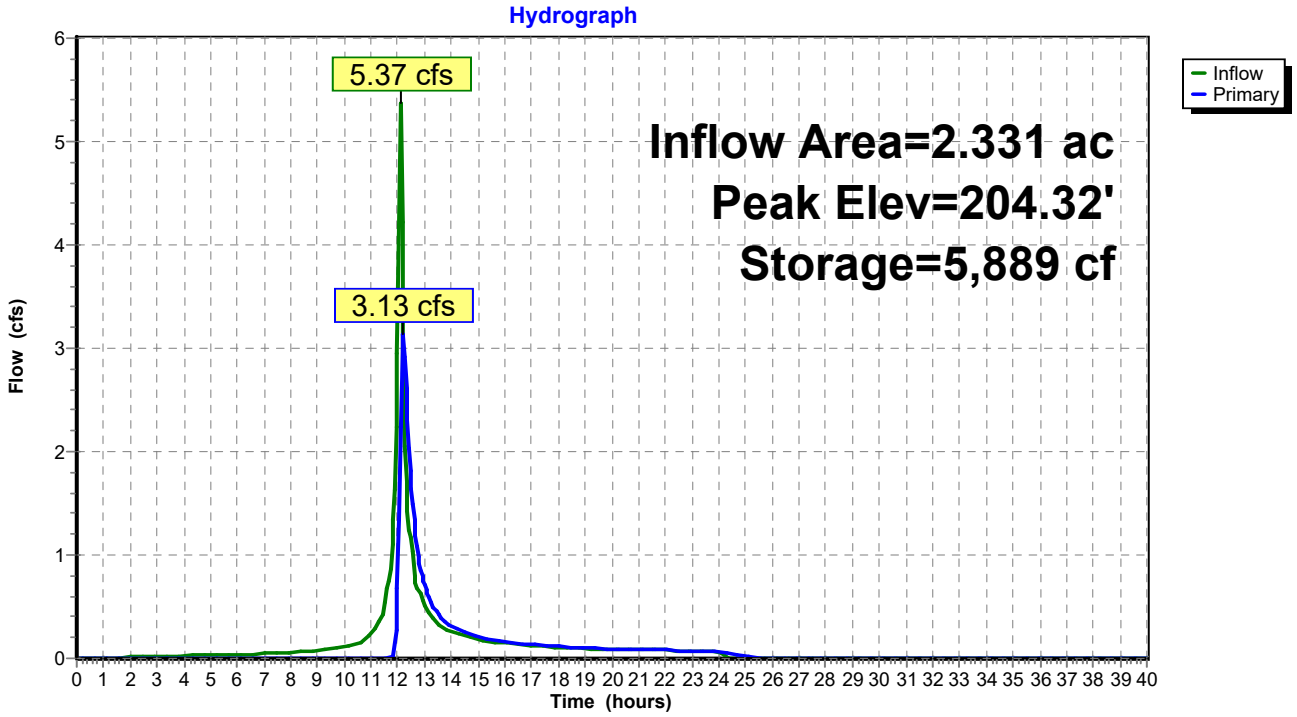
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=3.12 cfs @ 12.20 hrs HW=204.32' (Free Discharge)
- **1=Culvert** (Passes 3.12 cfs of 8.00 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 3.12 cfs @ 2.20 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	0	203.00	0.00
1.10	0.00	0	203.00	0.00
1.20	0.00	0	203.00	0.00
1.30	0.00	0	203.00	0.00
1.40	0.00	1	203.00	0.00
1.50	0.00	2	203.00	0.00
1.60	0.00	4	203.00	0.00
1.70	0.01	5	203.00	0.00
1.80	0.01	8	203.00	0.00
1.90	0.01	10	203.00	0.00
2.00	0.01	13	203.00	0.00
2.10	0.01	17	203.00	0.00
2.20	0.01	20	203.01	0.00
2.30	0.01	24	203.01	0.00
2.40	0.01	29	203.01	0.00
2.50	0.01	33	203.01	0.00
2.60	0.01	38	203.01	0.00
2.70	0.02	43	203.01	0.00
2.80	0.02	49	203.01	0.00
2.90	0.02	55	203.01	0.00
3.00	0.02	61	203.02	0.00
3.10	0.02	68	203.02	0.00
3.20	0.02	74	203.02	0.00
3.30	0.02	81	203.02	0.00
3.40	0.02	88	203.02	0.00
3.50	0.02	96	203.02	0.00
3.60	0.02	104	203.03	0.00
3.70	0.02	112	203.03	0.00
3.80	0.02	120	203.03	0.00
3.90	0.02	128	203.03	0.00
4.00	0.02	137	203.03	0.00
4.10	0.03	146	203.04	0.00
4.20	0.03	155	203.04	0.00
4.30	0.03	165	203.04	0.00
4.40	0.03	174	203.04	0.00
4.50	0.03	184	203.05	0.00
4.60	0.03	194	203.05	0.00
4.70	0.03	205	203.05	0.00
4.80	0.03	215	203.05	0.00
4.90	0.03	226	203.06	0.00
5.00	0.03	237	203.06	0.00
5.10	0.03	248	203.06	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	259	203.07	0.00
5.30	0.03	271	203.07	0.00
5.40	0.03	283	203.07	0.00
5.50	0.03	294	203.07	0.00
5.60	0.03	307	203.08	0.00
5.70	0.03	319	203.08	0.00
5.80	0.03	331	203.08	0.00
5.90	0.04	344	203.09	0.00
6.00	0.04	357	203.09	0.00
6.10	0.04	370	203.09	0.00
6.20	0.04	383	203.10	0.00
6.30	0.04	397	203.10	0.00
6.40	0.04	411	203.10	0.00
6.50	0.04	426	203.11	0.00
6.60	0.04	441	203.11	0.00
6.70	0.04	457	203.12	0.00
6.80	0.05	473	203.12	0.00
6.90	0.05	490	203.12	0.00
7.00	0.05	506	203.13	0.00
7.10	0.05	524	203.13	0.00
7.20	0.05	542	203.14	0.00
7.30	0.05	560	203.14	0.00
7.40	0.05	579	203.15	0.00
7.50	0.05	598	203.15	0.00
7.60	0.06	618	203.16	0.00
7.70	0.06	638	203.16	0.00
7.80	0.06	658	203.17	0.00
7.90	0.06	679	203.17	0.00
8.00	0.06	701	203.18	0.00
8.10	0.06	722	203.18	0.00
8.20	0.06	745	203.19	0.00
8.30	0.06	768	203.19	0.00
8.40	0.07	791	203.20	0.00
8.50	0.07	815	203.20	0.00
8.60	0.07	839	203.21	0.00
8.70	0.07	863	203.22	0.00
8.80	0.07	889	203.22	0.00
8.90	0.07	914	203.23	0.00
9.00	0.07	940	203.23	0.00
9.10	0.08	967	203.24	0.00
9.20	0.08	995	203.25	0.00
9.30	0.08	1,025	203.26	0.00
9.40	0.09	1,056	203.26	0.00
9.50	0.09	1,089	203.27	0.00
9.60	0.10	1,123	203.28	0.00
9.70	0.10	1,159	203.29	0.00
9.80	0.11	1,196	203.30	0.00
9.90	0.11	1,235	203.31	0.00
10.00	0.11	1,276	203.32	0.00
10.10	0.12	1,318	203.33	0.00
10.20	0.12	1,361	203.34	0.00
10.30	0.13	1,407	203.35	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,453	203.36	0.00
10.50	0.14	1,502	203.37	0.00
10.60	0.15	1,553	203.38	0.00
10.70	0.17	1,610	203.40	0.00
10.80	0.19	1,675	203.41	0.00
10.90	0.21	1,747	203.43	0.00
11.00	0.23	1,827	203.45	0.00
11.10	0.27	1,917	203.47	0.00
11.20	0.31	2,022	203.49	0.00
11.30	0.36	2,142	203.52	0.00
11.40	0.41	2,279	203.55	0.00
11.50	0.45	2,433	203.59	0.00
11.60	0.68	2,632	203.63	0.00
11.70	0.80	2,899	203.69	0.00
11.80	1.10	3,236	203.77	0.00
11.90	1.62	3,719	203.87	0.04
12.00	2.94	4,420	204.02	0.68
12.10	**5.37**	5,417	204.23	2.24
12.20	2.76	**5,888**	**204.32**	**3.13**
12.30	1.70	5,618	204.27	2.61
12.40	1.24	5,306	204.21	2.04
12.50	1.13	5,070	204.16	1.64
12.60	0.79	4,879	204.12	1.33
12.70	0.70	4,711	204.08	1.08
12.80	0.64	4,593	204.06	0.91
12.90	0.58	4,505	204.04	0.80
13.00	0.52	4,434	204.02	0.70
13.10	0.46	4,372	204.01	0.63
13.20	0.43	4,319	204.00	0.56
13.30	0.40	4,275	203.99	0.51
13.40	0.36	4,236	203.98	0.47
13.50	0.33	4,200	203.97	0.43
13.60	0.30	4,166	203.97	0.39
13.70	0.29	4,137	203.96	0.36
13.80	0.28	4,113	203.96	0.34
13.90	0.27	4,095	203.95	0.32
14.00	0.26	4,079	203.95	0.30
14.10	0.25	4,065	203.95	0.29
14.20	0.25	4,053	203.94	0.28
14.30	0.24	4,042	203.94	0.27
14.40	0.23	4,031	203.94	0.26
14.50	0.22	4,021	203.94	0.25
14.60	0.21	4,012	203.93	0.24
14.70	0.20	4,002	203.93	0.23
14.80	0.19	3,992	203.93	0.22
14.90	0.19	3,982	203.93	0.21
15.00	0.18	3,972	203.93	0.21
15.10	0.17	3,962	203.92	0.20
15.20	0.17	3,952	203.92	0.19
15.30	0.16	3,945	203.92	0.18
15.40	0.16	3,938	203.92	0.18
15.50	0.16	3,933	203.92	0.17

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	3,928	203.92	0.17
15.70	0.15	3,924	203.92	0.17
15.80	0.15	3,920	203.92	0.16
15.90	0.15	3,916	203.91	0.16
16.00	0.15	3,913	203.91	0.16
16.10	0.15	3,910	203.91	0.15
16.20	0.14	3,907	203.91	0.15
16.30	0.14	3,904	203.91	0.15
16.40	0.14	3,901	203.91	0.15
16.50	0.14	3,898	203.91	0.14
16.60	0.13	3,895	203.91	0.14
16.70	0.13	3,892	203.91	0.14
16.80	0.13	3,889	203.91	0.14
16.90	0.13	3,886	203.91	0.13
17.00	0.12	3,884	203.91	0.13
17.10	0.12	3,881	203.91	0.13
17.20	0.12	3,878	203.91	0.13
17.30	0.12	3,874	203.91	0.13
17.40	0.12	3,871	203.90	0.12
17.50	0.11	3,868	203.90	0.12
17.60	0.11	3,864	203.90	0.12
17.70	0.11	3,861	203.90	0.12
17.80	0.11	3,858	203.90	0.12
17.90	0.10	3,854	203.90	0.11
18.00	0.10	3,851	203.90	0.11
18.10	0.10	3,847	203.90	0.11
18.20	0.10	3,844	203.90	0.11
18.30	0.10	3,841	203.90	0.10
18.40	0.10	3,838	203.90	0.10
18.50	0.10	3,836	203.90	0.10
18.60	0.10	3,834	203.90	0.10
18.70	0.09	3,833	203.90	0.10
18.80	0.09	3,831	203.90	0.10
18.90	0.09	3,830	203.90	0.10
19.00	0.09	3,829	203.90	0.10
19.10	0.09	3,828	203.90	0.10
19.20	0.09	3,826	203.89	0.10
19.30	0.09	3,825	203.89	0.09
19.40	0.09	3,824	203.89	0.09
19.50	0.09	3,823	203.89	0.09
19.60	0.09	3,822	203.89	0.09
19.70	0.09	3,821	203.89	0.09
19.80	0.09	3,821	203.89	0.09
19.90	0.09	3,820	203.89	0.09
20.00	0.09	3,819	203.89	0.09
20.10	0.09	3,818	203.89	0.09
20.20	0.09	3,817	203.89	0.09
20.30	0.09	3,816	203.89	0.09
20.40	0.09	3,815	203.89	0.09
20.50	0.08	3,814	203.89	0.09
20.60	0.08	3,813	203.89	0.09
20.70	0.08	3,812	203.89	0.09

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	3,812	203.89	0.09
20.90	0.08	3,811	203.89	0.08
21.00	0.08	3,810	203.89	0.08
21.10	0.08	3,809	203.89	0.08
21.20	0.08	3,808	203.89	0.08
21.30	0.08	3,807	203.89	0.08
21.40	0.08	3,806	203.89	0.08
21.50	0.08	3,805	203.89	0.08
21.60	0.08	3,804	203.89	0.08
21.70	0.08	3,803	203.89	0.08
21.80	0.08	3,803	203.89	0.08
21.90	0.08	3,802	203.89	0.08
22.00	0.08	3,801	203.89	0.08
22.10	0.08	3,800	203.89	0.08
22.20	0.08	3,799	203.89	0.08
22.30	0.07	3,798	203.89	0.08
22.40	0.07	3,797	203.89	0.08
22.50	0.07	3,796	203.89	0.08
22.60	0.07	3,795	203.89	0.07
22.70	0.07	3,794	203.89	0.07
22.80	0.07	3,793	203.89	0.07
22.90	0.07	3,792	203.89	0.07
23.00	0.07	3,792	203.89	0.07
23.10	0.07	3,791	203.89	0.07
23.20	0.07	3,790	203.89	0.07
23.30	0.07	3,789	203.89	0.07
23.40	0.07	3,788	203.89	0.07
23.50	0.07	3,787	203.89	0.07
23.60	0.07	3,786	203.89	0.07
23.70	0.07	3,785	203.89	0.07
23.80	0.07	3,784	203.89	0.07
23.90	0.06	3,783	203.89	0.07
24.00	0.08	3,785	203.89	0.07
24.10	0.01	3,776	203.88	0.06
24.20	0.00	3,757	203.88	0.05
24.30	0.00	3,741	203.88	0.04
24.40	0.00	3,726	203.87	0.04
24.50	0.00	3,713	203.87	0.03
24.60	0.00	3,702	203.87	0.03
24.70	0.00	3,692	203.87	0.03
24.80	0.00	3,684	203.86	0.02
24.90	0.00	3,676	203.86	0.02
25.00	0.00	3,670	203.86	0.02
25.10	0.00	3,664	203.86	0.01
25.20	0.00	3,660	203.86	0.01
25.30	0.00	3,655	203.86	0.01
25.40	0.00	3,652	203.86	0.01
25.50	0.00	3,648	203.86	0.01
25.60	0.00	3,646	203.86	0.01
25.70	0.00	3,643	203.86	0.01
25.80	0.00	3,641	203.85	0.01
25.90	0.00	3,639	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,638	203.85	0.00
26.10	0.00	3,636	203.85	0.00
26.20	0.00	3,635	203.85	0.00
26.30	0.00	3,634	203.85	0.00
26.40	0.00	3,633	203.85	0.00
26.50	0.00	3,632	203.85	0.00
26.60	0.00	3,632	203.85	0.00
26.70	0.00	3,631	203.85	0.00
26.80	0.00	3,630	203.85	0.00
26.90	0.00	3,630	203.85	0.00
27.00	0.00	3,630	203.85	0.00
27.10	0.00	3,629	203.85	0.00
27.20	0.00	3,629	203.85	0.00
27.30	0.00	3,628	203.85	0.00
27.40	0.00	3,628	203.85	0.00
27.50	0.00	3,628	203.85	0.00
27.60	0.00	3,627	203.85	0.00
27.70	0.00	3,627	203.85	0.00
27.80	0.00	3,627	203.85	0.00
27.90	0.00	3,626	203.85	0.00
28.00	0.00	3,626	203.85	0.00
28.10	0.00	3,626	203.85	0.00
28.20	0.00	3,626	203.85	0.00
28.30	0.00	3,625	203.85	0.00
28.40	0.00	3,625	203.85	0.00
28.50	0.00	3,625	203.85	0.00
28.60	0.00	3,625	203.85	0.00
28.70	0.00	3,624	203.85	0.00
28.80	0.00	3,624	203.85	0.00
28.90	0.00	3,624	203.85	0.00
29.00	0.00	3,624	203.85	0.00
29.10	0.00	3,624	203.85	0.00
29.20	0.00	3,623	203.85	0.00
29.30	0.00	3,623	203.85	0.00
29.40	0.00	3,623	203.85	0.00
29.50	0.00	3,623	203.85	0.00
29.60	0.00	3,623	203.85	0.00
29.70	0.00	3,623	203.85	0.00
29.80	0.00	3,622	203.85	0.00
29.90	0.00	3,622	203.85	0.00
30.00	0.00	3,622	203.85	0.00
30.10	0.00	3,622	203.85	0.00
30.20	0.00	3,622	203.85	0.00
30.30	0.00	3,622	203.85	0.00
30.40	0.00	3,622	203.85	0.00
30.50	0.00	3,621	203.85	0.00
30.60	0.00	3,621	203.85	0.00
30.70	0.00	3,621	203.85	0.00
30.80	0.00	3,621	203.85	0.00
30.90	0.00	3,621	203.85	0.00
31.00	0.00	3,621	203.85	0.00
31.10	0.00	3,621	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,621	203.85	0.00
31.30	0.00	3,621	203.85	0.00
31.40	0.00	3,621	203.85	0.00
31.50	0.00	3,621	203.85	0.00
31.60	0.00	3,620	203.85	0.00
31.70	0.00	3,620	203.85	0.00
31.80	0.00	3,620	203.85	0.00
31.90	0.00	3,620	203.85	0.00
32.00	0.00	3,620	203.85	0.00
32.10	0.00	3,620	203.85	0.00
32.20	0.00	3,620	203.85	0.00
32.30	0.00	3,620	203.85	0.00
32.40	0.00	3,620	203.85	0.00
32.50	0.00	3,620	203.85	0.00
32.60	0.00	3,620	203.85	0.00
32.70	0.00	3,620	203.85	0.00
32.80	0.00	3,620	203.85	0.00
32.90	0.00	3,620	203.85	0.00
33.00	0.00	3,620	203.85	0.00
33.10	0.00	3,620	203.85	0.00
33.20	0.00	3,620	203.85	0.00
33.30	0.00	3,620	203.85	0.00
33.40	0.00	3,620	203.85	0.00
33.50	0.00	3,619	203.85	0.00
33.60	0.00	3,619	203.85	0.00
33.70	0.00	3,619	203.85	0.00
33.80	0.00	3,619	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0	203.52	4,334	2,144
203.01	3,920	39	203.53	4,342	2,187
203.02	3,928	78	203.54	4,350	2,231
203.03	3,936	118	203.55	4,359	2,274
203.04	3,944	157	203.56	4,367	2,318
203.05	3,953	197	203.57	4,375	2,362
203.06	3,961	236	203.58	4,383	2,406
203.07	3,969	276	203.59	4,391	2,449
203.08	3,977	316	203.60	4,399	2,493
203.09	3,985	355	203.61	4,407	2,537
203.10	3,993	395	203.62	4,415	2,582
203.11	4,001	435	203.63	4,424	2,626
203.12	4,009	475	203.64	4,432	2,670
203.13	4,018	515	203.65	4,440	2,714
203.14	4,026	556	203.66	4,448	2,759
203.15	4,034	596	203.67	4,456	2,803
203.16	4,042	636	203.68	4,464	2,848
203.17	4,050	677	203.69	4,472	2,893
203.18	4,058	717	203.70	4,480	2,937
203.19	4,066	758	203.71	4,489	2,982
203.20	4,074	799	203.72	4,497	3,027
203.21	4,083	839	203.73	4,505	3,072
203.22	4,091	880	203.74	4,513	3,117
203.23	4,099	921	203.75	4,521	3,162
203.24	4,107	962	203.76	4,529	3,208
203.25	4,115	1,003	203.77	4,537	3,253
203.26	4,123	1,045	203.78	4,545	3,298
203.27	4,131	1,086	203.79	4,553	3,344
203.28	4,139	1,127	203.80	4,562	3,389
203.29	4,147	1,169	203.81	4,570	3,435
203.30	4,156	1,210	203.82	4,578	3,481
203.31	4,164	1,252	203.83	4,586	3,527
203.32	4,172	1,293	203.84	4,594	3,573
203.33	4,180	1,335	203.85	4,602	3,619
203.34	4,188	1,377	203.86	4,610	3,665
203.35	4,196	1,419	203.87	4,618	3,711
203.36	4,204	1,461	203.88	4,627	3,757
203.37	4,212	1,503	203.89	4,635	3,803
203.38	4,221	1,545	203.90	4,643	3,850
203.39	4,229	1,587	203.91	4,651	3,896
203.40	4,237	1,630	203.92	4,659	3,943
203.41	4,245	1,672	203.93	4,667	3,989
203.42	4,253	1,715	203.94	4,675	4,036
203.43	4,261	1,757	203.95	4,683	4,083
203.44	4,269	1,800	203.96	4,692	4,130
203.45	4,277	1,843	203.97	4,700	4,177
203.46	4,286	1,885	203.98	4,708	4,224
203.47	4,294	1,928	203.99	4,716	4,271
203.48	4,302	1,971	204.00	4,724	4,318
203.49	4,310	2,014	204.01	4,733	4,365
203.50	4,318	2,058	204.02	4,742	4,413
203.51	4,326	2,101	204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 1.87" for Current 2 yr event
Inflow = 5.17 cfs @ 12.12 hrs, Volume= 0.363 af
Outflow = 2.94 cfs @ 12.22 hrs, Volume= 0.279 af, Atten= 43%, Lag= 6.0 min
Primary = 2.94 cfs @ 12.22 hrs, Volume= 0.279 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.23' @ 12.22 hrs Surf.Area= 5,550 sf Storage= 6,058 cf

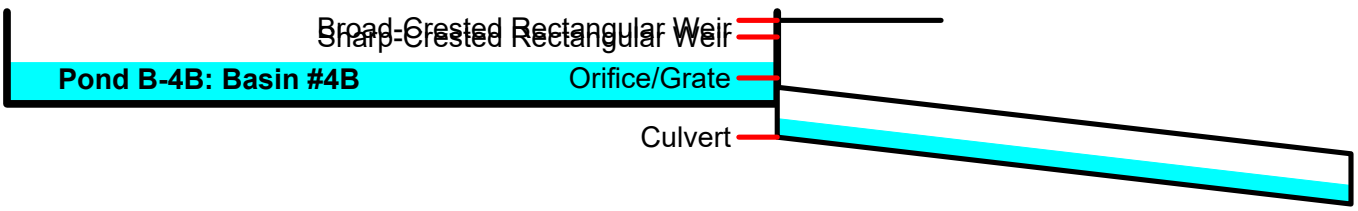
Plug-Flow detention time= 177.1 min calculated for 0.279 af (77% of inflow)
Center-of-Mass det. time= 86.2 min (882.8 - 796.6)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

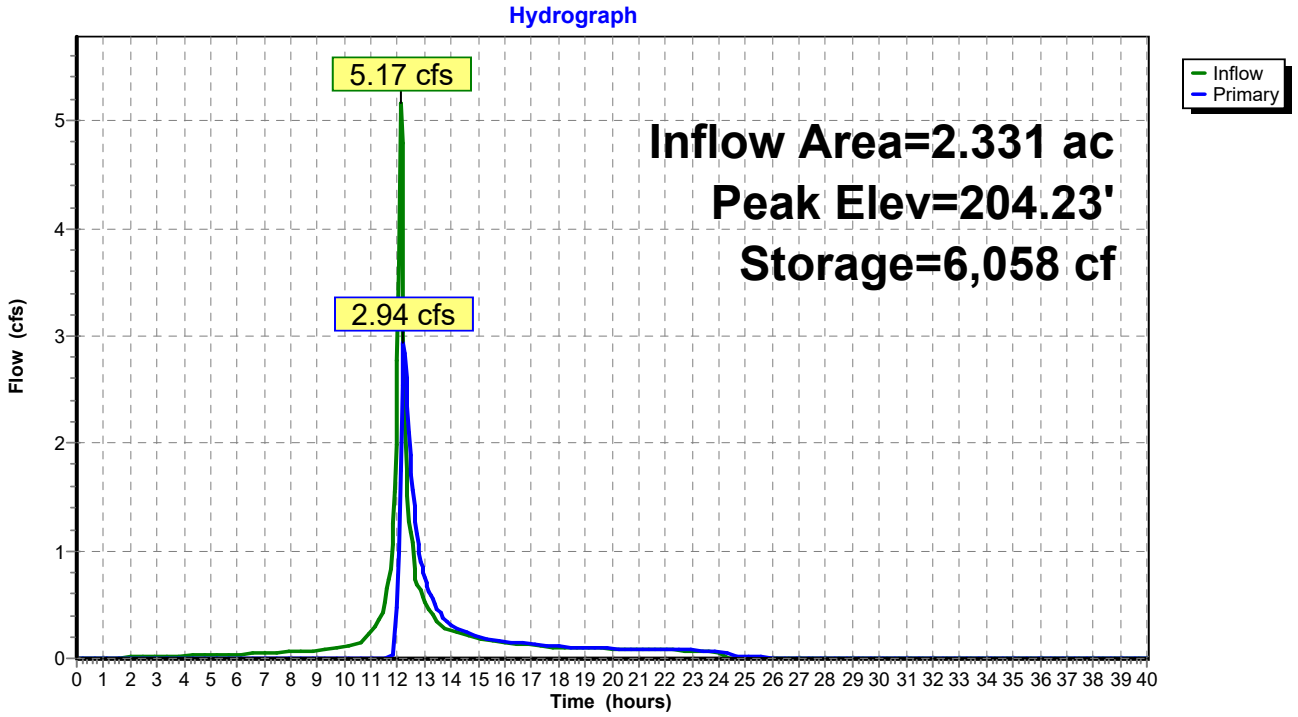
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=2.89 cfs @ 12.22 hrs HW=204.23' (Free Discharge)
- **1=Culvert** (Passes 2.89 cfs of 7.76 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.89 cfs @ 2.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	0	203.00	0.00
1.10	0.00	0	203.00	0.00
1.20	0.00	0	203.00	0.00
1.30	0.00	0	203.00	0.00
1.40	0.00	1	203.00	0.00
1.50	0.00	2	203.00	0.00
1.60	0.00	4	203.00	0.00
1.70	0.01	5	203.00	0.00
1.80	0.01	8	203.00	0.00
1.90	0.01	10	203.00	0.00
2.00	0.01	13	203.00	0.00
2.10	0.01	17	203.00	0.00
2.20	0.01	20	203.00	0.00
2.30	0.01	24	203.01	0.00
2.40	0.01	29	203.01	0.00
2.50	0.01	33	203.01	0.00
2.60	0.01	38	203.01	0.00
2.70	0.02	43	203.01	0.00
2.80	0.02	49	203.01	0.00
2.90	0.02	55	203.01	0.00
3.00	0.02	61	203.01	0.00
3.10	0.02	68	203.02	0.00
3.20	0.02	74	203.02	0.00
3.30	0.02	81	203.02	0.00
3.40	0.02	88	203.02	0.00
3.50	0.02	96	203.02	0.00
3.60	0.02	104	203.02	0.00
3.70	0.02	112	203.03	0.00
3.80	0.02	120	203.03	0.00
3.90	0.02	128	203.03	0.00
4.00	0.02	137	203.03	0.00
4.10	0.03	146	203.03	0.00
4.20	0.03	155	203.04	0.00
4.30	0.03	165	203.04	0.00
4.40	0.03	174	203.04	0.00
4.50	0.03	184	203.04	0.00
4.60	0.03	194	203.05	0.00
4.70	0.03	205	203.05	0.00
4.80	0.03	215	203.05	0.00
4.90	0.03	226	203.05	0.00
5.00	0.03	237	203.05	0.00
5.10	0.03	248	203.06	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	259	203.06	0.00
5.30	0.03	271	203.06	0.00
5.40	0.03	283	203.07	0.00
5.50	0.03	294	203.07	0.00
5.60	0.03	307	203.07	0.00
5.70	0.03	319	203.07	0.00
5.80	0.03	331	203.08	0.00
5.90	0.04	344	203.08	0.00
6.00	0.04	357	203.08	0.00
6.10	0.04	370	203.09	0.00
6.20	0.04	383	203.09	0.00
6.30	0.04	397	203.09	0.00
6.40	0.04	411	203.09	0.00
6.50	0.04	426	203.10	0.00
6.60	0.04	441	203.10	0.00
6.70	0.04	457	203.11	0.00
6.80	0.05	473	203.11	0.00
6.90	0.05	490	203.11	0.00
7.00	0.05	506	203.12	0.00
7.10	0.05	524	203.12	0.00
7.20	0.05	542	203.12	0.00
7.30	0.05	560	203.13	0.00
7.40	0.05	579	203.13	0.00
7.50	0.05	598	203.14	0.00
7.60	0.06	618	203.14	0.00
7.70	0.06	638	203.15	0.00
7.80	0.06	658	203.15	0.00
7.90	0.06	679	203.16	0.00
8.00	0.06	701	203.16	0.00
8.10	0.06	722	203.17	0.00
8.20	0.06	745	203.17	0.00
8.30	0.06	768	203.18	0.00
8.40	0.07	791	203.18	0.00
8.50	0.07	815	203.19	0.00
8.60	0.07	839	203.19	0.00
8.70	0.07	863	203.20	0.00
8.80	0.07	889	203.20	0.00
8.90	0.07	914	203.21	0.00
9.00	0.07	940	203.21	0.00
9.10	0.08	967	203.22	0.00
9.20	0.08	995	203.23	0.00
9.30	0.08	1,025	203.23	0.00
9.40	0.09	1,056	203.24	0.00
9.50	0.09	1,089	203.25	0.00
9.60	0.10	1,123	203.25	0.00
9.70	0.10	1,159	203.26	0.00
9.80	0.11	1,196	203.27	0.00
9.90	0.11	1,235	203.28	0.00
10.00	0.11	1,276	203.29	0.00
10.10	0.12	1,318	203.30	0.00
10.20	0.12	1,361	203.31	0.00
10.30	0.13	1,407	203.32	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,453	203.33	0.00
10.50	0.14	1,502	203.34	0.00
10.60	0.15	1,553	203.35	0.00
10.70	0.17	1,610	203.36	0.00
10.80	0.19	1,674	203.37	0.00
10.90	0.21	1,745	203.39	0.00
11.00	0.23	1,825	203.41	0.00
11.10	0.27	1,914	203.42	0.00
11.20	0.31	2,017	203.45	0.00
11.30	0.35	2,136	203.47	0.00
11.40	0.40	2,271	203.50	0.00
11.50	0.44	2,423	203.53	0.00
11.60	0.66	2,614	203.57	0.00
11.70	0.78	2,875	203.62	0.00
11.80	1.06	3,199	203.69	0.00
11.90	1.55	3,661	203.78	0.00
12.00	2.77	4,339	203.91	0.47
12.10	**5.07**	5,329	204.10	1.74
12.20	3.03	**6,044**	**204.23**	**2.92**
12.30	1.76	5,866	204.20	2.61
12.40	1.27	5,563	204.14	2.11
12.50	1.13	5,307	204.10	1.71
12.60	0.82	5,105	204.06	1.42
12.70	0.70	4,915	204.02	1.15
12.80	0.64	4,777	204.00	0.97
12.90	0.59	4,673	203.98	0.84
13.00	0.53	4,589	203.96	0.74
13.10	0.47	4,516	203.95	0.66
13.20	0.43	4,453	203.94	0.59
13.30	0.40	4,401	203.93	0.54
13.40	0.37	4,355	203.92	0.49
13.50	0.33	4,314	203.91	0.44
13.60	0.30	4,275	203.90	0.41
13.70	0.29	4,241	203.89	0.38
13.80	0.28	4,212	203.89	0.35
13.90	0.27	4,190	203.88	0.33
14.00	0.26	4,171	203.88	0.31
14.10	0.25	4,156	203.88	0.30
14.20	0.25	4,141	203.88	0.28
14.30	0.24	4,128	203.87	0.27
14.40	0.23	4,115	203.87	0.26
14.50	0.22	4,103	203.87	0.25
14.60	0.21	4,092	203.87	0.24
14.70	0.20	4,080	203.86	0.24
14.80	0.20	4,069	203.86	0.23
14.90	0.19	4,059	203.86	0.22
15.00	0.18	4,048	203.86	0.21
15.10	0.17	4,037	203.86	0.20
15.20	0.17	4,027	203.85	0.19
15.30	0.16	4,018	203.85	0.18
15.40	0.16	4,011	203.85	0.18
15.50	0.16	4,005	203.85	0.18

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	3,999	203.85	0.17
15.70	0.15	3,994	203.85	0.17
15.80	0.15	3,989	203.85	0.16
15.90	0.15	3,985	203.84	0.16
16.00	0.15	3,980	203.84	0.16
16.10	0.15	3,976	203.84	0.16
16.20	0.14	3,973	203.84	0.15
16.30	0.14	3,969	203.84	0.15
16.40	0.14	3,965	203.84	0.15
16.50	0.14	3,962	203.84	0.15
16.60	0.13	3,958	203.84	0.14
16.70	0.13	3,954	203.84	0.14
16.80	0.13	3,951	203.84	0.14
16.90	0.13	3,947	203.84	0.14
17.00	0.12	3,944	203.84	0.13
17.10	0.12	3,941	203.84	0.13
17.20	0.12	3,937	203.84	0.13
17.30	0.12	3,934	203.84	0.13
17.40	0.12	3,930	203.83	0.12
17.50	0.11	3,927	203.83	0.12
17.60	0.11	3,923	203.83	0.12
17.70	0.11	3,920	203.83	0.12
17.80	0.11	3,917	203.83	0.12
17.90	0.10	3,913	203.83	0.11
18.00	0.10	3,910	203.83	0.11
18.10	0.10	3,906	203.83	0.11
18.20	0.10	3,903	203.83	0.11
18.30	0.10	3,900	203.83	0.10
18.40	0.10	3,898	203.83	0.10
18.50	0.10	3,896	203.83	0.10
18.60	0.10	3,894	203.83	0.10
18.70	0.09	3,892	203.83	0.10
18.80	0.09	3,891	203.83	0.10
18.90	0.09	3,890	203.83	0.10
19.00	0.09	3,889	203.83	0.10
19.10	0.09	3,887	203.83	0.10
19.20	0.09	3,886	203.83	0.09
19.30	0.09	3,885	203.83	0.09
19.40	0.09	3,884	203.83	0.09
19.50	0.09	3,884	203.83	0.09
19.60	0.09	3,883	203.83	0.09
19.70	0.09	3,882	203.82	0.09
19.80	0.09	3,881	203.82	0.09
19.90	0.09	3,880	203.82	0.09
20.00	0.09	3,879	203.82	0.09
20.10	0.09	3,878	203.82	0.09
20.20	0.09	3,877	203.82	0.09
20.30	0.09	3,876	203.82	0.09
20.40	0.09	3,875	203.82	0.09
20.50	0.08	3,874	203.82	0.09
20.60	0.08	3,872	203.82	0.09
20.70	0.08	3,871	203.82	0.09

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	3,870	203.82	0.09
20.90	0.08	3,869	203.82	0.09
21.00	0.08	3,868	203.82	0.09
21.10	0.08	3,867	203.82	0.08
21.20	0.08	3,866	203.82	0.08
21.30	0.08	3,865	203.82	0.08
21.40	0.08	3,863	203.82	0.08
21.50	0.08	3,862	203.82	0.08
21.60	0.08	3,861	203.82	0.08
21.70	0.08	3,860	203.82	0.08
21.80	0.08	3,859	203.82	0.08
21.90	0.08	3,858	203.82	0.08
22.00	0.08	3,856	203.82	0.08
22.10	0.08	3,855	203.82	0.08
22.20	0.08	3,854	203.82	0.08
22.30	0.07	3,853	203.82	0.08
22.40	0.07	3,852	203.82	0.08
22.50	0.07	3,850	203.82	0.08
22.60	0.07	3,849	203.82	0.08
22.70	0.07	3,848	203.82	0.08
22.80	0.07	3,847	203.82	0.07
22.90	0.07	3,846	203.82	0.07
23.00	0.07	3,845	203.82	0.07
23.10	0.07	3,843	203.82	0.07
23.20	0.07	3,842	203.82	0.07
23.30	0.07	3,841	203.82	0.07
23.40	0.07	3,840	203.82	0.07
23.50	0.07	3,839	203.82	0.07
23.60	0.07	3,837	203.82	0.07
23.70	0.07	3,836	203.82	0.07
23.80	0.07	3,835	203.82	0.07
23.90	0.06	3,834	203.82	0.07
24.00	0.08	3,834	203.82	0.07
24.10	0.02	3,829	203.81	0.07
24.20	0.00	3,810	203.81	0.06
24.30	0.00	3,791	203.81	0.05
24.40	0.00	3,776	203.80	0.04
24.50	0.00	3,763	203.80	0.03
24.60	0.00	3,752	203.80	0.03
24.70	0.00	3,743	203.80	0.02
24.80	0.00	3,735	203.80	0.02
24.90	0.00	3,728	203.79	0.02
25.00	0.00	3,721	203.79	0.02
25.10	0.00	3,715	203.79	0.02
25.20	0.00	3,710	203.79	0.01
25.30	0.00	3,705	203.79	0.01
25.40	0.00	3,701	203.79	0.01
25.50	0.00	3,696	203.79	0.01
25.60	0.00	3,693	203.79	0.01
25.70	0.00	3,689	203.79	0.01
25.80	0.00	3,686	203.79	0.01
25.90	0.00	3,683	203.79	0.01

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,680	203.79	0.01
26.10	0.00	3,678	203.79	0.01
26.20	0.00	3,676	203.78	0.01
26.30	0.00	3,674	203.78	0.01
26.40	0.00	3,672	203.78	0.00
26.50	0.00	3,670	203.78	0.00
26.60	0.00	3,669	203.78	0.00
26.70	0.00	3,667	203.78	0.00
26.80	0.00	3,666	203.78	0.00
26.90	0.00	3,665	203.78	0.00
27.00	0.00	3,664	203.78	0.00
27.10	0.00	3,663	203.78	0.00
27.20	0.00	3,662	203.78	0.00
27.30	0.00	3,661	203.78	0.00
27.40	0.00	3,660	203.78	0.00
27.50	0.00	3,660	203.78	0.00
27.60	0.00	3,659	203.78	0.00
27.70	0.00	3,659	203.78	0.00
27.80	0.00	3,658	203.78	0.00
27.90	0.00	3,658	203.78	0.00
28.00	0.00	3,657	203.78	0.00
28.10	0.00	3,657	203.78	0.00
28.20	0.00	3,656	203.78	0.00
28.30	0.00	3,656	203.78	0.00
28.40	0.00	3,656	203.78	0.00
28.50	0.00	3,655	203.78	0.00
28.60	0.00	3,655	203.78	0.00
28.70	0.00	3,655	203.78	0.00
28.80	0.00	3,655	203.78	0.00
28.90	0.00	3,655	203.78	0.00
29.00	0.00	3,654	203.78	0.00
29.10	0.00	3,654	203.78	0.00
29.20	0.00	3,654	203.78	0.00
29.30	0.00	3,654	203.78	0.00
29.40	0.00	3,654	203.78	0.00
29.50	0.00	3,654	203.78	0.00
29.60	0.00	3,654	203.78	0.00
29.70	0.00	3,654	203.78	0.00
29.80	0.00	3,653	203.78	0.00
29.90	0.00	3,653	203.78	0.00
30.00	0.00	3,653	203.78	0.00
30.10	0.00	3,653	203.78	0.00
30.20	0.00	3,653	203.78	0.00
30.30	0.00	3,653	203.78	0.00
30.40	0.00	3,653	203.78	0.00
30.50	0.00	3,653	203.78	0.00
30.60	0.00	3,653	203.78	0.00
30.70	0.00	3,653	203.78	0.00
30.80	0.00	3,653	203.78	0.00
30.90	0.00	3,653	203.78	0.00
31.00	0.00	3,653	203.78	0.00
31.10	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,653	203.78	0.00
31.30	0.00	3,653	203.78	0.00
31.40	0.00	3,653	203.78	0.00
31.50	0.00	3,653	203.78	0.00
31.60	0.00	3,653	203.78	0.00
31.70	0.00	3,653	203.78	0.00
31.80	0.00	3,653	203.78	0.00
31.90	0.00	3,653	203.78	0.00
32.00	0.00	3,653	203.78	0.00
32.10	0.00	3,653	203.78	0.00
32.20	0.00	3,653	203.78	0.00
32.30	0.00	3,653	203.78	0.00
32.40	0.00	3,653	203.78	0.00
32.50	0.00	3,653	203.78	0.00
32.60	0.00	3,653	203.78	0.00
32.70	0.00	3,653	203.78	0.00
32.80	0.00	3,653	203.78	0.00
32.90	0.00	3,653	203.78	0.00
33.00	0.00	3,653	203.78	0.00
33.10	0.00	3,653	203.78	0.00
33.20	0.00	3,653	203.78	0.00
33.30	0.00	3,653	203.78	0.00
33.40	0.00	3,653	203.78	0.00
33.50	0.00	3,653	203.78	0.00
33.60	0.00	3,653	203.78	0.00
33.70	0.00	3,653	203.78	0.00
33.80	0.00	3,653	203.78	0.00
33.90	0.00	3,653	203.78	0.00
34.00	0.00	3,653	203.78	0.00
34.10	0.00	3,653	203.78	0.00
34.20	0.00	3,653	203.78	0.00
34.30	0.00	3,653	203.78	0.00
34.40	0.00	3,653	203.78	0.00
34.50	0.00	3,653	203.78	0.00
34.60	0.00	3,653	203.78	0.00
34.70	0.00	3,653	203.78	0.00
34.80	0.00	3,653	203.78	0.00
34.90	0.00	3,653	203.78	0.00
35.00	0.00	3,653	203.78	0.00
35.10	0.00	3,653	203.78	0.00
35.20	0.00	3,653	203.78	0.00
35.30	0.00	3,653	203.78	0.00
35.40	0.00	3,653	203.78	0.00
35.50	0.00	3,653	203.78	0.00
35.60	0.00	3,653	203.78	0.00
35.70	0.00	3,653	203.78	0.00
35.80	0.00	3,653	203.78	0.00
35.90	0.00	3,653	203.78	0.00
36.00	0.00	3,653	203.78	0.00
36.10	0.00	3,653	203.78	0.00
36.20	0.00	3,653	203.78	0.00
36.30	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,653	203.78	0.00
36.50	0.00	3,653	203.78	0.00
36.60	0.00	3,653	203.78	0.00
36.70	0.00	3,653	203.78	0.00
36.80	0.00	3,653	203.78	0.00
36.90	0.00	3,653	203.78	0.00
37.00	0.00	3,653	203.78	0.00
37.10	0.00	3,653	203.78	0.00
37.20	0.00	3,653	203.78	0.00
37.30	0.00	3,653	203.78	0.00
37.40	0.00	3,653	203.78	0.00
37.50	0.00	3,653	203.78	0.00
37.60	0.00	3,653	203.78	0.00
37.70	0.00	3,653	203.78	0.00
37.80	0.00	3,653	203.78	0.00
37.90	0.00	3,653	203.78	0.00
38.00	0.00	3,653	203.78	0.00
38.10	0.00	3,653	203.78	0.00
38.20	0.00	3,653	203.78	0.00
38.30	0.00	3,653	203.78	0.00
38.40	0.00	3,653	203.78	0.00
38.50	0.00	3,653	203.78	0.00
38.60	0.00	3,653	203.78	0.00
38.70	0.00	3,653	203.78	0.00
38.80	0.00	3,653	203.78	0.00
38.90	0.00	3,653	203.78	0.00
39.00	0.00	3,653	203.78	0.00
39.10	0.00	3,653	203.78	0.00
39.20	0.00	3,653	203.78	0.00
39.30	0.00	3,653	203.78	0.00
39.40	0.00	3,653	203.78	0.00
39.50	0.00	3,653	203.78	0.00
39.60	0.00	3,653	203.78	0.00
39.70	0.00	3,653	203.78	0.00
39.80	0.00	3,653	203.78	0.00
39.90	0.00	3,653	203.78	0.00
40.00	0.00	3,653	203.78	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0	203.52	4,813	2,367
203.01	4,302	43	203.53	4,823	2,415
203.02	4,312	86	203.54	4,833	2,464
203.03	4,322	129	203.55	4,843	2,512
203.04	4,332	172	203.56	4,853	2,561
203.05	4,342	216	203.57	4,863	2,609
203.06	4,352	259	203.58	4,873	2,658
203.07	4,362	303	203.59	4,883	2,707
203.08	4,372	347	203.60	4,893	2,756
203.09	4,382	390	203.61	4,903	2,805
203.10	4,392	434	203.62	4,913	2,854
203.11	4,402	478	203.63	4,923	2,903
203.12	4,412	522	203.64	4,933	2,952
203.13	4,422	566	203.65	4,943	3,001
203.14	4,432	611	203.66	4,953	3,051
203.15	4,442	655	203.67	4,963	3,101
203.16	4,452	700	203.68	4,973	3,150
203.17	4,462	744	203.69	4,983	3,200
203.18	4,472	789	203.70	4,993	3,250
203.19	4,482	834	203.71	5,003	3,300
203.20	4,492	878	203.72	5,013	3,350
203.21	4,502	923	203.73	5,023	3,400
203.22	4,512	968	203.74	5,033	3,450
203.23	4,522	1,014	203.75	5,044	3,501
203.24	4,532	1,059	203.76	5,054	3,551
203.25	4,543	1,104	203.77	5,064	3,602
203.26	4,553	1,150	203.78	5,074	3,653
203.27	4,563	1,195	203.79	5,084	3,703
203.28	4,573	1,241	203.80	5,094	3,754
203.29	4,583	1,287	203.81	5,104	3,805
203.30	4,593	1,333	203.82	5,114	3,856
203.31	4,603	1,379	203.83	5,124	3,907
203.32	4,613	1,425	203.84	5,134	3,959
203.33	4,623	1,471	203.85	5,144	4,010
203.34	4,633	1,517	203.86	5,154	4,062
203.35	4,643	1,564	203.87	5,164	4,113
203.36	4,653	1,610	203.88	5,174	4,165
203.37	4,663	1,657	203.89	5,184	4,217
203.38	4,673	1,703	203.90	5,194	4,269
203.39	4,683	1,750	203.91	5,204	4,321
203.40	4,693	1,797	203.92	5,214	4,373
203.41	4,703	1,844	203.93	5,224	4,425
203.42	4,713	1,891	203.94	5,234	4,477
203.43	4,723	1,938	203.95	5,244	4,530
203.44	4,733	1,985	203.96	5,254	4,582
203.45	4,743	2,033	203.97	5,264	4,635
203.46	4,753	2,080	203.98	5,274	4,687
203.47	4,763	2,128	203.99	5,284	4,740
203.48	4,773	2,176	204.00	5,294	4,793
203.49	4,783	2,223	204.01	5,305	4,846
203.50	4,793	2,271	204.02	5,316	4,899
203.51	4,803	2,319	204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006	204.56	5,909	7,930
204.05	5,349	5,059	204.57	5,920	7,989
204.06	5,360	5,113	204.58	5,931	8,048
204.07	5,371	5,166	204.59	5,942	8,108
204.08	5,382	5,220	204.60	5,953	8,167
204.09	5,393	5,274	204.61	5,964	8,227
204.10	5,404	5,328	204.62	5,975	8,287
204.11	5,415	5,382	204.63	5,986	8,346
204.12	5,426	5,436	204.64	5,997	8,406
204.13	5,437	5,491	204.65	6,008	8,466
204.14	5,448	5,545	204.66	6,019	8,526
204.15	5,459	5,599	204.67	6,030	8,587
204.16	5,470	5,654	204.68	6,041	8,647
204.17	5,481	5,709	204.69	6,052	8,707
204.18	5,492	5,764	204.70	6,063	8,768
204.19	5,503	5,819	204.71	6,074	8,829
204.20	5,514	5,874	204.72	6,085	8,890
204.21	5,525	5,929	204.73	6,096	8,950
204.22	5,536	5,984	204.74	6,107	9,011
204.23	5,547	6,040	204.75	6,118	9,073
204.24	5,558	6,095	204.76	6,129	9,134
204.25	5,569	6,151	204.77	6,140	9,195
204.26	5,580	6,207	204.78	6,151	9,257
204.27	5,591	6,262	204.79	6,162	9,318
204.28	5,602	6,318	204.80	6,173	9,380
204.29	5,613	6,374	204.81	6,184	9,442
204.30	5,624	6,431	204.82	6,195	9,504
204.31	5,635	6,487	204.83	6,206	9,566
204.32	5,646	6,543	204.84	6,217	9,628
204.33	5,657	6,600	204.85	6,228	9,690
204.34	5,668	6,656	204.86	6,239	9,752
204.35	5,679	6,713	204.87	6,250	9,815
204.36	5,690	6,770	204.88	6,261	9,877
204.37	5,701	6,827	204.89	6,272	9,940
204.38	5,712	6,884	204.90	6,283	10,003
204.39	5,723	6,941	204.91	6,294	10,066
204.40	5,734	6,999	204.92	6,305	10,129
204.41	5,745	7,056	204.93	6,316	10,192
204.42	5,756	7,113	204.94	6,327	10,255
204.43	5,767	7,171	204.95	6,338	10,318
204.44	5,778	7,229	204.96	6,349	10,382
204.45	5,789	7,287	204.97	6,360	10,445
204.46	5,800	7,345	204.98	6,371	10,509
204.47	5,811	7,403	204.99	6,382	10,573
204.48	5,822	7,461	205.00	6,393	10,637
204.49	5,833	7,519	205.01	6,400	10,700
204.50	5,844	7,577	205.02	6,407	10,765
204.51	5,854	7,636	205.03	6,415	10,829
204.52	5,865	7,694	205.04	6,422	10,893
204.53	5,876	7,753	205.05	6,429	10,957
204.54	5,887	7,812	205.06	6,436	11,021
204.55	5,898	7,871	205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 1.40" for Current 2 yr event
Inflow = 6.49 cfs @ 12.20 hrs, Volume= 0.623 af
Outflow = 0.17 cfs @ 22.18 hrs, Volume= 0.362 af, Atten= 97%, Lag= 598.7 min
Primary = 0.17 cfs @ 22.18 hrs, Volume= 0.362 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.25' @ 22.18 hrs Surf.Area= 16,259 sf Storage= 19,804 cf

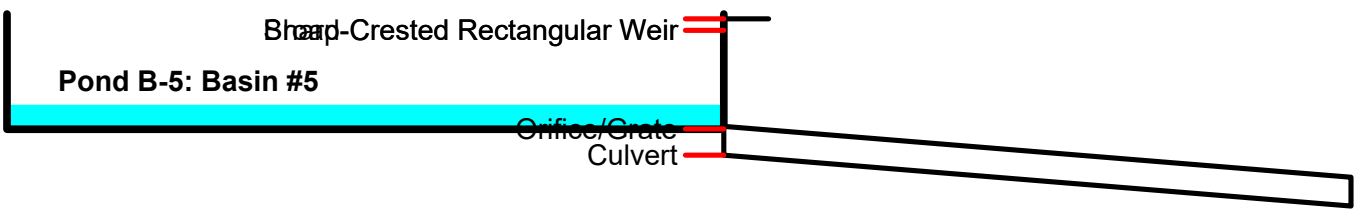
Plug-Flow detention time= 790.5 min calculated for 0.362 af (58% of inflow)
Center-of-Mass det. time= 662.0 min (1,540.6 - 878.6)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

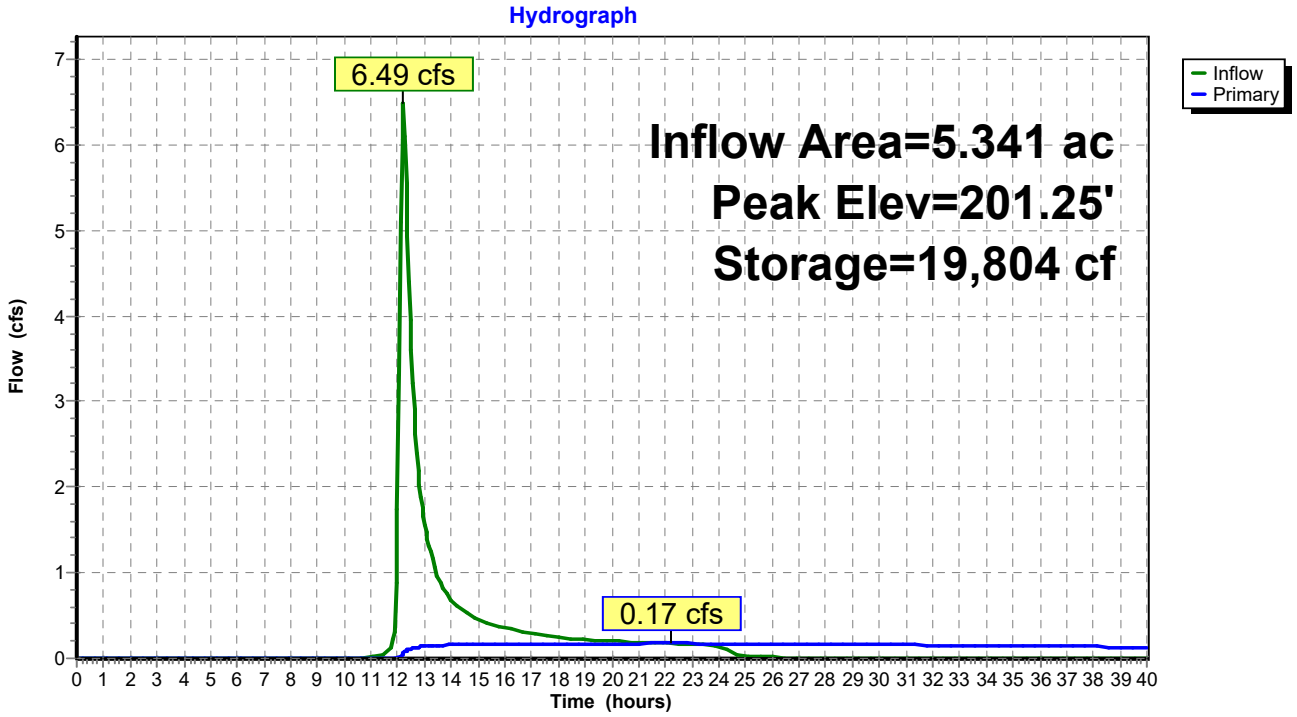
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 22.18 hrs HW=201.25' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 11.57 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.11 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	0	200.00	0.00
1.50	0.00	0	200.00	0.00
1.60	0.00	0	200.00	0.00
1.70	0.00	0	200.00	0.00
1.80	0.00	0	200.00	0.00
1.90	0.00	0	200.00	0.00
2.00	0.00	0	200.00	0.00
2.10	0.00	0	200.00	0.00
2.20	0.00	0	200.00	0.00
2.30	0.00	0	200.00	0.00
2.40	0.00	0	200.00	0.00
2.50	0.00	0	200.00	0.00
2.60	0.00	0	200.00	0.00
2.70	0.00	0	200.00	0.00
2.80	0.00	0	200.00	0.00
2.90	0.00	0	200.00	0.00
3.00	0.00	0	200.00	0.00
3.10	0.00	0	200.00	0.00
3.20	0.00	0	200.00	0.00
3.30	0.00	0	200.00	0.00
3.40	0.00	0	200.00	0.00
3.50	0.00	0	200.00	0.00
3.60	0.00	0	200.00	0.00
3.70	0.00	0	200.00	0.00
3.80	0.00	0	200.00	0.00
3.90	0.00	0	200.00	0.00
4.00	0.00	0	200.00	0.00
4.10	0.00	0	200.00	0.00
4.20	0.00	0	200.00	0.00
4.30	0.00	0	200.00	0.00
4.40	0.00	0	200.00	0.00
4.50	0.00	0	200.00	0.00
4.60	0.00	0	200.00	0.00
4.70	0.00	0	200.00	0.00
4.80	0.00	0	200.00	0.00
4.90	0.00	0	200.00	0.00
5.00	0.00	0	200.00	0.00
5.10	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	200.00	0.00
5.30	0.00	0	200.00	0.00
5.40	0.00	0	200.00	0.00
5.50	0.00	0	200.00	0.00
5.60	0.00	0	200.00	0.00
5.70	0.00	0	200.00	0.00
5.80	0.00	0	200.00	0.00
5.90	0.00	0	200.00	0.00
6.00	0.00	0	200.00	0.00
6.10	0.00	0	200.00	0.00
6.20	0.00	0	200.00	0.00
6.30	0.00	0	200.00	0.00
6.40	0.00	0	200.00	0.00
6.50	0.00	0	200.00	0.00
6.60	0.00	0	200.00	0.00
6.70	0.00	0	200.00	0.00
6.80	0.00	0	200.00	0.00
6.90	0.00	0	200.00	0.00
7.00	0.00	0	200.00	0.00
7.10	0.00	0	200.00	0.00
7.20	0.00	0	200.00	0.00
7.30	0.00	0	200.00	0.00
7.40	0.00	0	200.00	0.00
7.50	0.00	0	200.00	0.00
7.60	0.00	0	200.00	0.00
7.70	0.00	0	200.00	0.00
7.80	0.00	0	200.00	0.00
7.90	0.00	0	200.00	0.00
8.00	0.00	0	200.00	0.00
8.10	0.00	0	200.00	0.00
8.20	0.00	0	200.00	0.00
8.30	0.00	0	200.00	0.00
8.40	0.00	0	200.00	0.00
8.50	0.00	0	200.00	0.00
8.60	0.00	0	200.00	0.00
8.70	0.00	0	200.00	0.00
8.80	0.00	0	200.00	0.00
8.90	0.00	0	200.00	0.00
9.00	0.00	0	200.00	0.00
9.10	0.00	0	200.00	0.00
9.20	0.00	0	200.00	0.00
9.30	0.00	0	200.00	0.00
9.40	0.00	0	200.00	0.00
9.50	0.00	0	200.00	0.00
9.60	0.00	0	200.00	0.00
9.70	0.00	0	200.00	0.00
9.80	0.00	0	200.00	0.00
9.90	0.00	0	200.00	0.00
10.00	0.00	0	200.00	0.00
10.10	0.00	0	200.00	0.00
10.20	0.00	0	200.00	0.00
10.30	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	0	200.00	0.00
10.50	0.00	0	200.00	0.00
10.60	0.00	0	200.00	0.00
10.70	0.00	0	200.00	0.00
10.80	0.00	1	200.00	0.00
10.90	0.01	3	200.00	0.00
11.00	0.01	6	200.00	0.00
11.10	0.01	10	200.00	0.00
11.20	0.02	16	200.00	0.00
11.30	0.03	25	200.00	0.00
11.40	0.03	36	200.00	0.00
11.50	0.04	49	200.00	0.00
11.60	0.08	73	200.00	0.00
11.70	0.10	104	200.01	0.00
11.80	0.16	152	200.01	0.00
11.90	0.31	236	200.02	0.00
12.00	1.74	579	200.04	0.00
12.10	5.10	1,788	200.12	0.02
12.20	**6.49**	3,908	200.25	0.06
12.30	5.55	6,063	200.39	0.08
12.40	4.40	7,812	200.50	0.10
12.50	3.59	9,204	200.59	0.11
12.60	2.91	10,328	200.66	0.12
12.70	2.39	11,233	200.72	0.13
12.80	2.03	11,978	200.76	0.13
12.90	1.77	12,612	200.80	0.14
13.00	1.56	13,161	200.84	0.14
13.10	1.39	13,641	200.87	0.14
13.20	1.25	14,063	200.89	0.14
13.30	1.13	14,439	200.92	0.15
13.40	1.04	14,776	200.94	0.15
13.50	0.95	15,078	200.96	0.15
13.60	0.87	15,350	200.97	0.15
13.70	0.80	15,595	200.99	0.15
13.80	0.75	15,819	201.00	0.15
13.90	0.71	16,025	201.02	0.15
14.00	0.67	16,218	201.03	0.16
14.10	0.65	16,399	201.04	0.16
14.20	0.62	16,570	201.05	0.16
14.30	0.60	16,732	201.06	0.16
14.40	0.57	16,885	201.07	0.16
14.50	0.55	17,030	201.08	0.16
14.60	0.53	17,167	201.09	0.16
14.70	0.51	17,297	201.09	0.16
14.80	0.49	17,419	201.10	0.16
14.90	0.47	17,535	201.11	0.16
15.00	0.45	17,643	201.12	0.16
15.10	0.44	17,745	201.12	0.16
15.20	0.42	17,839	201.13	0.16
15.30	0.41	17,928	201.13	0.16
15.40	0.40	18,013	201.14	0.17
15.50	0.39	18,094	201.14	0.17

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.38	18,171	201.15	0.17
15.70	0.37	18,246	201.15	0.17
15.80	0.36	18,318	201.16	0.17
15.90	0.36	18,387	201.16	0.17
16.00	0.35	18,454	201.17	0.17
16.10	0.34	18,519	201.17	0.17
16.20	0.34	18,581	201.17	0.17
16.30	0.33	18,642	201.18	0.17
16.40	0.33	18,700	201.18	0.17
16.50	0.32	18,756	201.18	0.17
16.60	0.32	18,810	201.19	0.17
16.70	0.31	18,862	201.19	0.17
16.80	0.31	18,913	201.19	0.17
16.90	0.30	18,961	201.20	0.17
17.00	0.30	19,007	201.20	0.17
17.10	0.29	19,052	201.20	0.17
17.20	0.29	19,094	201.21	0.17
17.30	0.28	19,135	201.21	0.17
17.40	0.28	19,174	201.21	0.17
17.50	0.27	19,211	201.21	0.17
17.60	0.27	19,246	201.22	0.17
17.70	0.26	19,280	201.22	0.17
17.80	0.26	19,311	201.22	0.17
17.90	0.25	19,340	201.22	0.17
18.00	0.25	19,368	201.22	0.17
18.10	0.24	19,394	201.22	0.17
18.20	0.24	19,417	201.23	0.17
18.30	0.23	19,440	201.23	0.17
18.40	0.23	19,461	201.23	0.17
18.50	0.23	19,480	201.23	0.17
18.60	0.22	19,499	201.23	0.17
18.70	0.22	19,517	201.23	0.17
18.80	0.22	19,534	201.23	0.17
18.90	0.22	19,551	201.23	0.17
19.00	0.22	19,566	201.23	0.17
19.10	0.21	19,582	201.24	0.17
19.20	0.21	19,596	201.24	0.17
19.30	0.21	19,610	201.24	0.17
19.40	0.21	19,623	201.24	0.17
19.50	0.21	19,636	201.24	0.17
19.60	0.21	19,648	201.24	0.17
19.70	0.21	19,660	201.24	0.17
19.80	0.20	19,671	201.24	0.17
19.90	0.20	19,682	201.24	0.17
20.00	0.20	19,693	201.24	0.17
20.10	0.20	19,703	201.24	0.17
20.20	0.20	19,712	201.24	0.17
20.30	0.20	19,721	201.24	0.17
20.40	0.20	19,730	201.24	0.17
20.50	0.20	19,738	201.25	0.17
20.60	0.19	19,746	201.25	0.17
20.70	0.19	19,753	201.25	0.17

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.19	19,760	201.25	0.17
20.90	0.19	19,766	201.25	0.17
21.00	0.19	19,772	201.25	0.17
21.10	0.19	19,777	201.25	0.17
21.20	0.19	19,782	201.25	0.17
21.30	0.19	19,786	201.25	0.17
21.40	0.18	19,790	201.25	0.17
21.50	0.18	19,793	201.25	0.17
21.60	0.18	19,796	201.25	0.17
21.70	0.18	19,799	201.25	0.17
21.80	0.18	19,801	201.25	0.17
21.90	0.18	19,802	201.25	0.17
22.00	0.18	19,803	201.25	0.17
22.10	0.18	19,804	201.25	0.17
22.20	0.17	**19,804**	**201.25**	**0.17**
22.30	0.17	19,804	201.25	0.17
22.40	0.17	19,803	201.25	0.17
22.50	0.17	19,801	201.25	0.17
22.60	0.17	19,800	201.25	0.17
22.70	0.17	19,797	201.25	0.17
22.80	0.17	19,795	201.25	0.17
22.90	0.16	19,791	201.25	0.17
23.00	0.16	19,788	201.25	0.17
23.10	0.16	19,784	201.25	0.17
23.20	0.16	19,779	201.25	0.17
23.30	0.16	19,774	201.25	0.17
23.40	0.16	19,768	201.25	0.17
23.50	0.16	19,762	201.25	0.17
23.60	0.16	19,756	201.25	0.17
23.70	0.15	19,749	201.25	0.17
23.80	0.15	19,741	201.25	0.17
23.90	0.15	19,733	201.25	0.17
24.00	0.15	19,726	201.24	0.17
24.10	0.13	19,714	201.24	0.17
24.20	0.11	19,694	201.24	0.17
24.30	0.09	19,667	201.24	0.17
24.40	0.08	19,635	201.24	0.17
24.50	0.07	19,598	201.24	0.17
24.60	0.06	19,558	201.23	0.17
24.70	0.05	19,514	201.23	0.17
24.80	0.04	19,468	201.23	0.17
24.90	0.04	19,421	201.23	0.17
25.00	0.03	19,372	201.22	0.17
25.10	0.03	19,321	201.22	0.17
25.20	0.03	19,270	201.22	0.17
25.30	0.02	19,217	201.21	0.17
25.40	0.02	19,164	201.21	0.17
25.50	0.02	19,110	201.21	0.17
25.60	0.02	19,055	201.20	0.17
25.70	0.02	18,999	201.20	0.17
25.80	0.01	18,943	201.20	0.17
25.90	0.01	18,887	201.19	0.17

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.01	18,830	201.19	0.17
26.10	0.01	18,773	201.19	0.17
26.20	0.01	18,716	201.18	0.17
26.30	0.01	18,658	201.18	0.17
26.40	0.01	18,600	201.18	0.17
26.50	0.01	18,542	201.17	0.17
26.60	0.01	18,484	201.17	0.17
26.70	0.01	18,426	201.16	0.17
26.80	0.00	18,367	201.16	0.17
26.90	0.00	18,309	201.16	0.17
27.00	0.00	18,250	201.15	0.17
27.10	0.00	18,192	201.15	0.17
27.20	0.00	18,133	201.15	0.17
27.30	0.00	18,075	201.14	0.17
27.40	0.00	18,016	201.14	0.17
27.50	0.00	17,958	201.14	0.17
27.60	0.00	17,899	201.13	0.16
27.70	0.00	17,841	201.13	0.16
27.80	0.00	17,783	201.12	0.16
27.90	0.00	17,725	201.12	0.16
28.00	0.00	17,666	201.12	0.16
28.10	0.00	17,608	201.11	0.16
28.20	0.00	17,550	201.11	0.16
28.30	0.00	17,492	201.11	0.16
28.40	0.00	17,434	201.10	0.16
28.50	0.00	17,376	201.10	0.16
28.60	0.00	17,318	201.10	0.16
28.70	0.00	17,261	201.09	0.16
28.80	0.00	17,203	201.09	0.16
28.90	0.00	17,145	201.09	0.16
29.00	0.00	17,088	201.08	0.16
29.10	0.00	17,030	201.08	0.16
29.20	0.00	16,973	201.07	0.16
29.30	0.00	16,916	201.07	0.16
29.40	0.00	16,859	201.07	0.16
29.50	0.00	16,802	201.06	0.16
29.60	0.00	16,745	201.06	0.16
29.70	0.00	16,688	201.06	0.16
29.80	0.00	16,631	201.05	0.16
29.90	0.00	16,574	201.05	0.16
30.00	0.00	16,518	201.05	0.16
30.10	0.00	16,461	201.04	0.16
30.20	0.00	16,405	201.04	0.16
30.30	0.00	16,349	201.04	0.16
30.40	0.00	16,293	201.03	0.16
30.50	0.00	16,236	201.03	0.16
30.60	0.00	16,180	201.03	0.16
30.70	0.00	16,125	201.02	0.16
30.80	0.00	16,069	201.02	0.16
30.90	0.00	16,013	201.02	0.15
31.00	0.00	15,957	201.01	0.15
31.10	0.00	15,902	201.01	0.15

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	15,847	201.00	0.15
31.30	0.00	15,791	201.00	0.15
31.40	0.00	15,736	201.00	0.15
31.50	0.00	15,681	200.99	0.15
31.60	0.00	15,626	200.99	0.15
31.70	0.00	15,571	200.99	0.15
31.80	0.00	15,516	200.98	0.15
31.90	0.00	15,462	200.98	0.15
32.00	0.00	15,407	200.98	0.15
32.10	0.00	15,353	200.97	0.15
32.20	0.00	15,298	200.97	0.15
32.30	0.00	15,244	200.97	0.15
32.40	0.00	15,190	200.96	0.15
32.50	0.00	15,136	200.96	0.15
32.60	0.00	15,082	200.96	0.15
32.70	0.00	15,028	200.95	0.15
32.80	0.00	14,975	200.95	0.15
32.90	0.00	14,921	200.95	0.15
33.00	0.00	14,867	200.94	0.15
33.10	0.00	14,814	200.94	0.15
33.20	0.00	14,761	200.94	0.15
33.30	0.00	14,708	200.93	0.15
33.40	0.00	14,655	200.93	0.15
33.50	0.00	14,602	200.93	0.15
33.60	0.00	14,549	200.92	0.15
33.70	0.00	14,496	200.92	0.15
33.80	0.00	14,443	200.92	0.15
33.90	0.00	14,391	200.91	0.15
34.00	0.00	14,338	200.91	0.15
34.10	0.00	14,286	200.91	0.15
34.20	0.00	14,234	200.90	0.14
34.30	0.00	14,182	200.90	0.14
34.40	0.00	14,130	200.90	0.14
34.50	0.00	14,078	200.89	0.14
34.60	0.00	14,026	200.89	0.14
34.70	0.00	13,974	200.89	0.14
34.80	0.00	13,923	200.88	0.14
34.90	0.00	13,871	200.88	0.14
35.00	0.00	13,820	200.88	0.14
35.10	0.00	13,769	200.88	0.14
35.20	0.00	13,718	200.87	0.14
35.30	0.00	13,667	200.87	0.14
35.40	0.00	13,616	200.87	0.14
35.50	0.00	13,565	200.86	0.14
35.60	0.00	13,514	200.86	0.14
35.70	0.00	13,464	200.86	0.14
35.80	0.00	13,413	200.85	0.14
35.90	0.00	13,363	200.85	0.14
36.00	0.00	13,313	200.85	0.14
36.10	0.00	13,263	200.84	0.14
36.20	0.00	13,212	200.84	0.14
36.30	0.00	13,163	200.84	0.14

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	13,113	200.83	0.14
36.50	0.00	13,063	200.83	0.14
36.60	0.00	13,013	200.83	0.14
36.70	0.00	12,964	200.82	0.14
36.80	0.00	12,914	200.82	0.14
36.90	0.00	12,865	200.82	0.14
37.00	0.00	12,816	200.82	0.14
37.10	0.00	12,767	200.81	0.14
37.20	0.00	12,718	200.81	0.14
37.30	0.00	12,669	200.81	0.14
37.40	0.00	12,620	200.80	0.14
37.50	0.00	12,572	200.80	0.13
37.60	0.00	12,523	200.80	0.13
37.70	0.00	12,475	200.79	0.13
37.80	0.00	12,427	200.79	0.13
37.90	0.00	12,378	200.79	0.13
38.00	0.00	12,330	200.79	0.13
38.10	0.00	12,282	200.78	0.13
38.20	0.00	12,234	200.78	0.13
38.30	0.00	12,187	200.78	0.13
38.40	0.00	12,139	200.77	0.13
38.50	0.00	12,092	200.77	0.13
38.60	0.00	12,044	200.77	0.13
38.70	0.00	11,997	200.76	0.13
38.80	0.00	11,950	200.76	0.13
38.90	0.00	11,902	200.76	0.13
39.00	0.00	11,856	200.76	0.13
39.10	0.00	11,809	200.75	0.13
39.20	0.00	11,762	200.75	0.13
39.30	0.00	11,715	200.75	0.13
39.40	0.00	11,669	200.74	0.13
39.50	0.00	11,622	200.74	0.13
39.60	0.00	11,576	200.74	0.13
39.70	0.00	11,530	200.73	0.13
39.80	0.00	11,484	200.73	0.13
39.90	0.00	11,438	200.73	0.13
40.00	0.00	11,392	200.73	0.13

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0	200.52	15,784	8,122
200.01	15,461	155	200.53	15,790	8,280
200.02	15,468	309	200.54	15,796	8,438
200.03	15,474	464	200.55	15,803	8,596
200.04	15,480	619	200.56	15,809	8,754
200.05	15,487	774	200.57	15,815	8,912
200.06	15,493	928	200.58	15,822	9,070
200.07	15,499	1,083	200.59	15,828	9,228
200.08	15,506	1,238	200.60	15,834	9,387
200.09	15,512	1,394	200.61	15,841	9,545
200.10	15,518	1,549	200.62	15,847	9,704
200.11	15,525	1,704	200.63	15,853	9,862
200.12	15,531	1,859	200.64	15,859	10,021
200.13	15,537	2,014	200.65	15,866	10,179
200.14	15,543	2,170	200.66	15,872	10,338
200.15	15,550	2,325	200.67	15,878	10,497
200.16	15,556	2,481	200.68	15,885	10,656
200.17	15,562	2,636	200.69	15,891	10,814
200.18	15,569	2,792	200.70	15,897	10,973
200.19	15,575	2,948	200.71	15,904	11,132
200.20	15,581	3,104	200.72	15,910	11,291
200.21	15,588	3,259	200.73	15,916	11,451
200.22	15,594	3,415	200.74	15,923	11,610
200.23	15,600	3,571	200.75	15,929	11,769
200.24	15,607	3,727	200.76	15,935	11,928
200.25	15,613	3,884	200.77	15,942	12,088
200.26	15,619	4,040	200.78	15,948	12,247
200.27	15,626	4,196	200.79	15,954	12,407
200.28	15,632	4,352	200.80	15,961	12,566
200.29	15,638	4,509	200.81	15,967	12,726
200.30	15,645	4,665	200.82	15,973	12,886
200.31	15,651	4,821	200.83	15,980	13,045
200.32	15,657	4,978	200.84	15,986	13,205
200.33	15,664	5,135	200.85	15,992	13,365
200.34	15,670	5,291	200.86	15,999	13,525
200.35	15,676	5,448	200.87	16,005	13,685
200.36	15,683	5,605	200.88	16,011	13,845
200.37	15,689	5,762	200.89	16,017	14,005
200.38	15,695	5,919	200.90	16,024	14,165
200.39	15,701	6,076	200.91	16,030	14,326
200.40	15,708	6,233	200.92	16,036	14,486
200.41	15,714	6,390	200.93	16,043	14,646
200.42	15,720	6,547	200.94	16,049	14,807
200.43	15,727	6,704	200.95	16,055	14,967
200.44	15,733	6,861	200.96	16,062	15,128
200.45	15,739	7,019	200.97	16,068	15,289
200.46	15,746	7,176	200.98	16,074	15,449
200.47	15,752	7,334	200.99	16,081	15,610
200.48	15,758	7,491	201.00	16,087	15,771
200.49	15,765	7,649	201.01	16,094	15,932
200.50	15,771	7,807	201.02	16,101	16,093
200.51	15,777	7,964	201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415	201.56	16,472	24,888
201.05	16,121	16,576	201.57	16,479	25,052
201.06	16,128	16,737	201.58	16,486	25,217
201.07	16,135	16,899	201.59	16,493	25,382
201.08	16,142	17,060	201.60	16,500	25,547
201.09	16,149	17,222	201.61	16,507	25,712
201.10	16,156	17,383	201.62	16,514	25,877
201.11	16,163	17,545	201.63	16,520	26,042
201.12	16,170	17,706	201.64	16,527	26,208
201.13	16,176	17,868	201.65	16,534	26,373
201.14	16,183	18,030	201.66	16,541	26,538
201.15	16,190	18,192	201.67	16,548	26,704
201.16	16,197	18,354	201.68	16,555	26,869
201.17	16,204	18,516	201.69	16,562	27,035
201.18	16,211	18,678	201.70	16,569	27,200
201.19	16,218	18,840	201.71	16,575	27,366
201.20	16,225	19,002	201.72	16,582	27,532
201.21	16,231	19,164	201.73	16,589	27,698
201.22	16,238	19,327	201.74	16,596	27,864
201.23	16,245	19,489	201.75	16,603	28,030
201.24	16,252	19,652	201.76	16,610	28,196
201.25	16,259	19,814	201.77	16,617	28,362
201.26	16,266	19,977	201.78	16,624	28,528
201.27	16,273	20,140	201.79	16,631	28,694
201.28	16,280	20,302	201.80	16,637	28,861
201.29	16,287	20,465	201.81	16,644	29,027
201.30	16,293	20,628	201.82	16,651	29,194
201.31	16,300	20,791	201.83	16,658	29,360
201.32	16,307	20,954	201.84	16,665	29,527
201.33	16,314	21,117	201.85	16,672	29,693
201.34	16,321	21,280	201.86	16,679	29,860
201.35	16,328	21,444	201.87	16,686	30,027
201.36	16,335	21,607	201.88	16,692	30,194
201.37	16,342	21,770	201.89	16,699	30,361
201.38	16,348	21,934	201.90	16,706	30,528
201.39	16,355	22,097	201.91	16,713	30,695
201.40	16,362	22,261	201.92	16,720	30,862
201.41	16,369	22,424	201.93	16,727	31,029
201.42	16,376	22,588	201.94	16,734	31,197
201.43	16,383	22,752	201.95	16,741	31,364
201.44	16,390	22,916	201.96	16,747	31,532
201.45	16,397	23,080	201.97	16,754	31,699
201.46	16,403	23,244	201.98	16,761	31,867
201.47	16,410	23,408	201.99	16,768	32,034
201.48	16,417	23,572	202.00	16,775	32,202
201.49	16,424	23,736	202.01	16,782	32,370
201.50	16,431	23,901	202.02	16,789	32,538
201.51	16,438	24,065	202.03	16,796	32,706
201.52	16,445	24,229	202.04	16,803	32,874
201.53	16,452	24,394	202.05	16,810	33,042
201.54	16,459	24,558	202.06	16,817	33,210
201.55	16,465	24,723	202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427
203.13	17,562	51,602
203.14	17,569	51,778
203.15	17,576	51,953
203.16	17,583	52,129
203.17	17,589	52,305
203.18	17,596	52,481
203.19	17,603	52,657
203.20	17,610	52,833
203.21	17,617	53,009
203.22	17,624	53,185
203.23	17,631	53,362
203.24	17,638	53,538
203.25	17,645	53,715
203.26	17,652	53,891
203.27	17,659	54,068
203.28	17,666	54,244
203.29	17,673	54,421
203.30	17,680	54,598
203.31	17,687	54,775
203.32	17,694	54,951
203.33	17,701	55,128
203.34	17,708	55,305
203.35	17,715	55,483
203.36	17,722	55,660
203.37	17,729	55,837
203.38	17,736	56,014
203.39	17,743	56,192
203.40	17,750	56,369
203.41	17,757	56,547
203.42	17,764	56,724
203.43	17,771	56,902
203.44	17,778	57,080
203.45	17,785	57,258
203.46	17,792	57,435
203.47	17,799	57,613
203.48	17,806	57,791
203.49	17,813	57,969
203.50	17,820	58,148
203.51	17,826	58,326
203.52	17,833	58,504
203.53	17,840	58,683
203.54	17,847	58,861
203.55	17,854	59,039
203.56	17,861	59,218
203.57	17,868	59,397
203.58	17,875	59,575
203.59	17,882	59,754
203.60	17,889	59,933
203.61	17,896	60,112
203.62	17,903	60,291
203.63	17,910	60,470
203.64	17,917	60,649
203.65	17,924	60,828
203.66	17,931	61,008
203.67	17,938	61,187
203.68	17,945	61,366
203.69	17,952	61,546
203.70	17,959	61,725
203.71	17,966	61,905
203.72	17,973	62,085
203.73	17,980	62,265
203.74	17,987	62,444
203.75	17,994	62,624
203.76	18,001	62,804
203.77	18,008	62,984
203.78	18,015	63,164
203.79	18,022	63,345
203.80	18,029	63,525
203.81	18,036	63,705
203.82	18,043	63,886
203.83	18,050	64,066
203.84	18,056	64,247
203.85	18,063	64,427
203.86	18,070	64,608
203.87	18,077	64,789
203.88	18,084	64,969
203.89	18,091	65,150
203.90	18,098	65,331
203.91	18,105	65,512
203.92	18,112	65,693
203.93	18,119	65,874
203.94	18,126	66,056
203.95	18,133	66,237
203.96	18,140	66,418
203.97	18,147	66,600
203.98	18,154	66,781
203.99	18,161	66,963
204.00	18,168	67,145
204.01	18,178	67,326
204.02	18,188	67,508
204.03	18,197	67,690
204.04	18,207	67,872
204.05	18,217	68,054
204.06	18,227	68,236
204.07	18,236	68,419
204.08	18,246	68,601
204.09	18,256	68,784
204.10	18,266	68,966
204.11	18,275	69,149
204.12	18,285	69,332
204.13	18,295	69,515
204.14	18,305	69,698
204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064	204.68	18,832	79,725
204.17	18,334	70,247	204.69	18,842	79,913
204.18	18,344	70,431	204.70	18,852	80,101
204.19	18,354	70,614	204.71	18,862	80,290
204.20	18,363	70,798	204.72	18,871	80,479
204.21	18,373	70,981	204.73	18,881	80,667
204.22	18,383	71,165	204.74	18,891	80,856
204.23	18,393	71,349	204.75	18,901	81,045
204.24	18,402	71,533	204.76	18,911	81,234
204.25	18,412	71,717	204.77	18,920	81,423
204.26	18,422	71,901	204.78	18,930	81,613
204.27	18,432	72,085	204.79	18,940	81,802
204.28	18,442	72,270	204.80	18,950	81,992
204.29	18,451	72,454	204.81	18,959	82,181
204.30	18,461	72,639	204.82	18,969	82,371
204.31	18,471	72,824	204.83	18,979	82,560
204.32	18,481	73,008	204.84	18,989	82,750
204.33	18,490	73,193	204.85	18,998	82,940
204.34	18,500	73,378	204.86	19,008	83,130
204.35	18,510	73,563	204.87	19,018	83,320
204.36	18,520	73,748	204.88	19,028	83,511
204.37	18,529	73,934	204.89	19,038	83,701
204.38	18,539	74,119	204.90	19,047	83,891
204.39	18,549	74,304	204.91	19,057	84,082
204.40	18,559	74,490	204.92	19,067	84,273
204.41	18,569	74,675	204.93	19,077	84,463
204.42	18,578	74,861	204.94	19,086	84,654
204.43	18,588	75,047	204.95	19,096	84,845
204.44	18,598	75,233	204.96	19,106	85,036
204.45	18,608	75,419	204.97	19,116	85,227
204.46	18,617	75,605	204.98	19,125	85,418
204.47	18,627	75,791	204.99	19,135	85,610
204.48	18,637	75,978	205.00	19,145	85,801
204.49	18,647	76,164	205.01	19,155	85,992
204.50	18,657	76,351	205.02	19,164	86,184
204.51	18,666	76,537	205.03	19,174	86,376
204.52	18,676	76,724	205.04	19,183	86,568
204.53	18,686	76,911	205.05	19,193	86,759
204.54	18,696	77,098	205.06	19,202	86,951
204.55	18,705	77,285	205.07	19,212	87,143
204.56	18,715	77,472	205.08	19,222	87,336
204.57	18,725	77,659	205.09	19,231	87,528
204.58	18,735	77,846	205.10	19,241	87,720
204.59	18,744	78,034	205.11	19,250	87,913
204.60	18,754	78,221	205.12	19,260	88,105
204.61	18,764	78,409	205.13	19,270	88,298
204.62	18,774	78,596	205.14	19,279	88,491
204.63	18,784	78,784	205.15	19,289	88,684
204.64	18,793	78,972	205.16	19,298	88,876
204.65	18,803	79,160	205.17	19,308	89,069
204.66	18,813	79,348	205.18	19,317	89,263
204.67	18,823	79,536	205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 2.29" for Current 2 yr event
Inflow = 3.59 cfs @ 12.08 hrs, Volume= 0.227 af
Outflow = 0.12 cfs @ 14.47 hrs, Volume= 0.156 af, Atten= 97%, Lag= 143.3 min
Primary = 0.12 cfs @ 14.47 hrs, Volume= 0.156 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.18' @ 14.47 hrs Surf.Area= 6,189 sf Storage= 6,851 cf

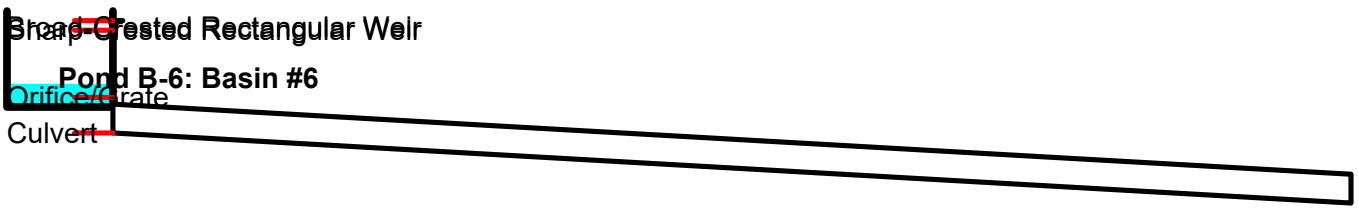
Plug-Flow detention time= 586.4 min calculated for 0.156 af (69% of inflow)
Center-of-Mass det. time= 484.8 min (1,259.5 - 774.7)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

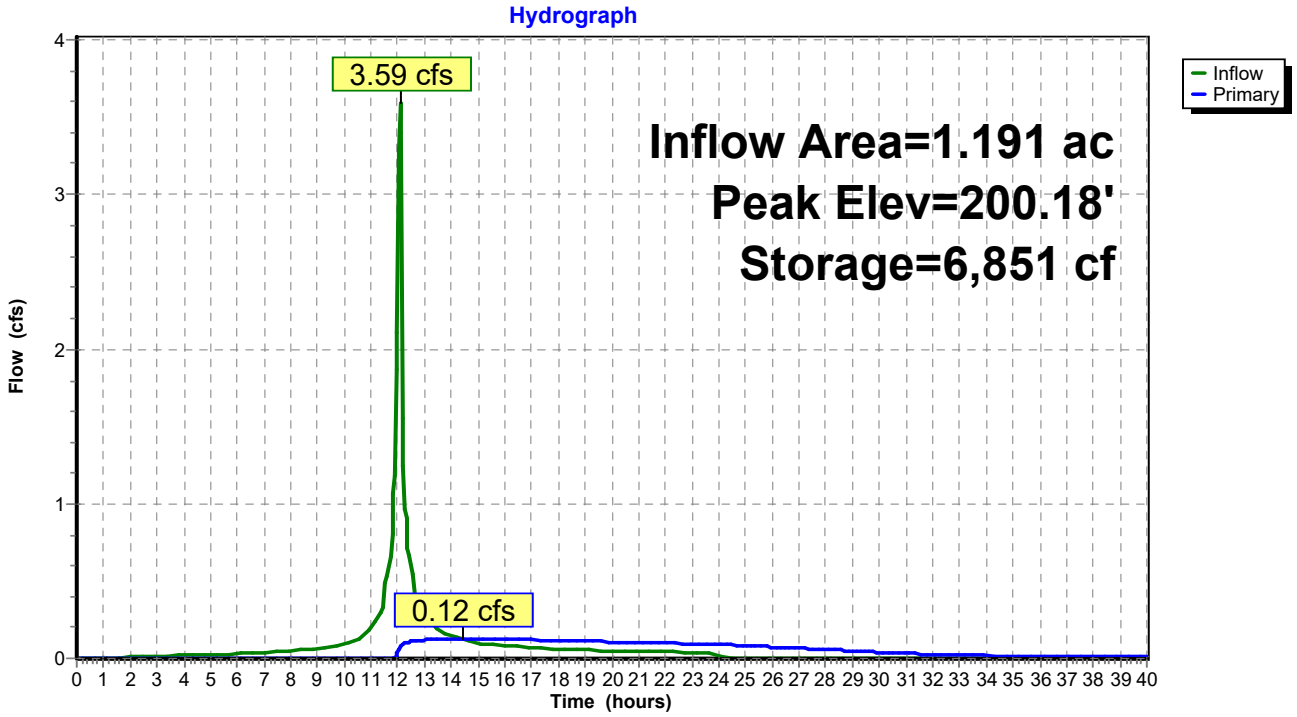
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.12 cfs @ 14.47 hrs HW=200.18' (Free Discharge)
- **1=Culvert** (Passes 0.12 cfs of 8.52 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.12 cfs @ 3.67 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	0	199.00	0.00
1.00	0.00	0	199.00	0.00
1.10	0.00	0	199.00	0.00
1.20	0.00	0	199.00	0.00
1.30	0.00	0	199.00	0.00
1.40	0.00	1	199.00	0.00
1.50	0.00	2	199.00	0.00
1.60	0.00	4	199.00	0.00
1.70	0.01	5	199.00	0.00
1.80	0.01	7	199.00	0.00
1.90	0.01	10	199.00	0.00
2.00	0.01	12	199.00	0.00
2.10	0.01	15	199.00	0.00
2.20	0.01	18	199.00	0.00
2.30	0.01	21	199.00	0.00
2.40	0.01	25	199.00	0.00
2.50	0.01	29	199.01	0.00
2.60	0.01	33	199.01	0.00
2.70	0.01	38	199.01	0.00
2.80	0.01	42	199.01	0.00
2.90	0.01	47	199.01	0.00
3.00	0.01	52	199.01	0.00
3.10	0.02	57	199.01	0.00
3.20	0.02	63	199.01	0.00
3.30	0.02	69	199.01	0.00
3.40	0.02	75	199.01	0.00
3.50	0.02	81	199.01	0.00
3.60	0.02	87	199.02	0.00
3.70	0.02	94	199.02	0.00
3.80	0.02	101	199.02	0.00
3.90	0.02	108	199.02	0.00
4.00	0.02	115	199.02	0.00
4.10	0.02	122	199.02	0.00
4.20	0.02	130	199.02	0.00
4.30	0.02	137	199.03	0.00
4.40	0.02	145	199.03	0.00
4.50	0.02	153	199.03	0.00
4.60	0.02	162	199.03	0.00
4.70	0.02	170	199.03	0.00
4.80	0.02	178	199.03	0.00
4.90	0.02	187	199.03	0.00
5.00	0.02	196	199.04	0.00
5.10	0.03	205	199.04	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	214	199.04	0.00
5.30	0.03	224	199.04	0.00
5.40	0.03	233	199.04	0.00
5.50	0.03	243	199.04	0.00
5.60	0.03	253	199.05	0.00
5.70	0.03	263	199.05	0.00
5.80	0.03	273	199.05	0.00
5.90	0.03	283	199.05	0.00
6.00	0.03	294	199.05	0.00
6.10	0.03	304	199.06	0.00
6.20	0.03	315	199.06	0.00
6.30	0.03	327	199.06	0.00
6.40	0.03	339	199.06	0.00
6.50	0.03	351	199.06	0.00
6.60	0.03	363	199.07	0.00
6.70	0.04	376	199.07	0.00
6.80	0.04	389	199.07	0.00
6.90	0.04	403	199.07	0.00
7.00	0.04	416	199.08	0.00
7.10	0.04	431	199.08	0.00
7.20	0.04	445	199.08	0.00
7.30	0.04	460	199.08	0.00
7.40	0.04	476	199.09	0.00
7.50	0.04	491	199.09	0.00
7.60	0.04	507	199.09	0.00
7.70	0.05	524	199.10	0.00
7.80	0.05	540	199.10	0.00
7.90	0.05	558	199.10	0.00
8.00	0.05	575	199.11	0.00
8.10	0.05	593	199.11	0.00
8.20	0.05	611	199.11	0.00
8.30	0.05	630	199.12	0.00
8.40	0.05	649	199.12	0.00
8.50	0.05	668	199.12	0.00
8.60	0.06	688	199.13	0.00
8.70	0.06	708	199.13	0.00
8.80	0.06	728	199.13	0.00
8.90	0.06	749	199.14	0.00
9.00	0.06	770	199.14	0.00
9.10	0.06	793	199.15	0.00
9.20	0.07	816	199.15	0.00
9.30	0.07	841	199.15	0.00
9.40	0.07	867	199.16	0.00
9.50	0.08	894	199.16	0.00
9.60	0.08	922	199.17	0.00
9.70	0.08	952	199.17	0.00
9.80	0.09	982	199.18	0.00
9.90	0.09	1,015	199.19	0.00
10.00	0.09	1,048	199.19	0.00
10.10	0.10	1,083	199.20	0.00
10.20	0.10	1,119	199.20	0.00
10.30	0.10	1,156	199.21	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.11	1,194	199.22	0.00
10.50	0.11	1,234	199.23	0.00
10.60	0.13	1,278	199.23	0.00
10.70	0.14	1,326	199.24	0.00
10.80	0.15	1,380	199.25	0.00
10.90	0.17	1,439	199.26	0.00
11.00	0.19	1,504	199.27	0.00
11.10	0.21	1,577	199.29	0.00
11.20	0.24	1,661	199.30	0.00
11.30	0.27	1,755	199.32	0.00
11.40	0.30	1,860	199.34	0.00
11.50	0.34	1,975	199.36	0.00
11.60	0.52	2,141	199.39	0.00
11.70	0.57	2,337	199.42	0.00
11.80	0.80	2,595	199.47	0.00
11.90	1.18	2,965	199.53	0.00
12.00	2.11	3,593	199.64	0.03
12.10	**3.40**	4,662	199.82	0.08
12.20	1.25	5,329	199.93	0.09
12.30	0.91	5,662	199.99	0.10
12.40	0.68	5,896	200.03	0.11
12.50	0.64	6,093	200.06	0.11
12.60	0.42	6,229	200.08	0.11
12.70	0.40	6,333	200.10	0.12
12.80	0.36	6,426	200.11	0.12
12.90	0.33	6,505	200.13	0.12
13.00	0.29	6,572	200.14	0.12
13.10	0.26	6,626	200.15	0.12
13.20	0.24	6,672	200.15	0.12
13.30	0.22	6,710	200.16	0.12
13.40	0.20	6,742	200.17	0.12
13.50	0.19	6,767	200.17	0.12
13.60	0.17	6,785	200.17	0.12
13.70	0.16	6,799	200.18	0.12
13.80	0.16	6,812	200.18	0.12
13.90	0.15	6,823	200.18	0.12
14.00	0.15	6,832	200.18	0.12
14.10	0.14	6,839	200.18	0.12
14.20	0.14	6,845	200.18	0.12
14.30	0.13	6,849	200.18	0.12
14.40	0.13	**6,851**	**200.18**	**0.12**
14.50	0.12	**6,851**	**200.18**	**0.12**
14.60	0.12	6,849	200.18	0.12
14.70	0.11	6,846	200.18	0.12
14.80	0.11	6,841	200.18	0.12
14.90	0.10	6,834	200.18	0.12
15.00	0.10	6,826	200.18	0.12
15.10	0.09	6,815	200.18	0.12
15.20	0.09	6,804	200.18	0.12
15.30	0.09	6,793	200.17	0.12
15.40	0.09	6,781	200.17	0.12
15.50	0.09	6,769	200.17	0.12

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.09	6,756	200.17	0.12
15.70	0.09	6,743	200.17	0.12
15.80	0.09	6,730	200.16	0.12
15.90	0.08	6,716	200.16	0.12
16.00	0.08	6,702	200.16	0.12
16.10	0.08	6,687	200.16	0.12
16.20	0.08	6,673	200.16	0.12
16.30	0.08	6,657	200.15	0.12
16.40	0.08	6,642	200.15	0.12
16.50	0.08	6,626	200.15	0.12
16.60	0.08	6,609	200.14	0.12
16.70	0.07	6,592	200.14	0.12
16.80	0.07	6,575	200.14	0.12
16.90	0.07	6,558	200.14	0.12
17.00	0.07	6,540	200.13	0.12
17.10	0.07	6,522	200.13	0.12
17.20	0.07	6,503	200.13	0.12
17.30	0.07	6,484	200.12	0.12
17.40	0.06	6,465	200.12	0.12
17.50	0.06	6,446	200.12	0.12
17.60	0.06	6,426	200.11	0.12
17.70	0.06	6,405	200.11	0.12
17.80	0.06	6,385	200.11	0.12
17.90	0.06	6,364	200.10	0.12
18.00	0.06	6,343	200.10	0.12
18.10	0.06	6,321	200.10	0.12
18.20	0.05	6,299	200.09	0.11
18.30	0.05	6,278	200.09	0.11
18.40	0.05	6,256	200.09	0.11
18.50	0.05	6,234	200.08	0.11
18.60	0.05	6,213	200.08	0.11
18.70	0.05	6,191	200.08	0.11
18.80	0.05	6,170	200.07	0.11
18.90	0.05	6,148	200.07	0.11
19.00	0.05	6,127	200.07	0.11
19.10	0.05	6,105	200.06	0.11
19.20	0.05	6,084	200.06	0.11
19.30	0.05	6,063	200.06	0.11
19.40	0.05	6,041	200.05	0.11
19.50	0.05	6,020	200.05	0.11
19.60	0.05	5,999	200.05	0.11
19.70	0.05	5,978	200.04	0.11
19.80	0.05	5,957	200.04	0.11
19.90	0.05	5,936	200.03	0.11
20.00	0.05	5,915	200.03	0.11
20.10	0.05	5,893	200.03	0.11
20.20	0.05	5,872	200.02	0.11
20.30	0.05	5,852	200.02	0.11
20.40	0.05	5,831	200.02	0.11
20.50	0.05	5,810	200.01	0.11
20.60	0.05	5,789	200.01	0.10
20.70	0.05	5,768	200.01	0.10

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	5,747	200.00	0.10
20.90	0.05	5,727	200.00	0.10
21.00	0.05	5,706	200.00	0.10
21.10	0.05	5,685	199.99	0.10
21.20	0.04	5,665	199.99	0.10
21.30	0.04	5,644	199.99	0.10
21.40	0.04	5,624	199.98	0.10
21.50	0.04	5,603	199.98	0.10
21.60	0.04	5,583	199.98	0.10
21.70	0.04	5,562	199.97	0.10
21.80	0.04	5,542	199.97	0.10
21.90	0.04	5,522	199.97	0.10
22.00	0.04	5,502	199.96	0.10
22.10	0.04	5,481	199.96	0.10
22.20	0.04	5,461	199.96	0.10
22.30	0.04	5,441	199.95	0.10
22.40	0.04	5,421	199.95	0.10
22.50	0.04	5,401	199.95	0.10
22.60	0.04	5,381	199.94	0.10
22.70	0.04	5,361	199.94	0.10
22.80	0.04	5,341	199.94	0.09
22.90	0.04	5,322	199.93	0.09
23.00	0.04	5,302	199.93	0.09
23.10	0.04	5,282	199.93	0.09
23.20	0.04	5,262	199.92	0.09
23.30	0.04	5,243	199.92	0.09
23.40	0.04	5,223	199.92	0.09
23.50	0.04	5,204	199.91	0.09
23.60	0.04	5,184	199.91	0.09
23.70	0.04	5,165	199.91	0.09
23.80	0.04	5,146	199.90	0.09
23.90	0.04	5,126	199.90	0.09
24.00	0.04	5,109	199.90	0.09
24.10	0.00	5,082	199.89	0.09
24.20	0.00	5,050	199.89	0.09
24.30	0.00	5,019	199.88	0.09
24.40	0.00	4,988	199.88	0.09
24.50	0.00	4,957	199.87	0.08
24.60	0.00	4,927	199.87	0.08
24.70	0.00	4,897	199.86	0.08
24.80	0.00	4,867	199.86	0.08
24.90	0.00	4,837	199.85	0.08
25.00	0.00	4,808	199.85	0.08
25.10	0.00	4,779	199.84	0.08
25.20	0.00	4,750	199.84	0.08
25.30	0.00	4,722	199.83	0.08
25.40	0.00	4,694	199.83	0.08
25.50	0.00	4,666	199.82	0.08
25.60	0.00	4,638	199.82	0.08
25.70	0.00	4,611	199.81	0.08
25.80	0.00	4,584	199.81	0.07
25.90	0.00	4,558	199.81	0.07

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,531	199.80	0.07
26.10	0.00	4,505	199.80	0.07
26.20	0.00	4,480	199.79	0.07
26.30	0.00	4,454	199.79	0.07
26.40	0.00	4,429	199.78	0.07
26.50	0.00	4,404	199.78	0.07
26.60	0.00	4,380	199.78	0.07
26.70	0.00	4,355	199.77	0.07
26.80	0.00	4,332	199.77	0.07
26.90	0.00	4,308	199.76	0.07
27.00	0.00	4,285	199.76	0.06
27.10	0.00	4,261	199.76	0.06
27.20	0.00	4,239	199.75	0.06
27.30	0.00	4,216	199.75	0.06
27.40	0.00	4,194	199.74	0.06
27.50	0.00	4,172	199.74	0.06
27.60	0.00	4,150	199.74	0.06
27.70	0.00	4,129	199.73	0.06
27.80	0.00	4,108	199.73	0.06
27.90	0.00	4,087	199.73	0.06
28.00	0.00	4,067	199.72	0.06
28.10	0.00	4,047	199.72	0.06
28.20	0.00	4,027	199.72	0.05
28.30	0.00	4,007	199.71	0.05
28.40	0.00	3,988	199.71	0.05
28.50	0.00	3,969	199.71	0.05
28.60	0.00	3,950	199.70	0.05
28.70	0.00	3,932	199.70	0.05
28.80	0.00	3,914	199.70	0.05
28.90	0.00	3,896	199.69	0.05
29.00	0.00	3,879	199.69	0.05
29.10	0.00	3,861	199.69	0.05
29.20	0.00	3,845	199.68	0.05
29.30	0.00	3,828	199.68	0.05
29.40	0.00	3,812	199.68	0.04
29.50	0.00	3,797	199.68	0.04
29.60	0.00	3,781	199.67	0.04
29.70	0.00	3,766	199.67	0.04
29.80	0.00	3,751	199.67	0.04
29.90	0.00	3,737	199.67	0.04
30.00	0.00	3,723	199.66	0.04
30.10	0.00	3,709	199.66	0.04
30.20	0.00	3,695	199.66	0.04
30.30	0.00	3,682	199.66	0.04
30.40	0.00	3,669	199.65	0.04
30.50	0.00	3,656	199.65	0.04
30.60	0.00	3,643	199.65	0.03
30.70	0.00	3,631	199.65	0.03
30.80	0.00	3,619	199.65	0.03
30.90	0.00	3,607	199.64	0.03
31.00	0.00	3,595	199.64	0.03
31.10	0.00	3,584	199.64	0.03

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,573	199.64	0.03
31.30	0.00	3,562	199.64	0.03
31.40	0.00	3,552	199.63	0.03
31.50	0.00	3,541	199.63	0.03
31.60	0.00	3,531	199.63	0.03
31.70	0.00	3,521	199.63	0.03
31.80	0.00	3,511	199.63	0.03
31.90	0.00	3,502	199.63	0.03
32.00	0.00	3,493	199.62	0.03
32.10	0.00	3,483	199.62	0.03
32.20	0.00	3,475	199.62	0.02
32.30	0.00	3,466	199.62	0.02
32.40	0.00	3,457	199.62	0.02
32.50	0.00	3,449	199.62	0.02
32.60	0.00	3,441	199.61	0.02
32.70	0.00	3,433	199.61	0.02
32.80	0.00	3,425	199.61	0.02
32.90	0.00	3,417	199.61	0.02
33.00	0.00	3,409	199.61	0.02
33.10	0.00	3,402	199.61	0.02
33.20	0.00	3,395	199.61	0.02
33.30	0.00	3,388	199.61	0.02
33.40	0.00	3,381	199.60	0.02
33.50	0.00	3,374	199.60	0.02
33.60	0.00	3,368	199.60	0.02
33.70	0.00	3,361	199.60	0.02
33.80	0.00	3,355	199.60	0.02
33.90	0.00	3,348	199.60	0.02
34.00	0.00	3,342	199.60	0.02
34.10	0.00	3,336	199.60	0.02
34.20	0.00	3,330	199.60	0.02
34.30	0.00	3,325	199.59	0.02
34.40	0.00	3,319	199.59	0.02
34.50	0.00	3,313	199.59	0.02
34.60	0.00	3,308	199.59	0.02
34.70	0.00	3,302	199.59	0.02
34.80	0.00	3,297	199.59	0.01
34.90	0.00	3,291	199.59	0.01
35.00	0.00	3,286	199.59	0.01
35.10	0.00	3,281	199.59	0.01
35.20	0.00	3,276	199.59	0.01
35.30	0.00	3,271	199.59	0.01
35.40	0.00	3,266	199.58	0.01
35.50	0.00	3,261	199.58	0.01
35.60	0.00	3,256	199.58	0.01
35.70	0.00	3,252	199.58	0.01
35.80	0.00	3,247	199.58	0.01
35.90	0.00	3,242	199.58	0.01
36.00	0.00	3,238	199.58	0.01
36.10	0.00	3,234	199.58	0.01
36.20	0.00	3,229	199.58	0.01
36.30	0.00	3,225	199.58	0.01

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,221	199.58	0.01
36.50	0.00	3,217	199.58	0.01
36.60	0.00	3,213	199.58	0.01
36.70	0.00	3,209	199.57	0.01
36.80	0.00	3,205	199.57	0.01
36.90	0.00	3,201	199.57	0.01
37.00	0.00	3,197	199.57	0.01
37.10	0.00	3,193	199.57	0.01
37.20	0.00	3,189	199.57	0.01
37.30	0.00	3,186	199.57	0.01
37.40	0.00	3,182	199.57	0.01
37.50	0.00	3,179	199.57	0.01
37.60	0.00	3,175	199.57	0.01
37.70	0.00	3,172	199.57	0.01
37.80	0.00	3,168	199.57	0.01
37.90	0.00	3,165	199.57	0.01
38.00	0.00	3,162	199.57	0.01
38.10	0.00	3,159	199.57	0.01
38.20	0.00	3,155	199.57	0.01
38.30	0.00	3,152	199.57	0.01
38.40	0.00	3,149	199.56	0.01
38.50	0.00	3,146	199.56	0.01
38.60	0.00	3,143	199.56	0.01
38.70	0.00	3,140	199.56	0.01
38.80	0.00	3,137	199.56	0.01
38.90	0.00	3,135	199.56	0.01
39.00	0.00	3,132	199.56	0.01
39.10	0.00	3,129	199.56	0.01
39.20	0.00	3,126	199.56	0.01
39.30	0.00	3,124	199.56	0.01
39.40	0.00	3,121	199.56	0.01
39.50	0.00	3,118	199.56	0.01
39.60	0.00	3,116	199.56	0.01
39.70	0.00	3,113	199.56	0.01
39.80	0.00	3,111	199.56	0.01
39.90	0.00	3,109	199.56	0.01
40.00	0.00	3,106	199.56	0.01

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678	201.60	7,198	16,323
201.09	6,827	12,746	201.61	7,206	16,395
201.10	6,834	12,815	201.62	7,213	16,467
201.11	6,841	12,883	201.63	7,220	16,539
201.12	6,848	12,952	201.64	7,228	16,611
201.13	6,856	13,020	201.65	7,235	16,684
201.14	6,863	13,089	201.66	7,242	16,756
201.15	6,870	13,157	201.67	7,249	16,828
201.16	6,878	13,226	201.68	7,257	16,901
201.17	6,885	13,295	201.69	7,264	16,974
201.18	6,892	13,364	201.70	7,271	17,046
201.19	6,900	13,433	201.71	7,279	17,119
201.20	6,907	13,502	201.72	7,286	17,192
201.21	6,914	13,571	201.73	7,293	17,265
201.22	6,921	13,640	201.74	7,300	17,338
201.23	6,929	13,709	201.75	7,308	17,411
201.24	6,936	13,779	201.76	7,315	17,484
201.25	6,943	13,848	201.77	7,322	17,557
201.26	6,951	13,918	201.78	7,330	17,630
201.27	6,958	13,987	201.79	7,337	17,704
201.28	6,965	14,057	201.80	7,344	17,777
201.29	6,972	14,126	201.81	7,351	17,851
201.30	6,980	14,196	201.82	7,359	17,924
201.31	6,987	14,266	201.83	7,366	17,998
201.32	6,994	14,336	201.84	7,373	18,071
201.33	7,002	14,406	201.85	7,381	18,145
201.34	7,009	14,476	201.86	7,388	18,219
201.35	7,016	14,546	201.87	7,395	18,293
201.36	7,023	14,616	201.88	7,403	18,367
201.37	7,031	14,686	201.89	7,410	18,441
201.38	7,038	14,757	201.90	7,417	18,515
201.39	7,045	14,827	201.91	7,424	18,589
201.40	7,053	14,898	201.92	7,432	18,664
201.41	7,060	14,968	201.93	7,439	18,738
201.42	7,067	15,039	201.94	7,446	18,812
201.43	7,074	15,110	201.95	7,454	18,887
201.44	7,082	15,180	201.96	7,461	18,961
201.45	7,089	15,251	201.97	7,468	19,036
201.46	7,096	15,322	201.98	7,475	19,111
201.47	7,104	15,393	201.99	7,483	19,186
201.48	7,111	15,464	202.00	7,490	19,261
201.49	7,118	15,535	202.01	7,498	19,335
201.50	7,126	15,607	202.02	7,505	19,410
201.51	7,133	15,678	202.03	7,513	19,486
201.52	7,140	15,749	202.04	7,520	19,561
201.53	7,147	15,821	202.05	7,528	19,636
201.54	7,155	15,892	202.06	7,535	19,711
201.55	7,162	15,964	202.07	7,543	19,787
201.56	7,169	16,035	202.08	7,551	19,862
201.57	7,177	16,107	202.09	7,558	19,938
201.58	7,184	16,179	202.10	7,566	20,013
201.59	7,191	16,251	202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 2.38" for Current 2 yr event
Inflow = 4.79 cfs @ 12.06 hrs, Volume= 0.310 af
Outflow = 0.12 cfs @ 15.35 hrs, Volume= 0.197 af, Atten= 97%, Lag= 197.2 min
Primary = 0.12 cfs @ 15.35 hrs, Volume= 0.197 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 208.10' @ 15.35 hrs Surf.Area= 9,366 sf Storage= 9,895 cf

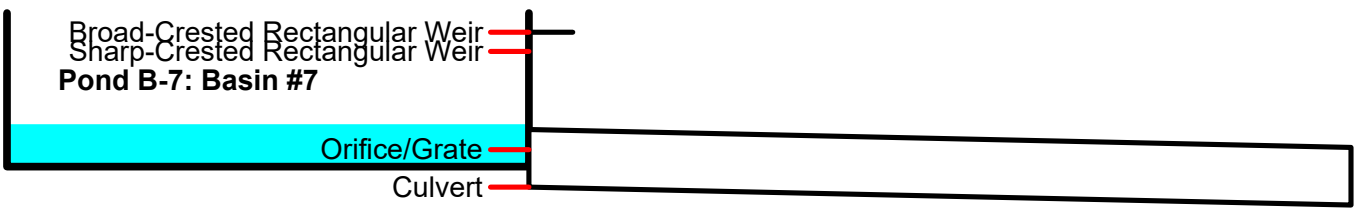
Plug-Flow detention time= 725.6 min calculated for 0.197 af (63% of inflow)
Center-of-Mass det. time= 617.2 min (1,388.1 - 770.9)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

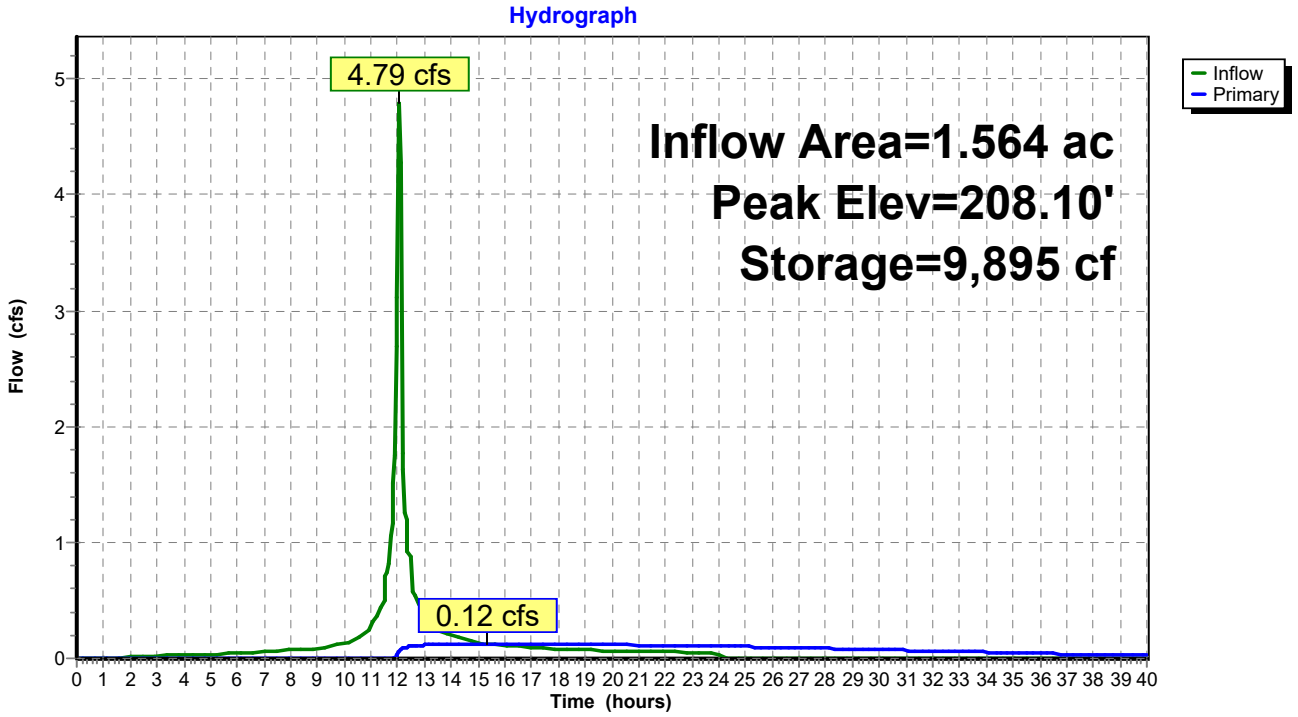
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.12 cfs @ 15.35 hrs HW=208.10' (Free Discharge)
- **1=Culvert** (Passes 0.12 cfs of 6.88 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.12 cfs @ 3.58 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	0.00
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.00	0	207.00	0.00
0.50	0.00	0	207.00	0.00
0.60	0.00	0	207.00	0.00
0.70	0.00	0	207.00	0.00
0.80	0.00	0	207.00	0.00
0.90	0.00	0	207.00	0.00
1.00	0.00	0	207.00	0.00
1.10	0.00	0	207.00	0.00
1.20	0.00	0	207.00	0.00
1.30	0.00	1	207.00	0.00
1.40	0.00	2	207.00	0.00
1.50	0.00	3	207.00	0.00
1.60	0.01	5	207.00	0.00
1.70	0.01	8	207.00	0.00
1.80	0.01	11	207.00	0.00
1.90	0.01	14	207.00	0.00
2.00	0.01	18	207.00	0.00
2.10	0.01	22	207.00	0.00
2.20	0.01	26	207.00	0.00
2.30	0.01	31	207.00	0.00
2.40	0.01	36	207.00	0.00
2.50	0.02	42	207.00	0.00
2.60	0.02	48	207.01	0.00
2.70	0.02	54	207.01	0.00
2.80	0.02	60	207.01	0.00
2.90	0.02	67	207.01	0.00
3.00	0.02	75	207.01	0.00
3.10	0.02	82	207.01	0.00
3.20	0.02	90	207.01	0.00
3.30	0.02	98	207.01	0.00
3.40	0.02	107	207.01	0.00
3.50	0.02	116	207.01	0.00
3.60	0.03	125	207.01	0.00
3.70	0.03	134	207.02	0.00
3.80	0.03	144	207.02	0.00
3.90	0.03	153	207.02	0.00
4.00	0.03	164	207.02	0.00
4.10	0.03	174	207.02	0.00
4.20	0.03	185	207.02	0.00
4.30	0.03	196	207.02	0.00
4.40	0.03	207	207.02	0.00
4.50	0.03	218	207.03	0.00
4.60	0.03	230	207.03	0.00
4.70	0.03	242	207.03	0.00
4.80	0.03	254	207.03	0.00
4.90	0.03	267	207.03	0.00
5.00	0.04	279	207.03	0.00
5.10	0.04	292	207.03	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	305	207.04	0.00
5.30	0.04	318	207.04	0.00
5.40	0.04	332	207.04	0.00
5.50	0.04	346	207.04	0.00
5.60	0.04	360	207.04	0.00
5.70	0.04	374	207.04	0.00
5.80	0.04	388	207.04	0.00
5.90	0.04	403	207.05	0.00
6.00	0.04	418	207.05	0.00
6.10	0.04	433	207.05	0.00
6.20	0.04	449	207.05	0.00
6.30	0.05	465	207.05	0.00
6.40	0.05	481	207.06	0.00
6.50	0.05	499	207.06	0.00
6.60	0.05	516	207.06	0.00
6.70	0.05	535	207.06	0.00
6.80	0.05	553	207.06	0.00
6.90	0.05	572	207.07	0.00
7.00	0.06	592	207.07	0.00
7.10	0.06	612	207.07	0.00
7.20	0.06	633	207.07	0.00
7.30	0.06	654	207.07	0.00
7.40	0.06	676	207.08	0.00
7.50	0.06	698	207.08	0.00
7.60	0.06	721	207.08	0.00
7.70	0.07	744	207.09	0.00
7.80	0.07	768	207.09	0.00
7.90	0.07	792	207.09	0.00
8.00	0.07	817	207.09	0.00
8.10	0.07	843	207.10	0.00
8.20	0.07	869	207.10	0.00
8.30	0.07	895	207.10	0.00
8.40	0.08	922	207.11	0.00
8.50	0.08	949	207.11	0.00
8.60	0.08	977	207.11	0.00
8.70	0.08	1,006	207.12	0.00
8.80	0.08	1,035	207.12	0.00
8.90	0.08	1,064	207.12	0.00
9.00	0.08	1,095	207.13	0.00
9.10	0.09	1,126	207.13	0.00
9.20	0.09	1,160	207.13	0.00
9.30	0.10	1,195	207.14	0.00
9.40	0.10	1,231	207.14	0.00
9.50	0.11	1,270	207.15	0.00
9.60	0.11	1,310	207.15	0.00
9.70	0.12	1,353	207.15	0.00
9.80	0.12	1,396	207.16	0.00
9.90	0.13	1,442	207.16	0.00
10.00	0.13	1,490	207.17	0.00
10.10	0.14	1,539	207.18	0.00
10.20	0.14	1,590	207.18	0.00
10.30	0.15	1,643	207.19	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,698	207.19	0.00
10.50	0.16	1,754	207.20	0.00
10.60	0.18	1,817	207.21	0.00
10.70	0.20	1,886	207.22	0.00
10.80	0.22	1,963	207.22	0.00
10.90	0.24	2,047	207.23	0.00
11.00	0.27	2,139	207.24	0.00
11.10	0.30	2,244	207.26	0.00
11.20	0.34	2,363	207.27	0.00
11.30	0.39	2,496	207.28	0.00
11.40	0.43	2,644	207.30	0.00
11.50	0.50	2,809	207.32	0.00
11.60	0.73	3,047	207.35	0.00
11.70	0.82	3,324	207.38	0.00
11.80	1.16	3,694	207.42	0.00
11.90	1.75	4,229	207.48	0.00
12.00	**3.11**	5,146	207.58	0.03
12.10	**4.29**	6,640	207.74	0.07
12.20	1.64	7,463	207.83	0.09
12.30	1.19	7,910	207.88	0.10
12.40	0.91	8,231	207.92	0.10
12.50	0.82	8,508	207.95	0.10
12.60	0.56	8,699	207.97	0.11
12.70	0.53	8,855	207.98	0.11
12.80	0.48	8,994	208.00	0.11
12.90	0.44	9,117	208.01	0.11
13.00	0.39	9,222	208.02	0.11
13.10	0.35	9,310	208.03	0.11
13.20	0.32	9,388	208.04	0.12
13.30	0.30	9,456	208.05	0.12
13.40	0.27	9,514	208.05	0.12
13.50	0.25	9,564	208.06	0.12
13.60	0.22	9,604	208.06	0.12
13.70	0.22	9,641	208.07	0.12
13.80	0.21	9,675	208.07	0.12
13.90	0.21	9,707	208.08	0.12
14.00	0.20	9,736	208.08	0.12
14.10	0.19	9,762	208.08	0.12
14.20	0.19	9,786	208.08	0.12
14.30	0.18	9,808	208.09	0.12
14.40	0.17	9,827	208.09	0.12
14.50	0.17	9,844	208.09	0.12
14.60	0.16	9,858	208.09	0.12
14.70	0.15	9,870	208.09	0.12
14.80	0.15	9,879	208.09	0.12
14.90	0.14	9,886	208.09	0.12
15.00	0.13	9,891	208.10	0.12
15.10	0.13	9,893	208.10	0.12
15.20	0.12	9,894	208.10	0.12
15.30	0.12	**9,895**	**208.10**	**0.12**
15.40	0.12	**9,895**	**208.10**	**0.12**
15.50	0.12	9,894	208.10	0.12

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.12	9,893	208.10	0.12
15.70	0.12	9,891	208.10	0.12
15.80	0.11	9,888	208.09	0.12
15.90	0.11	9,885	208.09	0.12
16.00	0.11	9,882	208.09	0.12
16.10	0.11	9,877	208.09	0.12
16.20	0.11	9,872	208.09	0.12
16.30	0.11	9,867	208.09	0.12
16.40	0.10	9,860	208.09	0.12
16.50	0.10	9,853	208.09	0.12
16.60	0.10	9,846	208.09	0.12
16.70	0.10	9,838	208.09	0.12
16.80	0.10	9,829	208.09	0.12
16.90	0.09	9,820	208.09	0.12
17.00	0.09	9,810	208.09	0.12
17.10	0.09	9,800	208.09	0.12
17.20	0.09	9,789	208.08	0.12
17.30	0.09	9,777	208.08	0.12
17.40	0.09	9,765	208.08	0.12
17.50	0.08	9,752	208.08	0.12
17.60	0.08	9,739	208.08	0.12
17.70	0.08	9,725	208.08	0.12
17.80	0.08	9,710	208.08	0.12
17.90	0.08	9,695	208.07	0.12
18.00	0.08	9,680	208.07	0.12
18.10	0.07	9,663	208.07	0.12
18.20	0.07	9,647	208.07	0.12
18.30	0.07	9,630	208.07	0.12
18.40	0.07	9,614	208.07	0.12
18.50	0.07	9,597	208.06	0.12
18.60	0.07	9,580	208.06	0.12
18.70	0.07	9,563	208.06	0.12
18.80	0.07	9,546	208.06	0.12
18.90	0.07	9,529	208.06	0.12
19.00	0.07	9,512	208.05	0.12
19.10	0.07	9,495	208.05	0.12
19.20	0.07	9,478	208.05	0.12
19.30	0.07	9,460	208.05	0.12
19.40	0.07	9,443	208.05	0.12
19.50	0.07	9,425	208.05	0.12
19.60	0.07	9,408	208.04	0.12
19.70	0.07	9,390	208.04	0.12
19.80	0.07	9,372	208.04	0.12
19.90	0.07	9,354	208.04	0.12
20.00	0.07	9,337	208.04	0.12
20.10	0.06	9,319	208.03	0.11
20.20	0.06	9,300	208.03	0.11
20.30	0.06	9,282	208.03	0.11
20.40	0.06	9,264	208.03	0.11
20.50	0.06	9,246	208.03	0.11
20.60	0.06	9,227	208.02	0.11
20.70	0.06	9,209	208.02	0.11

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	9,190	208.02	0.11
20.90	0.06	9,172	208.02	0.11
21.00	0.06	9,153	208.02	0.11
21.10	0.06	9,134	208.01	0.11
21.20	0.06	9,115	208.01	0.11
21.30	0.06	9,097	208.01	0.11
21.40	0.06	9,078	208.01	0.11
21.50	0.06	9,059	208.01	0.11
21.60	0.06	9,039	208.00	0.11
21.70	0.06	9,020	208.00	0.11
21.80	0.06	9,001	208.00	0.11
21.90	0.06	8,982	208.00	0.11
22.00	0.06	8,962	208.00	0.11
22.10	0.06	8,943	207.99	0.11
22.20	0.06	8,923	207.99	0.11
22.30	0.05	8,904	207.99	0.11
22.40	0.05	8,884	207.99	0.11
22.50	0.05	8,864	207.99	0.11
22.60	0.05	8,845	207.98	0.11
22.70	0.05	8,825	207.98	0.11
22.80	0.05	8,805	207.98	0.11
22.90	0.05	8,785	207.98	0.11
23.00	0.05	8,765	207.97	0.11
23.10	0.05	8,744	207.97	0.11
23.20	0.05	8,724	207.97	0.11
23.30	0.05	8,704	207.97	0.11
23.40	0.05	8,684	207.97	0.11
23.50	0.05	8,663	207.96	0.11
23.60	0.05	8,643	207.96	0.11
23.70	0.05	8,622	207.96	0.11
23.80	0.05	8,602	207.96	0.11
23.90	0.05	8,581	207.95	0.11
24.00	0.05	8,563	207.95	0.10
24.10	0.00	8,530	207.95	0.10
24.20	0.00	8,492	207.94	0.10
24.30	0.00	8,455	207.94	0.10
24.40	0.00	8,418	207.94	0.10
24.50	0.00	8,381	207.93	0.10
24.60	0.00	8,344	207.93	0.10
24.70	0.00	8,308	207.93	0.10
24.80	0.00	8,271	207.92	0.10
24.90	0.00	8,235	207.92	0.10
25.00	0.00	8,199	207.91	0.10
25.10	0.00	8,163	207.91	0.10
25.20	0.00	8,128	207.91	0.10
25.30	0.00	8,092	207.90	0.10
25.40	0.00	8,057	207.90	0.10
25.50	0.00	8,022	207.89	0.10
25.60	0.00	7,987	207.89	0.10
25.70	0.00	7,953	207.89	0.10
25.80	0.00	7,918	207.88	0.10
25.90	0.00	7,884	207.88	0.10

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,850	207.88	0.09
26.10	0.00	7,816	207.87	0.09
26.20	0.00	7,782	207.87	0.09
26.30	0.00	7,749	207.86	0.09
26.40	0.00	7,715	207.86	0.09
26.50	0.00	7,682	207.86	0.09
26.60	0.00	7,649	207.85	0.09
26.70	0.00	7,616	207.85	0.09
26.80	0.00	7,584	207.85	0.09
26.90	0.00	7,551	207.84	0.09
27.00	0.00	7,519	207.84	0.09
27.10	0.00	7,487	207.84	0.09
27.20	0.00	7,455	207.83	0.09
27.30	0.00	7,424	207.83	0.09
27.40	0.00	7,392	207.83	0.09
27.50	0.00	7,361	207.82	0.09
27.60	0.00	7,330	207.82	0.09
27.70	0.00	7,299	207.82	0.09
27.80	0.00	7,268	207.81	0.08
27.90	0.00	7,238	207.81	0.08
28.00	0.00	7,208	207.81	0.08
28.10	0.00	7,177	207.80	0.08
28.20	0.00	7,147	207.80	0.08
28.30	0.00	7,118	207.80	0.08
28.40	0.00	7,088	207.79	0.08
28.50	0.00	7,059	207.79	0.08
28.60	0.00	7,030	207.79	0.08
28.70	0.00	7,001	207.78	0.08
28.80	0.00	6,972	207.78	0.08
28.90	0.00	6,943	207.78	0.08
29.00	0.00	6,915	207.77	0.08
29.10	0.00	6,887	207.77	0.08
29.20	0.00	6,859	207.77	0.08
29.30	0.00	6,831	207.76	0.08
29.40	0.00	6,803	207.76	0.08
29.50	0.00	6,776	207.76	0.08
29.60	0.00	6,749	207.76	0.08
29.70	0.00	6,721	207.75	0.07
29.80	0.00	6,695	207.75	0.07
29.90	0.00	6,668	207.75	0.07
30.00	0.00	6,641	207.74	0.07
30.10	0.00	6,615	207.74	0.07
30.20	0.00	6,589	207.74	0.07
30.30	0.00	6,563	207.74	0.07
30.40	0.00	6,537	207.73	0.07
30.50	0.00	6,512	207.73	0.07
30.60	0.00	6,487	207.73	0.07
30.70	0.00	6,461	207.72	0.07
30.80	0.00	6,436	207.72	0.07
30.90	0.00	6,412	207.72	0.07
31.00	0.00	6,387	207.72	0.07
31.10	0.00	6,363	207.71	0.07

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,338	207.71	0.07
31.30	0.00	6,314	207.71	0.07
31.40	0.00	6,291	207.71	0.07
31.50	0.00	6,267	207.70	0.07
31.60	0.00	6,244	207.70	0.06
31.70	0.00	6,220	207.70	0.06
31.80	0.00	6,197	207.70	0.06
31.90	0.00	6,175	207.69	0.06
32.00	0.00	6,152	207.69	0.06
32.10	0.00	6,129	207.69	0.06
32.20	0.00	6,107	207.69	0.06
32.30	0.00	6,085	207.68	0.06
32.40	0.00	6,063	207.68	0.06
32.50	0.00	6,041	207.68	0.06
32.60	0.00	6,020	207.68	0.06
32.70	0.00	5,998	207.67	0.06
32.80	0.00	5,977	207.67	0.06
32.90	0.00	5,956	207.67	0.06
33.00	0.00	5,936	207.67	0.06
33.10	0.00	5,915	207.66	0.06
33.20	0.00	5,895	207.66	0.06
33.30	0.00	5,874	207.66	0.06
33.40	0.00	5,854	207.66	0.06
33.50	0.00	5,835	207.66	0.05
33.60	0.00	5,815	207.65	0.05
33.70	0.00	5,795	207.65	0.05
33.80	0.00	5,776	207.65	0.05
33.90	0.00	5,757	207.65	0.05
34.00	0.00	5,738	207.65	0.05
34.10	0.00	5,719	207.64	0.05
34.20	0.00	5,701	207.64	0.05
34.30	0.00	5,682	207.64	0.05
34.40	0.00	5,664	207.64	0.05
34.50	0.00	5,646	207.63	0.05
34.60	0.00	5,628	207.63	0.05
34.70	0.00	5,611	207.63	0.05
34.80	0.00	5,594	207.63	0.05
34.90	0.00	5,577	207.63	0.05
35.00	0.00	5,560	207.63	0.05
35.10	0.00	5,543	207.62	0.05
35.20	0.00	5,527	207.62	0.05
35.30	0.00	5,511	207.62	0.04
35.40	0.00	5,495	207.62	0.04
35.50	0.00	5,479	207.62	0.04
35.60	0.00	5,463	207.61	0.04
35.70	0.00	5,448	207.61	0.04
35.80	0.00	5,433	207.61	0.04
35.90	0.00	5,418	207.61	0.04
36.00	0.00	5,403	207.61	0.04
36.10	0.00	5,388	207.61	0.04
36.20	0.00	5,374	207.60	0.04
36.30	0.00	5,359	207.60	0.04

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,345	207.60	0.04
36.50	0.00	5,331	207.60	0.04
36.60	0.00	5,318	207.60	0.04
36.70	0.00	5,304	207.60	0.04
36.80	0.00	5,291	207.60	0.04
36.90	0.00	5,278	207.59	0.04
37.00	0.00	5,265	207.59	0.04
37.10	0.00	5,252	207.59	0.04
37.20	0.00	5,239	207.59	0.03
37.30	0.00	5,227	207.59	0.03
37.40	0.00	5,215	207.59	0.03
37.50	0.00	5,203	207.59	0.03
37.60	0.00	5,191	207.58	0.03
37.70	0.00	5,179	207.58	0.03
37.80	0.00	5,168	207.58	0.03
37.90	0.00	5,156	207.58	0.03
38.00	0.00	5,145	207.58	0.03
38.10	0.00	5,134	207.58	0.03
38.20	0.00	5,123	207.58	0.03
38.30	0.00	5,112	207.58	0.03
38.40	0.00	5,102	207.57	0.03
38.50	0.00	5,091	207.57	0.03
38.60	0.00	5,081	207.57	0.03
38.70	0.00	5,071	207.57	0.03
38.80	0.00	5,061	207.57	0.03
38.90	0.00	5,051	207.57	0.03
39.00	0.00	5,041	207.57	0.03
39.10	0.00	5,031	207.57	0.03
39.20	0.00	5,022	207.57	0.03
39.30	0.00	5,013	207.57	0.03
39.40	0.00	5,003	207.56	0.03
39.50	0.00	4,994	207.56	0.03
39.60	0.00	4,985	207.56	0.02
39.70	0.00	4,976	207.56	0.02
39.80	0.00	4,968	207.56	0.02
39.90	0.00	4,959	207.56	0.02
40.00	0.00	4,951	207.56	0.02

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 1.59" for Current 2 yr event
Inflow = 4.50 cfs @ 12.06 hrs, Volume= 0.278 af
Outflow = 0.10 cfs @ 17.23 hrs, Volume= 0.178 af, Atten= 98%, Lag= 310.1 min
Primary = 0.10 cfs @ 17.23 hrs, Volume= 0.178 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.64' @ 17.23 hrs Surf.Area= 13,912 sf Storage= 8,636 cf

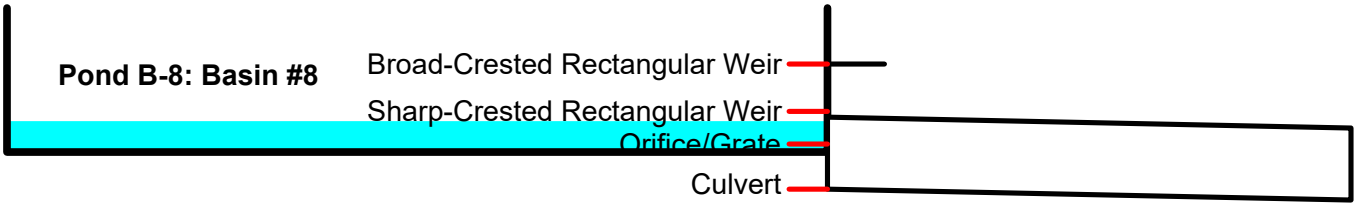
Plug-Flow detention time= 755.1 min calculated for 0.178 af (64% of inflow)
Center-of-Mass det. time= 641.0 min (1,451.2 - 810.2)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

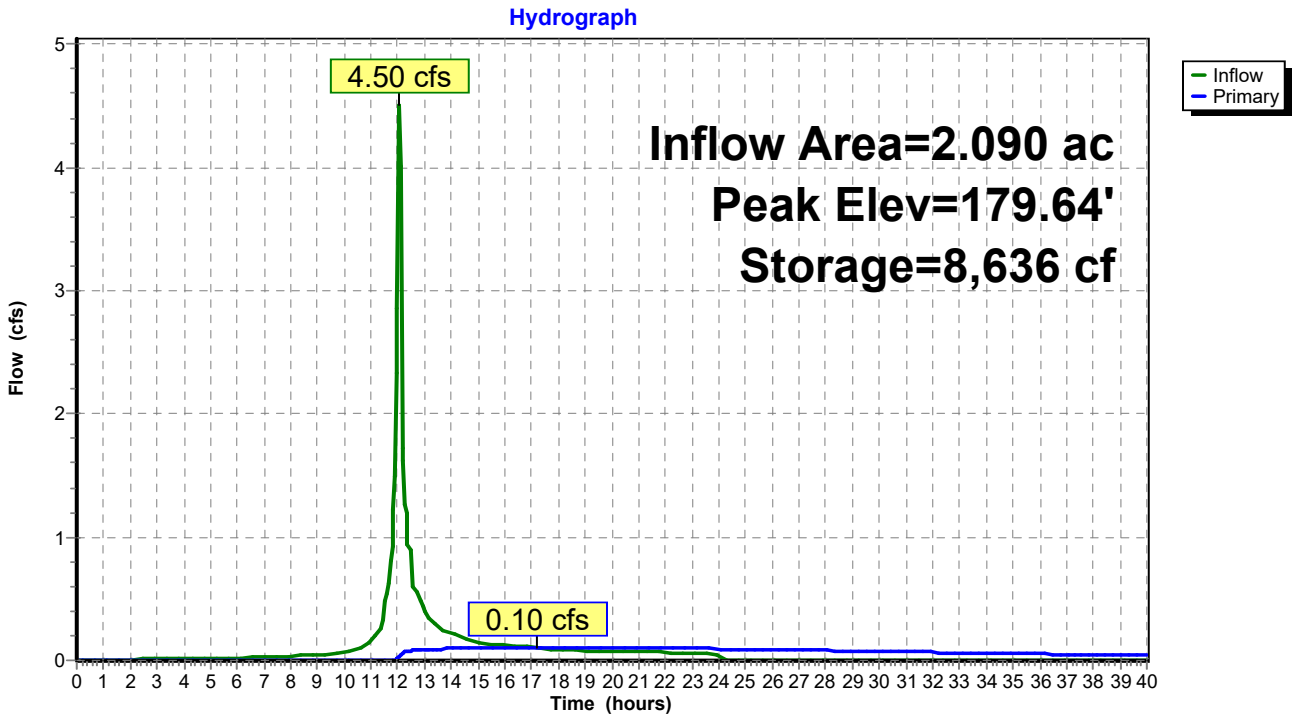
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.10 cfs @ 17.23 hrs HW=179.64' (Free Discharge)
- **1=Culvert** (Passes 0.10 cfs of 5.51 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.10 cfs @ 2.89 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	0	179.00	0.00
1.40	0.00	1	179.00	0.00
1.50	0.00	2	179.00	0.00
1.60	0.00	3	179.00	0.00
1.70	0.00	4	179.00	0.00
1.80	0.00	5	179.00	0.00
1.90	0.00	7	179.00	0.00
2.00	0.01	9	179.00	0.00
2.10	0.01	11	179.00	0.00
2.20	0.01	13	179.00	0.00
2.30	0.01	15	179.00	0.00
2.40	0.01	18	179.00	0.00
2.50	0.01	21	179.00	0.00
2.60	0.01	23	179.00	0.00
2.70	0.01	27	179.00	0.00
2.80	0.01	30	179.00	0.00
2.90	0.01	33	179.00	0.00
3.00	0.01	37	179.00	0.00
3.10	0.01	40	179.00	0.00
3.20	0.01	44	179.00	0.00
3.30	0.01	48	179.00	0.00
3.40	0.01	52	179.00	0.00
3.50	0.01	57	179.00	0.00
3.60	0.01	61	179.00	0.00
3.70	0.01	66	179.00	0.00
3.80	0.01	71	179.01	0.00
3.90	0.01	75	179.01	0.00
4.00	0.01	80	179.01	0.00
4.10	0.01	85	179.01	0.00
4.20	0.01	91	179.01	0.00
4.30	0.02	96	179.01	0.00
4.40	0.02	102	179.01	0.00
4.50	0.02	107	179.01	0.00
4.60	0.02	113	179.01	0.00
4.70	0.02	119	179.01	0.00
4.80	0.02	125	179.01	0.00
4.90	0.02	131	179.01	0.00
5.00	0.02	137	179.01	0.00
5.10	0.02	143	179.01	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	150	179.01	0.00
5.30	0.02	156	179.01	0.00
5.40	0.02	163	179.01	0.00
5.50	0.02	170	179.01	0.00
5.60	0.02	177	179.01	0.00
5.70	0.02	184	179.01	0.00
5.80	0.02	191	179.01	0.00
5.90	0.02	198	179.01	0.00
6.00	0.02	205	179.02	0.00
6.10	0.02	212	179.02	0.00
6.20	0.02	220	179.02	0.00
6.30	0.02	228	179.02	0.00
6.40	0.02	236	179.02	0.00
6.50	0.02	245	179.02	0.00
6.60	0.02	253	179.02	0.00
6.70	0.03	262	179.02	0.00
6.80	0.03	272	179.02	0.00
6.90	0.03	281	179.02	0.00
7.00	0.03	291	179.02	0.00
7.10	0.03	301	179.02	0.00
7.20	0.03	311	179.02	0.00
7.30	0.03	321	179.02	0.00
7.40	0.03	332	179.02	0.00
7.50	0.03	343	179.03	0.00
7.60	0.03	354	179.03	0.00
7.70	0.03	365	179.03	0.00
7.80	0.03	377	179.03	0.00
7.90	0.03	389	179.03	0.00
8.00	0.03	401	179.03	0.00
8.10	0.03	414	179.03	0.00
8.20	0.04	426	179.03	0.00
8.30	0.04	439	179.03	0.00
8.40	0.04	452	179.03	0.00
8.50	0.04	466	179.04	0.00
8.60	0.04	480	179.04	0.00
8.70	0.04	494	179.04	0.00
8.80	0.04	508	179.04	0.00
8.90	0.04	522	179.04	0.00
9.00	0.04	537	179.04	0.00
9.10	0.04	553	179.04	0.00
9.20	0.05	569	179.04	0.00
9.30	0.05	586	179.04	0.00
9.40	0.05	604	179.05	0.00
9.50	0.05	623	179.05	0.00
9.60	0.06	643	179.05	0.00
9.70	0.06	664	179.05	0.00
9.80	0.06	685	179.05	0.00
9.90	0.06	708	179.05	0.00
10.00	0.07	731	179.05	0.00
10.10	0.07	755	179.06	0.00
10.20	0.07	780	179.06	0.00
10.30	0.07	806	179.06	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.08	833	179.06	0.00
10.50	0.08	861	179.06	0.00
10.60	0.09	892	179.07	0.00
10.70	0.10	927	179.07	0.00
10.80	0.12	967	179.07	0.00
10.90	0.13	1,012	179.08	0.00
11.00	0.15	1,063	179.08	0.00
11.10	0.18	1,123	179.08	0.00
11.20	0.21	1,194	179.09	0.00
11.30	0.24	1,277	179.10	0.00
11.40	0.28	1,372	179.10	0.00
11.50	0.35	1,482	179.11	0.00
11.60	0.51	1,647	179.12	0.00
11.70	0.62	1,849	179.14	0.00
11.80	0.92	2,132	179.16	0.00
11.90	1.49	2,568	179.19	0.00
12.00	**2.86**	3,376	179.25	0.01
12.10	**4.01**	4,781	179.36	0.05
12.20	1.62	5,577	179.41	0.06
12.30	1.20	6,036	179.45	0.07
12.40	0.94	6,373	179.47	0.07
12.50	0.84	6,670	179.49	0.08
12.60	0.59	6,878	179.51	0.08
12.70	0.55	7,053	179.52	0.08
12.80	0.51	7,212	179.53	0.08
12.90	0.46	7,353	179.54	0.09
13.00	0.41	7,477	179.55	0.09
13.10	0.37	7,584	179.56	0.09
13.20	0.34	7,679	179.57	0.09
13.30	0.32	7,765	179.57	0.09
13.40	0.29	7,840	179.58	0.09
13.50	0.26	7,906	179.58	0.09
13.60	0.24	7,963	179.59	0.09
13.70	0.24	8,015	179.59	0.09
13.80	0.23	8,065	179.59	0.09
13.90	0.22	8,113	179.60	0.09
14.00	0.22	8,157	179.60	0.09
14.10	0.21	8,199	179.60	0.09
14.20	0.20	8,239	179.61	0.09
14.30	0.19	8,276	179.61	0.09
14.40	0.19	8,310	179.61	0.10
14.50	0.18	8,342	179.61	0.10
14.60	0.17	8,371	179.62	0.10
14.70	0.17	8,397	179.62	0.10
14.80	0.16	8,420	179.62	0.10
14.90	0.15	8,441	179.62	0.10
15.00	0.14	8,460	179.62	0.10
15.10	0.14	8,476	179.62	0.10
15.20	0.14	8,490	179.62	0.10
15.30	0.14	8,504	179.63	0.10
15.40	0.13	8,517	179.63	0.10
15.50	0.13	8,530	179.63	0.10

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	8,542	179.63	0.10
15.70	0.13	8,553	179.63	0.10
15.80	0.13	8,563	179.63	0.10
15.90	0.12	8,573	179.63	0.10
16.00	0.12	8,582	179.63	0.10
16.10	0.12	8,591	179.63	0.10
16.20	0.12	8,598	179.63	0.10
16.30	0.12	8,605	179.63	0.10
16.40	0.12	8,612	179.63	0.10
16.50	0.11	8,617	179.63	0.10
16.60	0.11	8,622	179.63	0.10
16.70	0.11	8,626	179.63	0.10
16.80	0.11	8,630	179.63	0.10
16.90	0.11	8,632	179.63	0.10
17.00	0.10	8,634	179.63	0.10
17.10	0.10	8,636	179.64	0.10
17.20	0.10	**8,637**	**179.64**	**0.10**
17.30	0.10	**8,636**	**179.64**	**0.10**
17.40	0.10	8,636	179.64	0.10
17.50	0.09	8,634	179.63	0.10
17.60	0.09	8,632	179.63	0.10
17.70	0.09	8,629	179.63	0.10
17.80	0.09	8,626	179.63	0.10
17.90	0.09	8,622	179.63	0.10
18.00	0.08	8,617	179.63	0.10
18.10	0.08	8,611	179.63	0.10
18.20	0.08	8,605	179.63	0.10
18.30	0.08	8,599	179.63	0.10
18.40	0.08	8,593	179.63	0.10
18.50	0.08	8,587	179.63	0.10
18.60	0.08	8,580	179.63	0.10
18.70	0.08	8,574	179.63	0.10
18.80	0.08	8,567	179.63	0.10
18.90	0.08	8,560	179.63	0.10
19.00	0.08	8,553	179.63	0.10
19.10	0.08	8,546	179.63	0.10
19.20	0.08	8,539	179.63	0.10
19.30	0.08	8,532	179.63	0.10
19.40	0.08	8,524	179.63	0.10
19.50	0.08	8,516	179.63	0.10
19.60	0.08	8,509	179.63	0.10
19.70	0.08	8,501	179.63	0.10
19.80	0.07	8,493	179.62	0.10
19.90	0.07	8,484	179.62	0.10
20.00	0.07	8,476	179.62	0.10
20.10	0.07	8,468	179.62	0.10
20.20	0.07	8,459	179.62	0.10
20.30	0.07	8,450	179.62	0.10
20.40	0.07	8,441	179.62	0.10
20.50	0.07	8,432	179.62	0.10
20.60	0.07	8,423	179.62	0.10
20.70	0.07	8,414	179.62	0.10

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	8,404	179.62	0.10
20.90	0.07	8,394	179.62	0.10
21.00	0.07	8,385	179.62	0.10
21.10	0.07	8,375	179.62	0.10
21.20	0.07	8,365	179.62	0.10
21.30	0.07	8,354	179.61	0.10
21.40	0.07	8,344	179.61	0.10
21.50	0.07	8,334	179.61	0.10
21.60	0.07	8,323	179.61	0.10
21.70	0.07	8,312	179.61	0.10
21.80	0.07	8,302	179.61	0.10
21.90	0.06	8,291	179.61	0.10
22.00	0.06	8,279	179.61	0.10
22.10	0.06	8,268	179.61	0.09
22.20	0.06	8,257	179.61	0.09
22.30	0.06	8,245	179.61	0.09
22.40	0.06	8,233	179.61	0.09
22.50	0.06	8,222	179.61	0.09
22.60	0.06	8,210	179.60	0.09
22.70	0.06	8,198	179.60	0.09
22.80	0.06	8,185	179.60	0.09
22.90	0.06	8,173	179.60	0.09
23.00	0.06	8,161	179.60	0.09
23.10	0.06	8,148	179.60	0.09
23.20	0.06	8,135	179.60	0.09
23.30	0.06	8,122	179.60	0.09
23.40	0.06	8,109	179.60	0.09
23.50	0.06	8,096	179.60	0.09
23.60	0.06	8,083	179.60	0.09
23.70	0.06	8,069	179.59	0.09
23.80	0.05	8,056	179.59	0.09
23.90	0.06	8,042	179.59	0.09
24.00	0.05	8,031	179.59	0.09
24.10	0.00	8,003	179.59	0.09
24.20	0.00	7,970	179.59	0.09
24.30	0.00	7,937	179.58	0.09
24.40	0.00	7,904	179.58	0.09
24.50	0.00	7,871	179.58	0.09
24.60	0.00	7,838	179.58	0.09
24.70	0.00	7,806	179.58	0.09
24.80	0.00	7,774	179.57	0.09
24.90	0.00	7,741	179.57	0.09
25.00	0.00	7,709	179.57	0.09
25.10	0.00	7,677	179.57	0.09
25.20	0.00	7,645	179.56	0.09
25.30	0.00	7,614	179.56	0.09
25.40	0.00	7,582	179.56	0.09
25.50	0.00	7,551	179.56	0.09
25.60	0.00	7,519	179.55	0.09
25.70	0.00	7,488	179.55	0.09
25.80	0.00	7,457	179.55	0.09
25.90	0.00	7,426	179.55	0.09

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,395	179.55	0.09
26.10	0.00	7,364	179.54	0.09
26.20	0.00	7,334	179.54	0.08
26.30	0.00	7,303	179.54	0.08
26.40	0.00	7,273	179.54	0.08
26.50	0.00	7,243	179.53	0.08
26.60	0.00	7,213	179.53	0.08
26.70	0.00	7,183	179.53	0.08
26.80	0.00	7,153	179.53	0.08
26.90	0.00	7,123	179.53	0.08
27.00	0.00	7,094	179.52	0.08
27.10	0.00	7,064	179.52	0.08
27.20	0.00	7,035	179.52	0.08
27.30	0.00	7,006	179.52	0.08
27.40	0.00	6,977	179.52	0.08
27.50	0.00	6,948	179.51	0.08
27.60	0.00	6,919	179.51	0.08
27.70	0.00	6,890	179.51	0.08
27.80	0.00	6,862	179.51	0.08
27.90	0.00	6,833	179.50	0.08
28.00	0.00	6,805	179.50	0.08
28.10	0.00	6,777	179.50	0.08
28.20	0.00	6,749	179.50	0.08
28.30	0.00	6,721	179.50	0.08
28.40	0.00	6,693	179.49	0.08
28.50	0.00	6,665	179.49	0.08
28.60	0.00	6,638	179.49	0.08
28.70	0.00	6,610	179.49	0.08
28.80	0.00	6,583	179.49	0.08
28.90	0.00	6,556	179.48	0.08
29.00	0.00	6,529	179.48	0.07
29.10	0.00	6,502	179.48	0.07
29.20	0.00	6,475	179.48	0.07
29.30	0.00	6,448	179.48	0.07
29.40	0.00	6,422	179.48	0.07
29.50	0.00	6,395	179.47	0.07
29.60	0.00	6,369	179.47	0.07
29.70	0.00	6,343	179.47	0.07
29.80	0.00	6,317	179.47	0.07
29.90	0.00	6,291	179.47	0.07
30.00	0.00	6,265	179.46	0.07
30.10	0.00	6,240	179.46	0.07
30.20	0.00	6,214	179.46	0.07
30.30	0.00	6,189	179.46	0.07
30.40	0.00	6,164	179.46	0.07
30.50	0.00	6,138	179.45	0.07
30.60	0.00	6,113	179.45	0.07
30.70	0.00	6,088	179.45	0.07
30.80	0.00	6,064	179.45	0.07
30.90	0.00	6,039	179.45	0.07
31.00	0.00	6,015	179.45	0.07
31.10	0.00	5,990	179.44	0.07

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,966	179.44	0.07
31.30	0.00	5,942	179.44	0.07
31.40	0.00	5,918	179.44	0.07
31.50	0.00	5,894	179.44	0.07
31.60	0.00	5,870	179.43	0.07
31.70	0.00	5,847	179.43	0.07
31.80	0.00	5,823	179.43	0.07
31.90	0.00	5,800	179.43	0.06
32.00	0.00	5,777	179.43	0.06
32.10	0.00	5,754	179.43	0.06
32.20	0.00	5,731	179.42	0.06
32.30	0.00	5,708	179.42	0.06
32.40	0.00	5,685	179.42	0.06
32.50	0.00	5,662	179.42	0.06
32.60	0.00	5,640	179.42	0.06
32.70	0.00	5,618	179.42	0.06
32.80	0.00	5,595	179.41	0.06
32.90	0.00	5,573	179.41	0.06
33.00	0.00	5,551	179.41	0.06
33.10	0.00	5,530	179.41	0.06
33.20	0.00	5,508	179.41	0.06
33.30	0.00	5,486	179.41	0.06
33.40	0.00	5,465	179.41	0.06
33.50	0.00	5,444	179.40	0.06
33.60	0.00	5,422	179.40	0.06
33.70	0.00	5,401	179.40	0.06
33.80	0.00	5,380	179.40	0.06
33.90	0.00	5,360	179.40	0.06
34.00	0.00	5,339	179.40	0.06
34.10	0.00	5,318	179.39	0.06
34.20	0.00	5,298	179.39	0.06
34.30	0.00	5,278	179.39	0.06
34.40	0.00	5,258	179.39	0.06
34.50	0.00	5,237	179.39	0.06
34.60	0.00	5,218	179.39	0.06
34.70	0.00	5,198	179.39	0.05
34.80	0.00	5,178	179.38	0.05
34.90	0.00	5,159	179.38	0.05
35.00	0.00	5,139	179.38	0.05
35.10	0.00	5,120	179.38	0.05
35.20	0.00	5,101	179.38	0.05
35.30	0.00	5,082	179.38	0.05
35.40	0.00	5,063	179.38	0.05
35.50	0.00	5,044	179.37	0.05
35.60	0.00	5,025	179.37	0.05
35.70	0.00	5,007	179.37	0.05
35.80	0.00	4,988	179.37	0.05
35.90	0.00	4,970	179.37	0.05
36.00	0.00	4,952	179.37	0.05
36.10	0.00	4,934	179.37	0.05
36.20	0.00	4,916	179.37	0.05
36.30	0.00	4,898	179.36	0.05

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,880	179.36	0.05
36.50	0.00	4,863	179.36	0.05
36.60	0.00	4,845	179.36	0.05
36.70	0.00	4,828	179.36	0.05
36.80	0.00	4,811	179.36	0.05
36.90	0.00	4,794	179.36	0.05
37.00	0.00	4,777	179.35	0.05
37.10	0.00	4,760	179.35	0.05
37.20	0.00	4,743	179.35	0.05
37.30	0.00	4,727	179.35	0.05
37.40	0.00	4,711	179.35	0.05
37.50	0.00	4,695	179.35	0.04
37.60	0.00	4,679	179.35	0.04
37.70	0.00	4,663	179.35	0.04
37.80	0.00	4,647	179.35	0.04
37.90	0.00	4,631	179.34	0.04
38.00	0.00	4,616	179.34	0.04
38.10	0.00	4,601	179.34	0.04
38.20	0.00	4,586	179.34	0.04
38.30	0.00	4,571	179.34	0.04
38.40	0.00	4,556	179.34	0.04
38.50	0.00	4,541	179.34	0.04
38.60	0.00	4,526	179.34	0.04
38.70	0.00	4,512	179.34	0.04
38.80	0.00	4,497	179.33	0.04
38.90	0.00	4,483	179.33	0.04
39.00	0.00	4,469	179.33	0.04
39.10	0.00	4,455	179.33	0.04
39.20	0.00	4,441	179.33	0.04
39.30	0.00	4,427	179.33	0.04
39.40	0.00	4,414	179.33	0.04
39.50	0.00	4,400	179.33	0.04
39.60	0.00	4,387	179.33	0.04
39.70	0.00	4,374	179.33	0.04
39.80	0.00	4,361	179.32	0.04
39.90	0.00	4,348	179.32	0.04
40.00	0.00	4,335	179.32	0.04

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)
181.08	26.70
181.09	27.71
181.10	28.75
181.11	29.81
181.12	30.89
181.13	32.00
181.14	33.13
181.15	34.29
181.16	35.47
181.17	36.68
181.18	37.91
181.19	39.16
181.20	40.44
181.21	41.74
181.22	43.07
181.23	44.42
181.24	45.82
181.25	47.25
181.26	48.70
181.27	50.18
181.28	51.68
181.29	53.22
181.30	54.77
181.31	56.36
181.32	57.97
181.33	59.60
181.34	61.27
181.35	62.95
181.36	64.67
181.37	66.41
181.38	68.18
181.39	69.98
181.40	71.80
181.41	73.65
181.42	75.52
181.43	77.42
181.44	79.09
181.45	80.76
181.46	82.45
181.47	84.15
181.48	85.86
181.49	87.59
181.50	89.33
181.51	91.08
181.52	92.84
181.53	94.62
181.54	96.41
181.55	98.22
181.56	100.03
181.57	101.86
181.58	103.70
181.59	105.56
181.60	107.42
181.61	109.30
181.62	111.19
181.63	113.09
181.64	115.04
181.65	117.01
181.66	118.98
181.67	120.98
181.68	122.98
181.69	125.00
181.70	127.03
181.71	129.07
181.72	131.13
181.73	133.19
181.74	135.28
181.75	137.37
181.76	139.48
181.77	141.60
181.78	143.73
181.79	145.87
181.80	148.03
181.81	150.20
181.82	152.38
181.83	154.58
181.84	156.73
181.85	158.90
181.86	161.07
181.87	163.26
181.88	165.46
181.89	167.66
181.90	169.88
181.91	172.11
181.92	174.35
181.93	176.60
181.94	178.86
181.95	181.13
181.96	183.41
181.97	185.70
181.98	188.00
181.99	190.31
182.00	**192.63**

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350	180.56	14,845	21,932
180.05	14,325	14,493	180.57	14,855	22,080
180.06	14,335	14,637	180.58	14,865	22,229
180.07	14,345	14,780	180.59	14,875	22,378
180.08	14,356	14,924	180.60	14,885	22,526
180.09	14,366	15,067	180.61	14,896	22,675
180.10	14,376	15,211	180.62	14,906	22,824
180.11	14,386	15,355	180.63	14,916	22,973
180.12	14,396	15,499	180.64	14,926	23,123
180.13	14,406	15,643	180.65	14,936	23,272
180.14	14,417	15,787	180.66	14,947	23,421
180.15	14,427	15,931	180.67	14,957	23,571
180.16	14,437	16,075	180.68	14,967	23,720
180.17	14,447	16,220	180.69	14,977	23,870
180.18	14,457	16,364	180.70	14,987	24,020
180.19	14,468	16,509	180.71	14,997	24,170
180.20	14,478	16,654	180.72	15,008	24,320
180.21	14,488	16,799	180.73	15,018	24,470
180.22	14,498	16,943	180.74	15,028	24,620
180.23	14,508	17,088	180.75	15,038	24,771
180.24	14,519	17,234	180.76	15,048	24,921
180.25	14,529	17,379	180.77	15,059	25,072
180.26	14,539	17,524	180.78	15,069	25,222
180.27	14,549	17,670	180.79	15,079	25,373
180.28	14,559	17,815	180.80	15,089	25,524
180.29	14,570	17,961	180.81	15,099	25,675
180.30	14,580	18,107	180.82	15,110	25,826
180.31	14,590	18,252	180.83	15,120	25,977
180.32	14,600	18,398	180.84	15,130	26,128
180.33	14,610	18,544	180.85	15,140	26,280
180.34	14,620	18,691	180.86	15,150	26,431
180.35	14,631	18,837	180.87	15,161	26,583
180.36	14,641	18,983	180.88	15,171	26,734
180.37	14,651	19,130	180.89	15,181	26,886
180.38	14,661	19,276	180.90	15,191	27,038
180.39	14,671	19,423	180.91	15,201	27,190
180.40	14,682	19,570	180.92	15,211	27,342
180.41	14,692	19,716	180.93	15,222	27,494
180.42	14,702	19,863	180.94	15,232	27,646
180.43	14,712	20,011	180.95	15,242	27,799
180.44	14,722	20,158	180.96	15,252	27,951
180.45	14,733	20,305	180.97	15,262	28,104
180.46	14,743	20,452	180.98	15,273	28,256
180.47	14,753	20,600	180.99	15,283	28,409
180.48	14,763	20,747	181.00	15,293	28,562
180.49	14,773	20,895	181.01	15,303	28,715
180.50	14,784	21,043	181.02	15,314	28,868
180.51	14,794	21,191	181.03	15,324	29,021
180.52	14,804	21,339	181.04	15,335	29,175
180.53	14,814	21,487	181.05	15,345	29,328
180.54	14,824	21,635	181.06	15,356	29,481
180.55	14,834	21,783	181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 2.18" for Current 2 yr event
Inflow = 4.28 cfs @ 12.08 hrs, Volume= 0.273 af
Outflow = 0.10 cfs @ 16.02 hrs, Volume= 0.168 af, Atten= 98%, Lag= 236.7 min
Primary = 0.10 cfs @ 16.02 hrs, Volume= 0.168 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.78' @ 16.02 hrs Surf.Area= 11,489 sf Storage= 8,709 cf

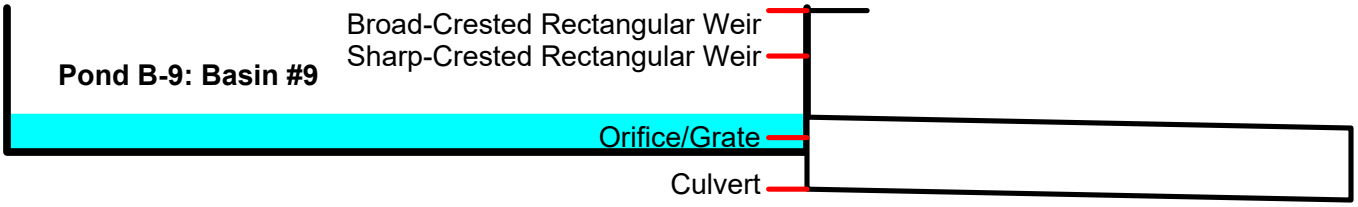
Plug-Flow detention time= 737.6 min calculated for 0.168 af (61% of inflow)
Center-of-Mass det. time= 625.2 min (1,404.2 - 779.0)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

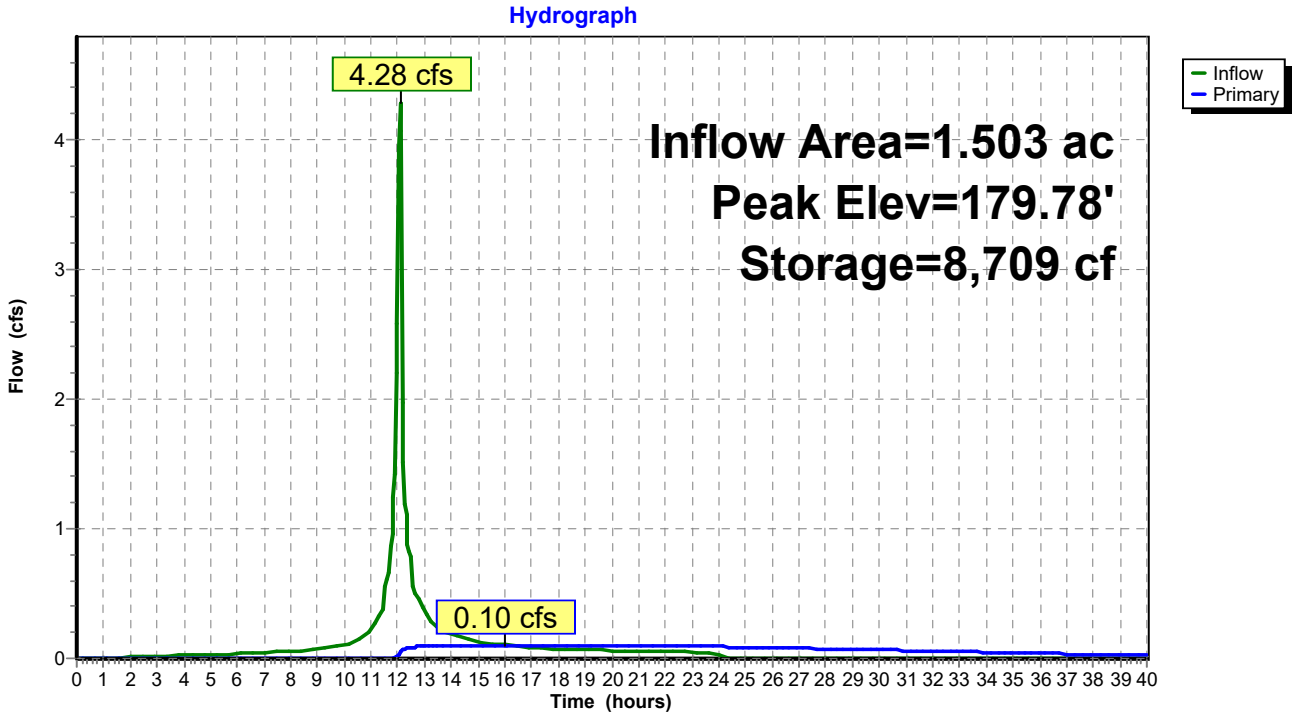
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.10 cfs @ 16.02 hrs HW=179.78' (Free Discharge)
- **1=Culvert** (Passes 0.10 cfs of 6.36 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.10 cfs @ 2.97 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	0	179.00	0.00
1.40	0.00	1	179.00	0.00
1.50	0.00	2	179.00	0.00
1.60	0.00	4	179.00	0.00
1.70	0.01	6	179.00	0.00
1.80	0.01	8	179.00	0.00
1.90	0.01	11	179.00	0.00
2.00	0.01	14	179.00	0.00
2.10	0.01	17	179.00	0.00
2.20	0.01	20	179.00	0.00
2.30	0.01	24	179.00	0.00
2.40	0.01	28	179.00	0.00
2.50	0.01	33	179.00	0.00
2.60	0.01	37	179.00	0.00
2.70	0.01	42	179.00	0.00
2.80	0.02	48	179.00	0.00
2.90	0.02	53	179.00	0.00
3.00	0.02	59	179.01	0.00
3.10	0.02	65	179.01	0.00
3.20	0.02	71	179.01	0.00
3.30	0.02	78	179.01	0.00
3.40	0.02	85	179.01	0.00
3.50	0.02	92	179.01	0.00
3.60	0.02	99	179.01	0.00
3.70	0.02	106	179.01	0.00
3.80	0.02	114	179.01	0.00
3.90	0.02	122	179.01	0.00
4.00	0.02	130	179.01	0.00
4.10	0.02	139	179.01	0.00
4.20	0.02	147	179.01	0.00
4.30	0.02	156	179.01	0.00
4.40	0.03	165	179.02	0.00
4.50	0.03	174	179.02	0.00
4.60	0.03	183	179.02	0.00
4.70	0.03	193	179.02	0.00
4.80	0.03	203	179.02	0.00
4.90	0.03	213	179.02	0.00
5.00	0.03	223	179.02	0.00
5.10	0.03	233	179.02	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	244	179.02	0.00
5.30	0.03	254	179.02	0.00
5.40	0.03	265	179.02	0.00
5.50	0.03	276	179.03	0.00
5.60	0.03	287	179.03	0.00
5.70	0.03	299	179.03	0.00
5.80	0.03	310	179.03	0.00
5.90	0.03	322	179.03	0.00
6.00	0.03	334	179.03	0.00
6.10	0.03	346	179.03	0.00
6.20	0.04	359	179.03	0.00
6.30	0.04	372	179.03	0.00
6.40	0.04	385	179.04	0.00
6.50	0.04	399	179.04	0.00
6.60	0.04	413	179.04	0.00
6.70	0.04	428	179.04	0.00
6.80	0.04	443	179.04	0.00
6.90	0.04	458	179.04	0.00
7.00	0.04	474	179.04	0.00
7.10	0.05	490	179.05	0.00
7.20	0.05	507	179.05	0.00
7.30	0.05	523	179.05	0.00
7.40	0.05	541	179.05	0.00
7.50	0.05	559	179.05	0.00
7.60	0.05	577	179.05	0.00
7.70	0.05	596	179.06	0.00
7.80	0.05	615	179.06	0.00
7.90	0.05	634	179.06	0.00
8.00	0.06	654	179.06	0.00
8.10	0.06	675	179.06	0.00
8.20	0.06	695	179.06	0.00
8.30	0.06	717	179.07	0.00
8.40	0.06	738	179.07	0.00
8.50	0.06	760	179.07	0.00
8.60	0.06	783	179.07	0.00
8.70	0.06	805	179.07	0.00
8.80	0.07	829	179.08	0.00
8.90	0.07	852	179.08	0.00
9.00	0.07	877	179.08	0.00
9.10	0.07	902	179.08	0.00
9.20	0.08	928	179.09	0.00
9.30	0.08	956	179.09	0.00
9.40	0.08	986	179.09	0.00
9.50	0.09	1,017	179.09	0.00
9.60	0.09	1,049	179.10	0.00
9.70	0.09	1,083	179.10	0.00
9.80	0.10	1,118	179.10	0.00
9.90	0.10	1,154	179.11	0.00
10.00	0.11	1,192	179.11	0.00
10.10	0.11	1,231	179.11	0.00
10.20	0.12	1,272	179.12	0.00
10.30	0.12	1,315	179.12	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.12	1,358	179.13	0.00
10.50	0.13	1,404	179.13	0.00
10.60	0.14	1,453	179.13	0.00
10.70	0.16	1,508	179.14	0.00
10.80	0.18	1,569	179.15	0.00
10.90	0.19	1,637	179.15	0.00
11.00	0.21	1,711	179.16	0.00
11.10	0.25	1,795	179.17	0.00
11.20	0.28	1,891	179.18	0.00
11.30	0.32	2,000	179.19	0.00
11.40	0.35	2,122	179.20	0.00
11.50	0.40	2,257	179.21	0.00
11.60	0.61	2,448	179.23	0.00
11.70	0.67	2,679	179.25	0.00
11.80	0.96	2,982	179.27	0.00
11.90	1.42	3,420	179.31	0.00
12.00	2.58	4,175	179.38	0.01
12.10	**4.06**	5,472	179.50	0.05
12.20	1.52	6,308	179.57	0.07
12.30	1.10	6,733	179.61	0.07
12.40	0.83	7,036	179.64	0.08
12.50	0.77	7,295	179.66	0.08
12.60	0.52	7,481	179.68	0.09
12.70	0.48	7,628	179.69	0.09
12.80	0.44	7,760	179.70	0.09
12.90	0.40	7,877	179.71	0.09
13.00	0.36	7,979	179.72	0.09
13.10	0.32	8,065	179.73	0.09
13.20	0.30	8,140	179.73	0.09
13.30	0.27	8,207	179.74	0.10
13.40	0.25	8,266	179.75	0.10
13.50	0.23	8,316	179.75	0.10
13.60	0.21	8,357	179.75	0.10
13.70	0.20	8,395	179.76	0.10
13.80	0.19	8,430	179.76	0.10
13.90	0.19	8,463	179.76	0.10
14.00	0.18	8,494	179.77	0.10
14.10	0.18	8,523	179.77	0.10
14.20	0.17	8,549	179.77	0.10
14.30	0.16	8,573	179.77	0.10
14.40	0.16	8,595	179.77	0.10
14.50	0.15	8,614	179.78	0.10
14.60	0.15	8,632	179.78	0.10
14.70	0.14	8,647	179.78	0.10
14.80	0.13	8,660	179.78	0.10
14.90	0.13	8,670	179.78	0.10
15.00	0.12	8,678	179.78	0.10
15.10	0.12	8,685	179.78	0.10
15.20	0.11	8,690	179.78	0.10
15.30	0.11	8,694	179.78	0.10
15.40	0.11	8,698	179.78	0.10
15.50	0.11	8,701	179.78	0.10

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.11	8,704	179.78	0.10
15.70	0.11	8,706	179.78	0.10
15.80	0.10	8,708	179.78	0.10
15.90	0.10	8,709	179.78	0.10
16.00	0.10	**8,709**	**179.78**	**0.10**
16.10	0.10	8,709	179.78	0.10
16.20	0.10	8,708	179.78	0.10
16.30	0.10	8,707	179.78	0.10
16.40	0.10	8,705	179.78	0.10
16.50	0.09	8,703	179.78	0.10
16.60	0.09	8,700	179.78	0.10
16.70	0.09	8,696	179.78	0.10
16.80	0.09	8,692	179.78	0.10
16.90	0.09	8,687	179.78	0.10
17.00	0.09	8,682	179.78	0.10
17.10	0.08	8,676	179.78	0.10
17.20	0.08	8,670	179.78	0.10
17.30	0.08	8,663	179.78	0.10
17.40	0.08	8,655	179.78	0.10
17.50	0.08	8,647	179.78	0.10
17.60	0.08	8,639	179.78	0.10
17.70	0.07	8,630	179.78	0.10
17.80	0.07	8,620	179.78	0.10
17.90	0.07	8,610	179.78	0.10
18.00	0.07	8,599	179.77	0.10
18.10	0.07	8,588	179.77	0.10
18.20	0.07	8,576	179.77	0.10
18.30	0.07	8,564	179.77	0.10
18.40	0.07	8,553	179.77	0.10
18.50	0.07	8,541	179.77	0.10
18.60	0.07	8,529	179.77	0.10
18.70	0.07	8,517	179.77	0.10
18.80	0.07	8,505	179.77	0.10
18.90	0.06	8,492	179.77	0.10
19.00	0.06	8,480	179.76	0.10
19.10	0.06	8,468	179.76	0.10
19.20	0.06	8,455	179.76	0.10
19.30	0.06	8,443	179.76	0.10
19.40	0.06	8,430	179.76	0.10
19.50	0.06	8,417	179.76	0.10
19.60	0.06	8,404	179.76	0.10
19.70	0.06	8,391	179.76	0.10
19.80	0.06	8,378	179.76	0.10
19.90	0.06	8,365	179.75	0.10
20.00	0.06	8,352	179.75	0.10
20.10	0.06	8,339	179.75	0.10
20.20	0.06	8,325	179.75	0.10
20.30	0.06	8,312	179.75	0.10
20.40	0.06	8,298	179.75	0.10
20.50	0.06	8,285	179.75	0.10
20.60	0.06	8,271	179.75	0.10
20.70	0.06	8,257	179.74	0.10

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	8,243	179.74	0.10
20.90	0.06	8,229	179.74	0.10
21.00	0.06	8,215	179.74	0.10
21.10	0.06	8,201	179.74	0.10
21.20	0.06	8,187	179.74	0.09
21.30	0.06	8,173	179.74	0.09
21.40	0.05	8,158	179.74	0.09
21.50	0.05	8,144	179.73	0.09
21.60	0.05	8,129	179.73	0.09
21.70	0.05	8,115	179.73	0.09
21.80	0.05	8,100	179.73	0.09
21.90	0.05	8,085	179.73	0.09
22.00	0.05	8,070	179.73	0.09
22.10	0.05	8,055	179.73	0.09
22.20	0.05	8,040	179.73	0.09
22.30	0.05	8,025	179.72	0.09
22.40	0.05	8,010	179.72	0.09
22.50	0.05	7,995	179.72	0.09
22.60	0.05	7,979	179.72	0.09
22.70	0.05	7,964	179.72	0.09
22.80	0.05	7,948	179.72	0.09
22.90	0.05	7,933	179.72	0.09
23.00	0.05	7,917	179.72	0.09
23.10	0.05	7,901	179.71	0.09
23.20	0.05	7,886	179.71	0.09
23.30	0.05	7,870	179.71	0.09
23.40	0.05	7,854	179.71	0.09
23.50	0.05	7,838	179.71	0.09
23.60	0.05	7,822	179.71	0.09
23.70	0.05	7,805	179.71	0.09
23.80	0.04	7,789	179.70	0.09
23.90	0.05	7,773	179.70	0.09
24.00	0.05	7,759	179.70	0.09
24.10	0.00	7,732	179.70	0.09
24.20	0.00	7,700	179.70	0.09
24.30	0.00	7,669	179.69	0.09
24.40	0.00	7,637	179.69	0.09
24.50	0.00	7,605	179.69	0.09
24.60	0.00	7,574	179.69	0.09
24.70	0.00	7,543	179.68	0.09
24.80	0.00	7,512	179.68	0.09
24.90	0.00	7,481	179.68	0.09
25.00	0.00	7,450	179.67	0.09
25.10	0.00	7,419	179.67	0.08
25.20	0.00	7,389	179.67	0.08
25.30	0.00	7,359	179.67	0.08
25.40	0.00	7,328	179.66	0.08
25.50	0.00	7,298	179.66	0.08
25.60	0.00	7,268	179.66	0.08
25.70	0.00	7,239	179.66	0.08
25.80	0.00	7,209	179.65	0.08
25.90	0.00	7,180	179.65	0.08

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,151	179.65	0.08
26.10	0.00	7,122	179.65	0.08
26.20	0.00	7,093	179.64	0.08
26.30	0.00	7,064	179.64	0.08
26.40	0.00	7,035	179.64	0.08
26.50	0.00	7,007	179.64	0.08
26.60	0.00	6,978	179.63	0.08
26.70	0.00	6,950	179.63	0.08
26.80	0.00	6,922	179.63	0.08
26.90	0.00	6,894	179.63	0.08
27.00	0.00	6,867	179.62	0.08
27.10	0.00	6,839	179.62	0.08
27.20	0.00	6,812	179.62	0.08
27.30	0.00	6,785	179.62	0.08
27.40	0.00	6,757	179.61	0.07
27.50	0.00	6,731	179.61	0.07
27.60	0.00	6,704	179.61	0.07
27.70	0.00	6,677	179.61	0.07
27.80	0.00	6,651	179.60	0.07
27.90	0.00	6,624	179.60	0.07
28.00	0.00	6,598	179.60	0.07
28.10	0.00	6,572	179.60	0.07
28.20	0.00	6,546	179.59	0.07
28.30	0.00	6,521	179.59	0.07
28.40	0.00	6,495	179.59	0.07
28.50	0.00	6,470	179.59	0.07
28.60	0.00	6,445	179.59	0.07
28.70	0.00	6,420	179.58	0.07
28.80	0.00	6,395	179.58	0.07
28.90	0.00	6,370	179.58	0.07
29.00	0.00	6,345	179.58	0.07
29.10	0.00	6,321	179.57	0.07
29.20	0.00	6,297	179.57	0.07
29.30	0.00	6,272	179.57	0.07
29.40	0.00	6,248	179.57	0.07
29.50	0.00	6,225	179.57	0.07
29.60	0.00	6,201	179.56	0.07
29.70	0.00	6,177	179.56	0.07
29.80	0.00	6,154	179.56	0.06
29.90	0.00	6,131	179.56	0.06
30.00	0.00	6,108	179.56	0.06
30.10	0.00	6,085	179.55	0.06
30.20	0.00	6,062	179.55	0.06
30.30	0.00	6,040	179.55	0.06
30.40	0.00	6,017	179.55	0.06
30.50	0.00	5,995	179.55	0.06
30.60	0.00	5,973	179.54	0.06
30.70	0.00	5,951	179.54	0.06
30.80	0.00	5,929	179.54	0.06
30.90	0.00	5,907	179.54	0.06
31.00	0.00	5,886	179.54	0.06
31.10	0.00	5,864	179.53	0.06

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,843	179.53	0.06
31.30	0.00	5,822	179.53	0.06
31.40	0.00	5,801	179.53	0.06
31.50	0.00	5,781	179.53	0.06
31.60	0.00	5,760	179.52	0.06
31.70	0.00	5,740	179.52	0.06
31.80	0.00	5,719	179.52	0.06
31.90	0.00	5,699	179.52	0.06
32.00	0.00	5,679	179.52	0.06
32.10	0.00	5,660	179.52	0.05
32.20	0.00	5,640	179.51	0.05
32.30	0.00	5,620	179.51	0.05
32.40	0.00	5,601	179.51	0.05
32.50	0.00	5,582	179.51	0.05
32.60	0.00	5,563	179.51	0.05
32.70	0.00	5,544	179.51	0.05
32.80	0.00	5,525	179.50	0.05
32.90	0.00	5,507	179.50	0.05
33.00	0.00	5,488	179.50	0.05
33.10	0.00	5,470	179.50	0.05
33.20	0.00	5,452	179.50	0.05
33.30	0.00	5,434	179.50	0.05
33.40	0.00	5,416	179.49	0.05
33.50	0.00	5,399	179.49	0.05
33.60	0.00	5,381	179.49	0.05
33.70	0.00	5,364	179.49	0.05
33.80	0.00	5,347	179.49	0.05
33.90	0.00	5,330	179.49	0.05
34.00	0.00	5,313	179.48	0.05
34.10	0.00	5,297	179.48	0.05
34.20	0.00	5,280	179.48	0.05
34.30	0.00	5,264	179.48	0.05
34.40	0.00	5,247	179.48	0.04
34.50	0.00	5,231	179.48	0.04
34.60	0.00	5,215	179.48	0.04
34.70	0.00	5,200	179.47	0.04
34.80	0.00	5,184	179.47	0.04
34.90	0.00	5,169	179.47	0.04
35.00	0.00	5,154	179.47	0.04
35.10	0.00	5,139	179.47	0.04
35.20	0.00	5,124	179.47	0.04
35.30	0.00	5,109	179.47	0.04
35.40	0.00	5,095	179.47	0.04
35.50	0.00	5,080	179.46	0.04
35.60	0.00	5,066	179.46	0.04
35.70	0.00	5,052	179.46	0.04
35.80	0.00	5,038	179.46	0.04
35.90	0.00	5,025	179.46	0.04
36.00	0.00	5,011	179.46	0.04
36.10	0.00	4,998	179.46	0.04
36.20	0.00	4,984	179.46	0.04
36.30	0.00	4,971	179.45	0.04

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,958	179.45	0.04
36.50	0.00	4,946	179.45	0.04
36.60	0.00	4,933	179.45	0.03
36.70	0.00	4,920	179.45	0.03
36.80	0.00	4,908	179.45	0.03
36.90	0.00	4,896	179.45	0.03
37.00	0.00	4,884	179.45	0.03
37.10	0.00	4,872	179.45	0.03
37.20	0.00	4,860	179.44	0.03
37.30	0.00	4,848	179.44	0.03
37.40	0.00	4,837	179.44	0.03
37.50	0.00	4,825	179.44	0.03
37.60	0.00	4,814	179.44	0.03
37.70	0.00	4,803	179.44	0.03
37.80	0.00	4,792	179.44	0.03
37.90	0.00	4,781	179.44	0.03
38.00	0.00	4,770	179.44	0.03
38.10	0.00	4,759	179.44	0.03
38.20	0.00	4,749	179.43	0.03
38.30	0.00	4,739	179.43	0.03
38.40	0.00	4,728	179.43	0.03
38.50	0.00	4,718	179.43	0.03
38.60	0.00	4,708	179.43	0.03
38.70	0.00	4,698	179.43	0.03
38.80	0.00	4,688	179.43	0.03
38.90	0.00	4,679	179.43	0.03
39.00	0.00	4,669	179.43	0.03
39.10	0.00	4,659	179.43	0.03
39.20	0.00	4,650	179.43	0.03
39.30	0.00	4,641	179.42	0.03
39.40	0.00	4,632	179.42	0.03
39.50	0.00	4,622	179.42	0.03
39.60	0.00	4,614	179.42	0.02
39.70	0.00	4,605	179.42	0.02
39.80	0.00	4,596	179.42	0.02
39.90	0.00	4,587	179.42	0.02
40.00	0.00	4,579	179.42	0.02

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679	180.56	12,264	17,920
180.05	11,750	11,796	180.57	12,275	18,043
180.06	11,760	11,914	180.58	12,285	18,166
180.07	11,771	12,031	180.59	12,295	18,288
180.08	11,781	12,149	180.60	12,305	18,411
180.09	11,791	12,267	180.61	12,315	18,535
180.10	11,801	12,385	180.62	12,325	18,658
180.11	11,811	12,503	180.63	12,335	18,781
180.12	11,821	12,621	180.64	12,345	18,904
180.13	11,831	12,740	180.65	12,355	19,028
180.14	11,841	12,858	180.66	12,365	19,152
180.15	11,851	12,976	180.67	12,375	19,275
180.16	11,861	13,095	180.68	12,385	19,399
180.17	11,871	13,214	180.69	12,396	19,523
180.18	11,881	13,332	180.70	12,406	19,647
180.19	11,892	13,451	180.71	12,416	19,771
180.20	11,902	13,570	180.72	12,426	19,895
180.21	11,912	13,689	180.73	12,436	20,020
180.22	11,922	13,808	180.74	12,446	20,144
180.23	11,932	13,928	180.75	12,456	20,269
180.24	11,942	14,047	180.76	12,466	20,393
180.25	11,952	14,167	180.77	12,476	20,518
180.26	11,962	14,286	180.78	12,486	20,643
180.27	11,972	14,406	180.79	12,496	20,768
180.28	11,982	14,526	180.80	12,506	20,893
180.29	11,992	14,645	180.81	12,516	21,018
180.30	12,002	14,765	180.82	12,527	21,143
180.31	12,012	14,885	180.83	12,537	21,268
180.32	12,023	15,006	180.84	12,547	21,394
180.33	12,033	15,126	180.85	12,557	21,519
180.34	12,043	15,246	180.86	12,567	21,645
180.35	12,053	15,367	180.87	12,577	21,770
180.36	12,063	15,487	180.88	12,587	21,896
180.37	12,073	15,608	180.89	12,597	22,022
180.38	12,083	15,729	180.90	12,607	22,148
180.39	12,093	15,850	180.91	12,617	22,274
180.40	12,103	15,971	180.92	12,627	22,401
180.41	12,113	16,092	180.93	12,637	22,527
180.42	12,123	16,213	180.94	12,648	22,653
180.43	12,133	16,334	180.95	12,658	22,780
180.44	12,144	16,456	180.96	12,668	22,906
180.45	12,154	16,577	180.97	12,678	23,033
180.46	12,164	16,699	180.98	12,688	23,160
180.47	12,174	16,820	180.99	12,698	23,287
180.48	12,184	16,942	181.00	12,708	23,414
180.49	12,194	17,064	181.01	12,718	23,541
180.50	12,204	17,186	181.02	12,729	23,668
180.51	12,214	17,308	181.03	12,739	23,796
180.52	12,224	17,430	181.04	12,749	23,923
180.53	12,234	17,553	181.05	12,760	24,051
180.54	12,244	17,675	181.06	12,770	24,178
180.55	12,254	17,797	181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

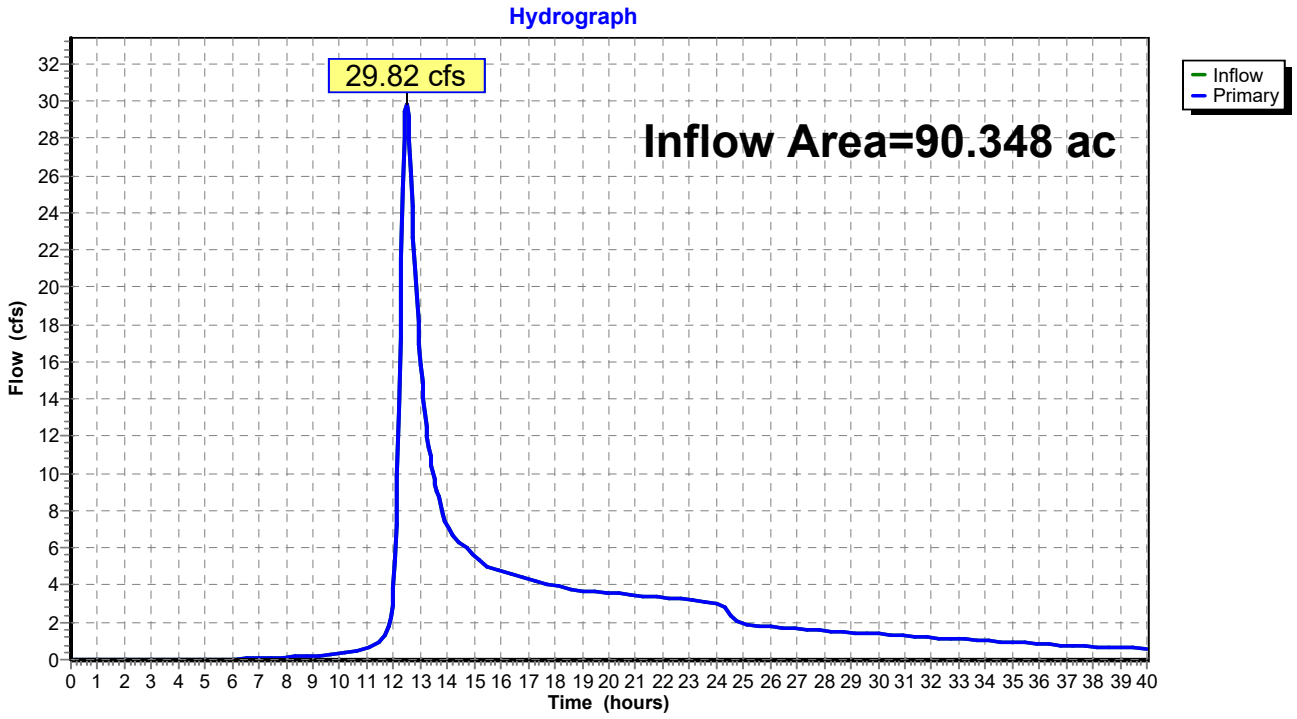
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth > 1.03" for Current 2 yr event
Inflow = 29.82 cfs @ 12.49 hrs, Volume= 7.725 af
Primary = 29.82 cfs @ 12.49 hrs, Volume= 7.725 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.01	0.00	0.01
2.50	0.00	0.00	0.00	5.10	0.01	0.00	0.01
2.55	0.00	0.00	0.00	5.15	0.01	0.00	0.01

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.01	0.00	0.01	7.80	0.11	0.00	0.11
5.25	0.01	0.00	0.01	7.85	0.11	0.00	0.11
5.30	0.02	0.00	0.02	7.90	0.11	0.00	0.11
5.35	0.02	0.00	0.02	7.95	0.12	0.00	0.12
5.40	0.02	0.00	0.02	8.00	0.12	0.00	0.12
5.45	0.02	0.00	0.02	8.05	0.12	0.00	0.12
5.50	0.02	0.00	0.02	8.10	0.13	0.00	0.13
5.55	0.02	0.00	0.02	8.15	0.13	0.00	0.13
5.60	0.02	0.00	0.02	8.20	0.13	0.00	0.13
5.65	0.03	0.00	0.03	8.25	0.14	0.00	0.14
5.70	0.03	0.00	0.03	8.30	0.14	0.00	0.14
5.75	0.03	0.00	0.03	8.35	0.14	0.00	0.14
5.80	0.03	0.00	0.03	8.40	0.14	0.00	0.14
5.85	0.03	0.00	0.03	8.45	0.15	0.00	0.15
5.90	0.03	0.00	0.03	8.50	0.15	0.00	0.15
5.95	0.03	0.00	0.03	8.55	0.15	0.00	0.15
6.00	0.04	0.00	0.04	8.60	0.16	0.00	0.16
6.05	0.04	0.00	0.04	8.65	0.16	0.00	0.16
6.10	0.04	0.00	0.04	8.70	0.16	0.00	0.16
6.15	0.04	0.00	0.04	8.75	0.17	0.00	0.17
6.20	0.04	0.00	0.04	8.80	0.17	0.00	0.17
6.25	0.04	0.00	0.04	8.85	0.17	0.00	0.17
6.30	0.04	0.00	0.04	8.90	0.18	0.00	0.18
6.35	0.05	0.00	0.05	8.95	0.18	0.00	0.18
6.40	0.05	0.00	0.05	9.00	0.18	0.00	0.18
6.45	0.05	0.00	0.05	9.05	0.19	0.00	0.19
6.50	0.05	0.00	0.05	9.10	0.19	0.00	0.19
6.55	0.05	0.00	0.05	9.15	0.19	0.00	0.19
6.60	0.05	0.00	0.05	9.20	0.20	0.00	0.20
6.65	0.06	0.00	0.06	9.25	0.20	0.00	0.20
6.70	0.06	0.00	0.06	9.30	0.20	0.00	0.20
6.75	0.06	0.00	0.06	9.35	0.21	0.00	0.21
6.80	0.06	0.00	0.06	9.40	0.22	0.00	0.22
6.85	0.06	0.00	0.06	9.45	0.22	0.00	0.22
6.90	0.07	0.00	0.07	9.50	0.23	0.00	0.23
6.95	0.07	0.00	0.07	9.55	0.23	0.00	0.23
7.00	0.07	0.00	0.07	9.60	0.24	0.00	0.24
7.05	0.07	0.00	0.07	9.65	0.25	0.00	0.25
7.10	0.07	0.00	0.07	9.70	0.26	0.00	0.26
7.15	0.08	0.00	0.08	9.75	0.27	0.00	0.27
7.20	0.08	0.00	0.08	9.80	0.27	0.00	0.27
7.25	0.08	0.00	0.08	9.85	0.28	0.00	0.28
7.30	0.08	0.00	0.08	9.90	0.29	0.00	0.29
7.35	0.09	0.00	0.09	9.95	0.30	0.00	0.30
7.40	0.09	0.00	0.09	10.00	0.31	0.00	0.31
7.45	0.09	0.00	0.09	10.05	0.32	0.00	0.32
7.50	0.09	0.00	0.09	10.10	0.33	0.00	0.33
7.55	0.10	0.00	0.10	10.15	0.34	0.00	0.34
7.60	0.10	0.00	0.10	10.20	0.35	0.00	0.35
7.65	0.10	0.00	0.10	10.25	0.36	0.00	0.36
7.70	0.10	0.00	0.10	10.30	0.37	0.00	0.37
7.75	0.11	0.00	0.11	10.35	0.38	0.00	0.38

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.39	0.00	0.39	13.00	15.83	0.00	15.83
10.45	0.40	0.00	0.40	13.05	14.85	0.00	14.85
10.50	0.41	0.00	0.41	13.10	13.98	0.00	13.98
10.55	0.42	0.00	0.42	13.15	13.23	0.00	13.23
10.60	0.43	0.00	0.43	13.20	12.56	0.00	12.56
10.65	0.44	0.00	0.44	13.25	11.96	0.00	11.96
10.70	0.45	0.00	0.45	13.30	11.42	0.00	11.42
10.75	0.47	0.00	0.47	13.35	10.94	0.00	10.94
10.80	0.48	0.00	0.48	13.40	10.49	0.00	10.49
10.85	0.50	0.00	0.50	13.45	10.08	0.00	10.08
10.90	0.52	0.00	0.52	13.50	9.71	0.00	9.71
10.95	0.55	0.00	0.55	13.55	9.36	0.00	9.36
11.00	0.58	0.00	0.58	13.60	9.04	0.00	9.04
11.05	0.60	0.00	0.60	13.65	8.74	0.00	8.74
11.10	0.63	0.00	0.63	13.70	8.45	0.00	8.45
11.15	0.67	0.00	0.67	13.75	8.18	0.00	8.18
11.20	0.70	0.00	0.70	13.80	7.92	0.00	7.92
11.25	0.74	0.00	0.74	13.85	7.69	0.00	7.69
11.30	0.78	0.00	0.78	13.90	7.48	0.00	7.48
11.35	0.83	0.00	0.83	13.95	7.30	0.00	7.30
11.40	0.88	0.00	0.88	14.00	7.14	0.00	7.14
11.45	0.94	0.00	0.94	14.05	7.01	0.00	7.01
11.50	0.99	0.00	0.99	14.10	6.89	0.00	6.89
11.55	1.06	0.00	1.06	14.15	6.79	0.00	6.79
11.60	1.13	0.00	1.13	14.20	6.70	0.00	6.70
11.65	1.21	0.00	1.21	14.25	6.62	0.00	6.62
11.70	1.31	0.00	1.31	14.30	6.54	0.00	6.54
11.75	1.45	0.00	1.45	14.35	6.47	0.00	6.47
11.80	1.64	0.00	1.64	14.40	6.40	0.00	6.40
11.85	1.89	0.00	1.89	14.45	6.33	0.00	6.33
11.90	2.28	0.00	2.28	14.50	6.26	0.00	6.26
11.95	2.90	0.00	2.90	14.55	6.20	0.00	6.20
12.00	3.87	0.00	3.87	14.60	6.13	0.00	6.13
12.05	5.26	0.00	5.26	14.65	6.07	0.00	6.07
12.10	7.23	0.00	7.23	14.70	6.00	0.00	6.00
12.15	9.88	0.00	9.88	14.75	5.94	0.00	5.94
12.20	13.31	0.00	13.31	14.80	5.87	0.00	5.87
12.25	17.35	0.00	17.35	14.85	5.81	0.00	5.81
12.30	21.58	0.00	21.58	14.90	5.74	0.00	5.74
12.35	25.34	0.00	25.34	14.95	5.68	0.00	5.68
12.40	27.99	0.00	27.99	15.00	5.61	0.00	5.61
12.45	29.47	0.00	29.47	15.05	5.54	0.00	5.54
12.50	**29.81**	0.00	**29.81**	15.10	5.48	0.00	5.48
12.55	29.20	0.00	29.20	15.15	5.41	0.00	5.41
12.60	27.91	0.00	27.91	15.20	5.34	0.00	5.34
12.65	26.21	0.00	26.21	15.25	5.27	0.00	5.27
12.70	24.36	0.00	24.36	15.30	5.21	0.00	5.21
12.75	22.64	0.00	22.64	15.35	5.15	0.00	5.15
12.80	21.05	0.00	21.05	15.40	5.09	0.00	5.09
12.85	19.56	0.00	19.56	15.45	5.04	0.00	5.04
12.90	18.18	0.00	18.18	15.50	4.99	0.00	4.99
12.95	16.93	0.00	16.93	15.55	4.95	0.00	4.95

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.92	0.00	4.92	18.20	3.89	0.00	3.89
15.65	4.88	0.00	4.88	18.25	3.87	0.00	3.87
15.70	4.85	0.00	4.85	18.30	3.86	0.00	3.86
15.75	4.83	0.00	4.83	18.35	3.84	0.00	3.84
15.80	4.80	0.00	4.80	18.40	3.82	0.00	3.82
15.85	4.77	0.00	4.77	18.45	3.81	0.00	3.81
15.90	4.75	0.00	4.75	18.50	3.79	0.00	3.79
15.95	4.73	0.00	4.73	18.55	3.78	0.00	3.78
16.00	4.71	0.00	4.71	18.60	3.77	0.00	3.77
16.05	4.69	0.00	4.69	18.65	3.76	0.00	3.76
16.10	4.67	0.00	4.67	18.70	3.75	0.00	3.75
16.15	4.64	0.00	4.64	18.75	3.74	0.00	3.74
16.20	4.63	0.00	4.63	18.80	3.74	0.00	3.74
16.25	4.61	0.00	4.61	18.85	3.73	0.00	3.73
16.30	4.59	0.00	4.59	18.90	3.72	0.00	3.72
16.35	4.57	0.00	4.57	18.95	3.71	0.00	3.71
16.40	4.55	0.00	4.55	19.00	3.71	0.00	3.71
16.45	4.54	0.00	4.54	19.05	3.70	0.00	3.70
16.50	4.52	0.00	4.52	19.10	3.70	0.00	3.70
16.55	4.50	0.00	4.50	19.15	3.69	0.00	3.69
16.60	4.48	0.00	4.48	19.20	3.68	0.00	3.68
16.65	4.47	0.00	4.47	19.25	3.68	0.00	3.68
16.70	4.45	0.00	4.45	19.30	3.67	0.00	3.67
16.75	4.43	0.00	4.43	19.35	3.67	0.00	3.67
16.80	4.42	0.00	4.42	19.40	3.66	0.00	3.66
16.85	4.40	0.00	4.40	19.45	3.65	0.00	3.65
16.90	4.38	0.00	4.38	19.50	3.65	0.00	3.65
16.95	4.36	0.00	4.36	19.55	3.64	0.00	3.64
17.00	4.34	0.00	4.34	19.60	3.64	0.00	3.64
17.05	4.33	0.00	4.33	19.65	3.63	0.00	3.63
17.10	4.31	0.00	4.31	19.70	3.62	0.00	3.62
17.15	4.29	0.00	4.29	19.75	3.62	0.00	3.62
17.20	4.27	0.00	4.27	19.80	3.61	0.00	3.61
17.25	4.25	0.00	4.25	19.85	3.61	0.00	3.61
17.30	4.24	0.00	4.24	19.90	3.60	0.00	3.60
17.35	4.22	0.00	4.22	19.95	3.59	0.00	3.59
17.40	4.20	0.00	4.20	20.00	3.59	0.00	3.59
17.45	4.18	0.00	4.18	20.05	3.58	0.00	3.58
17.50	4.16	0.00	4.16	20.10	3.58	0.00	3.58
17.55	4.14	0.00	4.14	20.15	3.57	0.00	3.57
17.60	4.12	0.00	4.12	20.20	3.56	0.00	3.56
17.65	4.11	0.00	4.11	20.25	3.56	0.00	3.56
17.70	4.09	0.00	4.09	20.30	3.55	0.00	3.55
17.75	4.07	0.00	4.07	20.35	3.55	0.00	3.55
17.80	4.05	0.00	4.05	20.40	3.54	0.00	3.54
17.85	4.03	0.00	4.03	20.45	3.53	0.00	3.53
17.90	4.01	0.00	4.01	20.50	3.53	0.00	3.53
17.95	3.99	0.00	3.99	20.55	3.52	0.00	3.52
18.00	3.97	0.00	3.97	20.60	3.51	0.00	3.51
18.05	3.95	0.00	3.95	20.65	3.51	0.00	3.51
18.10	3.93	0.00	3.93	20.70	3.50	0.00	3.50
18.15	3.91	0.00	3.91	20.75	3.50	0.00	3.50

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.49	0.00	3.49	23.40	3.14	0.00	3.14
20.85	3.48	0.00	3.48	23.45	3.13	0.00	3.13
20.90	3.48	0.00	3.48	23.50	3.13	0.00	3.13
20.95	3.47	0.00	3.47	23.55	3.12	0.00	3.12
21.00	3.46	0.00	3.46	23.60	3.11	0.00	3.11
21.05	3.46	0.00	3.46	23.65	3.11	0.00	3.11
21.10	3.45	0.00	3.45	23.70	3.10	0.00	3.10
21.15	3.44	0.00	3.44	23.75	3.09	0.00	3.09
21.20	3.44	0.00	3.44	23.80	3.08	0.00	3.08
21.25	3.43	0.00	3.43	23.85	3.08	0.00	3.08
21.30	3.43	0.00	3.43	23.90	3.07	0.00	3.07
21.35	3.42	0.00	3.42	23.95	3.06	0.00	3.06
21.40	3.41	0.00	3.41	24.00	3.06	0.00	3.06
21.45	3.41	0.00	3.41	24.05	3.05	0.00	3.05
21.50	3.40	0.00	3.40	24.10	3.05	0.00	3.05
21.55	3.39	0.00	3.39	24.15	3.03	0.00	3.03
21.60	3.39	0.00	3.39	24.20	3.00	0.00	3.00
21.65	3.38	0.00	3.38	24.25	2.94	0.00	2.94
21.70	3.37	0.00	3.37	24.30	2.85	0.00	2.85
21.75	3.37	0.00	3.37	24.35	2.74	0.00	2.74
21.80	3.36	0.00	3.36	24.40	2.62	0.00	2.62
21.85	3.35	0.00	3.35	24.45	2.49	0.00	2.49
21.90	3.35	0.00	3.35	24.50	2.38	0.00	2.38
21.95	3.34	0.00	3.34	24.55	2.28	0.00	2.28
22.00	3.33	0.00	3.33	24.60	2.19	0.00	2.19
22.05	3.33	0.00	3.33	24.65	2.13	0.00	2.13
22.10	3.32	0.00	3.32	24.70	2.07	0.00	2.07
22.15	3.31	0.00	3.31	24.75	2.03	0.00	2.03
22.20	3.31	0.00	3.31	24.80	1.99	0.00	1.99
22.25	3.30	0.00	3.30	24.85	1.97	0.00	1.97
22.30	3.29	0.00	3.29	24.90	1.94	0.00	1.94
22.35	3.29	0.00	3.29	24.95	1.92	0.00	1.92
22.40	3.28	0.00	3.28	25.00	1.90	0.00	1.90
22.45	3.27	0.00	3.27	25.05	1.89	0.00	1.89
22.50	3.27	0.00	3.27	25.10	1.88	0.00	1.88
22.55	3.26	0.00	3.26	25.15	1.87	0.00	1.87
22.60	3.25	0.00	3.25	25.20	1.86	0.00	1.86
22.65	3.25	0.00	3.25	25.25	1.85	0.00	1.85
22.70	3.24	0.00	3.24	25.30	1.84	0.00	1.84
22.75	3.23	0.00	3.23	25.35	1.83	0.00	1.83
22.80	3.23	0.00	3.23	25.40	1.83	0.00	1.83
22.85	3.22	0.00	3.22	25.45	1.82	0.00	1.82
22.90	3.21	0.00	3.21	25.50	1.81	0.00	1.81
22.95	3.20	0.00	3.20	25.55	1.81	0.00	1.81
23.00	3.20	0.00	3.20	25.60	1.80	0.00	1.80
23.05	3.19	0.00	3.19	25.65	1.80	0.00	1.80
23.10	3.18	0.00	3.18	25.70	1.79	0.00	1.79
23.15	3.18	0.00	3.18	25.75	1.79	0.00	1.79
23.20	3.17	0.00	3.17	25.80	1.78	0.00	1.78
23.25	3.16	0.00	3.16	25.85	1.78	0.00	1.78
23.30	3.16	0.00	3.16	25.90	1.77	0.00	1.77
23.35	3.15	0.00	3.15	25.95	1.77	0.00	1.77

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	1.76	0.00	1.76	28.60	1.51	0.00	1.51
26.05	1.76	0.00	1.76	28.65	1.51	0.00	1.51
26.10	1.75	0.00	1.75	28.70	1.50	0.00	1.50
26.15	1.75	0.00	1.75	28.75	1.50	0.00	1.50
26.20	1.74	0.00	1.74	28.80	1.49	0.00	1.49
26.25	1.74	0.00	1.74	28.85	1.49	0.00	1.49
26.30	1.73	0.00	1.73	28.90	1.48	0.00	1.48
26.35	1.73	0.00	1.73	28.95	1.48	0.00	1.48
26.40	1.72	0.00	1.72	29.00	1.47	0.00	1.47
26.45	1.72	0.00	1.72	29.05	1.47	0.00	1.47
26.50	1.72	0.00	1.72	29.10	1.46	0.00	1.46
26.55	1.71	0.00	1.71	29.15	1.46	0.00	1.46
26.60	1.71	0.00	1.71	29.20	1.45	0.00	1.45
26.65	1.70	0.00	1.70	29.25	1.45	0.00	1.45
26.70	1.70	0.00	1.70	29.30	1.44	0.00	1.44
26.75	1.69	0.00	1.69	29.35	1.44	0.00	1.44
26.80	1.69	0.00	1.69	29.40	1.43	0.00	1.43
26.85	1.68	0.00	1.68	29.45	1.43	0.00	1.43
26.90	1.68	0.00	1.68	29.50	1.42	0.00	1.42
26.95	1.67	0.00	1.67	29.55	1.42	0.00	1.42
27.00	1.67	0.00	1.67	29.60	1.41	0.00	1.41
27.05	1.66	0.00	1.66	29.65	1.41	0.00	1.41
27.10	1.66	0.00	1.66	29.70	1.40	0.00	1.40
27.15	1.65	0.00	1.65	29.75	1.40	0.00	1.40
27.20	1.65	0.00	1.65	29.80	1.39	0.00	1.39
27.25	1.64	0.00	1.64	29.85	1.39	0.00	1.39
27.30	1.64	0.00	1.64	29.90	1.39	0.00	1.39
27.35	1.63	0.00	1.63	29.95	1.38	0.00	1.38
27.40	1.63	0.00	1.63	30.00	1.38	0.00	1.38
27.45	1.62	0.00	1.62	30.05	1.37	0.00	1.37
27.50	1.62	0.00	1.62	30.10	1.37	0.00	1.37
27.55	1.61	0.00	1.61	30.15	1.36	0.00	1.36
27.60	1.61	0.00	1.61	30.20	1.36	0.00	1.36
27.65	1.60	0.00	1.60	30.25	1.35	0.00	1.35
27.70	1.60	0.00	1.60	30.30	1.35	0.00	1.35
27.75	1.59	0.00	1.59	30.35	1.34	0.00	1.34
27.80	1.59	0.00	1.59	30.40	1.34	0.00	1.34
27.85	1.58	0.00	1.58	30.45	1.33	0.00	1.33
27.90	1.58	0.00	1.58	30.50	1.33	0.00	1.33
27.95	1.57	0.00	1.57	30.55	1.32	0.00	1.32
28.00	1.57	0.00	1.57	30.60	1.32	0.00	1.32
28.05	1.56	0.00	1.56	30.65	1.32	0.00	1.32
28.10	1.56	0.00	1.56	30.70	1.31	0.00	1.31
28.15	1.55	0.00	1.55	30.75	1.31	0.00	1.31
28.20	1.55	0.00	1.55	30.80	1.30	0.00	1.30
28.25	1.55	0.00	1.55	30.85	1.30	0.00	1.30
28.30	1.54	0.00	1.54	30.90	1.29	0.00	1.29
28.35	1.54	0.00	1.54	30.95	1.29	0.00	1.29
28.40	1.53	0.00	1.53	31.00	1.28	0.00	1.28
28.45	1.53	0.00	1.53	31.05	1.28	0.00	1.28
28.50	1.52	0.00	1.52	31.10	1.27	0.00	1.27
28.55	1.52	0.00	1.52	31.15	1.27	0.00	1.27

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	1.26	0.00	1.26	33.80	1.04	0.00	1.04
31.25	1.26	0.00	1.26	33.85	1.03	0.00	1.03
31.30	1.26	0.00	1.26	33.90	1.03	0.00	1.03
31.35	1.25	0.00	1.25	33.95	1.02	0.00	1.02
31.40	1.25	0.00	1.25	34.00	1.02	0.00	1.02
31.45	1.24	0.00	1.24	34.05	1.01	0.00	1.01
31.50	1.24	0.00	1.24	34.10	1.01	0.00	1.01
31.55	1.23	0.00	1.23	34.15	1.01	0.00	1.01
31.60	1.23	0.00	1.23	34.20	1.00	0.00	1.00
31.65	1.22	0.00	1.22	34.25	1.00	0.00	1.00
31.70	1.22	0.00	1.22	34.30	0.99	0.00	0.99
31.75	1.21	0.00	1.21	34.35	0.99	0.00	0.99
31.80	1.21	0.00	1.21	34.40	0.98	0.00	0.98
31.85	1.20	0.00	1.20	34.45	0.98	0.00	0.98
31.90	1.20	0.00	1.20	34.50	0.98	0.00	0.98
31.95	1.20	0.00	1.20	34.55	0.97	0.00	0.97
32.00	1.19	0.00	1.19	34.60	0.97	0.00	0.97
32.05	1.19	0.00	1.19	34.65	0.96	0.00	0.96
32.10	1.18	0.00	1.18	34.70	0.96	0.00	0.96
32.15	1.18	0.00	1.18	34.75	0.95	0.00	0.95
32.20	1.17	0.00	1.17	34.80	0.95	0.00	0.95
32.25	1.17	0.00	1.17	34.85	0.95	0.00	0.95
32.30	1.16	0.00	1.16	34.90	0.94	0.00	0.94
32.35	1.16	0.00	1.16	34.95	0.94	0.00	0.94
32.40	1.16	0.00	1.16	35.00	0.93	0.00	0.93
32.45	1.15	0.00	1.15	35.05	0.93	0.00	0.93
32.50	1.15	0.00	1.15	35.10	0.92	0.00	0.92
32.55	1.14	0.00	1.14	35.15	0.92	0.00	0.92
32.60	1.14	0.00	1.14	35.20	0.92	0.00	0.92
32.65	1.13	0.00	1.13	35.25	0.91	0.00	0.91
32.70	1.13	0.00	1.13	35.30	0.91	0.00	0.91
32.75	1.13	0.00	1.13	35.35	0.90	0.00	0.90
32.80	1.12	0.00	1.12	35.40	0.90	0.00	0.90
32.85	1.12	0.00	1.12	35.45	0.90	0.00	0.90
32.90	1.11	0.00	1.11	35.50	0.89	0.00	0.89
32.95	1.11	0.00	1.11	35.55	0.89	0.00	0.89
33.00	1.10	0.00	1.10	35.60	0.88	0.00	0.88
33.05	1.10	0.00	1.10	35.65	0.88	0.00	0.88
33.10	1.09	0.00	1.09	35.70	0.88	0.00	0.88
33.15	1.09	0.00	1.09	35.75	0.87	0.00	0.87
33.20	1.09	0.00	1.09	35.80	0.87	0.00	0.87
33.25	1.08	0.00	1.08	35.85	0.86	0.00	0.86
33.30	1.08	0.00	1.08	35.90	0.86	0.00	0.86
33.35	1.07	0.00	1.07	35.95	0.86	0.00	0.86
33.40	1.07	0.00	1.07	36.00	0.85	0.00	0.85
33.45	1.06	0.00	1.06	36.05	0.85	0.00	0.85
33.50	1.06	0.00	1.06	36.10	0.84	0.00	0.84
33.55	1.06	0.00	1.06	36.15	0.84	0.00	0.84
33.60	1.05	0.00	1.05	36.20	0.84	0.00	0.84
33.65	1.05	0.00	1.05	36.25	0.83	0.00	0.83
33.70	1.04	0.00	1.04	36.30	0.83	0.00	0.83
33.75	1.04	0.00	1.04	36.35	0.83	0.00	0.83

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

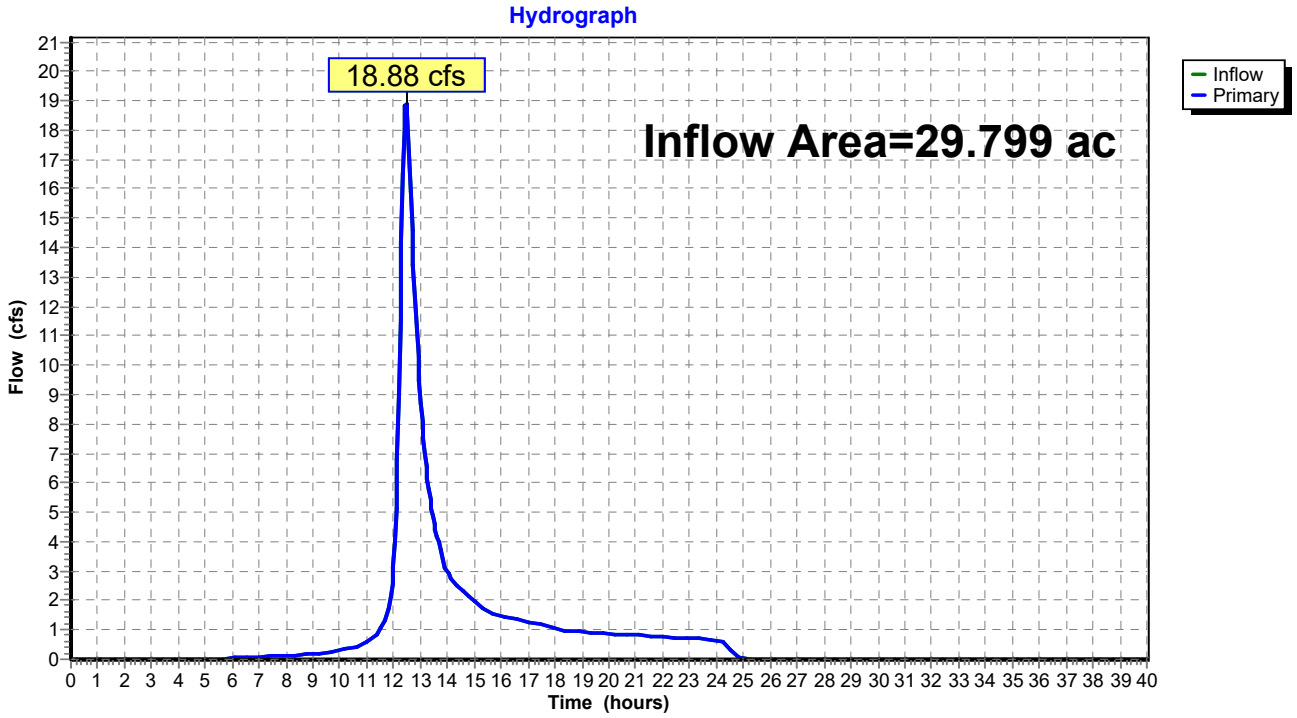
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.82	0.00	0.82
36.45	0.82	0.00	0.82
36.50	0.81	0.00	0.81
36.55	0.81	0.00	0.81
36.60	0.81	0.00	0.81
36.65	0.80	0.00	0.80
36.70	0.80	0.00	0.80
36.75	0.79	0.00	0.79
36.80	0.79	0.00	0.79
36.85	0.79	0.00	0.79
36.90	0.78	0.00	0.78
36.95	0.78	0.00	0.78
37.00	0.78	0.00	0.78
37.05	0.77	0.00	0.77
37.10	0.77	0.00	0.77
37.15	0.76	0.00	0.76
37.20	0.76	0.00	0.76
37.25	0.76	0.00	0.76
37.30	0.75	0.00	0.75
37.35	0.75	0.00	0.75
37.40	0.75	0.00	0.75
37.45	0.74	0.00	0.74
37.50	0.74	0.00	0.74
37.55	0.73	0.00	0.73
37.60	0.73	0.00	0.73
37.65	0.73	0.00	0.73
37.70	0.72	0.00	0.72
37.75	0.72	0.00	0.72
37.80	0.72	0.00	0.72
37.85	0.71	0.00	0.71
37.90	0.71	0.00	0.71
37.95	0.71	0.00	0.71
38.00	0.70	0.00	0.70
38.05	0.70	0.00	0.70
38.10	0.70	0.00	0.70
38.15	0.69	0.00	0.69
38.20	0.69	0.00	0.69
38.25	0.69	0.00	0.69
38.30	0.68	0.00	0.68
38.35	0.68	0.00	0.68
38.40	0.68	0.00	0.68
38.45	0.67	0.00	0.67
38.50	0.67	0.00	0.67
38.55	0.67	0.00	0.67
38.60	0.67	0.00	0.67
38.65	0.66	0.00	0.66
38.70	0.66	0.00	0.66
38.75	0.66	0.00	0.66
38.80	0.65	0.00	0.65
38.85	0.65	0.00	0.65
38.90	0.65	0.00	0.65
38.95	0.64	0.00	0.64
39.00	0.64	0.00	0.64
39.05	0.64	0.00	0.64
39.10	0.63	0.00	0.63
39.15	0.63	0.00	0.63
39.20	0.63	0.00	0.63
39.25	0.63	0.00	0.63
39.30	0.62	0.00	0.62
39.35	0.62	0.00	0.62
39.40	0.62	0.00	0.62
39.45	0.61	0.00	0.61
39.50	0.61	0.00	0.61
39.55	0.61	0.00	0.61
39.60	0.61	0.00	0.61
39.65	0.60	0.00	0.60
39.70	0.60	0.00	0.60
39.75	0.60	0.00	0.60
39.80	0.60	0.00	0.60
39.85	0.59	0.00	0.59
39.90	0.59	0.00	0.59
39.95	0.59	0.00	0.59
40.00	0.58	0.00	0.58

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.05" for Current 2 yr event
Inflow = 18.88 cfs @ 12.48 hrs, Volume= 2.610 af
Primary = 18.88 cfs @ 12.48 hrs, Volume= 2.610 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.01	0.00	0.01
2.30	0.00	0.00	0.00	4.90	0.01	0.00	0.01
2.35	0.00	0.00	0.00	4.95	0.01	0.00	0.01
2.40	0.00	0.00	0.00	5.00	0.01	0.00	0.01
2.45	0.00	0.00	0.00	5.05	0.01	0.00	0.01
2.50	0.00	0.00	0.00	5.10	0.01	0.00	0.01
2.55	0.00	0.00	0.00	5.15	0.01	0.00	0.01

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.01	0.00	0.01	7.80	0.11	0.00	0.11
5.25	0.01	0.00	0.01	7.85	0.11	0.00	0.11
5.30	0.02	0.00	0.02	7.90	0.11	0.00	0.11
5.35	0.02	0.00	0.02	7.95	0.12	0.00	0.12
5.40	0.02	0.00	0.02	8.00	0.12	0.00	0.12
5.45	0.02	0.00	0.02	8.05	0.12	0.00	0.12
5.50	0.02	0.00	0.02	8.10	0.13	0.00	0.13
5.55	0.02	0.00	0.02	8.15	0.13	0.00	0.13
5.60	0.02	0.00	0.02	8.20	0.13	0.00	0.13
5.65	0.03	0.00	0.03	8.25	0.14	0.00	0.14
5.70	0.03	0.00	0.03	8.30	0.14	0.00	0.14
5.75	0.03	0.00	0.03	8.35	0.14	0.00	0.14
5.80	0.03	0.00	0.03	8.40	0.14	0.00	0.14
5.85	0.03	0.00	0.03	8.45	0.15	0.00	0.15
5.90	0.03	0.00	0.03	8.50	0.15	0.00	0.15
5.95	0.03	0.00	0.03	8.55	0.15	0.00	0.15
6.00	0.04	0.00	0.04	8.60	0.16	0.00	0.16
6.05	0.04	0.00	0.04	8.65	0.16	0.00	0.16
6.10	0.04	0.00	0.04	8.70	0.16	0.00	0.16
6.15	0.04	0.00	0.04	8.75	0.17	0.00	0.17
6.20	0.04	0.00	0.04	8.80	0.17	0.00	0.17
6.25	0.04	0.00	0.04	8.85	0.17	0.00	0.17
6.30	0.04	0.00	0.04	8.90	0.18	0.00	0.18
6.35	0.05	0.00	0.05	8.95	0.18	0.00	0.18
6.40	0.05	0.00	0.05	9.00	0.18	0.00	0.18
6.45	0.05	0.00	0.05	9.05	0.19	0.00	0.19
6.50	0.05	0.00	0.05	9.10	0.19	0.00	0.19
6.55	0.05	0.00	0.05	9.15	0.19	0.00	0.19
6.60	0.05	0.00	0.05	9.20	0.20	0.00	0.20
6.65	0.06	0.00	0.06	9.25	0.20	0.00	0.20
6.70	0.06	0.00	0.06	9.30	0.20	0.00	0.20
6.75	0.06	0.00	0.06	9.35	0.21	0.00	0.21
6.80	0.06	0.00	0.06	9.40	0.22	0.00	0.22
6.85	0.06	0.00	0.06	9.45	0.22	0.00	0.22
6.90	0.07	0.00	0.07	9.50	0.23	0.00	0.23
6.95	0.07	0.00	0.07	9.55	0.23	0.00	0.23
7.00	0.07	0.00	0.07	9.60	0.24	0.00	0.24
7.05	0.07	0.00	0.07	9.65	0.25	0.00	0.25
7.10	0.07	0.00	0.07	9.70	0.26	0.00	0.26
7.15	0.08	0.00	0.08	9.75	0.27	0.00	0.27
7.20	0.08	0.00	0.08	9.80	0.27	0.00	0.27
7.25	0.08	0.00	0.08	9.85	0.28	0.00	0.28
7.30	0.08	0.00	0.08	9.90	0.29	0.00	0.29
7.35	0.09	0.00	0.09	9.95	0.30	0.00	0.30
7.40	0.09	0.00	0.09	10.00	0.31	0.00	0.31
7.45	0.09	0.00	0.09	10.05	0.32	0.00	0.32
7.50	0.09	0.00	0.09	10.10	0.33	0.00	0.33
7.55	0.10	0.00	0.10	10.15	0.34	0.00	0.34
7.60	0.10	0.00	0.10	10.20	0.35	0.00	0.35
7.65	0.10	0.00	0.10	10.25	0.36	0.00	0.36
7.70	0.10	0.00	0.10	10.30	0.37	0.00	0.37
7.75	0.11	0.00	0.11	10.35	0.38	0.00	0.38

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.39	0.00	0.39	13.00	8.72	0.00	8.72
10.45	0.40	0.00	0.40	13.05	8.06	0.00	8.06
10.50	0.41	0.00	0.41	13.10	7.48	0.00	7.48
10.55	0.42	0.00	0.42	13.15	6.98	0.00	6.98
10.60	0.43	0.00	0.43	13.20	6.53	0.00	6.53
10.65	0.44	0.00	0.44	13.25	6.13	0.00	6.13
10.70	0.45	0.00	0.45	13.30	5.77	0.00	5.77
10.75	0.47	0.00	0.47	13.35	5.44	0.00	5.44
10.80	0.48	0.00	0.48	13.40	5.14	0.00	5.14
10.85	0.50	0.00	0.50	13.45	4.86	0.00	4.86
10.90	0.52	0.00	0.52	13.50	4.61	0.00	4.61
10.95	0.55	0.00	0.55	13.55	4.39	0.00	4.39
11.00	0.58	0.00	0.58	13.60	4.18	0.00	4.18
11.05	0.60	0.00	0.60	13.65	3.98	0.00	3.98
11.10	0.63	0.00	0.63	13.70	3.80	0.00	3.80
11.15	0.67	0.00	0.67	13.75	3.62	0.00	3.62
11.20	0.70	0.00	0.70	13.80	3.45	0.00	3.45
11.25	0.74	0.00	0.74	13.85	3.30	0.00	3.30
11.30	0.78	0.00	0.78	13.90	3.17	0.00	3.17
11.35	0.83	0.00	0.83	13.95	3.05	0.00	3.05
11.40	0.88	0.00	0.88	14.00	2.95	0.00	2.95
11.45	0.94	0.00	0.94	14.05	2.86	0.00	2.86
11.50	0.99	0.00	0.99	14.10	2.79	0.00	2.79
11.55	1.06	0.00	1.06	14.15	2.72	0.00	2.72
11.60	1.13	0.00	1.13	14.20	2.66	0.00	2.66
11.65	1.21	0.00	1.21	14.25	2.60	0.00	2.60
11.70	1.31	0.00	1.31	14.30	2.55	0.00	2.55
11.75	1.45	0.00	1.45	14.35	2.50	0.00	2.50
11.80	1.63	0.00	1.63	14.40	2.46	0.00	2.46
11.85	1.86	0.00	1.86	14.45	2.41	0.00	2.41
11.90	2.17	0.00	2.17	14.50	2.37	0.00	2.37
11.95	2.58	0.00	2.58	14.55	2.33	0.00	2.33
12.00	3.15	0.00	3.15	14.60	2.29	0.00	2.29
12.05	3.94	0.00	3.94	14.65	2.25	0.00	2.25
12.10	5.10	0.00	5.10	14.70	2.21	0.00	2.21
12.15	6.77	0.00	6.77	14.75	2.17	0.00	2.17
12.20	8.97	0.00	8.97	14.80	2.13	0.00	2.13
12.25	11.55	0.00	11.55	14.85	2.09	0.00	2.09
12.30	14.21	0.00	14.21	14.90	2.06	0.00	2.06
12.35	16.51	0.00	16.51	14.95	2.02	0.00	2.02
12.40	18.05	0.00	18.05	15.00	1.98	0.00	1.98
12.45	18.80	0.00	18.80	15.05	1.94	0.00	1.94
12.50	**18.81**	0.00	**18.81**	15.10	1.90	0.00	1.90
12.55	18.21	0.00	18.21	15.15	1.86	0.00	1.86
12.60	17.19	0.00	17.19	15.20	1.83	0.00	1.83
12.65	15.93	0.00	15.93	15.25	1.79	0.00	1.79
12.70	14.60	0.00	14.60	15.30	1.75	0.00	1.75
12.75	13.39	0.00	13.39	15.35	1.72	0.00	1.72
12.80	12.28	0.00	12.28	15.40	1.69	0.00	1.69
12.85	11.25	0.00	11.25	15.45	1.66	0.00	1.66
12.90	10.31	0.00	10.31	15.50	1.63	0.00	1.63
12.95	9.46	0.00	9.46	15.55	1.61	0.00	1.61

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.59	0.00	1.59	18.20	1.02	0.00	1.02
15.65	1.57	0.00	1.57	18.25	1.01	0.00	1.01
15.70	1.55	0.00	1.55	18.30	1.00	0.00	1.00
15.75	1.54	0.00	1.54	18.35	0.99	0.00	0.99
15.80	1.53	0.00	1.53	18.40	0.98	0.00	0.98
15.85	1.51	0.00	1.51	18.45	0.97	0.00	0.97
15.90	1.50	0.00	1.50	18.50	0.96	0.00	0.96
15.95	1.49	0.00	1.49	18.55	0.96	0.00	0.96
16.00	1.48	0.00	1.48	18.60	0.95	0.00	0.95
16.05	1.47	0.00	1.47	18.65	0.95	0.00	0.95
16.10	1.46	0.00	1.46	18.70	0.94	0.00	0.94
16.15	1.44	0.00	1.44	18.75	0.94	0.00	0.94
16.20	1.43	0.00	1.43	18.80	0.93	0.00	0.93
16.25	1.42	0.00	1.42	18.85	0.93	0.00	0.93
16.30	1.41	0.00	1.41	18.90	0.93	0.00	0.93
16.35	1.40	0.00	1.40	18.95	0.92	0.00	0.92
16.40	1.39	0.00	1.39	19.00	0.92	0.00	0.92
16.45	1.38	0.00	1.38	19.05	0.92	0.00	0.92
16.50	1.37	0.00	1.37	19.10	0.92	0.00	0.92
16.55	1.36	0.00	1.36	19.15	0.91	0.00	0.91
16.60	1.35	0.00	1.35	19.20	0.91	0.00	0.91
16.65	1.34	0.00	1.34	19.25	0.91	0.00	0.91
16.70	1.33	0.00	1.33	19.30	0.90	0.00	0.90
16.75	1.32	0.00	1.32	19.35	0.90	0.00	0.90
16.80	1.31	0.00	1.31	19.40	0.90	0.00	0.90
16.85	1.30	0.00	1.30	19.45	0.90	0.00	0.90
16.90	1.29	0.00	1.29	19.50	0.89	0.00	0.89
16.95	1.28	0.00	1.28	19.55	0.89	0.00	0.89
17.00	1.27	0.00	1.27	19.60	0.89	0.00	0.89
17.05	1.26	0.00	1.26	19.65	0.89	0.00	0.89
17.10	1.25	0.00	1.25	19.70	0.88	0.00	0.88
17.15	1.24	0.00	1.24	19.75	0.88	0.00	0.88
17.20	1.23	0.00	1.23	19.80	0.88	0.00	0.88
17.25	1.22	0.00	1.22	19.85	0.88	0.00	0.88
17.30	1.21	0.00	1.21	19.90	0.87	0.00	0.87
17.35	1.20	0.00	1.20	19.95	0.87	0.00	0.87
17.40	1.19	0.00	1.19	20.00	0.87	0.00	0.87
17.45	1.18	0.00	1.18	20.05	0.87	0.00	0.87
17.50	1.17	0.00	1.17	20.10	0.87	0.00	0.87
17.55	1.16	0.00	1.16	20.15	0.86	0.00	0.86
17.60	1.15	0.00	1.15	20.20	0.86	0.00	0.86
17.65	1.14	0.00	1.14	20.25	0.86	0.00	0.86
17.70	1.12	0.00	1.12	20.30	0.85	0.00	0.85
17.75	1.11	0.00	1.11	20.35	0.85	0.00	0.85
17.80	1.10	0.00	1.10	20.40	0.85	0.00	0.85
17.85	1.09	0.00	1.09	20.45	0.85	0.00	0.85
17.90	1.08	0.00	1.08	20.50	0.84	0.00	0.84
17.95	1.07	0.00	1.07	20.55	0.84	0.00	0.84
18.00	1.06	0.00	1.06	20.60	0.84	0.00	0.84
18.05	1.05	0.00	1.05	20.65	0.84	0.00	0.84
18.10	1.04	0.00	1.04	20.70	0.83	0.00	0.83
18.15	1.03	0.00	1.03	20.75	0.83	0.00	0.83

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.83	0.00	0.83	23.40	0.69	0.00	0.69
20.85	0.83	0.00	0.83	23.45	0.68	0.00	0.68
20.90	0.82	0.00	0.82	23.50	0.68	0.00	0.68
20.95	0.82	0.00	0.82	23.55	0.68	0.00	0.68
21.00	0.82	0.00	0.82	23.60	0.68	0.00	0.68
21.05	0.82	0.00	0.82	23.65	0.67	0.00	0.67
21.10	0.81	0.00	0.81	23.70	0.67	0.00	0.67
21.15	0.81	0.00	0.81	23.75	0.67	0.00	0.67
21.20	0.81	0.00	0.81	23.80	0.67	0.00	0.67
21.25	0.80	0.00	0.80	23.85	0.66	0.00	0.66
21.30	0.80	0.00	0.80	23.90	0.66	0.00	0.66
21.35	0.80	0.00	0.80	23.95	0.66	0.00	0.66
21.40	0.80	0.00	0.80	24.00	0.66	0.00	0.66
21.45	0.79	0.00	0.79	24.05	0.65	0.00	0.65
21.50	0.79	0.00	0.79	24.10	0.65	0.00	0.65
21.55	0.79	0.00	0.79	24.15	0.64	0.00	0.64
21.60	0.79	0.00	0.79	24.20	0.63	0.00	0.63
21.65	0.78	0.00	0.78	24.25	0.60	0.00	0.60
21.70	0.78	0.00	0.78	24.30	0.55	0.00	0.55
21.75	0.78	0.00	0.78	24.35	0.48	0.00	0.48
21.80	0.78	0.00	0.78	24.40	0.41	0.00	0.41
21.85	0.77	0.00	0.77	24.45	0.34	0.00	0.34
21.90	0.77	0.00	0.77	24.50	0.28	0.00	0.28
21.95	0.77	0.00	0.77	24.55	0.22	0.00	0.22
22.00	0.77	0.00	0.77	24.60	0.17	0.00	0.17
22.05	0.76	0.00	0.76	24.65	0.14	0.00	0.14
22.10	0.76	0.00	0.76	24.70	0.11	0.00	0.11
22.15	0.76	0.00	0.76	24.75	0.09	0.00	0.09
22.20	0.75	0.00	0.75	24.80	0.07	0.00	0.07
22.25	0.75	0.00	0.75	24.85	0.05	0.00	0.05
22.30	0.75	0.00	0.75	24.90	0.04	0.00	0.04
22.35	0.75	0.00	0.75	24.95	0.03	0.00	0.03
22.40	0.74	0.00	0.74	25.00	0.03	0.00	0.03
22.45	0.74	0.00	0.74	25.05	0.02	0.00	0.02
22.50	0.74	0.00	0.74	25.10	0.02	0.00	0.02
22.55	0.74	0.00	0.74	25.15	0.01	0.00	0.01
22.60	0.73	0.00	0.73	25.20	0.01	0.00	0.01
22.65	0.73	0.00	0.73	25.25	0.01	0.00	0.01
22.70	0.73	0.00	0.73	25.30	0.01	0.00	0.01
22.75	0.72	0.00	0.72	25.35	0.00	0.00	0.00
22.80	0.72	0.00	0.72	25.40	0.00	0.00	0.00
22.85	0.72	0.00	0.72	25.45	0.00	0.00	0.00
22.90	0.72	0.00	0.72	25.50	0.00	0.00	0.00
22.95	0.71	0.00	0.71	25.55	0.00	0.00	0.00
23.00	0.71	0.00	0.71	25.60	0.00	0.00	0.00
23.05	0.71	0.00	0.71	25.65	0.00	0.00	0.00
23.10	0.70	0.00	0.70	25.70	0.00	0.00	0.00
23.15	0.70	0.00	0.70	25.75	0.00	0.00	0.00
23.20	0.70	0.00	0.70	25.80	0.00	0.00	0.00
23.25	0.70	0.00	0.70	25.85	0.00	0.00	0.00
23.30	0.69	0.00	0.69	25.90	0.00	0.00	0.00
23.35	0.69	0.00	0.69	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

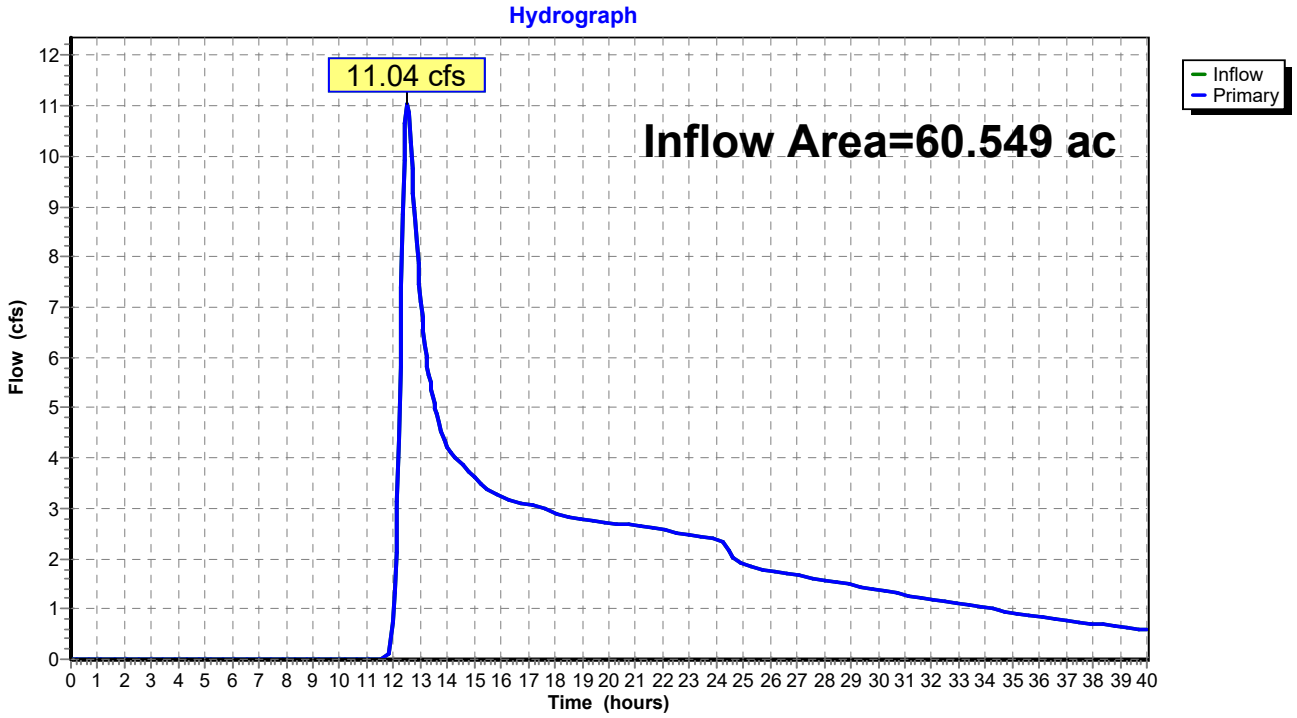
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 1.01" for Current 2 yr event
Inflow = 11.04 cfs @ 12.52 hrs, Volume= 5.114 af
Primary = 11.04 cfs @ 12.52 hrs, Volume= 5.114 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	7.11	0.00	7.11
10.45	0.00	0.00	0.00	13.05	6.79	0.00	6.79
10.50	0.00	0.00	0.00	13.10	6.50	0.00	6.50
10.55	0.00	0.00	0.00	13.15	6.25	0.00	6.25
10.60	0.00	0.00	0.00	13.20	6.03	0.00	6.03
10.65	0.00	0.00	0.00	13.25	5.83	0.00	5.83
10.70	0.00	0.00	0.00	13.30	5.66	0.00	5.66
10.75	0.00	0.00	0.00	13.35	5.50	0.00	5.50
10.80	0.00	0.00	0.00	13.40	5.35	0.00	5.35
10.85	0.00	0.00	0.00	13.45	5.22	0.00	5.22
10.90	0.00	0.00	0.00	13.50	5.09	0.00	5.09
10.95	0.00	0.00	0.00	13.55	4.98	0.00	4.98
11.00	0.00	0.00	0.00	13.60	4.86	0.00	4.86
11.05	0.00	0.00	0.00	13.65	4.76	0.00	4.76
11.10	0.00	0.00	0.00	13.70	4.66	0.00	4.66
11.15	0.00	0.00	0.00	13.75	4.56	0.00	4.56
11.20	0.00	0.00	0.00	13.80	4.47	0.00	4.47
11.25	0.00	0.00	0.00	13.85	4.39	0.00	4.39
11.30	0.00	0.00	0.00	13.90	4.31	0.00	4.31
11.35	0.00	0.00	0.00	13.95	4.24	0.00	4.24
11.40	0.00	0.00	0.00	14.00	4.19	0.00	4.19
11.45	0.00	0.00	0.00	14.05	4.14	0.00	4.14
11.50	0.00	0.00	0.00	14.10	4.11	0.00	4.11
11.55	0.00	0.00	0.00	14.15	4.07	0.00	4.07
11.60	0.00	0.00	0.00	14.20	4.04	0.00	4.04
11.65	0.00	0.00	0.00	14.25	4.02	0.00	4.02
11.70	0.00	0.00	0.00	14.30	3.99	0.00	3.99
11.75	0.00	0.00	0.00	14.35	3.96	0.00	3.96
11.80	0.01	0.00	0.01	14.40	3.94	0.00	3.94
11.85	0.03	0.00	0.03	14.45	3.92	0.00	3.92
11.90	0.11	0.00	0.11	14.50	3.89	0.00	3.89
11.95	0.32	0.00	0.32	14.55	3.87	0.00	3.87
12.00	0.72	0.00	0.72	14.60	3.84	0.00	3.84
12.05	1.32	0.00	1.32	14.65	3.82	0.00	3.82
12.10	2.13	0.00	2.13	14.70	3.79	0.00	3.79
12.15	3.12	0.00	3.12	14.75	3.77	0.00	3.77
12.20	4.34	0.00	4.34	14.80	3.74	0.00	3.74
12.25	5.80	0.00	5.80	14.85	3.71	0.00	3.71
12.30	7.37	0.00	7.37	14.90	3.69	0.00	3.69
12.35	8.83	0.00	8.83	14.95	3.66	0.00	3.66
12.40	9.94	0.00	9.94	15.00	3.63	0.00	3.63
12.45	10.66	0.00	10.66	15.05	3.60	0.00	3.60
12.50	**11.00**	0.00	**11.00**	15.10	3.57	0.00	3.57
12.55	10.99	0.00	10.99	15.15	3.54	0.00	3.54
12.60	10.72	0.00	10.72	15.20	3.51	0.00	3.51
12.65	10.28	0.00	10.28	15.25	3.49	0.00	3.49
12.70	9.76	0.00	9.76	15.30	3.46	0.00	3.46
12.75	9.25	0.00	9.25	15.35	3.43	0.00	3.43
12.80	8.77	0.00	8.77	15.40	3.41	0.00	3.41
12.85	8.31	0.00	8.31	15.45	3.38	0.00	3.38
12.90	7.87	0.00	7.87	15.50	3.36	0.00	3.36
12.95	7.47	0.00	7.47	15.55	3.34	0.00	3.34

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.33	0.00	3.33	18.20	2.88	0.00	2.88
15.65	3.31	0.00	3.31	18.25	2.87	0.00	2.87
15.70	3.30	0.00	3.30	18.30	2.86	0.00	2.86
15.75	3.29	0.00	3.29	18.35	2.85	0.00	2.85
15.80	3.27	0.00	3.27	18.40	2.84	0.00	2.84
15.85	3.26	0.00	3.26	18.45	2.84	0.00	2.84
15.90	3.25	0.00	3.25	18.50	2.83	0.00	2.83
15.95	3.24	0.00	3.24	18.55	2.83	0.00	2.83
16.00	3.23	0.00	3.23	18.60	2.82	0.00	2.82
16.05	3.22	0.00	3.22	18.65	2.82	0.00	2.82
16.10	3.21	0.00	3.21	18.70	2.81	0.00	2.81
16.15	3.20	0.00	3.20	18.75	2.81	0.00	2.81
16.20	3.19	0.00	3.19	18.80	2.80	0.00	2.80
16.25	3.18	0.00	3.18	18.85	2.80	0.00	2.80
16.30	3.18	0.00	3.18	18.90	2.79	0.00	2.79
16.35	3.17	0.00	3.17	18.95	2.79	0.00	2.79
16.40	3.16	0.00	3.16	19.00	2.79	0.00	2.79
16.45	3.15	0.00	3.15	19.05	2.78	0.00	2.78
16.50	3.14	0.00	3.14	19.10	2.78	0.00	2.78
16.55	3.14	0.00	3.14	19.15	2.78	0.00	2.78
16.60	3.13	0.00	3.13	19.20	2.77	0.00	2.77
16.65	3.12	0.00	3.12	19.25	2.77	0.00	2.77
16.70	3.12	0.00	3.12	19.30	2.77	0.00	2.77
16.75	3.11	0.00	3.11	19.35	2.76	0.00	2.76
16.80	3.10	0.00	3.10	19.40	2.76	0.00	2.76
16.85	3.10	0.00	3.10	19.45	2.76	0.00	2.76
16.90	3.09	0.00	3.09	19.50	2.75	0.00	2.75
16.95	3.08	0.00	3.08	19.55	2.75	0.00	2.75
17.00	3.07	0.00	3.07	19.60	2.75	0.00	2.75
17.05	3.07	0.00	3.07	19.65	2.74	0.00	2.74
17.10	3.06	0.00	3.06	19.70	2.74	0.00	2.74
17.15	3.05	0.00	3.05	19.75	2.74	0.00	2.74
17.20	3.04	0.00	3.04	19.80	2.73	0.00	2.73
17.25	3.04	0.00	3.04	19.85	2.73	0.00	2.73
17.30	3.03	0.00	3.03	19.90	2.73	0.00	2.73
17.35	3.02	0.00	3.02	19.95	2.72	0.00	2.72
17.40	3.01	0.00	3.01	20.00	2.72	0.00	2.72
17.45	3.00	0.00	3.00	20.05	2.72	0.00	2.72
17.50	3.00	0.00	3.00	20.10	2.71	0.00	2.71
17.55	2.99	0.00	2.99	20.15	2.71	0.00	2.71
17.60	2.98	0.00	2.98	20.20	2.70	0.00	2.70
17.65	2.97	0.00	2.97	20.25	2.70	0.00	2.70
17.70	2.96	0.00	2.96	20.30	2.70	0.00	2.70
17.75	2.95	0.00	2.95	20.35	2.69	0.00	2.69
17.80	2.95	0.00	2.95	20.40	2.69	0.00	2.69
17.85	2.94	0.00	2.94	20.45	2.69	0.00	2.69
17.90	2.93	0.00	2.93	20.50	2.68	0.00	2.68
17.95	2.92	0.00	2.92	20.55	2.68	0.00	2.68
18.00	2.91	0.00	2.91	20.60	2.68	0.00	2.68
18.05	2.90	0.00	2.90	20.65	2.67	0.00	2.67
18.10	2.89	0.00	2.89	20.70	2.67	0.00	2.67
18.15	2.89	0.00	2.89	20.75	2.66	0.00	2.66

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.66	0.00	2.66	23.40	2.45	0.00	2.45
20.85	2.66	0.00	2.66	23.45	2.45	0.00	2.45
20.90	2.65	0.00	2.65	23.50	2.45	0.00	2.45
20.95	2.65	0.00	2.65	23.55	2.44	0.00	2.44
21.00	2.65	0.00	2.65	23.60	2.44	0.00	2.44
21.05	2.64	0.00	2.64	23.65	2.43	0.00	2.43
21.10	2.64	0.00	2.64	23.70	2.43	0.00	2.43
21.15	2.63	0.00	2.63	23.75	2.42	0.00	2.42
21.20	2.63	0.00	2.63	23.80	2.42	0.00	2.42
21.25	2.63	0.00	2.63	23.85	2.42	0.00	2.42
21.30	2.62	0.00	2.62	23.90	2.41	0.00	2.41
21.35	2.62	0.00	2.62	23.95	2.41	0.00	2.41
21.40	2.62	0.00	2.62	24.00	2.40	0.00	2.40
21.45	2.61	0.00	2.61	24.05	2.40	0.00	2.40
21.50	2.61	0.00	2.61	24.10	2.39	0.00	2.39
21.55	2.60	0.00	2.60	24.15	2.38	0.00	2.38
21.60	2.60	0.00	2.60	24.20	2.37	0.00	2.37
21.65	2.60	0.00	2.60	24.25	2.34	0.00	2.34
21.70	2.59	0.00	2.59	24.30	2.30	0.00	2.30
21.75	2.59	0.00	2.59	24.35	2.25	0.00	2.25
21.80	2.58	0.00	2.58	24.40	2.20	0.00	2.20
21.85	2.58	0.00	2.58	24.45	2.15	0.00	2.15
21.90	2.58	0.00	2.58	24.50	2.10	0.00	2.10
21.95	2.57	0.00	2.57	24.55	2.06	0.00	2.06
22.00	2.57	0.00	2.57	24.60	2.02	0.00	2.02
22.05	2.56	0.00	2.56	24.65	1.99	0.00	1.99
22.10	2.56	0.00	2.56	24.70	1.96	0.00	1.96
22.15	2.56	0.00	2.56	24.75	1.94	0.00	1.94
22.20	2.55	0.00	2.55	24.80	1.93	0.00	1.93
22.25	2.55	0.00	2.55	24.85	1.91	0.00	1.91
22.30	2.55	0.00	2.55	24.90	1.90	0.00	1.90
22.35	2.54	0.00	2.54	24.95	1.89	0.00	1.89
22.40	2.54	0.00	2.54	25.00	1.88	0.00	1.88
22.45	2.53	0.00	2.53	25.05	1.87	0.00	1.87
22.50	2.53	0.00	2.53	25.10	1.86	0.00	1.86
22.55	2.52	0.00	2.52	25.15	1.85	0.00	1.85
22.60	2.52	0.00	2.52	25.20	1.85	0.00	1.85
22.65	2.52	0.00	2.52	25.25	1.84	0.00	1.84
22.70	2.51	0.00	2.51	25.30	1.83	0.00	1.83
22.75	2.51	0.00	2.51	25.35	1.83	0.00	1.83
22.80	2.50	0.00	2.50	25.40	1.82	0.00	1.82
22.85	2.50	0.00	2.50	25.45	1.82	0.00	1.82
22.90	2.50	0.00	2.50	25.50	1.81	0.00	1.81
22.95	2.49	0.00	2.49	25.55	1.81	0.00	1.81
23.00	2.49	0.00	2.49	25.60	1.80	0.00	1.80
23.05	2.48	0.00	2.48	25.65	1.80	0.00	1.80
23.10	2.48	0.00	2.48	25.70	1.79	0.00	1.79
23.15	2.47	0.00	2.47	25.75	1.79	0.00	1.79
23.20	2.47	0.00	2.47	25.80	1.78	0.00	1.78
23.25	2.47	0.00	2.47	25.85	1.78	0.00	1.78
23.30	2.46	0.00	2.46	25.90	1.77	0.00	1.77
23.35	2.46	0.00	2.46	25.95	1.77	0.00	1.77

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	1.76	0.00	1.76	28.60	1.51	0.00	1.51
26.05	1.76	0.00	1.76	28.65	1.51	0.00	1.51
26.10	1.75	0.00	1.75	28.70	1.50	0.00	1.50
26.15	1.75	0.00	1.75	28.75	1.50	0.00	1.50
26.20	1.74	0.00	1.74	28.80	1.49	0.00	1.49
26.25	1.74	0.00	1.74	28.85	1.49	0.00	1.49
26.30	1.73	0.00	1.73	28.90	1.48	0.00	1.48
26.35	1.73	0.00	1.73	28.95	1.48	0.00	1.48
26.40	1.72	0.00	1.72	29.00	1.47	0.00	1.47
26.45	1.72	0.00	1.72	29.05	1.47	0.00	1.47
26.50	1.72	0.00	1.72	29.10	1.46	0.00	1.46
26.55	1.71	0.00	1.71	29.15	1.46	0.00	1.46
26.60	1.71	0.00	1.71	29.20	1.45	0.00	1.45
26.65	1.70	0.00	1.70	29.25	1.45	0.00	1.45
26.70	1.70	0.00	1.70	29.30	1.44	0.00	1.44
26.75	1.69	0.00	1.69	29.35	1.44	0.00	1.44
26.80	1.69	0.00	1.69	29.40	1.43	0.00	1.43
26.85	1.68	0.00	1.68	29.45	1.43	0.00	1.43
26.90	1.68	0.00	1.68	29.50	1.42	0.00	1.42
26.95	1.67	0.00	1.67	29.55	1.42	0.00	1.42
27.00	1.67	0.00	1.67	29.60	1.41	0.00	1.41
27.05	1.66	0.00	1.66	29.65	1.41	0.00	1.41
27.10	1.66	0.00	1.66	29.70	1.40	0.00	1.40
27.15	1.65	0.00	1.65	29.75	1.40	0.00	1.40
27.20	1.65	0.00	1.65	29.80	1.39	0.00	1.39
27.25	1.64	0.00	1.64	29.85	1.39	0.00	1.39
27.30	1.64	0.00	1.64	29.90	1.39	0.00	1.39
27.35	1.63	0.00	1.63	29.95	1.38	0.00	1.38
27.40	1.63	0.00	1.63	30.00	1.38	0.00	1.38
27.45	1.62	0.00	1.62	30.05	1.37	0.00	1.37
27.50	1.62	0.00	1.62	30.10	1.37	0.00	1.37
27.55	1.61	0.00	1.61	30.15	1.36	0.00	1.36
27.60	1.61	0.00	1.61	30.20	1.36	0.00	1.36
27.65	1.60	0.00	1.60	30.25	1.35	0.00	1.35
27.70	1.60	0.00	1.60	30.30	1.35	0.00	1.35
27.75	1.59	0.00	1.59	30.35	1.34	0.00	1.34
27.80	1.59	0.00	1.59	30.40	1.34	0.00	1.34
27.85	1.58	0.00	1.58	30.45	1.33	0.00	1.33
27.90	1.58	0.00	1.58	30.50	1.33	0.00	1.33
27.95	1.57	0.00	1.57	30.55	1.32	0.00	1.32
28.00	1.57	0.00	1.57	30.60	1.32	0.00	1.32
28.05	1.56	0.00	1.56	30.65	1.32	0.00	1.32
28.10	1.56	0.00	1.56	30.70	1.31	0.00	1.31
28.15	1.55	0.00	1.55	30.75	1.31	0.00	1.31
28.20	1.55	0.00	1.55	30.80	1.30	0.00	1.30
28.25	1.55	0.00	1.55	30.85	1.30	0.00	1.30
28.30	1.54	0.00	1.54	30.90	1.29	0.00	1.29
28.35	1.54	0.00	1.54	30.95	1.29	0.00	1.29
28.40	1.53	0.00	1.53	31.00	1.28	0.00	1.28
28.45	1.53	0.00	1.53	31.05	1.28	0.00	1.28
28.50	1.52	0.00	1.52	31.10	1.27	0.00	1.27
28.55	1.52	0.00	1.52	31.15	1.27	0.00	1.27

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	1.26	0.00	1.26	33.80	1.04	0.00	1.04
31.25	1.26	0.00	1.26	33.85	1.03	0.00	1.03
31.30	1.26	0.00	1.26	33.90	1.03	0.00	1.03
31.35	1.25	0.00	1.25	33.95	1.02	0.00	1.02
31.40	1.25	0.00	1.25	34.00	1.02	0.00	1.02
31.45	1.24	0.00	1.24	34.05	1.01	0.00	1.01
31.50	1.24	0.00	1.24	34.10	1.01	0.00	1.01
31.55	1.23	0.00	1.23	34.15	1.01	0.00	1.01
31.60	1.23	0.00	1.23	34.20	1.00	0.00	1.00
31.65	1.22	0.00	1.22	34.25	1.00	0.00	1.00
31.70	1.22	0.00	1.22	34.30	0.99	0.00	0.99
31.75	1.21	0.00	1.21	34.35	0.99	0.00	0.99
31.80	1.21	0.00	1.21	34.40	0.98	0.00	0.98
31.85	1.20	0.00	1.20	34.45	0.98	0.00	0.98
31.90	1.20	0.00	1.20	34.50	0.98	0.00	0.98
31.95	1.20	0.00	1.20	34.55	0.97	0.00	0.97
32.00	1.19	0.00	1.19	34.60	0.97	0.00	0.97
32.05	1.19	0.00	1.19	34.65	0.96	0.00	0.96
32.10	1.18	0.00	1.18	34.70	0.96	0.00	0.96
32.15	1.18	0.00	1.18	34.75	0.95	0.00	0.95
32.20	1.17	0.00	1.17	34.80	0.95	0.00	0.95
32.25	1.17	0.00	1.17	34.85	0.95	0.00	0.95
32.30	1.16	0.00	1.16	34.90	0.94	0.00	0.94
32.35	1.16	0.00	1.16	34.95	0.94	0.00	0.94
32.40	1.16	0.00	1.16	35.00	0.93	0.00	0.93
32.45	1.15	0.00	1.15	35.05	0.93	0.00	0.93
32.50	1.15	0.00	1.15	35.10	0.92	0.00	0.92
32.55	1.14	0.00	1.14	35.15	0.92	0.00	0.92
32.60	1.14	0.00	1.14	35.20	0.92	0.00	0.92
32.65	1.13	0.00	1.13	35.25	0.91	0.00	0.91
32.70	1.13	0.00	1.13	35.30	0.91	0.00	0.91
32.75	1.13	0.00	1.13	35.35	0.90	0.00	0.90
32.80	1.12	0.00	1.12	35.40	0.90	0.00	0.90
32.85	1.12	0.00	1.12	35.45	0.90	0.00	0.90
32.90	1.11	0.00	1.11	35.50	0.89	0.00	0.89
32.95	1.11	0.00	1.11	35.55	0.89	0.00	0.89
33.00	1.10	0.00	1.10	35.60	0.88	0.00	0.88
33.05	1.10	0.00	1.10	35.65	0.88	0.00	0.88
33.10	1.09	0.00	1.09	35.70	0.88	0.00	0.88
33.15	1.09	0.00	1.09	35.75	0.87	0.00	0.87
33.20	1.09	0.00	1.09	35.80	0.87	0.00	0.87
33.25	1.08	0.00	1.08	35.85	0.86	0.00	0.86
33.30	1.08	0.00	1.08	35.90	0.86	0.00	0.86
33.35	1.07	0.00	1.07	35.95	0.86	0.00	0.86
33.40	1.07	0.00	1.07	36.00	0.85	0.00	0.85
33.45	1.06	0.00	1.06	36.05	0.85	0.00	0.85
33.50	1.06	0.00	1.06	36.10	0.84	0.00	0.84
33.55	1.06	0.00	1.06	36.15	0.84	0.00	0.84
33.60	1.05	0.00	1.05	36.20	0.84	0.00	0.84
33.65	1.05	0.00	1.05	36.25	0.83	0.00	0.83
33.70	1.04	0.00	1.04	36.30	0.83	0.00	0.83
33.75	1.04	0.00	1.04	36.35	0.83	0.00	0.83

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.82	0.00	0.82
36.45	0.82	0.00	0.82
36.50	0.81	0.00	0.81
36.55	0.81	0.00	0.81
36.60	0.81	0.00	0.81
36.65	0.80	0.00	0.80
36.70	0.80	0.00	0.80
36.75	0.79	0.00	0.79
36.80	0.79	0.00	0.79
36.85	0.79	0.00	0.79
36.90	0.78	0.00	0.78
36.95	0.78	0.00	0.78
37.00	0.78	0.00	0.78
37.05	0.77	0.00	0.77
37.10	0.77	0.00	0.77
37.15	0.76	0.00	0.76
37.20	0.76	0.00	0.76
37.25	0.76	0.00	0.76
37.30	0.75	0.00	0.75
37.35	0.75	0.00	0.75
37.40	0.75	0.00	0.75
37.45	0.74	0.00	0.74
37.50	0.74	0.00	0.74
37.55	0.73	0.00	0.73
37.60	0.73	0.00	0.73
37.65	0.73	0.00	0.73
37.70	0.72	0.00	0.72
37.75	0.72	0.00	0.72
37.80	0.72	0.00	0.72
37.85	0.71	0.00	0.71
37.90	0.71	0.00	0.71
37.95	0.71	0.00	0.71
38.00	0.70	0.00	0.70
38.05	0.70	0.00	0.70
38.10	0.70	0.00	0.70
38.15	0.69	0.00	0.69
38.20	0.69	0.00	0.69
38.25	0.69	0.00	0.69
38.30	0.68	0.00	0.68
38.35	0.68	0.00	0.68
38.40	0.68	0.00	0.68
38.45	0.67	0.00	0.67
38.50	0.67	0.00	0.67
38.55	0.67	0.00	0.67
38.60	0.67	0.00	0.67
38.65	0.66	0.00	0.66
38.70	0.66	0.00	0.66
38.75	0.66	0.00	0.66
38.80	0.65	0.00	0.65
38.85	0.65	0.00	0.65
38.90	0.65	0.00	0.65
38.95	0.64	0.00	0.64
39.00	0.64	0.00	0.64
39.05	0.64	0.00	0.64
39.10	0.63	0.00	0.63
39.15	0.63	0.00	0.63
39.20	0.63	0.00	0.63
39.25	0.63	0.00	0.63
39.30	0.62	0.00	0.62
39.35	0.62	0.00	0.62
39.40	0.62	0.00	0.62
39.45	0.61	0.00	0.61
39.50	0.61	0.00	0.61
39.55	0.61	0.00	0.61
39.60	0.61	0.00	0.61
39.65	0.60	0.00	0.60
39.70	0.60	0.00	0.60
39.75	0.60	0.00	0.60
39.80	0.60	0.00	0.60
39.85	0.59	0.00	0.59
39.90	0.59	0.00	0.59
39.95	0.59	0.00	0.59
40.00	0.58	0.00	0.58

Summary for Subcatchment 1I: PDA-1 (impervious)

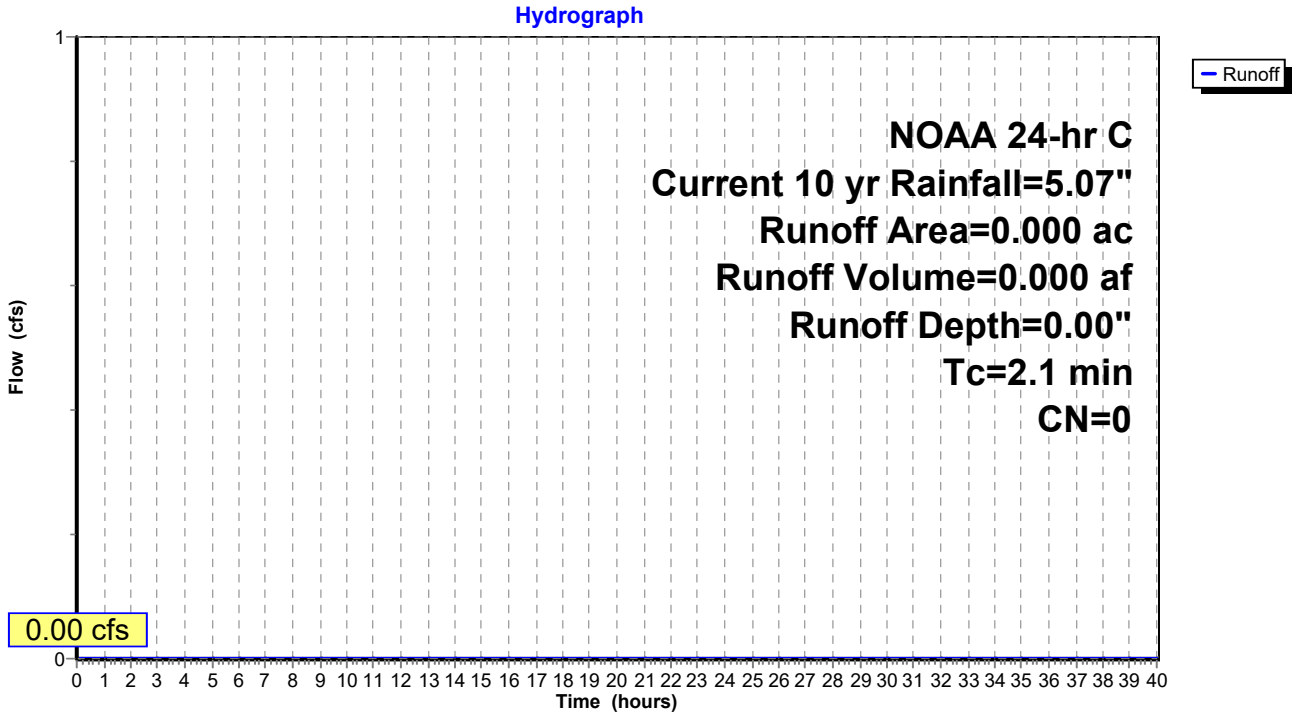
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.00	0.00
10.45	1.03	0.00	0.00	13.05	3.87	0.00	0.00
10.50	1.04	0.00	0.00	13.10	3.89	0.00	0.00
10.55	1.06	0.00	0.00	13.15	3.91	0.00	0.00
10.60	1.07	0.00	0.00	13.20	3.93	0.00	0.00
10.65	1.09	0.00	0.00	13.25	3.95	0.00	0.00
10.70	1.10	0.00	0.00	13.30	3.97	0.00	0.00
10.75	1.12	0.00	0.00	13.35	3.98	0.00	0.00
10.80	1.14	0.00	0.00	13.40	4.00	0.00	0.00
10.85	1.16	0.00	0.00	13.45	4.01	0.00	0.00
10.90	1.18	0.00	0.00	13.50	4.03	0.00	0.00
10.95	1.20	0.00	0.00	13.55	4.04	0.00	0.00
11.00	1.22	0.00	0.00	13.60	4.05	0.00	0.00
11.05	1.24	0.00	0.00	13.65	4.06	0.00	0.00
11.10	1.26	0.00	0.00	13.70	4.08	0.00	0.00
11.15	1.29	0.00	0.00	13.75	4.09	0.00	0.00
11.20	1.31	0.00	0.00	13.80	4.10	0.00	0.00
11.25	1.34	0.00	0.00	13.85	4.11	0.00	0.00
11.30	1.37	0.00	0.00	13.90	4.12	0.00	0.00
11.35	1.40	0.00	0.00	13.95	4.13	0.00	0.00
11.40	1.43	0.00	0.00	14.00	4.15	0.00	0.00
11.45	1.47	0.00	0.00	14.05	4.16	0.00	0.00
11.50	1.50	0.00	0.00	14.10	4.17	0.00	0.00
11.55	1.55	0.00	0.00	14.15	4.18	0.00	0.00
11.60	1.60	0.00	0.00	14.20	4.19	0.00	0.00
11.65	1.65	0.00	0.00	14.25	4.20	0.00	0.00
11.70	1.71	0.00	0.00	14.30	4.21	0.00	0.00
11.75	1.78	0.00	0.00	14.35	4.22	0.00	0.00
11.80	1.86	0.00	0.00	14.40	4.23	0.00	0.00
11.85	1.96	0.00	0.00	14.45	4.24	0.00	0.00
11.90	2.06	0.00	0.00	14.50	4.25	0.00	0.00
11.95	2.24	0.00	0.00	14.55	4.26	0.00	0.00
12.00	2.42	0.00	0.00	14.60	4.27	0.00	0.00
12.05	2.71	0.00	0.00	14.65	4.27	0.00	0.00
12.10	3.01	0.00	0.00	14.70	4.28	0.00	0.00
12.15	3.11	0.00	0.00	14.75	4.29	0.00	0.00
12.20	3.21	0.00	0.00	14.80	4.30	0.00	0.00
12.25	3.29	0.00	0.00	14.85	4.31	0.00	0.00
12.30	3.36	0.00	0.00	14.90	4.31	0.00	0.00
12.35	3.42	0.00	0.00	14.95	4.32	0.00	0.00
12.40	3.47	0.00	0.00	15.00	4.33	0.00	0.00
12.45	3.52	0.00	0.00	15.05	4.34	0.00	0.00
12.50	3.57	0.00	0.00	15.10	4.34	0.00	0.00
12.55	3.60	0.00	0.00	15.15	4.35	0.00	0.00
12.60	3.64	0.00	0.00	15.20	4.36	0.00	0.00
12.65	3.67	0.00	0.00	15.25	4.36	0.00	0.00
12.70	3.70	0.00	0.00	15.30	4.37	0.00	0.00
12.75	3.73	0.00	0.00	15.35	4.38	0.00	0.00
12.80	3.76	0.00	0.00	15.40	4.39	0.00	0.00
12.85	3.78	0.00	0.00	15.45	4.39	0.00	0.00
12.90	3.81	0.00	0.00	15.50	4.40	0.00	0.00
12.95	3.83	0.00	0.00	15.55	4.41	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	0.00	0.00	18.20	4.68	0.00	0.00
15.65	4.42	0.00	0.00	18.25	4.69	0.00	0.00
15.70	4.42	0.00	0.00	18.30	4.69	0.00	0.00
15.75	4.43	0.00	0.00	18.35	4.70	0.00	0.00
15.80	4.44	0.00	0.00	18.40	4.70	0.00	0.00
15.85	4.44	0.00	0.00	18.45	4.70	0.00	0.00
15.90	4.45	0.00	0.00	18.50	4.71	0.00	0.00
15.95	4.46	0.00	0.00	18.55	4.71	0.00	0.00
16.00	4.46	0.00	0.00	18.60	4.72	0.00	0.00
16.05	4.47	0.00	0.00	18.65	4.72	0.00	0.00
16.10	4.47	0.00	0.00	18.70	4.72	0.00	0.00
16.15	4.48	0.00	0.00	18.75	4.73	0.00	0.00
16.20	4.49	0.00	0.00	18.80	4.73	0.00	0.00
16.25	4.49	0.00	0.00	18.85	4.74	0.00	0.00
16.30	4.50	0.00	0.00	18.90	4.74	0.00	0.00
16.35	4.50	0.00	0.00	18.95	4.74	0.00	0.00
16.40	4.51	0.00	0.00	19.00	4.75	0.00	0.00
16.45	4.52	0.00	0.00	19.05	4.75	0.00	0.00
16.50	4.52	0.00	0.00	19.10	4.76	0.00	0.00
16.55	4.53	0.00	0.00	19.15	4.76	0.00	0.00
16.60	4.53	0.00	0.00	19.20	4.76	0.00	0.00
16.65	4.54	0.00	0.00	19.25	4.77	0.00	0.00
16.70	4.54	0.00	0.00	19.30	4.77	0.00	0.00
16.75	4.55	0.00	0.00	19.35	4.77	0.00	0.00
16.80	4.55	0.00	0.00	19.40	4.78	0.00	0.00
16.85	4.56	0.00	0.00	19.45	4.78	0.00	0.00
16.90	4.57	0.00	0.00	19.50	4.79	0.00	0.00
16.95	4.57	0.00	0.00	19.55	4.79	0.00	0.00
17.00	4.58	0.00	0.00	19.60	4.79	0.00	0.00
17.05	4.58	0.00	0.00	19.65	4.80	0.00	0.00
17.10	4.59	0.00	0.00	19.70	4.80	0.00	0.00
17.15	4.59	0.00	0.00	19.75	4.80	0.00	0.00
17.20	4.60	0.00	0.00	19.80	4.81	0.00	0.00
17.25	4.60	0.00	0.00	19.85	4.81	0.00	0.00
17.30	4.61	0.00	0.00	19.90	4.81	0.00	0.00
17.35	4.61	0.00	0.00	19.95	4.82	0.00	0.00
17.40	4.61	0.00	0.00	20.00	4.82	0.00	0.00
17.45	4.62	0.00	0.00	20.05	4.83	0.00	0.00
17.50	4.62	0.00	0.00	20.10	4.83	0.00	0.00
17.55	4.63	0.00	0.00	20.15	4.83	0.00	0.00
17.60	4.63	0.00	0.00	20.20	4.84	0.00	0.00
17.65	4.64	0.00	0.00	20.25	4.84	0.00	0.00
17.70	4.64	0.00	0.00	20.30	4.84	0.00	0.00
17.75	4.65	0.00	0.00	20.35	4.85	0.00	0.00
17.80	4.65	0.00	0.00	20.40	4.85	0.00	0.00
17.85	4.66	0.00	0.00	20.45	4.85	0.00	0.00
17.90	4.66	0.00	0.00	20.50	4.86	0.00	0.00
17.95	4.66	0.00	0.00	20.55	4.86	0.00	0.00
18.00	4.67	0.00	0.00	20.60	4.86	0.00	0.00
18.05	4.67	0.00	0.00	20.65	4.87	0.00	0.00
18.10	4.68	0.00	0.00	20.70	4.87	0.00	0.00
18.15	4.68	0.00	0.00	20.75	4.87	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	0.00	0.00	23.40	5.04	0.00	0.00
20.85	4.88	0.00	0.00	23.45	5.04	0.00	0.00
20.90	4.88	0.00	0.00	23.50	5.04	0.00	0.00
20.95	4.89	0.00	0.00	23.55	5.04	0.00	0.00
21.00	4.89	0.00	0.00	23.60	5.05	0.00	0.00
21.05	4.89	0.00	0.00	23.65	5.05	0.00	0.00
21.10	4.90	0.00	0.00	23.70	5.05	0.00	0.00
21.15	4.90	0.00	0.00	23.75	5.06	0.00	0.00
21.20	4.90	0.00	0.00	23.80	5.06	0.00	0.00
21.25	4.91	0.00	0.00	23.85	5.06	0.00	0.00
21.30	4.91	0.00	0.00	23.90	5.06	0.00	0.00
21.35	4.91	0.00	0.00	23.95	5.07	0.00	0.00
21.40	4.92	0.00	0.00	24.00	**5.07**	0.00	0.00
21.45	4.92	0.00	0.00	24.05	5.07	0.00	0.00
21.50	4.92	0.00	0.00	24.10	5.07	0.00	0.00
21.55	4.93	0.00	0.00	24.15	5.07	0.00	0.00
21.60	4.93	0.00	0.00	24.20	5.07	0.00	0.00
21.65	4.93	0.00	0.00	24.25	5.07	0.00	0.00
21.70	4.94	0.00	0.00	24.30	5.07	0.00	0.00
21.75	4.94	0.00	0.00	24.35	5.07	0.00	0.00
21.80	4.94	0.00	0.00	24.40	5.07	0.00	0.00
21.85	4.95	0.00	0.00	24.45	5.07	0.00	0.00
21.90	4.95	0.00	0.00	24.50	5.07	0.00	0.00
21.95	4.95	0.00	0.00	24.55	5.07	0.00	0.00
22.00	4.96	0.00	0.00	24.60	5.07	0.00	0.00
22.05	4.96	0.00	0.00	24.65	5.07	0.00	0.00
22.10	4.96	0.00	0.00	24.70	5.07	0.00	0.00
22.15	4.96	0.00	0.00	24.75	5.07	0.00	0.00
22.20	4.97	0.00	0.00	24.80	5.07	0.00	0.00
22.25	4.97	0.00	0.00	24.85	5.07	0.00	0.00
22.30	4.97	0.00	0.00	24.90	5.07	0.00	0.00
22.35	4.98	0.00	0.00	24.95	5.07	0.00	0.00
22.40	4.98	0.00	0.00	25.00	5.07	0.00	0.00
22.45	4.98	0.00	0.00	25.05	5.07	0.00	0.00
22.50	4.99	0.00	0.00	25.10	5.07	0.00	0.00
22.55	4.99	0.00	0.00	25.15	5.07	0.00	0.00
22.60	4.99	0.00	0.00	25.20	5.07	0.00	0.00
22.65	4.99	0.00	0.00	25.25	5.07	0.00	0.00
22.70	5.00	0.00	0.00	25.30	5.07	0.00	0.00
22.75	5.00	0.00	0.00	25.35	5.07	0.00	0.00
22.80	5.00	0.00	0.00	25.40	5.07	0.00	0.00
22.85	5.01	0.00	0.00	25.45	5.07	0.00	0.00
22.90	5.01	0.00	0.00	25.50	5.07	0.00	0.00
22.95	5.01	0.00	0.00	25.55	5.07	0.00	0.00
23.00	5.01	0.00	0.00	25.60	5.07	0.00	0.00
23.05	5.02	0.00	0.00	25.65	5.07	0.00	0.00
23.10	5.02	0.00	0.00	25.70	5.07	0.00	0.00
23.15	5.02	0.00	0.00	25.75	5.07	0.00	0.00
23.20	5.03	0.00	0.00	25.80	5.07	0.00	0.00
23.25	5.03	0.00	0.00	25.85	5.07	0.00	0.00
23.30	5.03	0.00	0.00	25.90	5.07	0.00	0.00
23.35	5.03	0.00	0.00	25.95	5.07	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	0.00	0.00	28.60	5.07	0.00	0.00
26.05	5.07	0.00	0.00	28.65	5.07	0.00	0.00
26.10	5.07	0.00	0.00	28.70	5.07	0.00	0.00
26.15	5.07	0.00	0.00	28.75	5.07	0.00	0.00
26.20	5.07	0.00	0.00	28.80	5.07	0.00	0.00
26.25	5.07	0.00	0.00	28.85	5.07	0.00	0.00
26.30	5.07	0.00	0.00	28.90	5.07	0.00	0.00
26.35	5.07	0.00	0.00	28.95	5.07	0.00	0.00
26.40	5.07	0.00	0.00	29.00	5.07	0.00	0.00
26.45	5.07	0.00	0.00	29.05	5.07	0.00	0.00
26.50	5.07	0.00	0.00	29.10	5.07	0.00	0.00
26.55	5.07	0.00	0.00	29.15	5.07	0.00	0.00
26.60	5.07	0.00	0.00	29.20	5.07	0.00	0.00
26.65	5.07	0.00	0.00	29.25	5.07	0.00	0.00
26.70	5.07	0.00	0.00	29.30	5.07	0.00	0.00
26.75	5.07	0.00	0.00	29.35	5.07	0.00	0.00
26.80	5.07	0.00	0.00	29.40	5.07	0.00	0.00
26.85	5.07	0.00	0.00	29.45	5.07	0.00	0.00
26.90	5.07	0.00	0.00	29.50	5.07	0.00	0.00
26.95	5.07	0.00	0.00	29.55	5.07	0.00	0.00
27.00	5.07	0.00	0.00	29.60	5.07	0.00	0.00
27.05	5.07	0.00	0.00	29.65	5.07	0.00	0.00
27.10	5.07	0.00	0.00	29.70	5.07	0.00	0.00
27.15	5.07	0.00	0.00	29.75	5.07	0.00	0.00
27.20	5.07	0.00	0.00	29.80	5.07	0.00	0.00
27.25	5.07	0.00	0.00	29.85	5.07	0.00	0.00
27.30	5.07	0.00	0.00	29.90	5.07	0.00	0.00
27.35	5.07	0.00	0.00	29.95	5.07	0.00	0.00
27.40	5.07	0.00	0.00	30.00	5.07	0.00	0.00
27.45	5.07	0.00	0.00	30.05	5.07	0.00	0.00
27.50	5.07	0.00	0.00	30.10	5.07	0.00	0.00
27.55	5.07	0.00	0.00	30.15	5.07	0.00	0.00
27.60	5.07	0.00	0.00	30.20	5.07	0.00	0.00
27.65	5.07	0.00	0.00	30.25	5.07	0.00	0.00
27.70	5.07	0.00	0.00	30.30	5.07	0.00	0.00
27.75	5.07	0.00	0.00	30.35	5.07	0.00	0.00
27.80	5.07	0.00	0.00	30.40	5.07	0.00	0.00
27.85	5.07	0.00	0.00	30.45	5.07	0.00	0.00
27.90	5.07	0.00	0.00	30.50	5.07	0.00	0.00
27.95	5.07	0.00	0.00	30.55	5.07	0.00	0.00
28.00	5.07	0.00	0.00	30.60	5.07	0.00	0.00
28.05	5.07	0.00	0.00	30.65	5.07	0.00	0.00
28.10	5.07	0.00	0.00	30.70	5.07	0.00	0.00
28.15	5.07	0.00	0.00	30.75	5.07	0.00	0.00
28.20	5.07	0.00	0.00	30.80	5.07	0.00	0.00
28.25	5.07	0.00	0.00	30.85	5.07	0.00	0.00
28.30	5.07	0.00	0.00	30.90	5.07	0.00	0.00
28.35	5.07	0.00	0.00	30.95	5.07	0.00	0.00
28.40	5.07	0.00	0.00	31.00	5.07	0.00	0.00
28.45	5.07	0.00	0.00	31.05	5.07	0.00	0.00
28.50	5.07	0.00	0.00	31.10	5.07	0.00	0.00
28.55	5.07	0.00	0.00	31.15	5.07	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	0.00	0.00	33.80	5.07	0.00	0.00
31.25	5.07	0.00	0.00	33.85	5.07	0.00	0.00
31.30	5.07	0.00	0.00	33.90	5.07	0.00	0.00
31.35	5.07	0.00	0.00	33.95	5.07	0.00	0.00
31.40	5.07	0.00	0.00	34.00	5.07	0.00	0.00
31.45	5.07	0.00	0.00	34.05	5.07	0.00	0.00
31.50	5.07	0.00	0.00	34.10	5.07	0.00	0.00
31.55	5.07	0.00	0.00	34.15	5.07	0.00	0.00
31.60	5.07	0.00	0.00	34.20	5.07	0.00	0.00
31.65	5.07	0.00	0.00	34.25	5.07	0.00	0.00
31.70	5.07	0.00	0.00	34.30	5.07	0.00	0.00
31.75	5.07	0.00	0.00	34.35	5.07	0.00	0.00
31.80	5.07	0.00	0.00	34.40	5.07	0.00	0.00
31.85	5.07	0.00	0.00	34.45	5.07	0.00	0.00
31.90	5.07	0.00	0.00	34.50	5.07	0.00	0.00
31.95	5.07	0.00	0.00	34.55	5.07	0.00	0.00
32.00	5.07	0.00	0.00	34.60	5.07	0.00	0.00
32.05	5.07	0.00	0.00	34.65	5.07	0.00	0.00
32.10	5.07	0.00	0.00	34.70	5.07	0.00	0.00
32.15	5.07	0.00	0.00	34.75	5.07	0.00	0.00
32.20	5.07	0.00	0.00	34.80	5.07	0.00	0.00
32.25	5.07	0.00	0.00	34.85	5.07	0.00	0.00
32.30	5.07	0.00	0.00	34.90	5.07	0.00	0.00
32.35	5.07	0.00	0.00	34.95	5.07	0.00	0.00
32.40	5.07	0.00	0.00	35.00	5.07	0.00	0.00
32.45	5.07	0.00	0.00	35.05	5.07	0.00	0.00
32.50	5.07	0.00	0.00	35.10	5.07	0.00	0.00
32.55	5.07	0.00	0.00	35.15	5.07	0.00	0.00
32.60	5.07	0.00	0.00	35.20	5.07	0.00	0.00
32.65	5.07	0.00	0.00	35.25	5.07	0.00	0.00
32.70	5.07	0.00	0.00	35.30	5.07	0.00	0.00
32.75	5.07	0.00	0.00	35.35	5.07	0.00	0.00
32.80	5.07	0.00	0.00	35.40	5.07	0.00	0.00
32.85	5.07	0.00	0.00	35.45	5.07	0.00	0.00
32.90	5.07	0.00	0.00	35.50	5.07	0.00	0.00
32.95	5.07	0.00	0.00	35.55	5.07	0.00	0.00
33.00	5.07	0.00	0.00	35.60	5.07	0.00	0.00
33.05	5.07	0.00	0.00	35.65	5.07	0.00	0.00
33.10	5.07	0.00	0.00	35.70	5.07	0.00	0.00
33.15	5.07	0.00	0.00	35.75	5.07	0.00	0.00
33.20	5.07	0.00	0.00	35.80	5.07	0.00	0.00
33.25	5.07	0.00	0.00	35.85	5.07	0.00	0.00
33.30	5.07	0.00	0.00	35.90	5.07	0.00	0.00
33.35	5.07	0.00	0.00	35.95	5.07	0.00	0.00
33.40	5.07	0.00	0.00	36.00	5.07	0.00	0.00
33.45	5.07	0.00	0.00	36.05	5.07	0.00	0.00
33.50	5.07	0.00	0.00	36.10	5.07	0.00	0.00
33.55	5.07	0.00	0.00	36.15	5.07	0.00	0.00
33.60	5.07	0.00	0.00	36.20	5.07	0.00	0.00
33.65	5.07	0.00	0.00	36.25	5.07	0.00	0.00
33.70	5.07	0.00	0.00	36.30	5.07	0.00	0.00
33.75	5.07	0.00	0.00	36.35	5.07	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	0.00	0.00
36.45	5.07	0.00	0.00
36.50	5.07	0.00	0.00
36.55	5.07	0.00	0.00
36.60	5.07	0.00	0.00
36.65	5.07	0.00	0.00
36.70	5.07	0.00	0.00
36.75	5.07	0.00	0.00
36.80	5.07	0.00	0.00
36.85	5.07	0.00	0.00
36.90	5.07	0.00	0.00
36.95	5.07	0.00	0.00
37.00	5.07	0.00	0.00
37.05	5.07	0.00	0.00
37.10	5.07	0.00	0.00
37.15	5.07	0.00	0.00
37.20	5.07	0.00	0.00
37.25	5.07	0.00	0.00
37.30	5.07	0.00	0.00
37.35	5.07	0.00	0.00
37.40	5.07	0.00	0.00
37.45	5.07	0.00	0.00
37.50	5.07	0.00	0.00
37.55	5.07	0.00	0.00
37.60	5.07	0.00	0.00
37.65	5.07	0.00	0.00
37.70	5.07	0.00	0.00
37.75	5.07	0.00	0.00
37.80	5.07	0.00	0.00
37.85	5.07	0.00	0.00
37.90	5.07	0.00	0.00
37.95	5.07	0.00	0.00
38.00	5.07	0.00	0.00
38.05	5.07	0.00	0.00
38.10	5.07	0.00	0.00
38.15	5.07	0.00	0.00
38.20	5.07	0.00	0.00
38.25	5.07	0.00	0.00
38.30	5.07	0.00	0.00
38.35	5.07	0.00	0.00
38.40	5.07	0.00	0.00
38.45	5.07	0.00	0.00
38.50	5.07	0.00	0.00
38.55	5.07	0.00	0.00
38.60	5.07	0.00	0.00
38.65	5.07	0.00	0.00
38.70	5.07	0.00	0.00
38.75	5.07	0.00	0.00
38.80	5.07	0.00	0.00
38.85	5.07	0.00	0.00
38.90	5.07	0.00	0.00
38.95	5.07	0.00	0.00
39.00	5.07	0.00	0.00
39.05	5.07	0.00	0.00
39.10	5.07	0.00	0.00
39.15	5.07	0.00	0.00
39.20	5.07	0.00	0.00
39.25	5.07	0.00	0.00
39.30	5.07	0.00	0.00
39.35	5.07	0.00	0.00
39.40	5.07	0.00	0.00
39.45	5.07	0.00	0.00
39.50	5.07	0.00	0.00
39.55	5.07	0.00	0.00
39.60	5.07	0.00	0.00
39.65	5.07	0.00	0.00
39.70	5.07	0.00	0.00
39.75	5.07	0.00	0.00
39.80	5.07	0.00	0.00
39.85	5.07	0.00	0.00
39.90	5.07	0.00	0.00
39.95	5.07	0.00	0.00
40.00	5.07	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

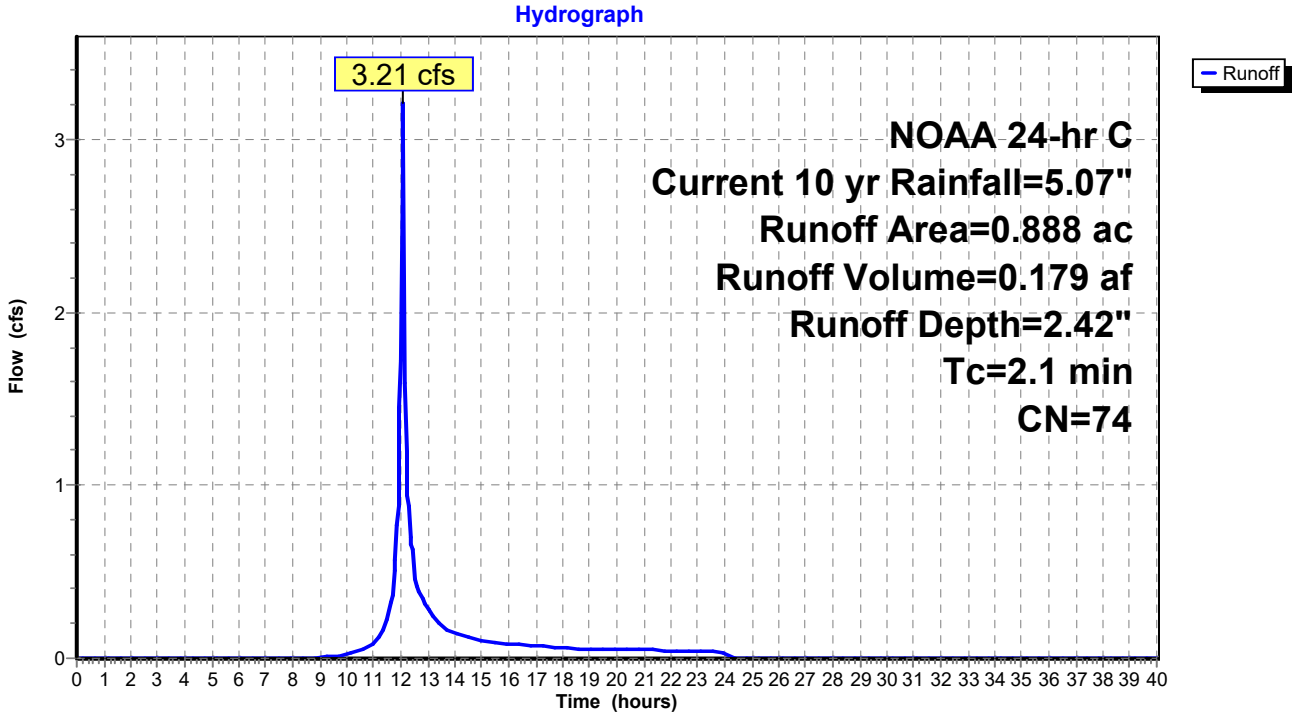
Runoff = 3.21 cfs @ 12.08 hrs, Volume= 0.179 af, Depth= 2.42"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.29
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.27
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.26
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.25
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.24
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.23
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.22
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.21
10.80	1.14	0.05	0.06	13.40	4.00	1.59	0.21
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.19
10.90	1.18	0.06	0.07	13.50	4.03	1.61	0.19
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.17
11.00	1.22	0.07	0.08	13.60	4.05	1.63	0.17
11.05	1.24	0.07	0.10	13.65	4.06	1.64	0.17
11.10	1.26	0.08	0.10	13.70	4.08	1.65	0.16
11.15	1.29	0.08	0.12	13.75	4.09	1.66	0.16
11.20	1.31	0.09	0.12	13.80	4.10	1.67	0.16
11.25	1.34	0.10	0.14	13.85	4.11	1.68	0.16
11.30	1.37	0.11	0.15	13.90	4.12	1.69	0.16
11.35	1.40	0.12	0.16	13.95	4.13	1.70	0.15
11.40	1.43	0.13	0.17	14.00	4.15	1.70	0.15
11.45	1.47	0.14	0.19	14.05	4.16	1.71	0.15
11.50	1.50	0.15	0.20	14.10	4.17	1.72	0.15
11.55	1.55	0.16	0.29	14.15	4.18	1.73	0.14
11.60	1.60	0.18	0.33	14.20	4.19	1.74	0.14
11.65	1.65	0.20	0.36	14.25	4.20	1.74	0.14
11.70	1.71	0.22	0.38	14.30	4.21	1.75	0.14
11.75	1.78	0.25	0.51	14.35	4.22	1.76	0.13
11.80	1.86	0.29	0.57	14.40	4.23	1.77	0.13
11.85	1.96	0.33	0.77	14.45	4.24	1.77	0.13
11.90	2.06	0.38	0.88	14.50	4.25	1.78	0.13
11.95	2.24	0.47	1.45	14.55	4.26	1.79	0.12
12.00	2.42	0.56	1.73	14.60	4.27	1.79	0.12
12.05	2.71	0.73	2.78	14.65	4.27	1.80	0.12
12.10	3.01	0.91	**3.12**	14.70	4.28	1.81	0.12
12.15	3.11	0.98	1.59	14.75	4.29	1.81	0.11
12.20	3.21	1.05	1.19	14.80	4.30	1.82	0.11
12.25	3.29	1.10	0.94	14.85	4.31	1.82	0.11
12.30	3.36	1.15	0.88	14.90	4.31	1.83	0.11
12.35	3.42	1.18	0.70	14.95	4.32	1.84	0.10
12.40	3.47	1.22	0.66	15.00	4.33	1.84	0.10
12.45	3.52	1.25	0.64	15.05	4.34	1.85	0.10
12.50	3.57	1.29	0.63	15.10	4.34	1.85	0.10
12.55	3.60	1.31	0.46	15.15	4.35	1.86	0.10
12.60	3.64	1.34	0.42	15.20	4.36	1.86	0.10
12.65	3.67	1.36	0.40	15.25	4.36	1.87	0.09
12.70	3.70	1.38	0.39	15.30	4.37	1.87	0.09
12.75	3.73	1.40	0.37	15.35	4.38	1.88	0.09
12.80	3.76	1.42	0.36	15.40	4.39	1.88	0.09
12.85	3.78	1.44	0.33	15.45	4.39	1.89	0.09
12.90	3.81	1.46	0.33	15.50	4.40	1.89	0.09
12.95	3.83	1.47	0.30	15.55	4.41	1.90	0.09

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.09	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.09	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.09	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.09	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.08	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.08	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.08	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.08	18.75	4.73	2.15	0.05
16.20	4.49	1.96	0.08	18.80	4.73	2.15	0.05
16.25	4.49	1.97	0.08	18.85	4.74	2.16	0.05
16.30	4.50	1.97	0.08	18.90	4.74	2.16	0.05
16.35	4.50	1.98	0.08	18.95	4.74	2.16	0.05
16.40	4.51	1.98	0.08	19.00	4.75	2.16	0.05
16.45	4.52	1.98	0.08	19.05	4.75	2.17	0.05
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.05
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.05
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.05
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.05
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.05
16.75	4.55	2.01	0.07	19.35	4.77	2.19	0.05
16.80	4.55	2.01	0.07	19.40	4.78	2.19	0.05
16.85	4.56	2.02	0.07	19.45	4.78	2.19	0.05
16.90	4.57	2.02	0.07	19.50	4.79	2.19	0.05
16.95	4.57	2.03	0.07	19.55	4.79	2.20	0.05
17.00	4.58	2.03	0.07	19.60	4.79	2.20	0.05
17.05	4.58	2.03	0.07	19.65	4.80	2.20	0.05
17.10	4.59	2.04	0.07	19.70	4.80	2.21	0.05
17.15	4.59	2.04	0.07	19.75	4.80	2.21	0.05
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.05
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.05
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.05
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.06	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.06	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.06	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.06	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.06	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.06	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.06	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.01
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.04	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.04	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.04	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.04	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

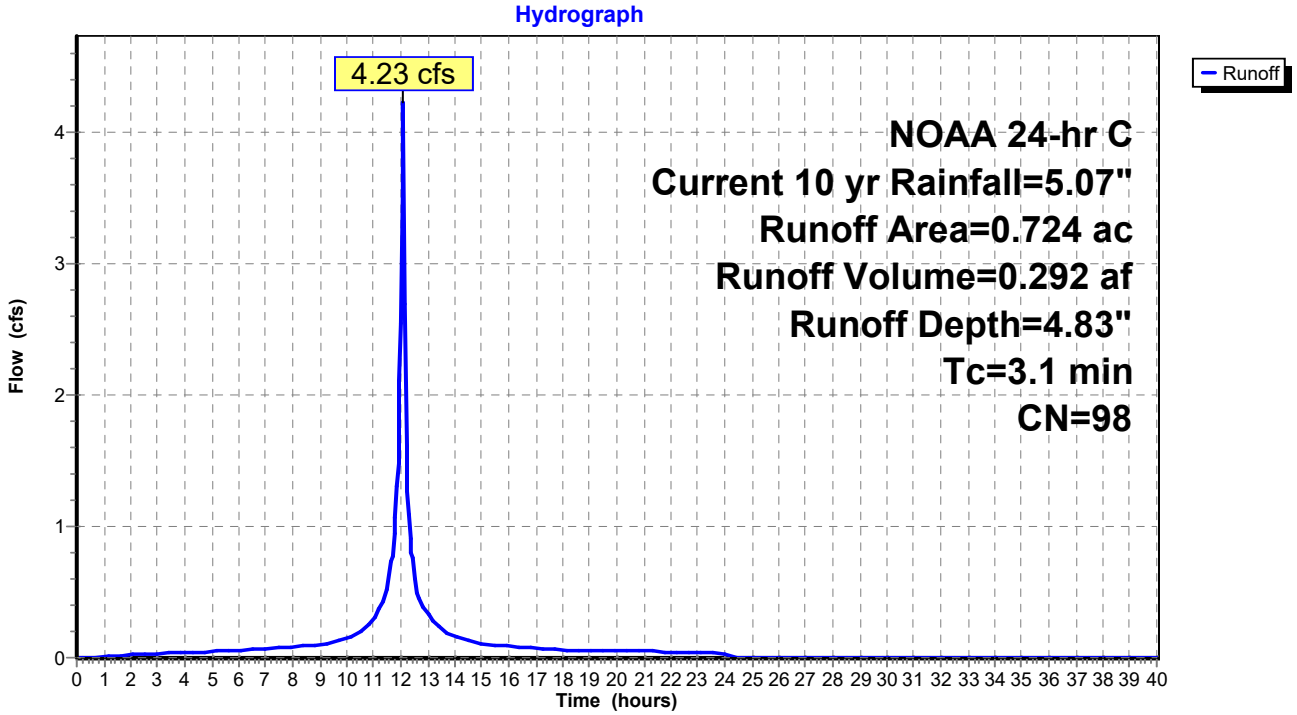
Runoff = 4.23 cfs @ 12.09 hrs, Volume= 0.292 af, Depth= 4.83"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.08
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.08
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.08
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.08
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.09
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.09
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.09
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.09
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.09
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.09
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.09
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.09
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.09
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.09
6.15	0.41	0.24	0.05	8.75	0.71	0.51	0.09
6.20	0.42	0.25	0.05	8.80	0.71	0.51	0.10
6.25	0.42	0.25	0.06	8.85	0.72	0.52	0.10
6.30	0.43	0.25	0.06	8.90	0.73	0.53	0.10
6.35	0.43	0.26	0.06	8.95	0.73	0.53	0.10
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.10
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.11
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.11
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.11
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.11
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.12
6.80	0.47	0.29	0.06	9.40	0.80	0.60	0.12
6.85	0.48	0.30	0.06	9.45	0.81	0.61	0.12
6.90	0.48	0.30	0.07	9.50	0.82	0.62	0.13
6.95	0.49	0.31	0.07	9.55	0.83	0.63	0.13
7.00	0.49	0.31	0.07	9.60	0.84	0.64	0.13
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.13
7.10	0.50	0.32	0.07	9.70	0.86	0.66	0.14
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.14
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.14
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.15
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.15
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.15
7.40	0.54	0.35	0.07	10.00	0.92	0.72	0.15
7.45	0.54	0.36	0.07	10.05	0.94	0.73	0.16
7.50	0.55	0.36	0.07	10.10	0.95	0.74	0.16
7.55	0.55	0.37	0.08	10.15	0.96	0.75	0.16
7.60	0.56	0.37	0.08	10.20	0.97	0.76	0.16
7.65	0.57	0.38	0.08	10.25	0.98	0.77	0.17
7.70	0.57	0.38	0.08	10.30	0.99	0.79	0.17
7.75	0.58	0.39	0.08	10.35	1.01	0.80	0.17

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.18	13.00	3.85	3.62	0.33
10.45	1.03	0.82	0.18	13.05	3.87	3.64	0.31
10.50	1.04	0.83	0.18	13.10	3.89	3.66	0.29
10.55	1.06	0.85	0.19	13.15	3.91	3.68	0.28
10.60	1.07	0.86	0.20	13.20	3.93	3.70	0.27
10.65	1.09	0.88	0.21	13.25	3.95	3.71	0.26
10.70	1.10	0.89	0.22	13.30	3.97	3.73	0.25
10.75	1.12	0.91	0.24	13.35	3.98	3.75	0.24
10.80	1.14	0.93	0.24	13.40	4.00	3.76	0.23
10.85	1.16	0.94	0.26	13.45	4.01	3.78	0.22
10.90	1.18	0.96	0.26	13.50	4.03	3.79	0.21
10.95	1.20	0.98	0.28	13.55	4.04	3.80	0.20
11.00	1.22	1.00	0.29	13.60	4.05	3.82	0.19
11.05	1.24	1.02	0.31	13.65	4.06	3.83	0.18
11.10	1.26	1.05	0.32	13.70	4.08	3.84	0.18
11.15	1.29	1.07	0.35	13.75	4.09	3.85	0.18
11.20	1.31	1.10	0.36	13.80	4.10	3.86	0.18
11.25	1.34	1.12	0.39	13.85	4.11	3.88	0.17
11.30	1.37	1.15	0.40	13.90	4.12	3.89	0.17
11.35	1.40	1.18	0.43	13.95	4.13	3.90	0.17
11.40	1.43	1.21	0.44	14.00	4.15	3.91	0.16
11.45	1.47	1.25	0.46	14.05	4.16	3.92	0.16
11.50	1.50	1.28	0.48	14.10	4.17	3.93	0.16
11.55	1.55	1.33	0.63	14.15	4.18	3.94	0.16
11.60	1.60	1.38	0.73	14.20	4.19	3.95	0.15
11.65	1.65	1.43	0.76	14.25	4.20	3.96	0.15
11.70	1.71	1.49	0.78	14.30	4.21	3.97	0.15
11.75	1.78	1.56	0.94	14.35	4.22	3.98	0.14
11.80	1.86	1.63	1.06	14.40	4.23	3.99	0.14
11.85	1.96	1.73	1.31	14.45	4.24	4.00	0.14
11.90	2.06	1.84	1.48	14.50	4.25	4.01	0.14
11.95	2.24	2.01	2.10	14.55	4.26	4.02	0.13
12.00	2.42	2.19	2.55	14.60	4.27	4.03	0.13
12.05	2.71	2.48	3.56	14.65	4.27	4.04	0.13
12.10	3.01	2.78	**4.18**	14.70	4.28	4.05	0.13
12.15	3.11	2.88	2.69	14.75	4.29	4.06	0.12
12.20	3.21	2.98	1.61	14.80	4.30	4.06	0.12
12.25	3.29	3.05	1.26	14.85	4.31	4.07	0.12
12.30	3.36	3.13	1.09	14.90	4.31	4.08	0.11
12.35	3.42	3.18	0.91	14.95	4.32	4.09	0.11
12.40	3.47	3.24	0.80	15.00	4.33	4.09	0.11
12.45	3.52	3.29	0.76	15.05	4.34	4.10	0.11
12.50	3.57	3.34	0.74	15.10	4.34	4.11	0.10
12.55	3.60	3.37	0.59	15.15	4.35	4.12	0.10
12.60	3.64	3.40	0.49	15.20	4.36	4.12	0.10
12.65	3.67	3.43	0.47	15.25	4.36	4.13	0.10
12.70	3.70	3.47	0.45	15.30	4.37	4.14	0.10
12.75	3.73	3.49	0.43	15.35	4.38	4.14	0.10
12.80	3.76	3.52	0.41	15.40	4.39	4.15	0.10
12.85	3.78	3.55	0.39	15.45	4.39	4.16	0.10
12.90	3.81	3.57	0.37	15.50	4.40	4.16	0.10
12.95	3.83	3.60	0.35	15.55	4.41	4.17	0.10

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.10	18.20	4.68	4.45	0.06
15.65	4.42	4.18	0.10	18.25	4.69	4.45	0.06
15.70	4.42	4.19	0.09	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.09	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.09	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.09	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.09	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.09	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.09	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.09	18.65	4.72	4.48	0.06
16.10	4.47	4.24	0.09	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.09	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.09	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.09	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.09	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.09	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.08	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.08	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.08	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.08	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.08	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.08	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.08	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.08	19.35	4.77	4.54	0.05
16.80	4.55	4.32	0.08	19.40	4.78	4.54	0.05
16.85	4.56	4.32	0.08	19.45	4.78	4.55	0.05
16.90	4.57	4.33	0.08	19.50	4.79	4.55	0.05
16.95	4.57	4.33	0.08	19.55	4.79	4.55	0.05
17.00	4.58	4.34	0.08	19.60	4.79	4.56	0.05
17.05	4.58	4.34	0.07	19.65	4.80	4.56	0.05
17.10	4.59	4.35	0.07	19.70	4.80	4.56	0.05
17.15	4.59	4.35	0.07	19.75	4.80	4.57	0.05
17.20	4.60	4.36	0.07	19.80	4.81	4.57	0.05
17.25	4.60	4.36	0.07	19.85	4.81	4.57	0.05
17.30	4.61	4.37	0.07	19.90	4.81	4.58	0.05
17.35	4.61	4.37	0.07	19.95	4.82	4.58	0.05
17.40	4.61	4.38	0.07	20.00	4.82	4.59	0.05
17.45	4.62	4.38	0.07	20.05	4.83	4.59	0.05
17.50	4.62	4.39	0.07	20.10	4.83	4.59	0.05
17.55	4.63	4.39	0.07	20.15	4.83	4.60	0.05
17.60	4.63	4.40	0.07	20.20	4.84	4.60	0.05
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.05
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.05
17.75	4.65	4.41	0.06	20.35	4.85	4.61	0.05
17.80	4.65	4.42	0.06	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.06	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.06	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.06	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.06	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.06	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.06	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.06	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.02
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.04	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.04	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.04	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.04	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.04	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.04	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.04	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.04	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.04	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.04	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.04	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.04	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.04	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.04	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.04	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.04	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.04	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.04	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.04	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

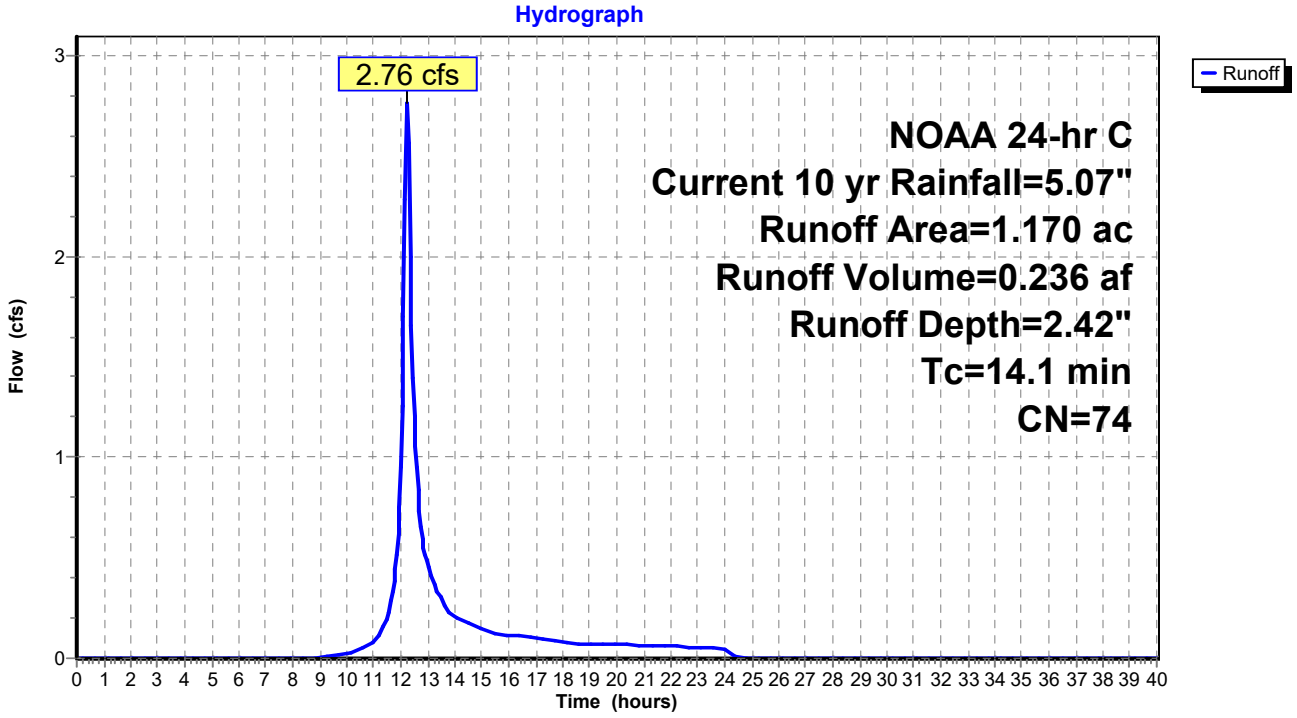
Runoff = 2.76 cfs @ 12.23 hrs, Volume= 0.236 af, Depth= 2.42"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.47
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.44
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.42
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.40
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.38
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.36
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.34
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.33
10.80	1.14	0.05	0.06	13.40	4.00	1.59	0.31
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.30
10.90	1.18	0.06	0.07	13.50	4.03	1.61	0.29
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.28
11.00	1.22	0.07	0.09	13.60	4.05	1.63	0.26
11.05	1.24	0.07	0.09	13.65	4.06	1.64	0.25
11.10	1.26	0.08	0.10	13.70	4.08	1.65	0.24
11.15	1.29	0.08	0.11	13.75	4.09	1.66	0.23
11.20	1.31	0.09	0.12	13.80	4.10	1.67	0.23
11.25	1.34	0.10	0.13	13.85	4.11	1.68	0.22
11.30	1.37	0.11	0.14	13.90	4.12	1.69	0.22
11.35	1.40	0.12	0.16	13.95	4.13	1.70	0.21
11.40	1.43	0.13	0.17	14.00	4.15	1.70	0.21
11.45	1.47	0.14	0.19	14.05	4.16	1.71	0.21
11.50	1.50	0.15	0.20	14.10	4.17	1.72	0.20
11.55	1.55	0.16	0.22	14.15	4.18	1.73	0.20
11.60	1.60	0.18	0.24	14.20	4.19	1.74	0.20
11.65	1.65	0.20	0.29	14.25	4.20	1.74	0.19
11.70	1.71	0.22	0.34	14.30	4.21	1.75	0.19
11.75	1.78	0.25	0.39	14.35	4.22	1.76	0.19
11.80	1.86	0.29	0.44	14.40	4.23	1.77	0.18
11.85	1.96	0.33	0.51	14.45	4.24	1.77	0.18
11.90	2.06	0.38	0.61	14.50	4.25	1.78	0.18
11.95	2.24	0.47	0.75	14.55	4.26	1.79	0.17
12.00	2.42	0.56	0.95	14.60	4.27	1.79	0.17
12.05	2.71	0.73	1.26	14.65	4.27	1.80	0.17
12.10	3.01	0.91	1.70	14.70	4.28	1.81	0.16
12.15	3.11	0.98	2.28	14.75	4.29	1.81	0.16
12.20	3.21	1.05	2.72	14.80	4.30	1.82	0.16
12.25	3.29	1.10	**2.73**	14.85	4.31	1.82	0.15
12.30	3.36	1.15	2.40	14.90	4.31	1.83	0.15
12.35	3.42	1.18	1.99	14.95	4.32	1.84	0.15
12.40	3.47	1.22	1.66	15.00	4.33	1.84	0.14
12.45	3.52	1.25	1.40	15.05	4.34	1.85	0.14
12.50	3.57	1.29	1.20	15.10	4.34	1.85	0.14
12.55	3.60	1.31	1.06	15.15	4.35	1.86	0.14
12.60	3.64	1.34	0.95	15.20	4.36	1.86	0.13
12.65	3.67	1.36	0.84	15.25	4.36	1.87	0.13
12.70	3.70	1.38	0.74	15.30	4.37	1.87	0.13
12.75	3.73	1.40	0.65	15.35	4.38	1.88	0.13
12.80	3.76	1.42	0.59	15.40	4.39	1.88	0.13
12.85	3.78	1.44	0.55	15.45	4.39	1.89	0.12
12.90	3.81	1.46	0.52	15.50	4.40	1.89	0.12
12.95	3.83	1.47	0.49	15.55	4.41	1.90	0.12

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.12	18.20	4.68	2.12	0.08
15.65	4.42	1.91	0.12	18.25	4.69	2.12	0.08
15.70	4.42	1.91	0.12	18.30	4.69	2.12	0.08
15.75	4.43	1.92	0.12	18.35	4.70	2.12	0.07
15.80	4.44	1.92	0.12	18.40	4.70	2.13	0.07
15.85	4.44	1.93	0.12	18.45	4.70	2.13	0.07
15.90	4.45	1.93	0.12	18.50	4.71	2.13	0.07
15.95	4.46	1.94	0.12	18.55	4.71	2.14	0.07
16.00	4.46	1.94	0.11	18.60	4.72	2.14	0.07
16.05	4.47	1.95	0.11	18.65	4.72	2.14	0.07
16.10	4.47	1.95	0.11	18.70	4.72	2.15	0.07
16.15	4.48	1.96	0.11	18.75	4.73	2.15	0.07
16.20	4.49	1.96	0.11	18.80	4.73	2.15	0.07
16.25	4.49	1.97	0.11	18.85	4.74	2.16	0.07
16.30	4.50	1.97	0.11	18.90	4.74	2.16	0.07
16.35	4.50	1.98	0.11	18.95	4.74	2.16	0.07
16.40	4.51	1.98	0.11	19.00	4.75	2.16	0.07
16.45	4.52	1.98	0.11	19.05	4.75	2.17	0.07
16.50	4.52	1.99	0.11	19.10	4.76	2.17	0.07
16.55	4.53	1.99	0.11	19.15	4.76	2.17	0.07
16.60	4.53	2.00	0.10	19.20	4.76	2.18	0.07
16.65	4.54	2.00	0.10	19.25	4.77	2.18	0.07
16.70	4.54	2.01	0.10	19.30	4.77	2.18	0.07
16.75	4.55	2.01	0.10	19.35	4.77	2.19	0.07
16.80	4.55	2.01	0.10	19.40	4.78	2.19	0.07
16.85	4.56	2.02	0.10	19.45	4.78	2.19	0.07
16.90	4.57	2.02	0.10	19.50	4.79	2.19	0.07
16.95	4.57	2.03	0.10	19.55	4.79	2.20	0.07
17.00	4.58	2.03	0.10	19.60	4.79	2.20	0.07
17.05	4.58	2.03	0.10	19.65	4.80	2.20	0.07
17.10	4.59	2.04	0.10	19.70	4.80	2.21	0.07
17.15	4.59	2.04	0.10	19.75	4.80	2.21	0.07
17.20	4.60	2.05	0.09	19.80	4.81	2.21	0.07
17.25	4.60	2.05	0.09	19.85	4.81	2.21	0.07
17.30	4.61	2.05	0.09	19.90	4.81	2.22	0.07
17.35	4.61	2.06	0.09	19.95	4.82	2.22	0.07
17.40	4.61	2.06	0.09	20.00	4.82	2.22	0.07
17.45	4.62	2.06	0.09	20.05	4.83	2.23	0.07
17.50	4.62	2.07	0.09	20.10	4.83	2.23	0.07
17.55	4.63	2.07	0.09	20.15	4.83	2.23	0.07
17.60	4.63	2.08	0.09	20.20	4.84	2.23	0.07
17.65	4.64	2.08	0.09	20.25	4.84	2.24	0.07
17.70	4.64	2.08	0.09	20.30	4.84	2.24	0.07
17.75	4.65	2.09	0.08	20.35	4.85	2.24	0.07
17.80	4.65	2.09	0.08	20.40	4.85	2.25	0.07
17.85	4.66	2.09	0.08	20.45	4.85	2.25	0.07
17.90	4.66	2.10	0.08	20.50	4.86	2.25	0.07
17.95	4.66	2.10	0.08	20.55	4.86	2.25	0.07
18.00	4.67	2.10	0.08	20.60	4.86	2.26	0.07
18.05	4.67	2.11	0.08	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.08	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.08	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.06	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.06	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.06	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.06	23.75	5.06	2.41	0.05
21.20	4.90	2.29	0.06	23.80	5.06	2.41	0.05
21.25	4.91	2.29	0.06	23.85	5.06	2.41	0.05
21.30	4.91	2.29	0.06	23.90	5.06	2.42	0.05
21.35	4.91	2.30	0.06	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.06	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.06	24.05	5.07	2.42	0.05
21.50	4.92	2.30	0.06	24.10	5.07	2.42	0.05
21.55	4.93	2.31	0.06	24.15	5.07	2.42	0.04
21.60	4.93	2.31	0.06	24.20	5.07	2.42	0.03
21.65	4.93	2.31	0.06	24.25	5.07	2.42	0.02
21.70	4.94	2.31	0.06	24.30	5.07	2.42	0.01
21.75	4.94	2.32	0.06	24.35	5.07	2.42	0.01
21.80	4.94	2.32	0.06	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.06	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.06	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.06	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.06	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.06	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.06	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.06	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.06	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.06	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.06	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.06	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.06	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.06	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.06	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.06	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.06	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.06	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.06	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.06	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.06	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.06	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

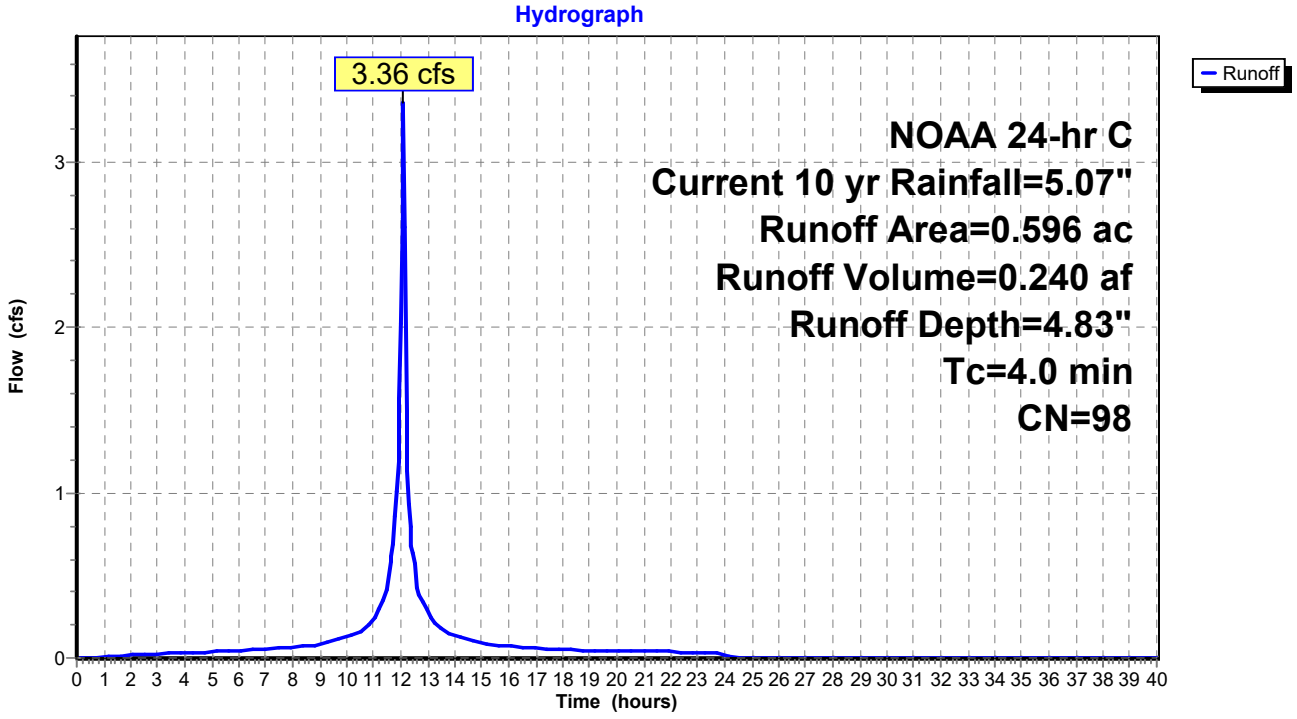
Runoff = 3.36 cfs @ 12.10 hrs, Volume= 0.240 af, Depth= 4.83"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.03
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.03
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.03
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.03
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.03
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.03
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.03
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.04
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.04
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.04
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.04
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.04
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.04

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.04	7.80	0.58	0.39	0.07
5.25	0.34	0.18	0.04	7.85	0.59	0.40	0.07
5.30	0.35	0.18	0.04	7.90	0.60	0.41	0.07
5.35	0.35	0.19	0.04	7.95	0.60	0.41	0.07
5.40	0.35	0.19	0.04	8.00	0.61	0.42	0.07
5.45	0.36	0.19	0.04	8.05	0.61	0.42	0.07
5.50	0.36	0.20	0.04	8.10	0.62	0.43	0.07
5.55	0.37	0.20	0.04	8.15	0.63	0.43	0.07
5.60	0.37	0.20	0.04	8.20	0.63	0.44	0.07
5.65	0.37	0.21	0.04	8.25	0.64	0.45	0.07
5.70	0.38	0.21	0.04	8.30	0.65	0.45	0.07
5.75	0.38	0.21	0.04	8.35	0.65	0.46	0.07
5.80	0.39	0.22	0.04	8.40	0.66	0.46	0.07
5.85	0.39	0.22	0.04	8.45	0.66	0.47	0.07
5.90	0.39	0.22	0.04	8.50	0.67	0.48	0.07
5.95	0.40	0.23	0.04	8.55	0.68	0.48	0.08
6.00	0.40	0.23	0.04	8.60	0.68	0.49	0.08
6.05	0.41	0.23	0.04	8.65	0.69	0.50	0.08
6.10	0.41	0.24	0.04	8.70	0.70	0.50	0.08
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.08
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.08
6.25	0.42	0.25	0.05	8.85	0.72	0.52	0.08
6.30	0.43	0.25	0.05	8.90	0.73	0.53	0.08
6.35	0.43	0.26	0.05	8.95	0.73	0.53	0.08
6.40	0.44	0.26	0.05	9.00	0.74	0.54	0.08
6.45	0.44	0.27	0.05	9.05	0.75	0.55	0.08
6.50	0.45	0.27	0.05	9.10	0.76	0.56	0.08
6.55	0.45	0.27	0.05	9.15	0.76	0.56	0.09
6.60	0.46	0.28	0.05	9.20	0.77	0.57	0.09
6.65	0.46	0.28	0.05	9.25	0.78	0.58	0.09
6.70	0.46	0.29	0.05	9.30	0.79	0.59	0.09
6.75	0.47	0.29	0.05	9.35	0.80	0.59	0.10
6.80	0.47	0.29	0.05	9.40	0.80	0.60	0.10
6.85	0.48	0.30	0.05	9.45	0.81	0.61	0.10
6.90	0.48	0.30	0.05	9.50	0.82	0.62	0.10
6.95	0.49	0.31	0.05	9.55	0.83	0.63	0.11
7.00	0.49	0.31	0.06	9.60	0.84	0.64	0.11
7.05	0.50	0.32	0.06	9.65	0.85	0.65	0.11
7.10	0.50	0.32	0.06	9.70	0.86	0.66	0.11
7.15	0.51	0.33	0.06	9.75	0.87	0.67	0.11
7.20	0.52	0.33	0.06	9.80	0.88	0.68	0.12
7.25	0.52	0.34	0.06	9.85	0.89	0.69	0.12
7.30	0.53	0.34	0.06	9.90	0.90	0.70	0.12
7.35	0.53	0.35	0.06	9.95	0.91	0.71	0.12
7.40	0.54	0.35	0.06	10.00	0.92	0.72	0.13
7.45	0.54	0.36	0.06	10.05	0.94	0.73	0.13
7.50	0.55	0.36	0.06	10.10	0.95	0.74	0.13
7.55	0.55	0.37	0.06	10.15	0.96	0.75	0.13
7.60	0.56	0.37	0.06	10.20	0.97	0.76	0.14
7.65	0.57	0.38	0.06	10.25	0.98	0.77	0.14
7.70	0.57	0.38	0.06	10.30	0.99	0.79	0.14
7.75	0.58	0.39	0.06	10.35	1.01	0.80	0.14

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.14	13.00	3.85	3.62	0.28
10.45	1.03	0.82	0.15	13.05	3.87	3.64	0.26
10.50	1.04	0.83	0.15	13.10	3.89	3.66	0.24
10.55	1.06	0.85	0.16	13.15	3.91	3.68	0.23
10.60	1.07	0.86	0.16	13.20	3.93	3.70	0.23
10.65	1.09	0.88	0.17	13.25	3.95	3.71	0.22
10.70	1.10	0.89	0.18	13.30	3.97	3.73	0.21
10.75	1.12	0.91	0.19	13.35	3.98	3.75	0.20
10.80	1.14	0.93	0.20	13.40	4.00	3.76	0.19
10.85	1.16	0.94	0.21	13.45	4.01	3.78	0.18
10.90	1.18	0.96	0.22	13.50	4.03	3.79	0.17
10.95	1.20	0.98	0.23	13.55	4.04	3.80	0.16
11.00	1.22	1.00	0.23	13.60	4.05	3.82	0.16
11.05	1.24	1.02	0.25	13.65	4.06	3.83	0.15
11.10	1.26	1.05	0.26	13.70	4.08	3.84	0.15
11.15	1.29	1.07	0.28	13.75	4.09	3.85	0.15
11.20	1.31	1.10	0.30	13.80	4.10	3.86	0.14
11.25	1.34	1.12	0.31	13.85	4.11	3.88	0.14
11.30	1.37	1.15	0.33	13.90	4.12	3.89	0.14
11.35	1.40	1.18	0.35	13.95	4.13	3.90	0.14
11.40	1.43	1.21	0.36	14.00	4.15	3.91	0.14
11.45	1.47	1.25	0.38	14.05	4.16	3.92	0.13
11.50	1.50	1.28	0.39	14.10	4.17	3.93	0.13
11.55	1.55	1.33	0.48	14.15	4.18	3.94	0.13
11.60	1.60	1.38	0.58	14.20	4.19	3.95	0.13
11.65	1.65	1.43	0.62	14.25	4.20	3.96	0.12
11.70	1.71	1.49	0.64	14.30	4.21	3.97	0.12
11.75	1.78	1.56	0.73	14.35	4.22	3.98	0.12
11.80	1.86	1.63	0.85	14.40	4.23	3.99	0.12
11.85	1.96	1.73	1.01	14.45	4.24	4.00	0.12
11.90	2.06	1.84	1.19	14.50	4.25	4.01	0.11
11.95	2.24	2.01	1.57	14.55	4.26	4.02	0.11
12.00	2.42	2.19	2.02	14.60	4.27	4.03	0.11
12.05	2.71	2.48	2.66	14.65	4.27	4.04	0.11
12.10	3.01	2.78	**3.36**	14.70	4.28	4.05	0.10
12.15	3.11	2.88	2.61	14.75	4.29	4.06	0.10
12.20	3.21	2.98	1.49	14.80	4.30	4.06	0.10
12.25	3.29	3.05	1.14	14.85	4.31	4.07	0.10
12.30	3.36	3.13	0.93	14.90	4.31	4.08	0.09
12.35	3.42	3.18	0.80	14.95	4.32	4.09	0.09
12.40	3.47	3.24	0.67	15.00	4.33	4.09	0.09
12.45	3.52	3.29	0.64	15.05	4.34	4.10	0.09
12.50	3.57	3.34	0.62	15.10	4.34	4.11	0.09
12.55	3.60	3.37	0.53	15.15	4.35	4.12	0.08
12.60	3.64	3.40	0.42	15.20	4.36	4.12	0.08
12.65	3.67	3.43	0.39	15.25	4.36	4.13	0.08
12.70	3.70	3.47	0.37	15.30	4.37	4.14	0.08
12.75	3.73	3.49	0.36	15.35	4.38	4.14	0.08
12.80	3.76	3.52	0.34	15.40	4.39	4.15	0.08
12.85	3.78	3.55	0.33	15.45	4.39	4.16	0.08
12.90	3.81	3.57	0.31	15.50	4.40	4.16	0.08
12.95	3.83	3.60	0.29	15.55	4.41	4.17	0.08

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.08	18.20	4.68	4.45	0.05
15.65	4.42	4.18	0.08	18.25	4.69	4.45	0.05
15.70	4.42	4.19	0.08	18.30	4.69	4.46	0.05
15.75	4.43	4.20	0.08	18.35	4.70	4.46	0.05
15.80	4.44	4.20	0.08	18.40	4.70	4.46	0.05
15.85	4.44	4.21	0.08	18.45	4.70	4.47	0.05
15.90	4.45	4.21	0.08	18.50	4.71	4.47	0.05
15.95	4.46	4.22	0.08	18.55	4.71	4.48	0.05
16.00	4.46	4.23	0.07	18.60	4.72	4.48	0.05
16.05	4.47	4.23	0.07	18.65	4.72	4.48	0.05
16.10	4.47	4.24	0.07	18.70	4.72	4.49	0.05
16.15	4.48	4.24	0.07	18.75	4.73	4.49	0.05
16.20	4.49	4.25	0.07	18.80	4.73	4.50	0.05
16.25	4.49	4.26	0.07	18.85	4.74	4.50	0.05
16.30	4.50	4.26	0.07	18.90	4.74	4.50	0.05
16.35	4.50	4.27	0.07	18.95	4.74	4.51	0.05
16.40	4.51	4.27	0.07	19.00	4.75	4.51	0.05
16.45	4.52	4.28	0.07	19.05	4.75	4.51	0.05
16.50	4.52	4.29	0.07	19.10	4.76	4.52	0.05
16.55	4.53	4.29	0.07	19.15	4.76	4.52	0.05
16.60	4.53	4.30	0.07	19.20	4.76	4.53	0.05
16.65	4.54	4.30	0.07	19.25	4.77	4.53	0.05
16.70	4.54	4.31	0.07	19.30	4.77	4.53	0.05
16.75	4.55	4.31	0.07	19.35	4.77	4.54	0.05
16.80	4.55	4.32	0.06	19.40	4.78	4.54	0.05
16.85	4.56	4.32	0.06	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.06	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.06	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.06	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.06	19.65	4.80	4.56	0.04
17.10	4.59	4.35	0.06	19.70	4.80	4.56	0.04
17.15	4.59	4.35	0.06	19.75	4.80	4.57	0.04
17.20	4.60	4.36	0.06	19.80	4.81	4.57	0.04
17.25	4.60	4.36	0.06	19.85	4.81	4.57	0.04
17.30	4.61	4.37	0.06	19.90	4.81	4.58	0.04
17.35	4.61	4.37	0.06	19.95	4.82	4.58	0.04
17.40	4.61	4.38	0.06	20.00	4.82	4.59	0.04
17.45	4.62	4.38	0.06	20.05	4.83	4.59	0.04
17.50	4.62	4.39	0.06	20.10	4.83	4.59	0.04
17.55	4.63	4.39	0.06	20.15	4.83	4.60	0.04
17.60	4.63	4.40	0.06	20.20	4.84	4.60	0.04
17.65	4.64	4.40	0.05	20.25	4.84	4.60	0.04
17.70	4.64	4.41	0.05	20.30	4.84	4.61	0.04
17.75	4.65	4.41	0.05	20.35	4.85	4.61	0.04
17.80	4.65	4.42	0.05	20.40	4.85	4.61	0.04
17.85	4.66	4.42	0.05	20.45	4.85	4.62	0.04
17.90	4.66	4.42	0.05	20.50	4.86	4.62	0.04
17.95	4.66	4.43	0.05	20.55	4.86	4.62	0.04
18.00	4.67	4.43	0.05	20.60	4.86	4.63	0.04
18.05	4.67	4.44	0.05	20.65	4.87	4.63	0.04
18.10	4.68	4.44	0.05	20.70	4.87	4.63	0.04
18.15	4.68	4.44	0.05	20.75	4.87	4.64	0.04

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.04	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.04	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.04	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.04	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.04	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.04	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.04	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.04	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.04	23.80	5.06	4.82	0.03
21.25	4.91	4.67	0.04	23.85	5.06	4.82	0.03
21.30	4.91	4.67	0.04	23.90	5.06	4.83	0.03
21.35	4.91	4.68	0.04	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.04	24.00	**5.07**	**4.83**	0.04
21.45	4.92	4.68	0.04	24.05	5.07	4.83	0.02
21.50	4.92	4.69	0.04	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.04	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.04	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.04	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.04	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.04	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.04	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.04	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.04	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.04	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.04	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.04	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.04	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.04	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.04	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.04	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.04	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.04	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.04	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.04	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.04	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.04	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.04	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.04	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.04	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

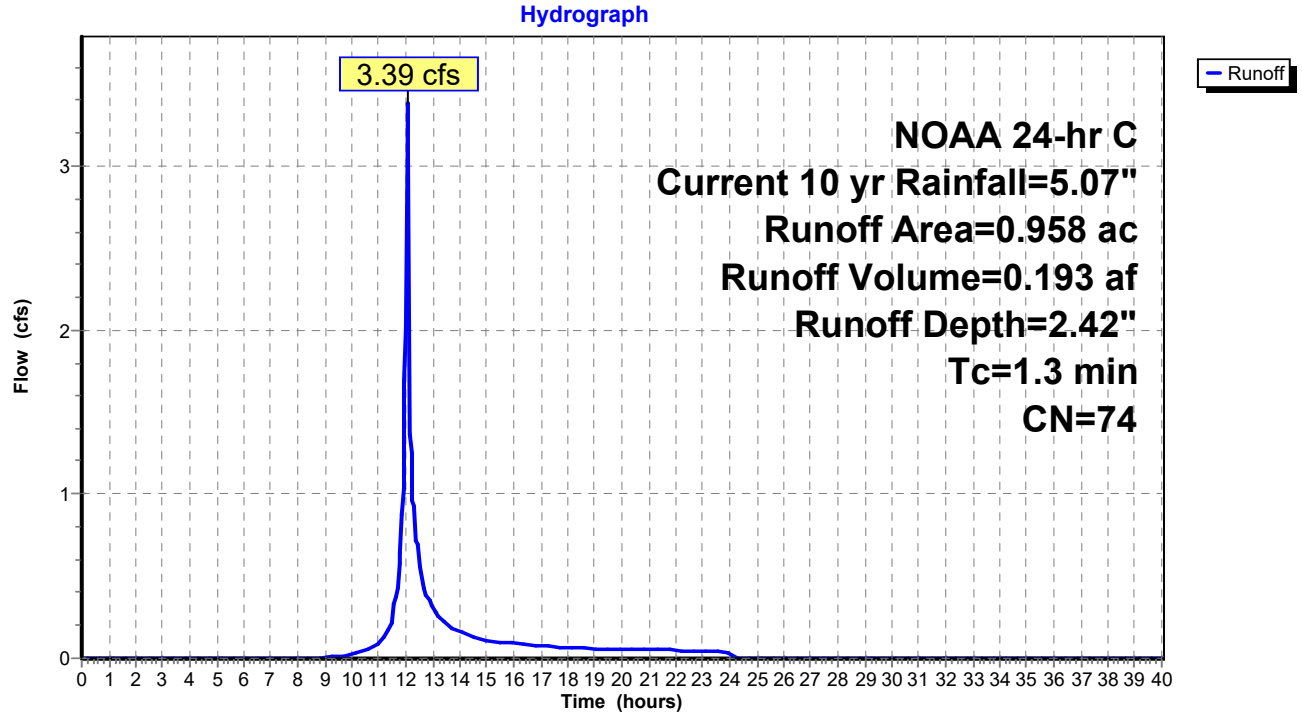
Runoff = 3.39 cfs @ 12.07 hrs, Volume= 0.193 af, Depth= 2.42"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.31
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.28
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.28
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.26
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.26
10.65	1.09	0.04	0.06	13.25	3.95	1.56	0.24
10.70	1.10	0.04	0.06	13.30	3.97	1.57	0.24
10.75	1.12	0.04	0.07	13.35	3.98	1.58	0.22
10.80	1.14	0.05	0.07	13.40	4.00	1.59	0.22
10.85	1.16	0.05	0.08	13.45	4.01	1.60	0.20
10.90	1.18	0.06	0.08	13.50	4.03	1.61	0.20
10.95	1.20	0.06	0.09	13.55	4.04	1.62	0.18
11.00	1.22	0.07	0.09	13.60	4.05	1.63	0.18
11.05	1.24	0.07	0.11	13.65	4.06	1.64	0.18
11.10	1.26	0.08	0.11	13.70	4.08	1.65	0.18
11.15	1.29	0.08	0.13	13.75	4.09	1.66	0.17
11.20	1.31	0.09	0.14	13.80	4.10	1.67	0.17
11.25	1.34	0.10	0.15	13.85	4.11	1.68	0.17
11.30	1.37	0.11	0.16	13.90	4.12	1.69	0.17
11.35	1.40	0.12	0.18	13.95	4.13	1.70	0.16
11.40	1.43	0.13	0.19	14.00	4.15	1.70	0.16
11.45	1.47	0.14	0.20	14.05	4.16	1.71	0.16
11.50	1.50	0.15	0.23	14.10	4.17	1.72	0.16
11.55	1.55	0.16	0.34	14.15	4.18	1.73	0.15
11.60	1.60	0.18	0.36	14.20	4.19	1.74	0.15
11.65	1.65	0.20	0.39	14.25	4.20	1.74	0.15
11.70	1.71	0.22	0.43	14.30	4.21	1.75	0.15
11.75	1.78	0.25	0.58	14.35	4.22	1.76	0.14
11.80	1.86	0.29	0.64	14.40	4.23	1.77	0.14
11.85	1.96	0.33	0.88	14.45	4.24	1.77	0.14
11.90	2.06	0.38	1.03	14.50	4.25	1.78	0.14
11.95	2.24	0.47	1.69	14.55	4.26	1.79	0.13
12.00	2.42	0.56	2.01	14.60	4.27	1.79	0.13
12.05	2.71	0.73	**3.25**	14.65	4.27	1.80	0.13
12.10	3.01	0.91	3.21	14.70	4.28	1.81	0.12
12.15	3.11	0.98	1.37	14.75	4.29	1.81	0.12
12.20	3.21	1.05	1.25	14.80	4.30	1.82	0.12
12.25	3.29	1.10	0.96	14.85	4.31	1.82	0.12
12.30	3.36	1.15	0.92	14.90	4.31	1.83	0.11
12.35	3.42	1.18	0.72	14.95	4.32	1.84	0.11
12.40	3.47	1.22	0.71	15.00	4.33	1.84	0.11
12.45	3.52	1.25	0.68	15.05	4.34	1.85	0.10
12.50	3.57	1.29	0.65	15.10	4.34	1.85	0.10
12.55	3.60	1.31	0.46	15.15	4.35	1.86	0.10
12.60	3.64	1.34	0.44	15.20	4.36	1.86	0.10
12.65	3.67	1.36	0.42	15.25	4.36	1.87	0.10
12.70	3.70	1.38	0.42	15.30	4.37	1.87	0.10
12.75	3.73	1.40	0.39	15.35	4.38	1.88	0.10
12.80	3.76	1.42	0.38	15.40	4.39	1.88	0.10
12.85	3.78	1.44	0.35	15.45	4.39	1.89	0.10
12.90	3.81	1.46	0.35	15.50	4.40	1.89	0.10
12.95	3.83	1.47	0.32	15.55	4.41	1.90	0.10

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.10	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.09	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.09	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.09	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.09	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.09	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.09	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.09	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.08	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.08	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.08	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.08	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.08	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.07	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.06	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

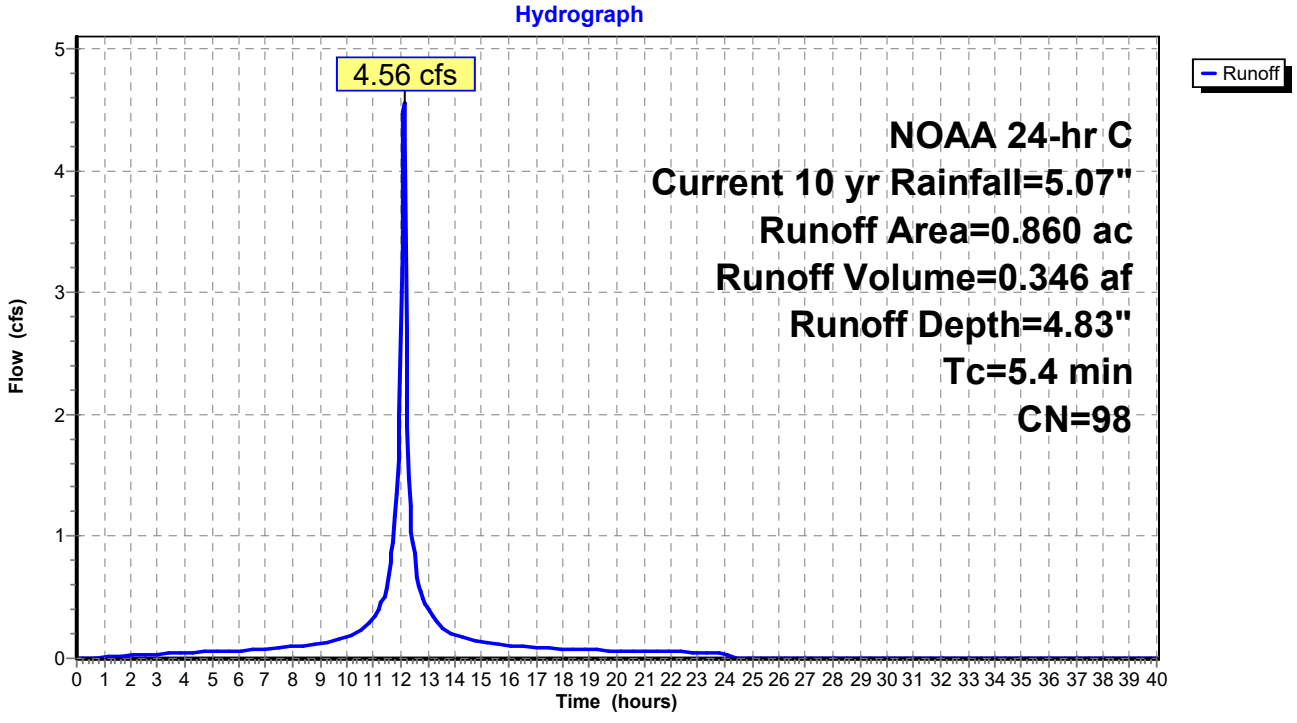
Runoff = 4.56 cfs @ 12.12 hrs, Volume= 0.346 af, Depth= 4.83"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.04
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.05
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.05
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.05
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.05
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.05
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.05
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.05
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.05
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.05
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.05
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.06

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.06	7.80	0.58	0.39	0.09
5.25	0.34	0.18	0.06	7.85	0.59	0.40	0.09
5.30	0.35	0.18	0.06	7.90	0.60	0.41	0.10
5.35	0.35	0.19	0.06	7.95	0.60	0.41	0.10
5.40	0.35	0.19	0.06	8.00	0.61	0.42	0.10
5.45	0.36	0.19	0.06	8.05	0.61	0.42	0.10
5.50	0.36	0.20	0.06	8.10	0.62	0.43	0.10
5.55	0.37	0.20	0.06	8.15	0.63	0.43	0.10
5.60	0.37	0.20	0.06	8.20	0.63	0.44	0.10
5.65	0.37	0.21	0.06	8.25	0.64	0.45	0.10
5.70	0.38	0.21	0.06	8.30	0.65	0.45	0.10
5.75	0.38	0.21	0.06	8.35	0.65	0.46	0.10
5.80	0.39	0.22	0.06	8.40	0.66	0.46	0.10
5.85	0.39	0.22	0.06	8.45	0.66	0.47	0.11
5.90	0.39	0.22	0.06	8.50	0.67	0.48	0.11
5.95	0.40	0.23	0.06	8.55	0.68	0.48	0.11
6.00	0.40	0.23	0.06	8.60	0.68	0.49	0.11
6.05	0.41	0.23	0.06	8.65	0.69	0.50	0.11
6.10	0.41	0.24	0.06	8.70	0.70	0.50	0.11
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.11
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.11
6.25	0.42	0.25	0.07	8.85	0.72	0.52	0.11
6.30	0.43	0.25	0.07	8.90	0.73	0.53	0.11
6.35	0.43	0.26	0.07	8.95	0.73	0.53	0.12
6.40	0.44	0.26	0.07	9.00	0.74	0.54	0.12
6.45	0.44	0.27	0.07	9.05	0.75	0.55	0.12
6.50	0.45	0.27	0.07	9.10	0.76	0.56	0.12
6.55	0.45	0.27	0.07	9.15	0.76	0.56	0.12
6.60	0.46	0.28	0.07	9.20	0.77	0.57	0.13
6.65	0.46	0.28	0.07	9.25	0.78	0.58	0.13
6.70	0.46	0.29	0.07	9.30	0.79	0.59	0.13
6.75	0.47	0.29	0.07	9.35	0.80	0.59	0.14
6.80	0.47	0.29	0.08	9.40	0.80	0.60	0.14
6.85	0.48	0.30	0.08	9.45	0.81	0.61	0.14
6.90	0.48	0.30	0.08	9.50	0.82	0.62	0.15
6.95	0.49	0.31	0.08	9.55	0.83	0.63	0.15
7.00	0.49	0.31	0.08	9.60	0.84	0.64	0.15
7.05	0.50	0.32	0.08	9.65	0.85	0.65	0.16
7.10	0.50	0.32	0.08	9.70	0.86	0.66	0.16
7.15	0.51	0.33	0.08	9.75	0.87	0.67	0.16
7.20	0.52	0.33	0.08	9.80	0.88	0.68	0.17
7.25	0.52	0.34	0.08	9.85	0.89	0.69	0.17
7.30	0.53	0.34	0.08	9.90	0.90	0.70	0.17
7.35	0.53	0.35	0.09	9.95	0.91	0.71	0.18
7.40	0.54	0.35	0.09	10.00	0.92	0.72	0.18
7.45	0.54	0.36	0.09	10.05	0.94	0.73	0.18
7.50	0.55	0.36	0.09	10.10	0.95	0.74	0.19
7.55	0.55	0.37	0.09	10.15	0.96	0.75	0.19
7.60	0.56	0.37	0.09	10.20	0.97	0.76	0.19
7.65	0.57	0.38	0.09	10.25	0.98	0.77	0.20
7.70	0.57	0.38	0.09	10.30	0.99	0.79	0.20
7.75	0.58	0.39	0.09	10.35	1.01	0.80	0.20

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.21	13.00	3.85	3.62	0.41
10.45	1.03	0.82	0.21	13.05	3.87	3.64	0.39
10.50	1.04	0.83	0.21	13.10	3.89	3.66	0.36
10.55	1.06	0.85	0.22	13.15	3.91	3.68	0.35
10.60	1.07	0.86	0.23	13.20	3.93	3.70	0.33
10.65	1.09	0.88	0.24	13.25	3.95	3.71	0.32
10.70	1.10	0.89	0.26	13.30	3.97	3.73	0.30
10.75	1.12	0.91	0.27	13.35	3.98	3.75	0.29
10.80	1.14	0.93	0.28	13.40	4.00	3.76	0.28
10.85	1.16	0.94	0.29	13.45	4.01	3.78	0.27
10.90	1.18	0.96	0.31	13.50	4.03	3.79	0.25
10.95	1.20	0.98	0.32	13.55	4.04	3.80	0.24
11.00	1.22	1.00	0.33	13.60	4.05	3.82	0.23
11.05	1.24	1.02	0.35	13.65	4.06	3.83	0.22
11.10	1.26	1.05	0.37	13.70	4.08	3.84	0.22
11.15	1.29	1.07	0.39	13.75	4.09	3.85	0.21
11.20	1.31	1.10	0.42	13.80	4.10	3.86	0.21
11.25	1.34	1.12	0.44	13.85	4.11	3.88	0.21
11.30	1.37	1.15	0.47	13.90	4.12	3.89	0.20
11.35	1.40	1.18	0.49	13.95	4.13	3.90	0.20
11.40	1.43	1.21	0.51	14.00	4.15	3.91	0.20
11.45	1.47	1.25	0.53	14.05	4.16	3.92	0.19
11.50	1.50	1.28	0.55	14.10	4.17	3.93	0.19
11.55	1.55	1.33	0.63	14.15	4.18	3.94	0.19
11.60	1.60	1.38	0.79	14.20	4.19	3.95	0.18
11.65	1.65	1.43	0.86	14.25	4.20	3.96	0.18
11.70	1.71	1.49	0.91	14.30	4.21	3.97	0.18
11.75	1.78	1.56	0.99	14.35	4.22	3.98	0.17
11.80	1.86	1.63	1.17	14.40	4.23	3.99	0.17
11.85	1.96	1.73	1.35	14.45	4.24	4.00	0.17
11.90	2.06	1.84	1.62	14.50	4.25	4.01	0.16
11.95	2.24	2.01	2.00	14.55	4.26	4.02	0.16
12.00	2.42	2.19	2.68	14.60	4.27	4.03	0.16
12.05	2.71	2.48	3.38	14.65	4.27	4.04	0.15
12.10	3.01	2.78	**4.49**	14.70	4.28	4.05	0.15
12.15	3.11	2.88	4.25	14.75	4.29	4.06	0.15
12.20	3.21	2.98	2.69	14.80	4.30	4.06	0.14
12.25	3.29	3.05	1.91	14.85	4.31	4.07	0.14
12.30	3.36	3.13	1.48	14.90	4.31	4.08	0.14
12.35	3.42	3.18	1.26	14.95	4.32	4.09	0.14
12.40	3.47	3.24	1.04	15.00	4.33	4.09	0.13
12.45	3.52	3.29	0.95	15.05	4.34	4.10	0.13
12.50	3.57	3.34	0.90	15.10	4.34	4.11	0.13
12.55	3.60	3.37	0.83	15.15	4.35	4.12	0.12
12.60	3.64	3.40	0.66	15.20	4.36	4.12	0.12
12.65	3.67	3.43	0.59	15.25	4.36	4.13	0.12
12.70	3.70	3.47	0.55	15.30	4.37	4.14	0.12
12.75	3.73	3.49	0.53	15.35	4.38	4.14	0.12
12.80	3.76	3.52	0.50	15.40	4.39	4.15	0.12
12.85	3.78	3.55	0.48	15.45	4.39	4.16	0.12
12.90	3.81	3.57	0.46	15.50	4.40	4.16	0.12
12.95	3.83	3.60	0.44	15.55	4.41	4.17	0.12

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.07
15.75	4.43	4.20	0.11	18.35	4.70	4.46	0.07
15.80	4.44	4.20	0.11	18.40	4.70	4.46	0.07
15.85	4.44	4.21	0.11	18.45	4.70	4.47	0.07
15.90	4.45	4.21	0.11	18.50	4.71	4.47	0.07
15.95	4.46	4.22	0.11	18.55	4.71	4.48	0.07
16.00	4.46	4.23	0.11	18.60	4.72	4.48	0.07
16.05	4.47	4.23	0.11	18.65	4.72	4.48	0.07
16.10	4.47	4.24	0.11	18.70	4.72	4.49	0.07
16.15	4.48	4.24	0.11	18.75	4.73	4.49	0.07
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.07
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.07
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.07
16.35	4.50	4.27	0.10	18.95	4.74	4.51	0.07
16.40	4.51	4.27	0.10	19.00	4.75	4.51	0.07
16.45	4.52	4.28	0.10	19.05	4.75	4.51	0.07
16.50	4.52	4.29	0.10	19.10	4.76	4.52	0.07
16.55	4.53	4.29	0.10	19.15	4.76	4.52	0.07
16.60	4.53	4.30	0.10	19.20	4.76	4.53	0.07
16.65	4.54	4.30	0.10	19.25	4.77	4.53	0.07
16.70	4.54	4.31	0.10	19.30	4.77	4.53	0.07
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.07
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.07
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.09	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.09	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.09	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.09	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.09	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.09	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.08	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.08	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.08	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.08	20.40	4.85	4.61	0.06
17.85	4.66	4.42	0.08	20.45	4.85	4.62	0.06
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.06
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.06
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.06
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.06
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.06
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.06

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.06	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.06	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.06	23.50	5.04	4.81	0.05
20.95	4.89	4.65	0.06	23.55	5.04	4.81	0.05
21.00	4.89	4.65	0.06	23.60	5.05	4.81	0.05
21.05	4.89	4.66	0.06	23.65	5.05	4.81	0.05
21.10	4.90	4.66	0.06	23.70	5.05	4.82	0.05
21.15	4.90	4.66	0.06	23.75	5.06	4.82	0.05
21.20	4.90	4.67	0.06	23.80	5.06	4.82	0.05
21.25	4.91	4.67	0.06	23.85	5.06	4.82	0.05
21.30	4.91	4.67	0.06	23.90	5.06	4.83	0.05
21.35	4.91	4.68	0.06	23.95	5.07	4.83	0.05
21.40	4.92	4.68	0.06	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.06	24.05	5.07	4.83	0.04
21.50	4.92	4.69	0.06	24.10	5.07	4.83	0.02
21.55	4.93	4.69	0.06	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.06	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.06	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.06	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.05	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.05	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.05	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.05	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

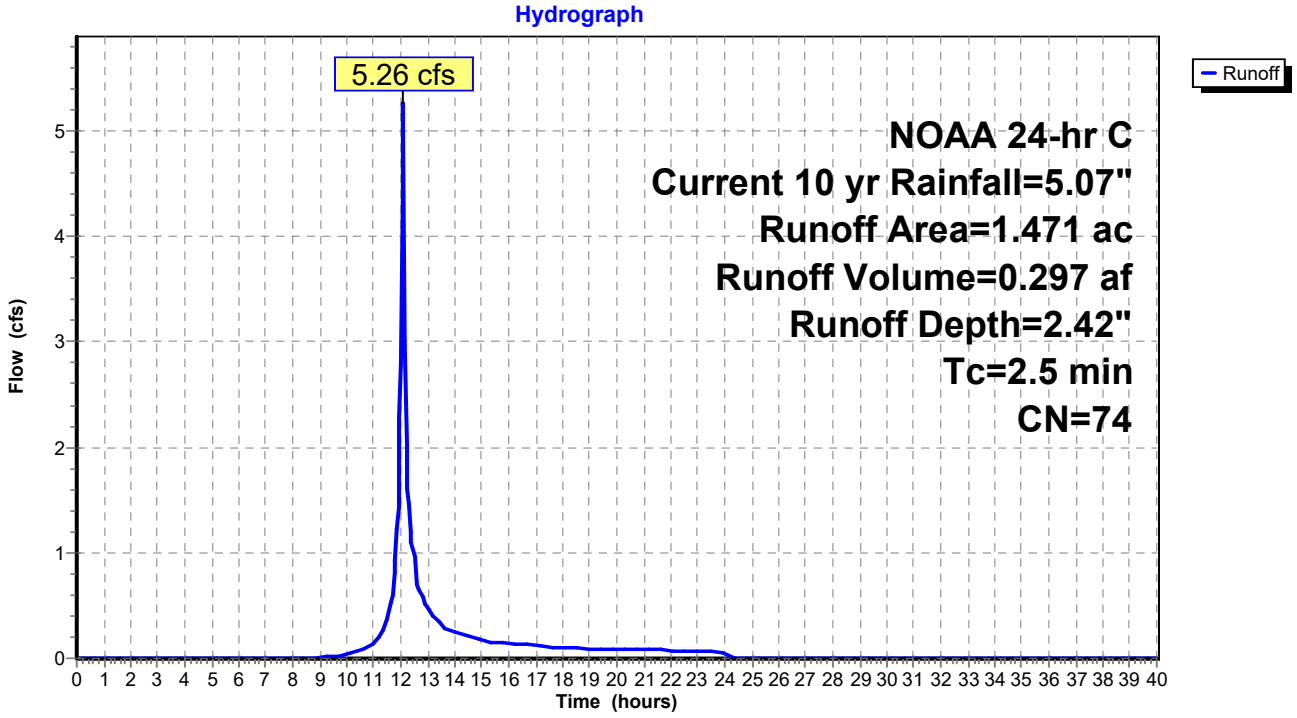
Runoff = 5.26 cfs @ 12.09 hrs, Volume= 0.297 af, Depth= 2.42"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.02
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.03
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.03
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.04
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.04
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.04
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.04
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.05
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.05
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.05
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.05

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.06	13.00	3.85	1.49	0.49
10.45	1.03	0.03	0.06	13.05	3.87	1.50	0.45
10.50	1.04	0.03	0.06	13.10	3.89	1.52	0.43
10.55	1.06	0.03	0.07	13.15	3.91	1.53	0.41
10.60	1.07	0.04	0.08	13.20	3.93	1.55	0.40
10.65	1.09	0.04	0.08	13.25	3.95	1.56	0.38
10.70	1.10	0.04	0.09	13.30	3.97	1.57	0.37
10.75	1.12	0.04	0.10	13.35	3.98	1.58	0.35
10.80	1.14	0.05	0.10	13.40	4.00	1.59	0.34
10.85	1.16	0.05	0.11	13.45	4.01	1.60	0.32
10.90	1.18	0.06	0.12	13.50	4.03	1.61	0.31
10.95	1.20	0.06	0.13	13.55	4.04	1.62	0.29
11.00	1.22	0.07	0.14	13.60	4.05	1.63	0.28
11.05	1.24	0.07	0.16	13.65	4.06	1.64	0.27
11.10	1.26	0.08	0.17	13.70	4.08	1.65	0.27
11.15	1.29	0.08	0.19	13.75	4.09	1.66	0.27
11.20	1.31	0.09	0.20	13.80	4.10	1.67	0.26
11.25	1.34	0.10	0.23	13.85	4.11	1.68	0.26
11.30	1.37	0.11	0.24	13.90	4.12	1.69	0.26
11.35	1.40	0.12	0.27	13.95	4.13	1.70	0.25
11.40	1.43	0.13	0.28	14.00	4.15	1.70	0.25
11.45	1.47	0.14	0.31	14.05	4.16	1.71	0.24
11.50	1.50	0.15	0.33	14.10	4.17	1.72	0.24
11.55	1.55	0.16	0.46	14.15	4.18	1.73	0.24
11.60	1.60	0.18	0.54	14.20	4.19	1.74	0.23
11.65	1.65	0.20	0.58	14.25	4.20	1.74	0.23
11.70	1.71	0.22	0.62	14.30	4.21	1.75	0.23
11.75	1.78	0.25	0.81	14.35	4.22	1.76	0.22
11.80	1.86	0.29	0.93	14.40	4.23	1.77	0.22
11.85	1.96	0.33	1.23	14.45	4.24	1.77	0.21
11.90	2.06	0.38	1.43	14.50	4.25	1.78	0.21
11.95	2.24	0.47	2.28	14.55	4.26	1.79	0.20
12.00	2.42	0.56	2.79	14.60	4.27	1.79	0.20
12.05	2.71	0.73	4.38	14.65	4.27	1.80	0.20
12.10	3.01	0.91	**5.18**	14.70	4.28	1.81	0.19
12.15	3.11	0.98	2.95	14.75	4.29	1.81	0.19
12.20	3.21	1.05	2.02	14.80	4.30	1.82	0.19
12.25	3.29	1.10	1.61	14.85	4.31	1.82	0.18
12.30	3.36	1.15	1.47	14.90	4.31	1.83	0.18
12.35	3.42	1.18	1.20	14.95	4.32	1.84	0.17
12.40	3.47	1.22	1.10	15.00	4.33	1.84	0.17
12.45	3.52	1.25	1.06	15.05	4.34	1.85	0.16
12.50	3.57	1.29	1.04	15.10	4.34	1.85	0.16
12.55	3.60	1.31	0.79	15.15	4.35	1.86	0.16
12.60	3.64	1.34	0.69	15.20	4.36	1.86	0.16
12.65	3.67	1.36	0.66	15.25	4.36	1.87	0.16
12.70	3.70	1.38	0.65	15.30	4.37	1.87	0.16
12.75	3.73	1.40	0.61	15.35	4.38	1.88	0.15
12.80	3.76	1.42	0.60	15.40	4.39	1.88	0.15
12.85	3.78	1.44	0.56	15.45	4.39	1.89	0.15
12.90	3.81	1.46	0.54	15.50	4.40	1.89	0.15
12.95	3.83	1.47	0.50	15.55	4.41	1.90	0.15

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.15	18.20	4.68	2.12	0.09
15.65	4.42	1.91	0.15	18.25	4.69	2.12	0.09
15.70	4.42	1.91	0.15	18.30	4.69	2.12	0.09
15.75	4.43	1.92	0.15	18.35	4.70	2.12	0.09
15.80	4.44	1.92	0.14	18.40	4.70	2.13	0.09
15.85	4.44	1.93	0.14	18.45	4.70	2.13	0.09
15.90	4.45	1.93	0.14	18.50	4.71	2.13	0.09
15.95	4.46	1.94	0.14	18.55	4.71	2.14	0.09
16.00	4.46	1.94	0.14	18.60	4.72	2.14	0.09
16.05	4.47	1.95	0.14	18.65	4.72	2.14	0.09
16.10	4.47	1.95	0.14	18.70	4.72	2.15	0.09
16.15	4.48	1.96	0.14	18.75	4.73	2.15	0.09
16.20	4.49	1.96	0.14	18.80	4.73	2.15	0.09
16.25	4.49	1.97	0.13	18.85	4.74	2.16	0.09
16.30	4.50	1.97	0.13	18.90	4.74	2.16	0.09
16.35	4.50	1.98	0.13	18.95	4.74	2.16	0.09
16.40	4.51	1.98	0.13	19.00	4.75	2.16	0.09
16.45	4.52	1.98	0.13	19.05	4.75	2.17	0.09
16.50	4.52	1.99	0.13	19.10	4.76	2.17	0.09
16.55	4.53	1.99	0.13	19.15	4.76	2.17	0.09
16.60	4.53	2.00	0.13	19.20	4.76	2.18	0.09
16.65	4.54	2.00	0.13	19.25	4.77	2.18	0.09
16.70	4.54	2.01	0.13	19.30	4.77	2.18	0.09
16.75	4.55	2.01	0.12	19.35	4.77	2.19	0.09
16.80	4.55	2.01	0.12	19.40	4.78	2.19	0.09
16.85	4.56	2.02	0.12	19.45	4.78	2.19	0.09
16.90	4.57	2.02	0.12	19.50	4.79	2.19	0.09
16.95	4.57	2.03	0.12	19.55	4.79	2.20	0.09
17.00	4.58	2.03	0.12	19.60	4.79	2.20	0.09
17.05	4.58	2.03	0.12	19.65	4.80	2.20	0.09
17.10	4.59	2.04	0.12	19.70	4.80	2.21	0.09
17.15	4.59	2.04	0.12	19.75	4.80	2.21	0.09
17.20	4.60	2.05	0.11	19.80	4.81	2.21	0.09
17.25	4.60	2.05	0.11	19.85	4.81	2.21	0.09
17.30	4.61	2.05	0.11	19.90	4.81	2.22	0.08
17.35	4.61	2.06	0.11	19.95	4.82	2.22	0.08
17.40	4.61	2.06	0.11	20.00	4.82	2.22	0.08
17.45	4.62	2.06	0.11	20.05	4.83	2.23	0.08
17.50	4.62	2.07	0.11	20.10	4.83	2.23	0.08
17.55	4.63	2.07	0.11	20.15	4.83	2.23	0.08
17.60	4.63	2.08	0.11	20.20	4.84	2.23	0.08
17.65	4.64	2.08	0.10	20.25	4.84	2.24	0.08
17.70	4.64	2.08	0.10	20.30	4.84	2.24	0.08
17.75	4.65	2.09	0.10	20.35	4.85	2.24	0.08
17.80	4.65	2.09	0.10	20.40	4.85	2.25	0.08
17.85	4.66	2.09	0.10	20.45	4.85	2.25	0.08
17.90	4.66	2.10	0.10	20.50	4.86	2.25	0.08
17.95	4.66	2.10	0.10	20.55	4.86	2.25	0.08
18.00	4.67	2.10	0.10	20.60	4.86	2.26	0.08
18.05	4.67	2.11	0.10	20.65	4.87	2.26	0.08
18.10	4.68	2.11	0.09	20.70	4.87	2.26	0.08
18.15	4.68	2.11	0.09	20.75	4.87	2.26	0.08

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.08	23.40	5.04	2.39	0.07
20.85	4.88	2.27	0.08	23.45	5.04	2.40	0.06
20.90	4.88	2.27	0.08	23.50	5.04	2.40	0.06
20.95	4.89	2.28	0.08	23.55	5.04	2.40	0.06
21.00	4.89	2.28	0.08	23.60	5.05	2.40	0.06
21.05	4.89	2.28	0.08	23.65	5.05	2.40	0.06
21.10	4.90	2.28	0.08	23.70	5.05	2.41	0.06
21.15	4.90	2.29	0.08	23.75	5.06	2.41	0.06
21.20	4.90	2.29	0.08	23.80	5.06	2.41	0.06
21.25	4.91	2.29	0.08	23.85	5.06	2.41	0.06
21.30	4.91	2.29	0.08	23.90	5.06	2.42	0.06
21.35	4.91	2.30	0.08	23.95	5.07	2.42	0.07
21.40	4.92	2.30	0.08	24.00	**5.07**	**2.42**	0.07
21.45	4.92	2.30	0.08	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.08	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.08	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.08	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.07	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.07	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.07	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.07	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.07	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.07	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.07	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.07	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.07	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.07	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.07	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.07	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.07	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.07	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.07	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.07	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.07	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.07	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.07	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.07	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.07	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.07	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.07	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.07	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.07	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.07	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.07	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.07	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.07	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.07	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.07	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.07	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.07	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.07	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.07	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

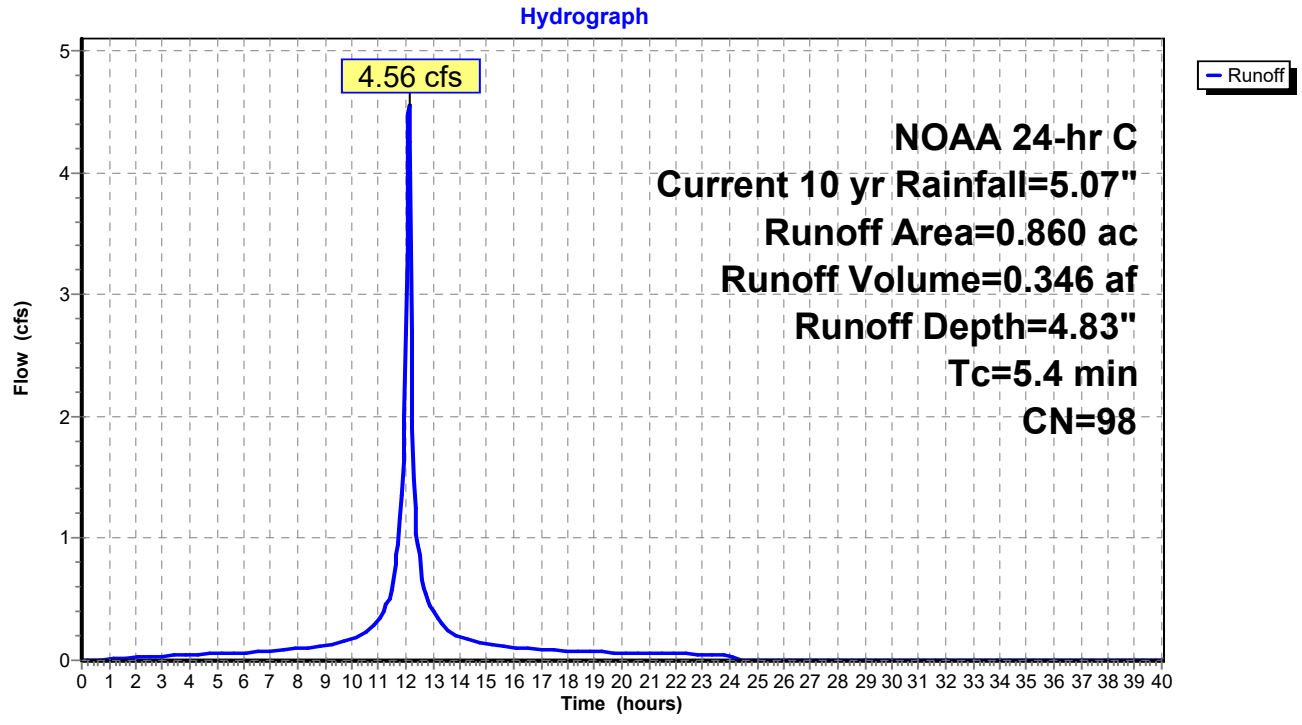
Runoff = 4.56 cfs @ 12.12 hrs, Volume= 0.346 af, Depth= 4.83"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.04
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.05
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.05
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.05
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.05
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.05
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.05
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.05
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.05
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.05
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.05
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.06

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.06	7.80	0.58	0.39	0.09
5.25	0.34	0.18	0.06	7.85	0.59	0.40	0.09
5.30	0.35	0.18	0.06	7.90	0.60	0.41	0.10
5.35	0.35	0.19	0.06	7.95	0.60	0.41	0.10
5.40	0.35	0.19	0.06	8.00	0.61	0.42	0.10
5.45	0.36	0.19	0.06	8.05	0.61	0.42	0.10
5.50	0.36	0.20	0.06	8.10	0.62	0.43	0.10
5.55	0.37	0.20	0.06	8.15	0.63	0.43	0.10
5.60	0.37	0.20	0.06	8.20	0.63	0.44	0.10
5.65	0.37	0.21	0.06	8.25	0.64	0.45	0.10
5.70	0.38	0.21	0.06	8.30	0.65	0.45	0.10
5.75	0.38	0.21	0.06	8.35	0.65	0.46	0.10
5.80	0.39	0.22	0.06	8.40	0.66	0.46	0.10
5.85	0.39	0.22	0.06	8.45	0.66	0.47	0.11
5.90	0.39	0.22	0.06	8.50	0.67	0.48	0.11
5.95	0.40	0.23	0.06	8.55	0.68	0.48	0.11
6.00	0.40	0.23	0.06	8.60	0.68	0.49	0.11
6.05	0.41	0.23	0.06	8.65	0.69	0.50	0.11
6.10	0.41	0.24	0.06	8.70	0.70	0.50	0.11
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.11
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.11
6.25	0.42	0.25	0.07	8.85	0.72	0.52	0.11
6.30	0.43	0.25	0.07	8.90	0.73	0.53	0.11
6.35	0.43	0.26	0.07	8.95	0.73	0.53	0.12
6.40	0.44	0.26	0.07	9.00	0.74	0.54	0.12
6.45	0.44	0.27	0.07	9.05	0.75	0.55	0.12
6.50	0.45	0.27	0.07	9.10	0.76	0.56	0.12
6.55	0.45	0.27	0.07	9.15	0.76	0.56	0.12
6.60	0.46	0.28	0.07	9.20	0.77	0.57	0.13
6.65	0.46	0.28	0.07	9.25	0.78	0.58	0.13
6.70	0.46	0.29	0.07	9.30	0.79	0.59	0.13
6.75	0.47	0.29	0.07	9.35	0.80	0.59	0.14
6.80	0.47	0.29	0.08	9.40	0.80	0.60	0.14
6.85	0.48	0.30	0.08	9.45	0.81	0.61	0.14
6.90	0.48	0.30	0.08	9.50	0.82	0.62	0.15
6.95	0.49	0.31	0.08	9.55	0.83	0.63	0.15
7.00	0.49	0.31	0.08	9.60	0.84	0.64	0.15
7.05	0.50	0.32	0.08	9.65	0.85	0.65	0.16
7.10	0.50	0.32	0.08	9.70	0.86	0.66	0.16
7.15	0.51	0.33	0.08	9.75	0.87	0.67	0.16
7.20	0.52	0.33	0.08	9.80	0.88	0.68	0.17
7.25	0.52	0.34	0.08	9.85	0.89	0.69	0.17
7.30	0.53	0.34	0.08	9.90	0.90	0.70	0.17
7.35	0.53	0.35	0.09	9.95	0.91	0.71	0.18
7.40	0.54	0.35	0.09	10.00	0.92	0.72	0.18
7.45	0.54	0.36	0.09	10.05	0.94	0.73	0.18
7.50	0.55	0.36	0.09	10.10	0.95	0.74	0.19
7.55	0.55	0.37	0.09	10.15	0.96	0.75	0.19
7.60	0.56	0.37	0.09	10.20	0.97	0.76	0.19
7.65	0.57	0.38	0.09	10.25	0.98	0.77	0.20
7.70	0.57	0.38	0.09	10.30	0.99	0.79	0.20
7.75	0.58	0.39	0.09	10.35	1.01	0.80	0.20

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.21	13.00	3.85	3.62	0.41
10.45	1.03	0.82	0.21	13.05	3.87	3.64	0.39
10.50	1.04	0.83	0.21	13.10	3.89	3.66	0.36
10.55	1.06	0.85	0.22	13.15	3.91	3.68	0.35
10.60	1.07	0.86	0.23	13.20	3.93	3.70	0.33
10.65	1.09	0.88	0.24	13.25	3.95	3.71	0.32
10.70	1.10	0.89	0.26	13.30	3.97	3.73	0.30
10.75	1.12	0.91	0.27	13.35	3.98	3.75	0.29
10.80	1.14	0.93	0.28	13.40	4.00	3.76	0.28
10.85	1.16	0.94	0.29	13.45	4.01	3.78	0.27
10.90	1.18	0.96	0.31	13.50	4.03	3.79	0.25
10.95	1.20	0.98	0.32	13.55	4.04	3.80	0.24
11.00	1.22	1.00	0.33	13.60	4.05	3.82	0.23
11.05	1.24	1.02	0.35	13.65	4.06	3.83	0.22
11.10	1.26	1.05	0.37	13.70	4.08	3.84	0.22
11.15	1.29	1.07	0.39	13.75	4.09	3.85	0.21
11.20	1.31	1.10	0.42	13.80	4.10	3.86	0.21
11.25	1.34	1.12	0.44	13.85	4.11	3.88	0.21
11.30	1.37	1.15	0.47	13.90	4.12	3.89	0.20
11.35	1.40	1.18	0.49	13.95	4.13	3.90	0.20
11.40	1.43	1.21	0.51	14.00	4.15	3.91	0.20
11.45	1.47	1.25	0.53	14.05	4.16	3.92	0.19
11.50	1.50	1.28	0.55	14.10	4.17	3.93	0.19
11.55	1.55	1.33	0.63	14.15	4.18	3.94	0.19
11.60	1.60	1.38	0.79	14.20	4.19	3.95	0.18
11.65	1.65	1.43	0.86	14.25	4.20	3.96	0.18
11.70	1.71	1.49	0.91	14.30	4.21	3.97	0.18
11.75	1.78	1.56	0.99	14.35	4.22	3.98	0.17
11.80	1.86	1.63	1.17	14.40	4.23	3.99	0.17
11.85	1.96	1.73	1.35	14.45	4.24	4.00	0.17
11.90	2.06	1.84	1.62	14.50	4.25	4.01	0.16
11.95	2.24	2.01	2.00	14.55	4.26	4.02	0.16
12.00	2.42	2.19	2.68	14.60	4.27	4.03	0.16
12.05	2.71	2.48	3.38	14.65	4.27	4.04	0.15
12.10	3.01	2.78	**4.49**	14.70	4.28	4.05	0.15
12.15	3.11	2.88	4.25	14.75	4.29	4.06	0.15
12.20	3.21	2.98	2.69	14.80	4.30	4.06	0.14
12.25	3.29	3.05	1.91	14.85	4.31	4.07	0.14
12.30	3.36	3.13	1.48	14.90	4.31	4.08	0.14
12.35	3.42	3.18	1.26	14.95	4.32	4.09	0.14
12.40	3.47	3.24	1.04	15.00	4.33	4.09	0.13
12.45	3.52	3.29	0.95	15.05	4.34	4.10	0.13
12.50	3.57	3.34	0.90	15.10	4.34	4.11	0.13
12.55	3.60	3.37	0.83	15.15	4.35	4.12	0.12
12.60	3.64	3.40	0.66	15.20	4.36	4.12	0.12
12.65	3.67	3.43	0.59	15.25	4.36	4.13	0.12
12.70	3.70	3.47	0.55	15.30	4.37	4.14	0.12
12.75	3.73	3.49	0.53	15.35	4.38	4.14	0.12
12.80	3.76	3.52	0.50	15.40	4.39	4.15	0.12
12.85	3.78	3.55	0.48	15.45	4.39	4.16	0.12
12.90	3.81	3.57	0.46	15.50	4.40	4.16	0.12
12.95	3.83	3.60	0.44	15.55	4.41	4.17	0.12

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.07
15.75	4.43	4.20	0.11	18.35	4.70	4.46	0.07
15.80	4.44	4.20	0.11	18.40	4.70	4.46	0.07
15.85	4.44	4.21	0.11	18.45	4.70	4.47	0.07
15.90	4.45	4.21	0.11	18.50	4.71	4.47	0.07
15.95	4.46	4.22	0.11	18.55	4.71	4.48	0.07
16.00	4.46	4.23	0.11	18.60	4.72	4.48	0.07
16.05	4.47	4.23	0.11	18.65	4.72	4.48	0.07
16.10	4.47	4.24	0.11	18.70	4.72	4.49	0.07
16.15	4.48	4.24	0.11	18.75	4.73	4.49	0.07
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.07
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.07
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.07
16.35	4.50	4.27	0.10	18.95	4.74	4.51	0.07
16.40	4.51	4.27	0.10	19.00	4.75	4.51	0.07
16.45	4.52	4.28	0.10	19.05	4.75	4.51	0.07
16.50	4.52	4.29	0.10	19.10	4.76	4.52	0.07
16.55	4.53	4.29	0.10	19.15	4.76	4.52	0.07
16.60	4.53	4.30	0.10	19.20	4.76	4.53	0.07
16.65	4.54	4.30	0.10	19.25	4.77	4.53	0.07
16.70	4.54	4.31	0.10	19.30	4.77	4.53	0.07
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.07
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.07
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.09	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.09	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.09	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.09	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.09	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.09	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.08	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.08	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.08	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.08	20.40	4.85	4.61	0.06
17.85	4.66	4.42	0.08	20.45	4.85	4.62	0.06
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.06
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.06
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.06
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.06
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.06
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.06

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.06	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.06	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.06	23.50	5.04	4.81	0.05
20.95	4.89	4.65	0.06	23.55	5.04	4.81	0.05
21.00	4.89	4.65	0.06	23.60	5.05	4.81	0.05
21.05	4.89	4.66	0.06	23.65	5.05	4.81	0.05
21.10	4.90	4.66	0.06	23.70	5.05	4.82	0.05
21.15	4.90	4.66	0.06	23.75	5.06	4.82	0.05
21.20	4.90	4.67	0.06	23.80	5.06	4.82	0.05
21.25	4.91	4.67	0.06	23.85	5.06	4.82	0.05
21.30	4.91	4.67	0.06	23.90	5.06	4.83	0.05
21.35	4.91	4.68	0.06	23.95	5.07	4.83	0.05
21.40	4.92	4.68	0.06	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.06	24.05	5.07	4.83	0.04
21.50	4.92	4.69	0.06	24.10	5.07	4.83	0.02
21.55	4.93	4.69	0.06	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.06	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.06	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.06	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.05	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.05	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.05	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.05	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

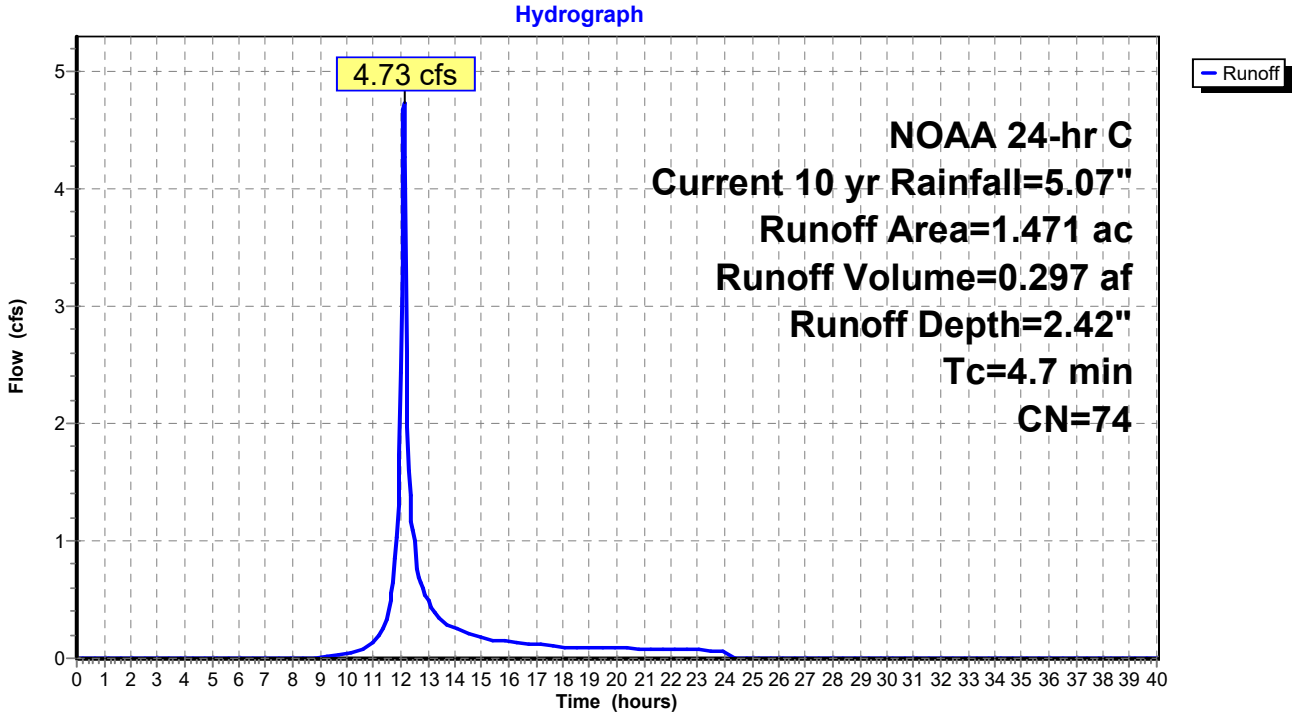
Runoff = 4.73 cfs @ 12.11 hrs, Volume= 0.297 af, Depth= 2.42"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.02
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.03
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.04
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.04
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.04
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.04
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.05
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.05
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.05

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.06	13.00	3.85	1.49	0.50
10.45	1.03	0.03	0.06	13.05	3.87	1.50	0.47
10.50	1.04	0.03	0.06	13.10	3.89	1.52	0.44
10.55	1.06	0.03	0.07	13.15	3.91	1.53	0.43
10.60	1.07	0.04	0.07	13.20	3.93	1.55	0.41
10.65	1.09	0.04	0.08	13.25	3.95	1.56	0.39
10.70	1.10	0.04	0.08	13.30	3.97	1.57	0.38
10.75	1.12	0.04	0.09	13.35	3.98	1.58	0.36
10.80	1.14	0.05	0.10	13.40	4.00	1.59	0.35
10.85	1.16	0.05	0.11	13.45	4.01	1.60	0.33
10.90	1.18	0.06	0.12	13.50	4.03	1.61	0.32
10.95	1.20	0.06	0.12	13.55	4.04	1.62	0.30
11.00	1.22	0.07	0.13	13.60	4.05	1.63	0.29
11.05	1.24	0.07	0.15	13.65	4.06	1.64	0.28
11.10	1.26	0.08	0.16	13.70	4.08	1.65	0.27
11.15	1.29	0.08	0.18	13.75	4.09	1.66	0.27
11.20	1.31	0.09	0.19	13.80	4.10	1.67	0.27
11.25	1.34	0.10	0.21	13.85	4.11	1.68	0.26
11.30	1.37	0.11	0.23	13.90	4.12	1.69	0.26
11.35	1.40	0.12	0.25	13.95	4.13	1.70	0.26
11.40	1.43	0.13	0.27	14.00	4.15	1.70	0.25
11.45	1.47	0.14	0.29	14.05	4.16	1.71	0.25
11.50	1.50	0.15	0.31	14.10	4.17	1.72	0.24
11.55	1.55	0.16	0.38	14.15	4.18	1.73	0.24
11.60	1.60	0.18	0.49	14.20	4.19	1.74	0.24
11.65	1.65	0.20	0.55	14.25	4.20	1.74	0.23
11.70	1.71	0.22	0.59	14.30	4.21	1.75	0.23
11.75	1.78	0.25	0.69	14.35	4.22	1.76	0.22
11.80	1.86	0.29	0.85	14.40	4.23	1.77	0.22
11.85	1.96	0.33	1.03	14.45	4.24	1.77	0.22
11.90	2.06	0.38	1.29	14.50	4.25	1.78	0.21
11.95	2.24	0.47	1.73	14.55	4.26	1.79	0.21
12.00	2.42	0.56	2.44	14.60	4.27	1.79	0.20
12.05	2.71	0.73	3.34	14.65	4.27	1.80	0.20
12.10	3.01	0.91	**4.67**	14.70	4.28	1.81	0.19
12.15	3.11	0.98	4.26	14.75	4.29	1.81	0.19
12.20	3.21	1.05	2.62	14.80	4.30	1.82	0.19
12.25	3.29	1.10	1.97	14.85	4.31	1.82	0.18
12.30	3.36	1.15	1.59	14.90	4.31	1.83	0.18
12.35	3.42	1.18	1.38	14.95	4.32	1.84	0.17
12.40	3.47	1.22	1.17	15.00	4.33	1.84	0.17
12.45	3.52	1.25	1.10	15.05	4.34	1.85	0.17
12.50	3.57	1.29	1.06	15.10	4.34	1.85	0.16
12.55	3.60	1.31	0.95	15.15	4.35	1.86	0.16
12.60	3.64	1.34	0.76	15.20	4.36	1.86	0.16
12.65	3.67	1.36	0.69	15.25	4.36	1.87	0.16
12.70	3.70	1.38	0.66	15.30	4.37	1.87	0.16
12.75	3.73	1.40	0.64	15.35	4.38	1.88	0.16
12.80	3.76	1.42	0.61	15.40	4.39	1.88	0.15
12.85	3.78	1.44	0.58	15.45	4.39	1.89	0.15
12.90	3.81	1.46	0.55	15.50	4.40	1.89	0.15
12.95	3.83	1.47	0.53	15.55	4.41	1.90	0.15

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.15	18.20	4.68	2.12	0.09
15.65	4.42	1.91	0.15	18.25	4.69	2.12	0.09
15.70	4.42	1.91	0.15	18.30	4.69	2.12	0.09
15.75	4.43	1.92	0.15	18.35	4.70	2.12	0.09
15.80	4.44	1.92	0.15	18.40	4.70	2.13	0.09
15.85	4.44	1.93	0.14	18.45	4.70	2.13	0.09
15.90	4.45	1.93	0.14	18.50	4.71	2.13	0.09
15.95	4.46	1.94	0.14	18.55	4.71	2.14	0.09
16.00	4.46	1.94	0.14	18.60	4.72	2.14	0.09
16.05	4.47	1.95	0.14	18.65	4.72	2.14	0.09
16.10	4.47	1.95	0.14	18.70	4.72	2.15	0.09
16.15	4.48	1.96	0.14	18.75	4.73	2.15	0.09
16.20	4.49	1.96	0.14	18.80	4.73	2.15	0.09
16.25	4.49	1.97	0.14	18.85	4.74	2.16	0.09
16.30	4.50	1.97	0.13	18.90	4.74	2.16	0.09
16.35	4.50	1.98	0.13	18.95	4.74	2.16	0.09
16.40	4.51	1.98	0.13	19.00	4.75	2.16	0.09
16.45	4.52	1.98	0.13	19.05	4.75	2.17	0.09
16.50	4.52	1.99	0.13	19.10	4.76	2.17	0.09
16.55	4.53	1.99	0.13	19.15	4.76	2.17	0.09
16.60	4.53	2.00	0.13	19.20	4.76	2.18	0.09
16.65	4.54	2.00	0.13	19.25	4.77	2.18	0.09
16.70	4.54	2.01	0.13	19.30	4.77	2.18	0.09
16.75	4.55	2.01	0.13	19.35	4.77	2.19	0.09
16.80	4.55	2.01	0.12	19.40	4.78	2.19	0.09
16.85	4.56	2.02	0.12	19.45	4.78	2.19	0.09
16.90	4.57	2.02	0.12	19.50	4.79	2.19	0.09
16.95	4.57	2.03	0.12	19.55	4.79	2.20	0.09
17.00	4.58	2.03	0.12	19.60	4.79	2.20	0.09
17.05	4.58	2.03	0.12	19.65	4.80	2.20	0.09
17.10	4.59	2.04	0.12	19.70	4.80	2.21	0.09
17.15	4.59	2.04	0.12	19.75	4.80	2.21	0.09
17.20	4.60	2.05	0.12	19.80	4.81	2.21	0.09
17.25	4.60	2.05	0.11	19.85	4.81	2.21	0.09
17.30	4.61	2.05	0.11	19.90	4.81	2.22	0.08
17.35	4.61	2.06	0.11	19.95	4.82	2.22	0.08
17.40	4.61	2.06	0.11	20.00	4.82	2.22	0.08
17.45	4.62	2.06	0.11	20.05	4.83	2.23	0.08
17.50	4.62	2.07	0.11	20.10	4.83	2.23	0.08
17.55	4.63	2.07	0.11	20.15	4.83	2.23	0.08
17.60	4.63	2.08	0.11	20.20	4.84	2.23	0.08
17.65	4.64	2.08	0.11	20.25	4.84	2.24	0.08
17.70	4.64	2.08	0.10	20.30	4.84	2.24	0.08
17.75	4.65	2.09	0.10	20.35	4.85	2.24	0.08
17.80	4.65	2.09	0.10	20.40	4.85	2.25	0.08
17.85	4.66	2.09	0.10	20.45	4.85	2.25	0.08
17.90	4.66	2.10	0.10	20.50	4.86	2.25	0.08
17.95	4.66	2.10	0.10	20.55	4.86	2.25	0.08
18.00	4.67	2.10	0.10	20.60	4.86	2.26	0.08
18.05	4.67	2.11	0.10	20.65	4.87	2.26	0.08
18.10	4.68	2.11	0.09	20.70	4.87	2.26	0.08
18.15	4.68	2.11	0.09	20.75	4.87	2.26	0.08

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.08	23.40	5.04	2.39	0.07
20.85	4.88	2.27	0.08	23.45	5.04	2.40	0.07
20.90	4.88	2.27	0.08	23.50	5.04	2.40	0.06
20.95	4.89	2.28	0.08	23.55	5.04	2.40	0.06
21.00	4.89	2.28	0.08	23.60	5.05	2.40	0.06
21.05	4.89	2.28	0.08	23.65	5.05	2.40	0.06
21.10	4.90	2.28	0.08	23.70	5.05	2.41	0.06
21.15	4.90	2.29	0.08	23.75	5.06	2.41	0.06
21.20	4.90	2.29	0.08	23.80	5.06	2.41	0.06
21.25	4.91	2.29	0.08	23.85	5.06	2.41	0.06
21.30	4.91	2.29	0.08	23.90	5.06	2.42	0.06
21.35	4.91	2.30	0.08	23.95	5.07	2.42	0.07
21.40	4.92	2.30	0.08	24.00	**5.07**	**2.42**	0.07
21.45	4.92	2.30	0.08	24.05	5.07	2.42	0.05
21.50	4.92	2.30	0.08	24.10	5.07	2.42	0.01
21.55	4.93	2.31	0.08	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.08	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.08	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.07	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.07	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.07	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.07	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.07	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.07	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.07	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.07	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.07	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.07	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.07	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.07	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.07	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.07	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.07	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.07	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.07	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.07	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.07	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.07	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.07	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.07	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.07	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.07	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.07	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.07	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.07	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.07	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.07	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.07	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.07	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.07	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.07	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.07	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

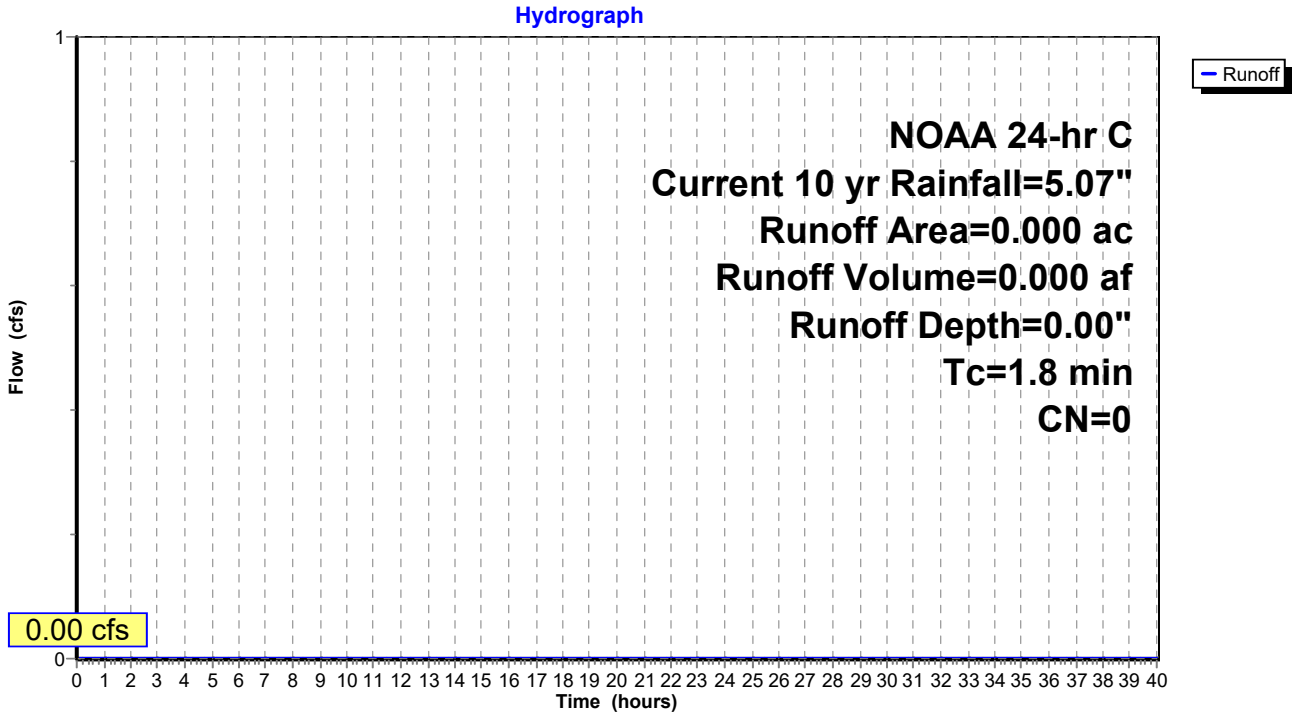
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.00	0.00
10.45	1.03	0.00	0.00	13.05	3.87	0.00	0.00
10.50	1.04	0.00	0.00	13.10	3.89	0.00	0.00
10.55	1.06	0.00	0.00	13.15	3.91	0.00	0.00
10.60	1.07	0.00	0.00	13.20	3.93	0.00	0.00
10.65	1.09	0.00	0.00	13.25	3.95	0.00	0.00
10.70	1.10	0.00	0.00	13.30	3.97	0.00	0.00
10.75	1.12	0.00	0.00	13.35	3.98	0.00	0.00
10.80	1.14	0.00	0.00	13.40	4.00	0.00	0.00
10.85	1.16	0.00	0.00	13.45	4.01	0.00	0.00
10.90	1.18	0.00	0.00	13.50	4.03	0.00	0.00
10.95	1.20	0.00	0.00	13.55	4.04	0.00	0.00
11.00	1.22	0.00	0.00	13.60	4.05	0.00	0.00
11.05	1.24	0.00	0.00	13.65	4.06	0.00	0.00
11.10	1.26	0.00	0.00	13.70	4.08	0.00	0.00
11.15	1.29	0.00	0.00	13.75	4.09	0.00	0.00
11.20	1.31	0.00	0.00	13.80	4.10	0.00	0.00
11.25	1.34	0.00	0.00	13.85	4.11	0.00	0.00
11.30	1.37	0.00	0.00	13.90	4.12	0.00	0.00
11.35	1.40	0.00	0.00	13.95	4.13	0.00	0.00
11.40	1.43	0.00	0.00	14.00	4.15	0.00	0.00
11.45	1.47	0.00	0.00	14.05	4.16	0.00	0.00
11.50	1.50	0.00	0.00	14.10	4.17	0.00	0.00
11.55	1.55	0.00	0.00	14.15	4.18	0.00	0.00
11.60	1.60	0.00	0.00	14.20	4.19	0.00	0.00
11.65	1.65	0.00	0.00	14.25	4.20	0.00	0.00
11.70	1.71	0.00	0.00	14.30	4.21	0.00	0.00
11.75	1.78	0.00	0.00	14.35	4.22	0.00	0.00
11.80	1.86	0.00	0.00	14.40	4.23	0.00	0.00
11.85	1.96	0.00	0.00	14.45	4.24	0.00	0.00
11.90	2.06	0.00	0.00	14.50	4.25	0.00	0.00
11.95	2.24	0.00	0.00	14.55	4.26	0.00	0.00
12.00	2.42	0.00	0.00	14.60	4.27	0.00	0.00
12.05	2.71	0.00	0.00	14.65	4.27	0.00	0.00
12.10	3.01	0.00	0.00	14.70	4.28	0.00	0.00
12.15	3.11	0.00	0.00	14.75	4.29	0.00	0.00
12.20	3.21	0.00	0.00	14.80	4.30	0.00	0.00
12.25	3.29	0.00	0.00	14.85	4.31	0.00	0.00
12.30	3.36	0.00	0.00	14.90	4.31	0.00	0.00
12.35	3.42	0.00	0.00	14.95	4.32	0.00	0.00
12.40	3.47	0.00	0.00	15.00	4.33	0.00	0.00
12.45	3.52	0.00	0.00	15.05	4.34	0.00	0.00
12.50	3.57	0.00	0.00	15.10	4.34	0.00	0.00
12.55	3.60	0.00	0.00	15.15	4.35	0.00	0.00
12.60	3.64	0.00	0.00	15.20	4.36	0.00	0.00
12.65	3.67	0.00	0.00	15.25	4.36	0.00	0.00
12.70	3.70	0.00	0.00	15.30	4.37	0.00	0.00
12.75	3.73	0.00	0.00	15.35	4.38	0.00	0.00
12.80	3.76	0.00	0.00	15.40	4.39	0.00	0.00
12.85	3.78	0.00	0.00	15.45	4.39	0.00	0.00
12.90	3.81	0.00	0.00	15.50	4.40	0.00	0.00
12.95	3.83	0.00	0.00	15.55	4.41	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	0.00	0.00	18.20	4.68	0.00	0.00
15.65	4.42	0.00	0.00	18.25	4.69	0.00	0.00
15.70	4.42	0.00	0.00	18.30	4.69	0.00	0.00
15.75	4.43	0.00	0.00	18.35	4.70	0.00	0.00
15.80	4.44	0.00	0.00	18.40	4.70	0.00	0.00
15.85	4.44	0.00	0.00	18.45	4.70	0.00	0.00
15.90	4.45	0.00	0.00	18.50	4.71	0.00	0.00
15.95	4.46	0.00	0.00	18.55	4.71	0.00	0.00
16.00	4.46	0.00	0.00	18.60	4.72	0.00	0.00
16.05	4.47	0.00	0.00	18.65	4.72	0.00	0.00
16.10	4.47	0.00	0.00	18.70	4.72	0.00	0.00
16.15	4.48	0.00	0.00	18.75	4.73	0.00	0.00
16.20	4.49	0.00	0.00	18.80	4.73	0.00	0.00
16.25	4.49	0.00	0.00	18.85	4.74	0.00	0.00
16.30	4.50	0.00	0.00	18.90	4.74	0.00	0.00
16.35	4.50	0.00	0.00	18.95	4.74	0.00	0.00
16.40	4.51	0.00	0.00	19.00	4.75	0.00	0.00
16.45	4.52	0.00	0.00	19.05	4.75	0.00	0.00
16.50	4.52	0.00	0.00	19.10	4.76	0.00	0.00
16.55	4.53	0.00	0.00	19.15	4.76	0.00	0.00
16.60	4.53	0.00	0.00	19.20	4.76	0.00	0.00
16.65	4.54	0.00	0.00	19.25	4.77	0.00	0.00
16.70	4.54	0.00	0.00	19.30	4.77	0.00	0.00
16.75	4.55	0.00	0.00	19.35	4.77	0.00	0.00
16.80	4.55	0.00	0.00	19.40	4.78	0.00	0.00
16.85	4.56	0.00	0.00	19.45	4.78	0.00	0.00
16.90	4.57	0.00	0.00	19.50	4.79	0.00	0.00
16.95	4.57	0.00	0.00	19.55	4.79	0.00	0.00
17.00	4.58	0.00	0.00	19.60	4.79	0.00	0.00
17.05	4.58	0.00	0.00	19.65	4.80	0.00	0.00
17.10	4.59	0.00	0.00	19.70	4.80	0.00	0.00
17.15	4.59	0.00	0.00	19.75	4.80	0.00	0.00
17.20	4.60	0.00	0.00	19.80	4.81	0.00	0.00
17.25	4.60	0.00	0.00	19.85	4.81	0.00	0.00
17.30	4.61	0.00	0.00	19.90	4.81	0.00	0.00
17.35	4.61	0.00	0.00	19.95	4.82	0.00	0.00
17.40	4.61	0.00	0.00	20.00	4.82	0.00	0.00
17.45	4.62	0.00	0.00	20.05	4.83	0.00	0.00
17.50	4.62	0.00	0.00	20.10	4.83	0.00	0.00
17.55	4.63	0.00	0.00	20.15	4.83	0.00	0.00
17.60	4.63	0.00	0.00	20.20	4.84	0.00	0.00
17.65	4.64	0.00	0.00	20.25	4.84	0.00	0.00
17.70	4.64	0.00	0.00	20.30	4.84	0.00	0.00
17.75	4.65	0.00	0.00	20.35	4.85	0.00	0.00
17.80	4.65	0.00	0.00	20.40	4.85	0.00	0.00
17.85	4.66	0.00	0.00	20.45	4.85	0.00	0.00
17.90	4.66	0.00	0.00	20.50	4.86	0.00	0.00
17.95	4.66	0.00	0.00	20.55	4.86	0.00	0.00
18.00	4.67	0.00	0.00	20.60	4.86	0.00	0.00
18.05	4.67	0.00	0.00	20.65	4.87	0.00	0.00
18.10	4.68	0.00	0.00	20.70	4.87	0.00	0.00
18.15	4.68	0.00	0.00	20.75	4.87	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	0.00	0.00	23.40	5.04	0.00	0.00
20.85	4.88	0.00	0.00	23.45	5.04	0.00	0.00
20.90	4.88	0.00	0.00	23.50	5.04	0.00	0.00
20.95	4.89	0.00	0.00	23.55	5.04	0.00	0.00
21.00	4.89	0.00	0.00	23.60	5.05	0.00	0.00
21.05	4.89	0.00	0.00	23.65	5.05	0.00	0.00
21.10	4.90	0.00	0.00	23.70	5.05	0.00	0.00
21.15	4.90	0.00	0.00	23.75	5.06	0.00	0.00
21.20	4.90	0.00	0.00	23.80	5.06	0.00	0.00
21.25	4.91	0.00	0.00	23.85	5.06	0.00	0.00
21.30	4.91	0.00	0.00	23.90	5.06	0.00	0.00
21.35	4.91	0.00	0.00	23.95	5.07	0.00	0.00
21.40	4.92	0.00	0.00	24.00	**5.07**	0.00	0.00
21.45	4.92	0.00	0.00	24.05	5.07	0.00	0.00
21.50	4.92	0.00	0.00	24.10	5.07	0.00	0.00
21.55	4.93	0.00	0.00	24.15	5.07	0.00	0.00
21.60	4.93	0.00	0.00	24.20	5.07	0.00	0.00
21.65	4.93	0.00	0.00	24.25	5.07	0.00	0.00
21.70	4.94	0.00	0.00	24.30	5.07	0.00	0.00
21.75	4.94	0.00	0.00	24.35	5.07	0.00	0.00
21.80	4.94	0.00	0.00	24.40	5.07	0.00	0.00
21.85	4.95	0.00	0.00	24.45	5.07	0.00	0.00
21.90	4.95	0.00	0.00	24.50	5.07	0.00	0.00
21.95	4.95	0.00	0.00	24.55	5.07	0.00	0.00
22.00	4.96	0.00	0.00	24.60	5.07	0.00	0.00
22.05	4.96	0.00	0.00	24.65	5.07	0.00	0.00
22.10	4.96	0.00	0.00	24.70	5.07	0.00	0.00
22.15	4.96	0.00	0.00	24.75	5.07	0.00	0.00
22.20	4.97	0.00	0.00	24.80	5.07	0.00	0.00
22.25	4.97	0.00	0.00	24.85	5.07	0.00	0.00
22.30	4.97	0.00	0.00	24.90	5.07	0.00	0.00
22.35	4.98	0.00	0.00	24.95	5.07	0.00	0.00
22.40	4.98	0.00	0.00	25.00	5.07	0.00	0.00
22.45	4.98	0.00	0.00	25.05	5.07	0.00	0.00
22.50	4.99	0.00	0.00	25.10	5.07	0.00	0.00
22.55	4.99	0.00	0.00	25.15	5.07	0.00	0.00
22.60	4.99	0.00	0.00	25.20	5.07	0.00	0.00
22.65	4.99	0.00	0.00	25.25	5.07	0.00	0.00
22.70	5.00	0.00	0.00	25.30	5.07	0.00	0.00
22.75	5.00	0.00	0.00	25.35	5.07	0.00	0.00
22.80	5.00	0.00	0.00	25.40	5.07	0.00	0.00
22.85	5.01	0.00	0.00	25.45	5.07	0.00	0.00
22.90	5.01	0.00	0.00	25.50	5.07	0.00	0.00
22.95	5.01	0.00	0.00	25.55	5.07	0.00	0.00
23.00	5.01	0.00	0.00	25.60	5.07	0.00	0.00
23.05	5.02	0.00	0.00	25.65	5.07	0.00	0.00
23.10	5.02	0.00	0.00	25.70	5.07	0.00	0.00
23.15	5.02	0.00	0.00	25.75	5.07	0.00	0.00
23.20	5.03	0.00	0.00	25.80	5.07	0.00	0.00
23.25	5.03	0.00	0.00	25.85	5.07	0.00	0.00
23.30	5.03	0.00	0.00	25.90	5.07	0.00	0.00
23.35	5.03	0.00	0.00	25.95	5.07	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	0.00	0.00	28.60	5.07	0.00	0.00
26.05	5.07	0.00	0.00	28.65	5.07	0.00	0.00
26.10	5.07	0.00	0.00	28.70	5.07	0.00	0.00
26.15	5.07	0.00	0.00	28.75	5.07	0.00	0.00
26.20	5.07	0.00	0.00	28.80	5.07	0.00	0.00
26.25	5.07	0.00	0.00	28.85	5.07	0.00	0.00
26.30	5.07	0.00	0.00	28.90	5.07	0.00	0.00
26.35	5.07	0.00	0.00	28.95	5.07	0.00	0.00
26.40	5.07	0.00	0.00	29.00	5.07	0.00	0.00
26.45	5.07	0.00	0.00	29.05	5.07	0.00	0.00
26.50	5.07	0.00	0.00	29.10	5.07	0.00	0.00
26.55	5.07	0.00	0.00	29.15	5.07	0.00	0.00
26.60	5.07	0.00	0.00	29.20	5.07	0.00	0.00
26.65	5.07	0.00	0.00	29.25	5.07	0.00	0.00
26.70	5.07	0.00	0.00	29.30	5.07	0.00	0.00
26.75	5.07	0.00	0.00	29.35	5.07	0.00	0.00
26.80	5.07	0.00	0.00	29.40	5.07	0.00	0.00
26.85	5.07	0.00	0.00	29.45	5.07	0.00	0.00
26.90	5.07	0.00	0.00	29.50	5.07	0.00	0.00
26.95	5.07	0.00	0.00	29.55	5.07	0.00	0.00
27.00	5.07	0.00	0.00	29.60	5.07	0.00	0.00
27.05	5.07	0.00	0.00	29.65	5.07	0.00	0.00
27.10	5.07	0.00	0.00	29.70	5.07	0.00	0.00
27.15	5.07	0.00	0.00	29.75	5.07	0.00	0.00
27.20	5.07	0.00	0.00	29.80	5.07	0.00	0.00
27.25	5.07	0.00	0.00	29.85	5.07	0.00	0.00
27.30	5.07	0.00	0.00	29.90	5.07	0.00	0.00
27.35	5.07	0.00	0.00	29.95	5.07	0.00	0.00
27.40	5.07	0.00	0.00	30.00	5.07	0.00	0.00
27.45	5.07	0.00	0.00	30.05	5.07	0.00	0.00
27.50	5.07	0.00	0.00	30.10	5.07	0.00	0.00
27.55	5.07	0.00	0.00	30.15	5.07	0.00	0.00
27.60	5.07	0.00	0.00	30.20	5.07	0.00	0.00
27.65	5.07	0.00	0.00	30.25	5.07	0.00	0.00
27.70	5.07	0.00	0.00	30.30	5.07	0.00	0.00
27.75	5.07	0.00	0.00	30.35	5.07	0.00	0.00
27.80	5.07	0.00	0.00	30.40	5.07	0.00	0.00
27.85	5.07	0.00	0.00	30.45	5.07	0.00	0.00
27.90	5.07	0.00	0.00	30.50	5.07	0.00	0.00
27.95	5.07	0.00	0.00	30.55	5.07	0.00	0.00
28.00	5.07	0.00	0.00	30.60	5.07	0.00	0.00
28.05	5.07	0.00	0.00	30.65	5.07	0.00	0.00
28.10	5.07	0.00	0.00	30.70	5.07	0.00	0.00
28.15	5.07	0.00	0.00	30.75	5.07	0.00	0.00
28.20	5.07	0.00	0.00	30.80	5.07	0.00	0.00
28.25	5.07	0.00	0.00	30.85	5.07	0.00	0.00
28.30	5.07	0.00	0.00	30.90	5.07	0.00	0.00
28.35	5.07	0.00	0.00	30.95	5.07	0.00	0.00
28.40	5.07	0.00	0.00	31.00	5.07	0.00	0.00
28.45	5.07	0.00	0.00	31.05	5.07	0.00	0.00
28.50	5.07	0.00	0.00	31.10	5.07	0.00	0.00
28.55	5.07	0.00	0.00	31.15	5.07	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	0.00	0.00	33.80	5.07	0.00	0.00
31.25	5.07	0.00	0.00	33.85	5.07	0.00	0.00
31.30	5.07	0.00	0.00	33.90	5.07	0.00	0.00
31.35	5.07	0.00	0.00	33.95	5.07	0.00	0.00
31.40	5.07	0.00	0.00	34.00	5.07	0.00	0.00
31.45	5.07	0.00	0.00	34.05	5.07	0.00	0.00
31.50	5.07	0.00	0.00	34.10	5.07	0.00	0.00
31.55	5.07	0.00	0.00	34.15	5.07	0.00	0.00
31.60	5.07	0.00	0.00	34.20	5.07	0.00	0.00
31.65	5.07	0.00	0.00	34.25	5.07	0.00	0.00
31.70	5.07	0.00	0.00	34.30	5.07	0.00	0.00
31.75	5.07	0.00	0.00	34.35	5.07	0.00	0.00
31.80	5.07	0.00	0.00	34.40	5.07	0.00	0.00
31.85	5.07	0.00	0.00	34.45	5.07	0.00	0.00
31.90	5.07	0.00	0.00	34.50	5.07	0.00	0.00
31.95	5.07	0.00	0.00	34.55	5.07	0.00	0.00
32.00	5.07	0.00	0.00	34.60	5.07	0.00	0.00
32.05	5.07	0.00	0.00	34.65	5.07	0.00	0.00
32.10	5.07	0.00	0.00	34.70	5.07	0.00	0.00
32.15	5.07	0.00	0.00	34.75	5.07	0.00	0.00
32.20	5.07	0.00	0.00	34.80	5.07	0.00	0.00
32.25	5.07	0.00	0.00	34.85	5.07	0.00	0.00
32.30	5.07	0.00	0.00	34.90	5.07	0.00	0.00
32.35	5.07	0.00	0.00	34.95	5.07	0.00	0.00
32.40	5.07	0.00	0.00	35.00	5.07	0.00	0.00
32.45	5.07	0.00	0.00	35.05	5.07	0.00	0.00
32.50	5.07	0.00	0.00	35.10	5.07	0.00	0.00
32.55	5.07	0.00	0.00	35.15	5.07	0.00	0.00
32.60	5.07	0.00	0.00	35.20	5.07	0.00	0.00
32.65	5.07	0.00	0.00	35.25	5.07	0.00	0.00
32.70	5.07	0.00	0.00	35.30	5.07	0.00	0.00
32.75	5.07	0.00	0.00	35.35	5.07	0.00	0.00
32.80	5.07	0.00	0.00	35.40	5.07	0.00	0.00
32.85	5.07	0.00	0.00	35.45	5.07	0.00	0.00
32.90	5.07	0.00	0.00	35.50	5.07	0.00	0.00
32.95	5.07	0.00	0.00	35.55	5.07	0.00	0.00
33.00	5.07	0.00	0.00	35.60	5.07	0.00	0.00
33.05	5.07	0.00	0.00	35.65	5.07	0.00	0.00
33.10	5.07	0.00	0.00	35.70	5.07	0.00	0.00
33.15	5.07	0.00	0.00	35.75	5.07	0.00	0.00
33.20	5.07	0.00	0.00	35.80	5.07	0.00	0.00
33.25	5.07	0.00	0.00	35.85	5.07	0.00	0.00
33.30	5.07	0.00	0.00	35.90	5.07	0.00	0.00
33.35	5.07	0.00	0.00	35.95	5.07	0.00	0.00
33.40	5.07	0.00	0.00	36.00	5.07	0.00	0.00
33.45	5.07	0.00	0.00	36.05	5.07	0.00	0.00
33.50	5.07	0.00	0.00	36.10	5.07	0.00	0.00
33.55	5.07	0.00	0.00	36.15	5.07	0.00	0.00
33.60	5.07	0.00	0.00	36.20	5.07	0.00	0.00
33.65	5.07	0.00	0.00	36.25	5.07	0.00	0.00
33.70	5.07	0.00	0.00	36.30	5.07	0.00	0.00
33.75	5.07	0.00	0.00	36.35	5.07	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	0.00	0.00
36.45	5.07	0.00	0.00
36.50	5.07	0.00	0.00
36.55	5.07	0.00	0.00
36.60	5.07	0.00	0.00
36.65	5.07	0.00	0.00
36.70	5.07	0.00	0.00
36.75	5.07	0.00	0.00
36.80	5.07	0.00	0.00
36.85	5.07	0.00	0.00
36.90	5.07	0.00	0.00
36.95	5.07	0.00	0.00
37.00	5.07	0.00	0.00
37.05	5.07	0.00	0.00
37.10	5.07	0.00	0.00
37.15	5.07	0.00	0.00
37.20	5.07	0.00	0.00
37.25	5.07	0.00	0.00
37.30	5.07	0.00	0.00
37.35	5.07	0.00	0.00
37.40	5.07	0.00	0.00
37.45	5.07	0.00	0.00
37.50	5.07	0.00	0.00
37.55	5.07	0.00	0.00
37.60	5.07	0.00	0.00
37.65	5.07	0.00	0.00
37.70	5.07	0.00	0.00
37.75	5.07	0.00	0.00
37.80	5.07	0.00	0.00
37.85	5.07	0.00	0.00
37.90	5.07	0.00	0.00
37.95	5.07	0.00	0.00
38.00	5.07	0.00	0.00
38.05	5.07	0.00	0.00
38.10	5.07	0.00	0.00
38.15	5.07	0.00	0.00
38.20	5.07	0.00	0.00
38.25	5.07	0.00	0.00
38.30	5.07	0.00	0.00
38.35	5.07	0.00	0.00
38.40	5.07	0.00	0.00
38.45	5.07	0.00	0.00
38.50	5.07	0.00	0.00
38.55	5.07	0.00	0.00
38.60	5.07	0.00	0.00
38.65	5.07	0.00	0.00
38.70	5.07	0.00	0.00
38.75	5.07	0.00	0.00
38.80	5.07	0.00	0.00
38.85	5.07	0.00	0.00
38.90	5.07	0.00	0.00
38.95	5.07	0.00	0.00
39.00	5.07	0.00	0.00
39.05	5.07	0.00	0.00
39.10	5.07	0.00	0.00
39.15	5.07	0.00	0.00
39.20	5.07	0.00	0.00
39.25	5.07	0.00	0.00
39.30	5.07	0.00	0.00
39.35	5.07	0.00	0.00
39.40	5.07	0.00	0.00
39.45	5.07	0.00	0.00
39.50	5.07	0.00	0.00
39.55	5.07	0.00	0.00
39.60	5.07	0.00	0.00
39.65	5.07	0.00	0.00
39.70	5.07	0.00	0.00
39.75	5.07	0.00	0.00
39.80	5.07	0.00	0.00
39.85	5.07	0.00	0.00
39.90	5.07	0.00	0.00
39.95	5.07	0.00	0.00
40.00	5.07	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

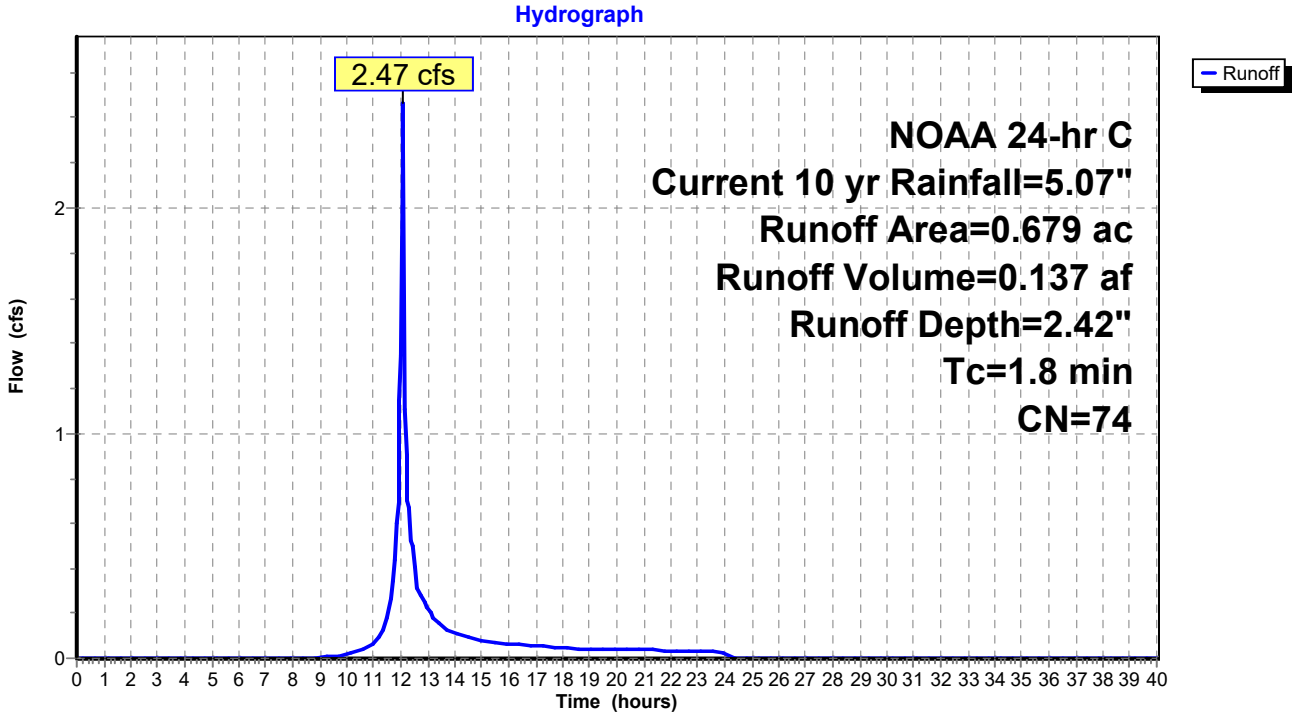
Runoff = 2.47 cfs @ 12.08 hrs, Volume= 0.137 af, Depth= 2.42"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.01
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.02
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.22
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.20
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.20
10.55	1.06	0.03	0.03	13.15	3.91	1.53	0.19
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.18
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.17
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.17
10.75	1.12	0.04	0.05	13.35	3.98	1.58	0.16
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.16
10.85	1.16	0.05	0.05	13.45	4.01	1.60	0.15
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.14
10.95	1.20	0.06	0.06	13.55	4.04	1.62	0.13
11.00	1.22	0.07	0.07	13.60	4.05	1.63	0.13
11.05	1.24	0.07	0.07	13.65	4.06	1.64	0.13
11.10	1.26	0.08	0.08	13.70	4.08	1.65	0.13
11.15	1.29	0.08	0.09	13.75	4.09	1.66	0.12
11.20	1.31	0.09	0.09	13.80	4.10	1.67	0.12
11.25	1.34	0.10	0.11	13.85	4.11	1.68	0.12
11.30	1.37	0.11	0.11	13.90	4.12	1.69	0.12
11.35	1.40	0.12	0.13	13.95	4.13	1.70	0.12
11.40	1.43	0.13	0.13	14.00	4.15	1.70	0.11
11.45	1.47	0.14	0.14	14.05	4.16	1.71	0.11
11.50	1.50	0.15	0.16	14.10	4.17	1.72	0.11
11.55	1.55	0.16	0.23	14.15	4.18	1.73	0.11
11.60	1.60	0.18	0.25	14.20	4.19	1.74	0.11
11.65	1.65	0.20	0.27	14.25	4.20	1.74	0.10
11.70	1.71	0.22	0.29	14.30	4.21	1.75	0.10
11.75	1.78	0.25	0.40	14.35	4.22	1.76	0.10
11.80	1.86	0.29	0.44	14.40	4.23	1.77	0.10
11.85	1.96	0.33	0.60	14.45	4.24	1.77	0.10
11.90	2.06	0.38	0.69	14.50	4.25	1.78	0.10
11.95	2.24	0.47	1.14	14.55	4.26	1.79	0.09
12.00	2.42	0.56	1.35	14.60	4.27	1.79	0.09
12.05	2.71	0.73	2.20	14.65	4.27	1.80	0.09
12.10	3.01	0.91	**2.37**	14.70	4.28	1.81	0.09
12.15	3.11	0.98	1.11	14.75	4.29	1.81	0.09
12.20	3.21	1.05	0.90	14.80	4.30	1.82	0.09
12.25	3.29	1.10	0.70	14.85	4.31	1.82	0.08
12.30	3.36	1.15	0.67	14.90	4.31	1.83	0.08
12.35	3.42	1.18	0.52	14.95	4.32	1.84	0.08
12.40	3.47	1.22	0.50	15.00	4.33	1.84	0.08
12.45	3.52	1.25	0.49	15.05	4.34	1.85	0.07
12.50	3.57	1.29	0.48	15.10	4.34	1.85	0.07
12.55	3.60	1.31	0.34	15.15	4.35	1.86	0.07
12.60	3.64	1.34	0.32	15.20	4.36	1.86	0.07
12.65	3.67	1.36	0.30	15.25	4.36	1.87	0.07
12.70	3.70	1.38	0.30	15.30	4.37	1.87	0.07
12.75	3.73	1.40	0.28	15.35	4.38	1.88	0.07
12.80	3.76	1.42	0.27	15.40	4.39	1.88	0.07
12.85	3.78	1.44	0.25	15.45	4.39	1.89	0.07
12.90	3.81	1.46	0.25	15.50	4.40	1.89	0.07
12.95	3.83	1.47	0.23	15.55	4.41	1.90	0.07

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.07	18.20	4.68	2.12	0.04
15.65	4.42	1.91	0.07	18.25	4.69	2.12	0.04
15.70	4.42	1.91	0.07	18.30	4.69	2.12	0.04
15.75	4.43	1.92	0.07	18.35	4.70	2.12	0.04
15.80	4.44	1.92	0.07	18.40	4.70	2.13	0.04
15.85	4.44	1.93	0.07	18.45	4.70	2.13	0.04
15.90	4.45	1.93	0.07	18.50	4.71	2.13	0.04
15.95	4.46	1.94	0.07	18.55	4.71	2.14	0.04
16.00	4.46	1.94	0.06	18.60	4.72	2.14	0.04
16.05	4.47	1.95	0.06	18.65	4.72	2.14	0.04
16.10	4.47	1.95	0.06	18.70	4.72	2.15	0.04
16.15	4.48	1.96	0.06	18.75	4.73	2.15	0.04
16.20	4.49	1.96	0.06	18.80	4.73	2.15	0.04
16.25	4.49	1.97	0.06	18.85	4.74	2.16	0.04
16.30	4.50	1.97	0.06	18.90	4.74	2.16	0.04
16.35	4.50	1.98	0.06	18.95	4.74	2.16	0.04
16.40	4.51	1.98	0.06	19.00	4.75	2.16	0.04
16.45	4.52	1.98	0.06	19.05	4.75	2.17	0.04
16.50	4.52	1.99	0.06	19.10	4.76	2.17	0.04
16.55	4.53	1.99	0.06	19.15	4.76	2.17	0.04
16.60	4.53	2.00	0.06	19.20	4.76	2.18	0.04
16.65	4.54	2.00	0.06	19.25	4.77	2.18	0.04
16.70	4.54	2.01	0.06	19.30	4.77	2.18	0.04
16.75	4.55	2.01	0.06	19.35	4.77	2.19	0.04
16.80	4.55	2.01	0.06	19.40	4.78	2.19	0.04
16.85	4.56	2.02	0.06	19.45	4.78	2.19	0.04
16.90	4.57	2.02	0.06	19.50	4.79	2.19	0.04
16.95	4.57	2.03	0.06	19.55	4.79	2.20	0.04
17.00	4.58	2.03	0.05	19.60	4.79	2.20	0.04
17.05	4.58	2.03	0.05	19.65	4.80	2.20	0.04
17.10	4.59	2.04	0.05	19.70	4.80	2.21	0.04
17.15	4.59	2.04	0.05	19.75	4.80	2.21	0.04
17.20	4.60	2.05	0.05	19.80	4.81	2.21	0.04
17.25	4.60	2.05	0.05	19.85	4.81	2.21	0.04
17.30	4.61	2.05	0.05	19.90	4.81	2.22	0.04
17.35	4.61	2.06	0.05	19.95	4.82	2.22	0.04
17.40	4.61	2.06	0.05	20.00	4.82	2.22	0.04
17.45	4.62	2.06	0.05	20.05	4.83	2.23	0.04
17.50	4.62	2.07	0.05	20.10	4.83	2.23	0.04
17.55	4.63	2.07	0.05	20.15	4.83	2.23	0.04
17.60	4.63	2.08	0.05	20.20	4.84	2.23	0.04
17.65	4.64	2.08	0.05	20.25	4.84	2.24	0.04
17.70	4.64	2.08	0.05	20.30	4.84	2.24	0.04
17.75	4.65	2.09	0.05	20.35	4.85	2.24	0.04
17.80	4.65	2.09	0.05	20.40	4.85	2.25	0.04
17.85	4.66	2.09	0.05	20.45	4.85	2.25	0.04
17.90	4.66	2.10	0.05	20.50	4.86	2.25	0.04
17.95	4.66	2.10	0.04	20.55	4.86	2.25	0.04
18.00	4.67	2.10	0.04	20.60	4.86	2.26	0.04
18.05	4.67	2.11	0.04	20.65	4.87	2.26	0.04
18.10	4.68	2.11	0.04	20.70	4.87	2.26	0.04
18.15	4.68	2.11	0.04	20.75	4.87	2.26	0.04

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.04	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.04	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.04	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.04	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.04	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.04	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.04	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.04	23.75	5.06	2.41	0.03
21.20	4.90	2.29	0.04	23.80	5.06	2.41	0.03
21.25	4.91	2.29	0.04	23.85	5.06	2.41	0.03
21.30	4.91	2.29	0.04	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.04	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.04	24.00	**5.07**	**2.42**	0.03
21.45	4.92	2.30	0.04	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.03	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.03	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.03	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.03	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.03	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.03	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.03	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.03	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.03	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.03	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.03	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.03	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.03	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.03	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.03	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.03	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.03	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.03	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.03	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.03	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.03	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.03	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.03	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.03	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.03	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.03	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.03	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.03	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

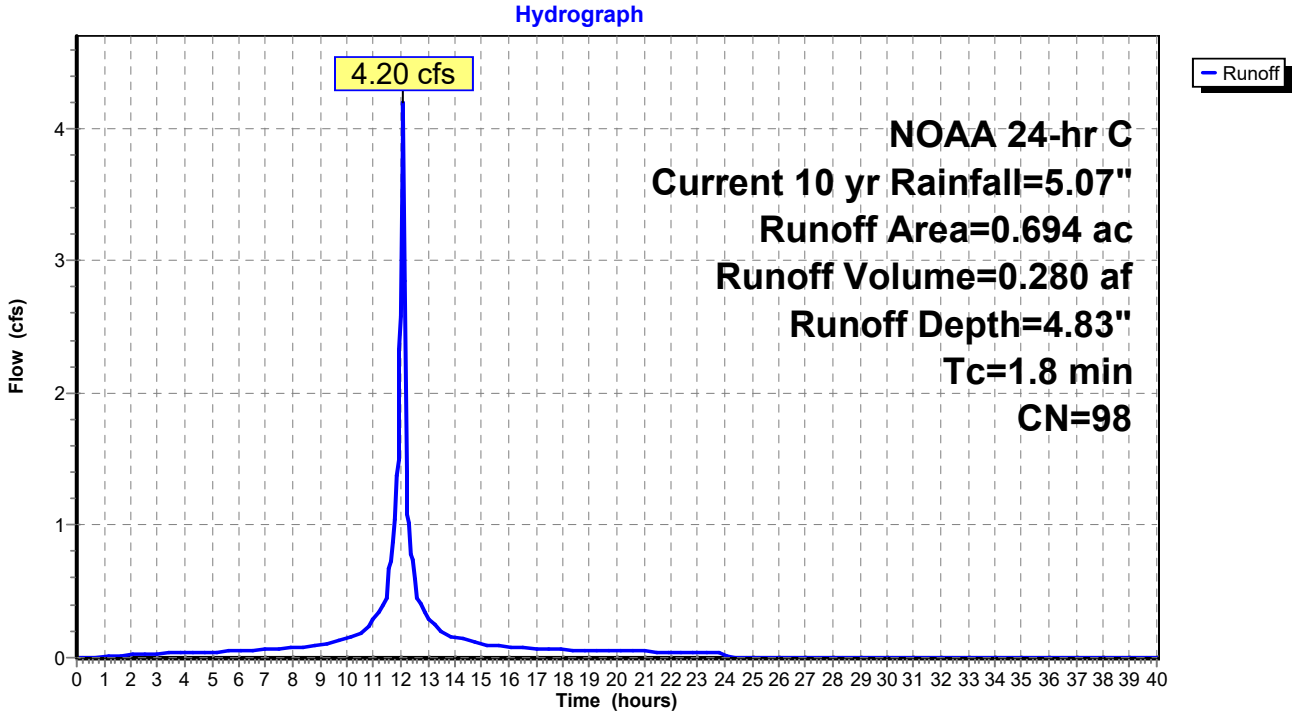
Runoff = 4.20 cfs @ 12.08 hrs, Volume= 0.280 af, Depth= 4.83"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.03
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.04
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.04
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.04
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.04
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.04
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.08
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.08
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.08
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.08
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.08
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.08
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.08
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.08
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.08
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.09
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.09
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.09
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.09
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.09
6.15	0.41	0.24	0.05	8.75	0.71	0.51	0.09
6.20	0.42	0.25	0.05	8.80	0.71	0.51	0.09
6.25	0.42	0.25	0.05	8.85	0.72	0.52	0.09
6.30	0.43	0.25	0.05	8.90	0.73	0.53	0.09
6.35	0.43	0.26	0.06	8.95	0.73	0.53	0.09
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.09
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.10
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.11
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.11
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.11
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.11
6.80	0.47	0.29	0.06	9.40	0.80	0.60	0.12
6.85	0.48	0.30	0.06	9.45	0.81	0.61	0.12
6.90	0.48	0.30	0.06	9.50	0.82	0.62	0.12
6.95	0.49	0.31	0.06	9.55	0.83	0.63	0.13
7.00	0.49	0.31	0.06	9.60	0.84	0.64	0.13
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.13
7.10	0.50	0.32	0.07	9.70	0.86	0.66	0.13
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.14
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.14
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.14
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.14
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.15
7.40	0.54	0.35	0.07	10.00	0.92	0.72	0.15
7.45	0.54	0.36	0.07	10.05	0.94	0.73	0.15
7.50	0.55	0.36	0.07	10.10	0.95	0.74	0.15
7.55	0.55	0.37	0.07	10.15	0.96	0.75	0.16
7.60	0.56	0.37	0.07	10.20	0.97	0.76	0.16
7.65	0.57	0.38	0.07	10.25	0.98	0.77	0.16
7.70	0.57	0.38	0.07	10.30	0.99	0.79	0.16
7.75	0.58	0.39	0.08	10.35	1.01	0.80	0.17

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.17	13.00	3.85	3.62	0.32
10.45	1.03	0.82	0.17	13.05	3.87	3.64	0.29
10.50	1.04	0.83	0.18	13.10	3.89	3.66	0.28
10.55	1.06	0.85	0.19	13.15	3.91	3.68	0.26
10.60	1.07	0.86	0.20	13.20	3.93	3.70	0.26
10.65	1.09	0.88	0.21	13.25	3.95	3.71	0.24
10.70	1.10	0.89	0.22	13.30	3.97	3.73	0.24
10.75	1.12	0.91	0.23	13.35	3.98	3.75	0.22
10.80	1.14	0.93	0.24	13.40	4.00	3.76	0.22
10.85	1.16	0.94	0.25	13.45	4.01	3.78	0.20
10.90	1.18	0.96	0.26	13.50	4.03	3.79	0.20
10.95	1.20	0.98	0.27	13.55	4.04	3.80	0.18
11.00	1.22	1.00	0.28	13.60	4.05	3.82	0.18
11.05	1.24	1.02	0.31	13.65	4.06	3.83	0.17
11.10	1.26	1.05	0.32	13.70	4.08	3.84	0.17
11.15	1.29	1.07	0.35	13.75	4.09	3.85	0.17
11.20	1.31	1.10	0.35	13.80	4.10	3.86	0.17
11.25	1.34	1.12	0.38	13.85	4.11	3.88	0.16
11.30	1.37	1.15	0.39	13.90	4.12	3.89	0.16
11.35	1.40	1.18	0.42	13.95	4.13	3.90	0.16
11.40	1.43	1.21	0.43	14.00	4.15	3.91	0.16
11.45	1.47	1.25	0.45	14.05	4.16	3.92	0.15
11.50	1.50	1.28	0.47	14.10	4.17	3.93	0.15
11.55	1.55	1.33	0.68	14.15	4.18	3.94	0.15
11.60	1.60	1.38	0.71	14.20	4.19	3.95	0.15
11.65	1.65	1.43	0.74	14.25	4.20	3.96	0.14
11.70	1.71	1.49	0.76	14.30	4.21	3.97	0.14
11.75	1.78	1.56	0.99	14.35	4.22	3.98	0.14
11.80	1.86	1.63	1.05	14.40	4.23	3.99	0.14
11.85	1.96	1.73	1.37	14.45	4.24	4.00	0.13
11.90	2.06	1.84	1.50	14.50	4.25	4.01	0.13
11.95	2.24	2.01	2.33	14.55	4.26	4.02	0.13
12.00	2.42	2.19	2.58	14.60	4.27	4.03	0.13
12.05	2.71	2.48	3.91	14.65	4.27	4.04	0.12
12.10	3.01	2.78	**3.93**	14.70	4.28	4.05	0.12
12.15	3.11	2.88	1.77	14.75	4.29	4.06	0.12
12.20	3.21	2.98	1.41	14.80	4.30	4.06	0.12
12.25	3.29	3.05	1.08	14.85	4.31	4.07	0.11
12.30	3.36	3.13	1.01	14.90	4.31	4.08	0.11
12.35	3.42	3.18	0.79	14.95	4.32	4.09	0.11
12.40	3.47	3.24	0.75	15.00	4.33	4.09	0.10
12.45	3.52	3.29	0.72	15.05	4.34	4.10	0.10
12.50	3.57	3.34	0.70	15.10	4.34	4.11	0.10
12.55	3.60	3.37	0.49	15.15	4.35	4.12	0.10
12.60	3.64	3.40	0.46	15.20	4.36	4.12	0.10
12.65	3.67	3.43	0.44	15.25	4.36	4.13	0.10
12.70	3.70	3.47	0.43	15.30	4.37	4.14	0.10
12.75	3.73	3.49	0.40	15.35	4.38	4.14	0.10
12.80	3.76	3.52	0.39	15.40	4.39	4.15	0.10
12.85	3.78	3.55	0.36	15.45	4.39	4.16	0.09
12.90	3.81	3.57	0.35	15.50	4.40	4.16	0.09
12.95	3.83	3.60	0.32	15.55	4.41	4.17	0.09

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.09	18.20	4.68	4.45	0.06
15.65	4.42	4.18	0.09	18.25	4.69	4.45	0.06
15.70	4.42	4.19	0.09	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.09	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.09	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.09	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.09	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.09	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.09	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.09	18.65	4.72	4.48	0.05
16.10	4.47	4.24	0.09	18.70	4.72	4.49	0.05
16.15	4.48	4.24	0.08	18.75	4.73	4.49	0.05
16.20	4.49	4.25	0.08	18.80	4.73	4.50	0.05
16.25	4.49	4.26	0.08	18.85	4.74	4.50	0.05
16.30	4.50	4.26	0.08	18.90	4.74	4.50	0.05
16.35	4.50	4.27	0.08	18.95	4.74	4.51	0.05
16.40	4.51	4.27	0.08	19.00	4.75	4.51	0.05
16.45	4.52	4.28	0.08	19.05	4.75	4.51	0.05
16.50	4.52	4.29	0.08	19.10	4.76	4.52	0.05
16.55	4.53	4.29	0.08	19.15	4.76	4.52	0.05
16.60	4.53	4.30	0.08	19.20	4.76	4.53	0.05
16.65	4.54	4.30	0.08	19.25	4.77	4.53	0.05
16.70	4.54	4.31	0.08	19.30	4.77	4.53	0.05
16.75	4.55	4.31	0.08	19.35	4.77	4.54	0.05
16.80	4.55	4.32	0.08	19.40	4.78	4.54	0.05
16.85	4.56	4.32	0.07	19.45	4.78	4.55	0.05
16.90	4.57	4.33	0.07	19.50	4.79	4.55	0.05
16.95	4.57	4.33	0.07	19.55	4.79	4.55	0.05
17.00	4.58	4.34	0.07	19.60	4.79	4.56	0.05
17.05	4.58	4.34	0.07	19.65	4.80	4.56	0.05
17.10	4.59	4.35	0.07	19.70	4.80	4.56	0.05
17.15	4.59	4.35	0.07	19.75	4.80	4.57	0.05
17.20	4.60	4.36	0.07	19.80	4.81	4.57	0.05
17.25	4.60	4.36	0.07	19.85	4.81	4.57	0.05
17.30	4.61	4.37	0.07	19.90	4.81	4.58	0.05
17.35	4.61	4.37	0.07	19.95	4.82	4.58	0.05
17.40	4.61	4.38	0.07	20.00	4.82	4.59	0.05
17.45	4.62	4.38	0.07	20.05	4.83	4.59	0.05
17.50	4.62	4.39	0.07	20.10	4.83	4.59	0.05
17.55	4.63	4.39	0.06	20.15	4.83	4.60	0.05
17.60	4.63	4.40	0.06	20.20	4.84	4.60	0.05
17.65	4.64	4.40	0.06	20.25	4.84	4.60	0.05
17.70	4.64	4.41	0.06	20.30	4.84	4.61	0.05
17.75	4.65	4.41	0.06	20.35	4.85	4.61	0.05
17.80	4.65	4.42	0.06	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.06	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.06	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.06	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.06	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.06	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.06	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.06	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.04
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.04	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.04	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.04	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.04	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.04	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.04	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.04	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.04	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.04	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.04	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.04	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.04	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.04	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.04	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.04	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.04	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.04	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.04	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.04	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.04	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.04	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.04	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.04	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.04	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.04	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.04	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.04	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.04	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.04	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.04	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

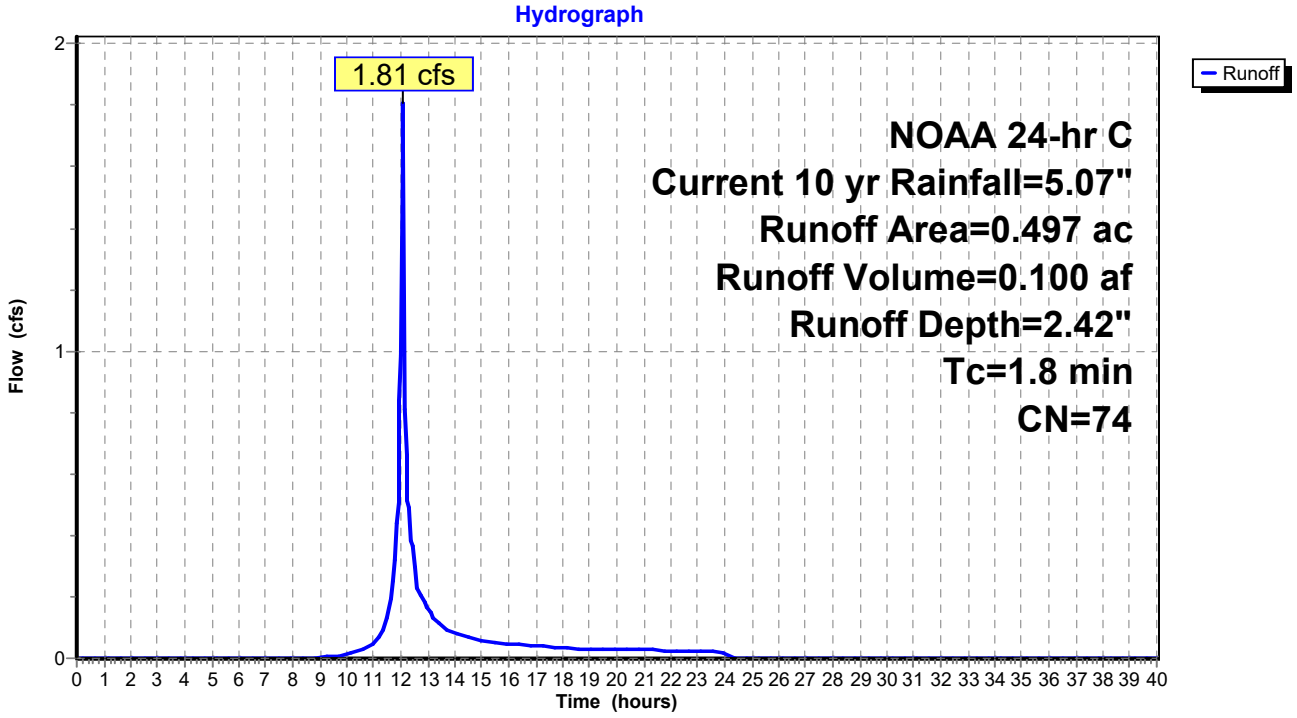
Runoff = 1.81 cfs @ 12.08 hrs, Volume= 0.100 af, Depth= 2.42"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.01
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.01
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.01
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.01
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.01
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.01
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.02
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.02

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.02	13.00	3.85	1.49	0.16
10.45	1.03	0.03	0.02	13.05	3.87	1.50	0.15
10.50	1.04	0.03	0.02	13.10	3.89	1.52	0.15
10.55	1.06	0.03	0.02	13.15	3.91	1.53	0.14
10.60	1.07	0.04	0.03	13.20	3.93	1.55	0.14
10.65	1.09	0.04	0.03	13.25	3.95	1.56	0.13
10.70	1.10	0.04	0.03	13.30	3.97	1.57	0.13
10.75	1.12	0.04	0.03	13.35	3.98	1.58	0.12
10.80	1.14	0.05	0.04	13.40	4.00	1.59	0.11
10.85	1.16	0.05	0.04	13.45	4.01	1.60	0.11
10.90	1.18	0.06	0.04	13.50	4.03	1.61	0.10
10.95	1.20	0.06	0.05	13.55	4.04	1.62	0.10
11.00	1.22	0.07	0.05	13.60	4.05	1.63	0.09
11.05	1.24	0.07	0.05	13.65	4.06	1.64	0.09
11.10	1.26	0.08	0.06	13.70	4.08	1.65	0.09
11.15	1.29	0.08	0.07	13.75	4.09	1.66	0.09
11.20	1.31	0.09	0.07	13.80	4.10	1.67	0.09
11.25	1.34	0.10	0.08	13.85	4.11	1.68	0.09
11.30	1.37	0.11	0.08	13.90	4.12	1.69	0.09
11.35	1.40	0.12	0.09	13.95	4.13	1.70	0.08
11.40	1.43	0.13	0.10	14.00	4.15	1.70	0.08
11.45	1.47	0.14	0.10	14.05	4.16	1.71	0.08
11.50	1.50	0.15	0.11	14.10	4.17	1.72	0.08
11.55	1.55	0.16	0.17	14.15	4.18	1.73	0.08
11.60	1.60	0.18	0.18	14.20	4.19	1.74	0.08
11.65	1.65	0.20	0.20	14.25	4.20	1.74	0.08
11.70	1.71	0.22	0.22	14.30	4.21	1.75	0.08
11.75	1.78	0.25	0.29	14.35	4.22	1.76	0.07
11.80	1.86	0.29	0.32	14.40	4.23	1.77	0.07
11.85	1.96	0.33	0.44	14.45	4.24	1.77	0.07
11.90	2.06	0.38	0.51	14.50	4.25	1.78	0.07
11.95	2.24	0.47	0.84	14.55	4.26	1.79	0.07
12.00	2.42	0.56	0.99	14.60	4.27	1.79	0.07
12.05	2.71	0.73	1.61	14.65	4.27	1.80	0.07
12.10	3.01	0.91	**1.73**	14.70	4.28	1.81	0.06
12.15	3.11	0.98	0.81	14.75	4.29	1.81	0.06
12.20	3.21	1.05	0.66	14.80	4.30	1.82	0.06
12.25	3.29	1.10	0.52	14.85	4.31	1.82	0.06
12.30	3.36	1.15	0.49	14.90	4.31	1.83	0.06
12.35	3.42	1.18	0.38	14.95	4.32	1.84	0.06
12.40	3.47	1.22	0.37	15.00	4.33	1.84	0.06
12.45	3.52	1.25	0.36	15.05	4.34	1.85	0.05
12.50	3.57	1.29	0.35	15.10	4.34	1.85	0.05
12.55	3.60	1.31	0.25	15.15	4.35	1.86	0.05
12.60	3.64	1.34	0.23	15.20	4.36	1.86	0.05
12.65	3.67	1.36	0.22	15.25	4.36	1.87	0.05
12.70	3.70	1.38	0.22	15.30	4.37	1.87	0.05
12.75	3.73	1.40	0.20	15.35	4.38	1.88	0.05
12.80	3.76	1.42	0.20	15.40	4.39	1.88	0.05
12.85	3.78	1.44	0.19	15.45	4.39	1.89	0.05
12.90	3.81	1.46	0.18	15.50	4.40	1.89	0.05
12.95	3.83	1.47	0.17	15.55	4.41	1.90	0.05

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.05	18.20	4.68	2.12	0.03
15.65	4.42	1.91	0.05	18.25	4.69	2.12	0.03
15.70	4.42	1.91	0.05	18.30	4.69	2.12	0.03
15.75	4.43	1.92	0.05	18.35	4.70	2.12	0.03
15.80	4.44	1.92	0.05	18.40	4.70	2.13	0.03
15.85	4.44	1.93	0.05	18.45	4.70	2.13	0.03
15.90	4.45	1.93	0.05	18.50	4.71	2.13	0.03
15.95	4.46	1.94	0.05	18.55	4.71	2.14	0.03
16.00	4.46	1.94	0.05	18.60	4.72	2.14	0.03
16.05	4.47	1.95	0.05	18.65	4.72	2.14	0.03
16.10	4.47	1.95	0.05	18.70	4.72	2.15	0.03
16.15	4.48	1.96	0.05	18.75	4.73	2.15	0.03
16.20	4.49	1.96	0.05	18.80	4.73	2.15	0.03
16.25	4.49	1.97	0.05	18.85	4.74	2.16	0.03
16.30	4.50	1.97	0.05	18.90	4.74	2.16	0.03
16.35	4.50	1.98	0.04	18.95	4.74	2.16	0.03
16.40	4.51	1.98	0.04	19.00	4.75	2.16	0.03
16.45	4.52	1.98	0.04	19.05	4.75	2.17	0.03
16.50	4.52	1.99	0.04	19.10	4.76	2.17	0.03
16.55	4.53	1.99	0.04	19.15	4.76	2.17	0.03
16.60	4.53	2.00	0.04	19.20	4.76	2.18	0.03
16.65	4.54	2.00	0.04	19.25	4.77	2.18	0.03
16.70	4.54	2.01	0.04	19.30	4.77	2.18	0.03
16.75	4.55	2.01	0.04	19.35	4.77	2.19	0.03
16.80	4.55	2.01	0.04	19.40	4.78	2.19	0.03
16.85	4.56	2.02	0.04	19.45	4.78	2.19	0.03
16.90	4.57	2.02	0.04	19.50	4.79	2.19	0.03
16.95	4.57	2.03	0.04	19.55	4.79	2.20	0.03
17.00	4.58	2.03	0.04	19.60	4.79	2.20	0.03
17.05	4.58	2.03	0.04	19.65	4.80	2.20	0.03
17.10	4.59	2.04	0.04	19.70	4.80	2.21	0.03
17.15	4.59	2.04	0.04	19.75	4.80	2.21	0.03
17.20	4.60	2.05	0.04	19.80	4.81	2.21	0.03
17.25	4.60	2.05	0.04	19.85	4.81	2.21	0.03
17.30	4.61	2.05	0.04	19.90	4.81	2.22	0.03
17.35	4.61	2.06	0.04	19.95	4.82	2.22	0.03
17.40	4.61	2.06	0.04	20.00	4.82	2.22	0.03
17.45	4.62	2.06	0.04	20.05	4.83	2.23	0.03
17.50	4.62	2.07	0.04	20.10	4.83	2.23	0.03
17.55	4.63	2.07	0.04	20.15	4.83	2.23	0.03
17.60	4.63	2.08	0.04	20.20	4.84	2.23	0.03
17.65	4.64	2.08	0.04	20.25	4.84	2.24	0.03
17.70	4.64	2.08	0.03	20.30	4.84	2.24	0.03
17.75	4.65	2.09	0.03	20.35	4.85	2.24	0.03
17.80	4.65	2.09	0.03	20.40	4.85	2.25	0.03
17.85	4.66	2.09	0.03	20.45	4.85	2.25	0.03
17.90	4.66	2.10	0.03	20.50	4.86	2.25	0.03
17.95	4.66	2.10	0.03	20.55	4.86	2.25	0.03
18.00	4.67	2.10	0.03	20.60	4.86	2.26	0.03
18.05	4.67	2.11	0.03	20.65	4.87	2.26	0.03
18.10	4.68	2.11	0.03	20.70	4.87	2.26	0.03
18.15	4.68	2.11	0.03	20.75	4.87	2.26	0.03

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.03	23.40	5.04	2.39	0.02
20.85	4.88	2.27	0.03	23.45	5.04	2.40	0.02
20.90	4.88	2.27	0.03	23.50	5.04	2.40	0.02
20.95	4.89	2.28	0.03	23.55	5.04	2.40	0.02
21.00	4.89	2.28	0.03	23.60	5.05	2.40	0.02
21.05	4.89	2.28	0.03	23.65	5.05	2.40	0.02
21.10	4.90	2.28	0.03	23.70	5.05	2.41	0.02
21.15	4.90	2.29	0.03	23.75	5.06	2.41	0.02
21.20	4.90	2.29	0.03	23.80	5.06	2.41	0.02
21.25	4.91	2.29	0.03	23.85	5.06	2.41	0.02
21.30	4.91	2.29	0.03	23.90	5.06	2.42	0.02
21.35	4.91	2.30	0.03	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.03	24.00	**5.07**	**2.42**	0.02
21.45	4.92	2.30	0.03	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.03	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.03	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.03	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.03	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.03	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.03	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.03	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.02	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.02	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.02	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.02	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.02	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.02	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.02	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.02	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.02	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.02	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.02	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.02	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.02	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.02	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.02	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.02	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.02	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.02	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.02	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.02	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.02	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.02	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.02	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.02	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.02	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.02	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.02	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.02	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.02	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.02	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.02	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

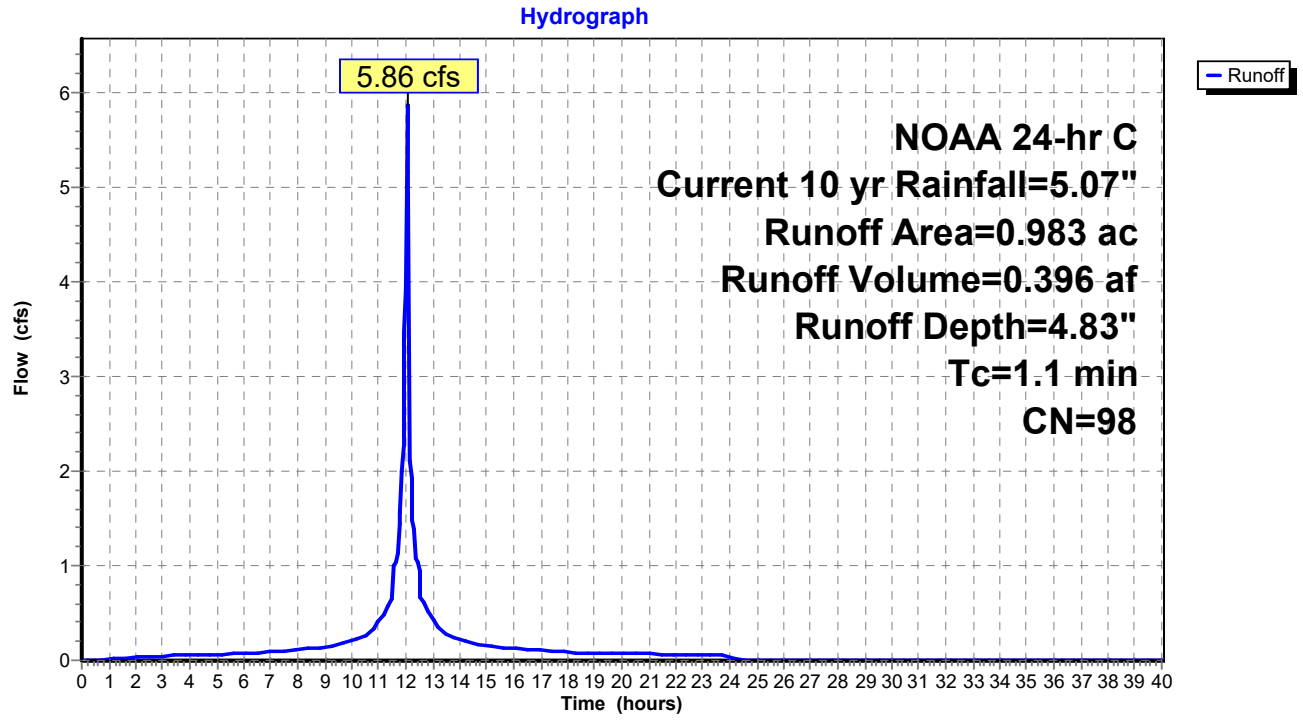
Runoff = 5.86 cfs @ 12.06 hrs, Volume= 0.396 af, Depth= 4.83"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.04
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.04
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.04
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.04
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.04
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.04
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.04
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.05
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.05
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.05
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.05
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.05
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.05
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.05
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.05
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.05
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.05
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.05
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.05
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.05
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.05
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.05
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.05
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.05
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.06
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.06
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.06
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.06
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.06
1.85	0.11	0.02	0.03	4.45	0.28	0.13	0.06
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.06
1.95	0.11	0.02	0.03	4.55	0.29	0.14	0.06
2.00	0.11	0.02	0.03	4.60	0.29	0.14	0.06
2.05	0.12	0.02	0.03	4.65	0.30	0.14	0.06
2.10	0.12	0.02	0.03	4.70	0.30	0.14	0.06
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.06
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.06
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.06
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.06
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.06
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.06
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.06
2.50	0.15	0.04	0.04	5.10	0.33	0.17	0.06
2.55	0.15	0.04	0.04	5.15	0.33	0.17	0.06

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.06	7.80	0.58	0.39	0.11
5.25	0.34	0.18	0.06	7.85	0.59	0.40	0.11
5.30	0.35	0.18	0.06	7.90	0.60	0.41	0.11
5.35	0.35	0.19	0.07	7.95	0.60	0.41	0.11
5.40	0.35	0.19	0.07	8.00	0.61	0.42	0.11
5.45	0.36	0.19	0.07	8.05	0.61	0.42	0.11
5.50	0.36	0.20	0.07	8.10	0.62	0.43	0.11
5.55	0.37	0.20	0.07	8.15	0.63	0.43	0.12
5.60	0.37	0.20	0.07	8.20	0.63	0.44	0.12
5.65	0.37	0.21	0.07	8.25	0.64	0.45	0.12
5.70	0.38	0.21	0.07	8.30	0.65	0.45	0.12
5.75	0.38	0.21	0.07	8.35	0.65	0.46	0.12
5.80	0.39	0.22	0.07	8.40	0.66	0.46	0.12
5.85	0.39	0.22	0.07	8.45	0.66	0.47	0.12
5.90	0.39	0.22	0.07	8.50	0.67	0.48	0.12
5.95	0.40	0.23	0.07	8.55	0.68	0.48	0.12
6.00	0.40	0.23	0.07	8.60	0.68	0.49	0.13
6.05	0.41	0.23	0.07	8.65	0.69	0.50	0.13
6.10	0.41	0.24	0.07	8.70	0.70	0.50	0.13
6.15	0.41	0.24	0.07	8.75	0.71	0.51	0.13
6.20	0.42	0.25	0.07	8.80	0.71	0.51	0.13
6.25	0.42	0.25	0.08	8.85	0.72	0.52	0.13
6.30	0.43	0.25	0.08	8.90	0.73	0.53	0.13
6.35	0.43	0.26	0.08	8.95	0.73	0.53	0.13
6.40	0.44	0.26	0.08	9.00	0.74	0.54	0.14
6.45	0.44	0.27	0.08	9.05	0.75	0.55	0.14
6.50	0.45	0.27	0.08	9.10	0.76	0.56	0.14
6.55	0.45	0.27	0.08	9.15	0.76	0.56	0.15
6.60	0.46	0.28	0.08	9.20	0.77	0.57	0.15
6.65	0.46	0.28	0.08	9.25	0.78	0.58	0.16
6.70	0.46	0.29	0.09	9.30	0.79	0.59	0.16
6.75	0.47	0.29	0.09	9.35	0.80	0.59	0.16
6.80	0.47	0.29	0.09	9.40	0.80	0.60	0.16
6.85	0.48	0.30	0.09	9.45	0.81	0.61	0.17
6.90	0.48	0.30	0.09	9.50	0.82	0.62	0.17
6.95	0.49	0.31	0.09	9.55	0.83	0.63	0.18
7.00	0.49	0.31	0.09	9.60	0.84	0.64	0.18
7.05	0.50	0.32	0.09	9.65	0.85	0.65	0.19
7.10	0.50	0.32	0.09	9.70	0.86	0.66	0.19
7.15	0.51	0.33	0.10	9.75	0.87	0.67	0.19
7.20	0.52	0.33	0.10	9.80	0.88	0.68	0.19
7.25	0.52	0.34	0.10	9.85	0.89	0.69	0.20
7.30	0.53	0.34	0.10	9.90	0.90	0.70	0.20
7.35	0.53	0.35	0.10	9.95	0.91	0.71	0.21
7.40	0.54	0.35	0.10	10.00	0.92	0.72	0.21
7.45	0.54	0.36	0.10	10.05	0.94	0.73	0.22
7.50	0.55	0.36	0.10	10.10	0.95	0.74	0.22
7.55	0.55	0.37	0.10	10.15	0.96	0.75	0.22
7.60	0.56	0.37	0.10	10.20	0.97	0.76	0.23
7.65	0.57	0.38	0.11	10.25	0.98	0.77	0.23
7.70	0.57	0.38	0.11	10.30	0.99	0.79	0.23
7.75	0.58	0.39	0.11	10.35	1.01	0.80	0.24

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.24	13.00	3.85	3.62	0.44
10.45	1.03	0.82	0.25	13.05	3.87	3.64	0.40
10.50	1.04	0.83	0.25	13.10	3.89	3.66	0.39
10.55	1.06	0.85	0.27	13.15	3.91	3.68	0.37
10.60	1.07	0.86	0.28	13.20	3.93	3.70	0.36
10.65	1.09	0.88	0.30	13.25	3.95	3.71	0.34
10.70	1.10	0.89	0.31	13.30	3.97	3.73	0.33
10.75	1.12	0.91	0.33	13.35	3.98	3.75	0.31
10.80	1.14	0.93	0.34	13.40	4.00	3.76	0.31
10.85	1.16	0.94	0.36	13.45	4.01	3.78	0.28
10.90	1.18	0.96	0.37	13.50	4.03	3.79	0.28
10.95	1.20	0.98	0.39	13.55	4.04	3.80	0.25
11.00	1.22	1.00	0.40	13.60	4.05	3.82	0.25
11.05	1.24	1.02	0.44	13.65	4.06	3.83	0.25
11.10	1.26	1.05	0.45	13.70	4.08	3.84	0.24
11.15	1.29	1.07	0.50	13.75	4.09	3.85	0.24
11.20	1.31	1.10	0.51	13.80	4.10	3.86	0.24
11.25	1.34	1.12	0.55	13.85	4.11	3.88	0.23
11.30	1.37	1.15	0.56	13.90	4.12	3.89	0.23
11.35	1.40	1.18	0.60	13.95	4.13	3.90	0.22
11.40	1.43	1.21	0.61	14.00	4.15	3.91	0.22
11.45	1.47	1.25	0.64	14.05	4.16	3.92	0.22
11.50	1.50	1.28	0.71	14.10	4.17	3.93	0.21
11.55	1.55	1.33	0.99	14.15	4.18	3.94	0.21
11.60	1.60	1.38	1.01	14.20	4.19	3.95	0.21
11.65	1.65	1.43	1.05	14.25	4.20	3.96	0.20
11.70	1.71	1.49	1.13	14.30	4.21	3.97	0.20
11.75	1.78	1.56	1.44	14.35	4.22	3.98	0.19
11.80	1.86	1.63	1.55	14.40	4.23	3.99	0.19
11.85	1.96	1.73	2.00	14.45	4.24	4.00	0.19
11.90	2.06	1.84	2.28	14.50	4.25	4.01	0.18
11.95	2.24	2.01	3.46	14.55	4.26	4.02	0.18
12.00	2.42	2.19	3.91	14.60	4.27	4.03	0.18
12.05	2.71	2.48	**5.79**	14.65	4.27	4.04	0.17
12.10	3.01	2.78	5.15	14.70	4.28	4.05	0.17
12.15	3.11	2.88	2.11	14.75	4.29	4.06	0.16
12.20	3.21	2.98	1.93	14.80	4.30	4.06	0.16
12.25	3.29	3.05	1.47	14.85	4.31	4.07	0.16
12.30	3.36	3.13	1.39	14.90	4.31	4.08	0.15
12.35	3.42	3.18	1.07	14.95	4.32	4.09	0.15
12.40	3.47	3.24	1.06	15.00	4.33	4.09	0.15
12.45	3.52	3.29	1.01	15.05	4.34	4.10	0.14
12.50	3.57	3.34	0.95	15.10	4.34	4.11	0.14
12.55	3.60	3.37	0.66	15.15	4.35	4.12	0.14
12.60	3.64	3.40	0.65	15.20	4.36	4.12	0.14
12.65	3.67	3.43	0.61	15.25	4.36	4.13	0.14
12.70	3.70	3.47	0.60	15.30	4.37	4.14	0.14
12.75	3.73	3.49	0.56	15.35	4.38	4.14	0.13
12.80	3.76	3.52	0.55	15.40	4.39	4.15	0.13
12.85	3.78	3.55	0.51	15.45	4.39	4.16	0.13
12.90	3.81	3.57	0.50	15.50	4.40	4.16	0.13
12.95	3.83	3.60	0.45	15.55	4.41	4.17	0.13

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.13	18.20	4.68	4.45	0.08
15.65	4.42	4.18	0.13	18.25	4.69	4.45	0.08
15.70	4.42	4.19	0.13	18.30	4.69	4.46	0.08
15.75	4.43	4.20	0.13	18.35	4.70	4.46	0.08
15.80	4.44	4.20	0.13	18.40	4.70	4.46	0.08
15.85	4.44	4.21	0.12	18.45	4.70	4.47	0.08
15.90	4.45	4.21	0.12	18.50	4.71	4.47	0.08
15.95	4.46	4.22	0.12	18.55	4.71	4.48	0.08
16.00	4.46	4.23	0.12	18.60	4.72	4.48	0.08
16.05	4.47	4.23	0.12	18.65	4.72	4.48	0.08
16.10	4.47	4.24	0.12	18.70	4.72	4.49	0.08
16.15	4.48	4.24	0.12	18.75	4.73	4.49	0.08
16.20	4.49	4.25	0.12	18.80	4.73	4.50	0.08
16.25	4.49	4.26	0.12	18.85	4.74	4.50	0.08
16.30	4.50	4.26	0.12	18.90	4.74	4.50	0.08
16.35	4.50	4.27	0.11	18.95	4.74	4.51	0.08
16.40	4.51	4.27	0.11	19.00	4.75	4.51	0.08
16.45	4.52	4.28	0.11	19.05	4.75	4.51	0.08
16.50	4.52	4.29	0.11	19.10	4.76	4.52	0.08
16.55	4.53	4.29	0.11	19.15	4.76	4.52	0.08
16.60	4.53	4.30	0.11	19.20	4.76	4.53	0.08
16.65	4.54	4.30	0.11	19.25	4.77	4.53	0.07
16.70	4.54	4.31	0.11	19.30	4.77	4.53	0.07
16.75	4.55	4.31	0.11	19.35	4.77	4.54	0.07
16.80	4.55	4.32	0.11	19.40	4.78	4.54	0.07
16.85	4.56	4.32	0.10	19.45	4.78	4.55	0.07
16.90	4.57	4.33	0.10	19.50	4.79	4.55	0.07
16.95	4.57	4.33	0.10	19.55	4.79	4.55	0.07
17.00	4.58	4.34	0.10	19.60	4.79	4.56	0.07
17.05	4.58	4.34	0.10	19.65	4.80	4.56	0.07
17.10	4.59	4.35	0.10	19.70	4.80	4.56	0.07
17.15	4.59	4.35	0.10	19.75	4.80	4.57	0.07
17.20	4.60	4.36	0.10	19.80	4.81	4.57	0.07
17.25	4.60	4.36	0.10	19.85	4.81	4.57	0.07
17.30	4.61	4.37	0.10	19.90	4.81	4.58	0.07
17.35	4.61	4.37	0.09	19.95	4.82	4.58	0.07
17.40	4.61	4.38	0.09	20.00	4.82	4.59	0.07
17.45	4.62	4.38	0.09	20.05	4.83	4.59	0.07
17.50	4.62	4.39	0.09	20.10	4.83	4.59	0.07
17.55	4.63	4.39	0.09	20.15	4.83	4.60	0.07
17.60	4.63	4.40	0.09	20.20	4.84	4.60	0.07
17.65	4.64	4.40	0.09	20.25	4.84	4.60	0.07
17.70	4.64	4.41	0.09	20.30	4.84	4.61	0.07
17.75	4.65	4.41	0.09	20.35	4.85	4.61	0.07
17.80	4.65	4.42	0.09	20.40	4.85	4.61	0.07
17.85	4.66	4.42	0.08	20.45	4.85	4.62	0.07
17.90	4.66	4.42	0.08	20.50	4.86	4.62	0.07
17.95	4.66	4.43	0.08	20.55	4.86	4.62	0.07
18.00	4.67	4.43	0.08	20.60	4.86	4.63	0.07
18.05	4.67	4.44	0.08	20.65	4.87	4.63	0.07
18.10	4.68	4.44	0.08	20.70	4.87	4.63	0.07
18.15	4.68	4.44	0.08	20.75	4.87	4.64	0.07

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.07	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.07	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.07	23.50	5.04	4.81	0.05
20.95	4.89	4.65	0.07	23.55	5.04	4.81	0.05
21.00	4.89	4.65	0.07	23.60	5.05	4.81	0.05
21.05	4.89	4.66	0.07	23.65	5.05	4.81	0.05
21.10	4.90	4.66	0.07	23.70	5.05	4.82	0.05
21.15	4.90	4.66	0.07	23.75	5.06	4.82	0.05
21.20	4.90	4.67	0.07	23.80	5.06	4.82	0.05
21.25	4.91	4.67	0.07	23.85	5.06	4.82	0.05
21.30	4.91	4.67	0.07	23.90	5.06	4.83	0.05
21.35	4.91	4.68	0.06	23.95	5.07	4.83	0.06
21.40	4.92	4.68	0.06	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.06	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.06	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.06	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.06	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.06	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.06	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.06	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.06	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.06	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.06	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.06	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.06	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.06	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.06	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.06	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.06	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.06	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.06	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.06	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.06	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.06	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.06	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.06	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.06	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.06	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.06	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.06	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.06	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.06	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.06	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.06	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.06	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.06	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.06	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.06	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.06	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

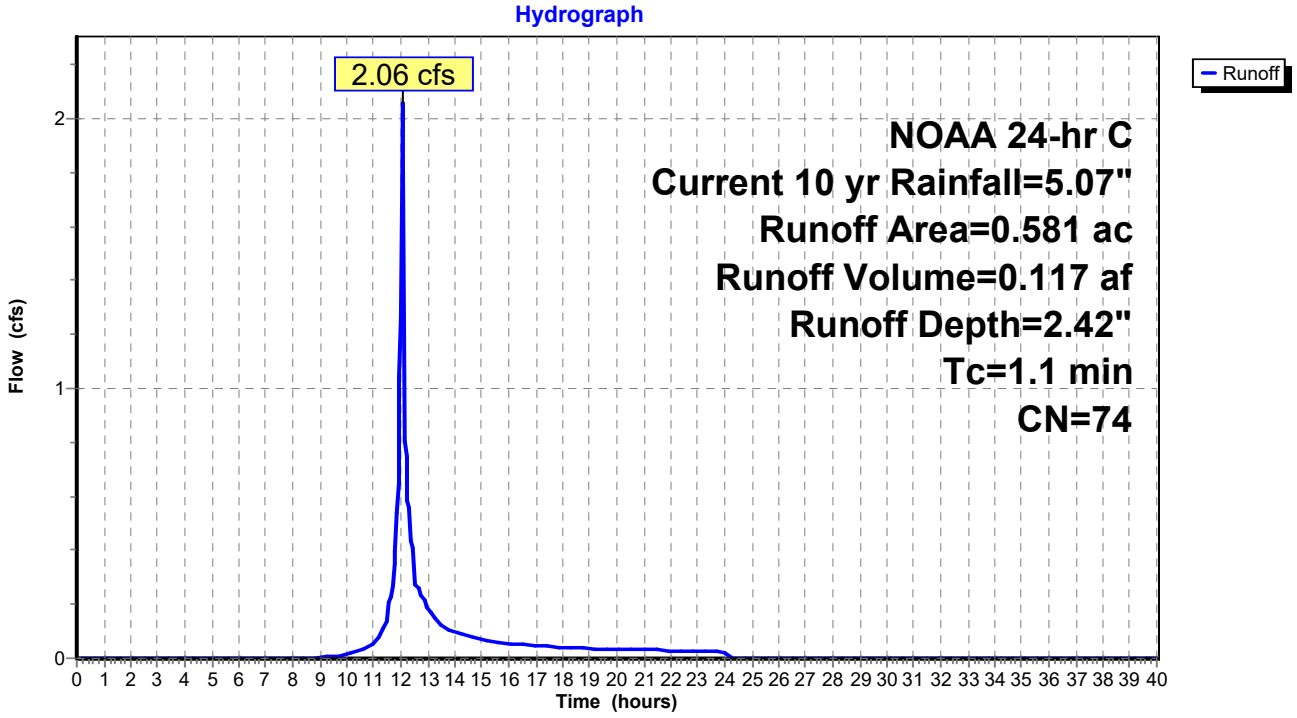
Runoff = 2.06 cfs @ 12.07 hrs, Volume= 0.117 af, Depth= 2.42"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.01
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.01
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.01
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.02
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.02

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.02	13.00	3.85	1.49	0.19
10.45	1.03	0.03	0.02	13.05	3.87	1.50	0.17
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.17
10.55	1.06	0.03	0.03	13.15	3.91	1.53	0.16
10.60	1.07	0.04	0.03	13.20	3.93	1.55	0.16
10.65	1.09	0.04	0.03	13.25	3.95	1.56	0.15
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.14
10.75	1.12	0.04	0.04	13.35	3.98	1.58	0.14
10.80	1.14	0.05	0.04	13.40	4.00	1.59	0.13
10.85	1.16	0.05	0.05	13.45	4.01	1.60	0.12
10.90	1.18	0.06	0.05	13.50	4.03	1.61	0.12
10.95	1.20	0.06	0.05	13.55	4.04	1.62	0.11
11.00	1.22	0.07	0.06	13.60	4.05	1.63	0.11
11.05	1.24	0.07	0.07	13.65	4.06	1.64	0.11
11.10	1.26	0.08	0.07	13.70	4.08	1.65	0.11
11.15	1.29	0.08	0.08	13.75	4.09	1.66	0.10
11.20	1.31	0.09	0.08	13.80	4.10	1.67	0.10
11.25	1.34	0.10	0.09	13.85	4.11	1.68	0.10
11.30	1.37	0.11	0.10	13.90	4.12	1.69	0.10
11.35	1.40	0.12	0.11	13.95	4.13	1.70	0.10
11.40	1.43	0.13	0.11	14.00	4.15	1.70	0.10
11.45	1.47	0.14	0.12	14.05	4.16	1.71	0.10
11.50	1.50	0.15	0.14	14.10	4.17	1.72	0.09
11.55	1.55	0.16	0.21	14.15	4.18	1.73	0.09
11.60	1.60	0.18	0.22	14.20	4.19	1.74	0.09
11.65	1.65	0.20	0.24	14.25	4.20	1.74	0.09
11.70	1.71	0.22	0.26	14.30	4.21	1.75	0.09
11.75	1.78	0.25	0.35	14.35	4.22	1.76	0.09
11.80	1.86	0.29	0.40	14.40	4.23	1.77	0.09
11.85	1.96	0.33	0.54	14.45	4.24	1.77	0.08
11.90	2.06	0.38	0.65	14.50	4.25	1.78	0.08
11.95	2.24	0.47	1.04	14.55	4.26	1.79	0.08
12.00	2.42	0.56	1.26	14.60	4.27	1.79	0.08
12.05	2.71	0.73	**1.99**	14.65	4.27	1.80	0.08
12.10	3.01	0.91	1.89	14.70	4.28	1.81	0.08
12.15	3.11	0.98	0.80	14.75	4.29	1.81	0.07
12.20	3.21	1.05	0.75	14.80	4.30	1.82	0.07
12.25	3.29	1.10	0.58	14.85	4.31	1.82	0.07
12.30	3.36	1.15	0.55	14.90	4.31	1.83	0.07
12.35	3.42	1.18	0.43	14.95	4.32	1.84	0.07
12.40	3.47	1.22	0.43	15.00	4.33	1.84	0.07
12.45	3.52	1.25	0.42	15.05	4.34	1.85	0.06
12.50	3.57	1.29	0.39	15.10	4.34	1.85	0.06
12.55	3.60	1.31	0.27	15.15	4.35	1.86	0.06
12.60	3.64	1.34	0.27	15.20	4.36	1.86	0.06
12.65	3.67	1.36	0.26	15.25	4.36	1.87	0.06
12.70	3.70	1.38	0.25	15.30	4.37	1.87	0.06
12.75	3.73	1.40	0.24	15.35	4.38	1.88	0.06
12.80	3.76	1.42	0.23	15.40	4.39	1.88	0.06
12.85	3.78	1.44	0.21	15.45	4.39	1.89	0.06
12.90	3.81	1.46	0.21	15.50	4.40	1.89	0.06
12.95	3.83	1.47	0.19	15.55	4.41	1.90	0.06

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.06	18.20	4.68	2.12	0.04
15.65	4.42	1.91	0.06	18.25	4.69	2.12	0.04
15.70	4.42	1.91	0.06	18.30	4.69	2.12	0.04
15.75	4.43	1.92	0.06	18.35	4.70	2.12	0.04
15.80	4.44	1.92	0.06	18.40	4.70	2.13	0.04
15.85	4.44	1.93	0.06	18.45	4.70	2.13	0.04
15.90	4.45	1.93	0.06	18.50	4.71	2.13	0.04
15.95	4.46	1.94	0.06	18.55	4.71	2.14	0.04
16.00	4.46	1.94	0.06	18.60	4.72	2.14	0.04
16.05	4.47	1.95	0.05	18.65	4.72	2.14	0.04
16.10	4.47	1.95	0.05	18.70	4.72	2.15	0.04
16.15	4.48	1.96	0.05	18.75	4.73	2.15	0.04
16.20	4.49	1.96	0.05	18.80	4.73	2.15	0.04
16.25	4.49	1.97	0.05	18.85	4.74	2.16	0.04
16.30	4.50	1.97	0.05	18.90	4.74	2.16	0.04
16.35	4.50	1.98	0.05	18.95	4.74	2.16	0.04
16.40	4.51	1.98	0.05	19.00	4.75	2.16	0.04
16.45	4.52	1.98	0.05	19.05	4.75	2.17	0.04
16.50	4.52	1.99	0.05	19.10	4.76	2.17	0.04
16.55	4.53	1.99	0.05	19.15	4.76	2.17	0.03
16.60	4.53	2.00	0.05	19.20	4.76	2.18	0.03
16.65	4.54	2.00	0.05	19.25	4.77	2.18	0.03
16.70	4.54	2.01	0.05	19.30	4.77	2.18	0.03
16.75	4.55	2.01	0.05	19.35	4.77	2.19	0.03
16.80	4.55	2.01	0.05	19.40	4.78	2.19	0.03
16.85	4.56	2.02	0.05	19.45	4.78	2.19	0.03
16.90	4.57	2.02	0.05	19.50	4.79	2.19	0.03
16.95	4.57	2.03	0.05	19.55	4.79	2.20	0.03
17.00	4.58	2.03	0.05	19.60	4.79	2.20	0.03
17.05	4.58	2.03	0.05	19.65	4.80	2.20	0.03
17.10	4.59	2.04	0.05	19.70	4.80	2.21	0.03
17.15	4.59	2.04	0.05	19.75	4.80	2.21	0.03
17.20	4.60	2.05	0.05	19.80	4.81	2.21	0.03
17.25	4.60	2.05	0.04	19.85	4.81	2.21	0.03
17.30	4.61	2.05	0.04	19.90	4.81	2.22	0.03
17.35	4.61	2.06	0.04	19.95	4.82	2.22	0.03
17.40	4.61	2.06	0.04	20.00	4.82	2.22	0.03
17.45	4.62	2.06	0.04	20.05	4.83	2.23	0.03
17.50	4.62	2.07	0.04	20.10	4.83	2.23	0.03
17.55	4.63	2.07	0.04	20.15	4.83	2.23	0.03
17.60	4.63	2.08	0.04	20.20	4.84	2.23	0.03
17.65	4.64	2.08	0.04	20.25	4.84	2.24	0.03
17.70	4.64	2.08	0.04	20.30	4.84	2.24	0.03
17.75	4.65	2.09	0.04	20.35	4.85	2.24	0.03
17.80	4.65	2.09	0.04	20.40	4.85	2.25	0.03
17.85	4.66	2.09	0.04	20.45	4.85	2.25	0.03
17.90	4.66	2.10	0.04	20.50	4.86	2.25	0.03
17.95	4.66	2.10	0.04	20.55	4.86	2.25	0.03
18.00	4.67	2.10	0.04	20.60	4.86	2.26	0.03
18.05	4.67	2.11	0.04	20.65	4.87	2.26	0.03
18.10	4.68	2.11	0.04	20.70	4.87	2.26	0.03
18.15	4.68	2.11	0.04	20.75	4.87	2.26	0.03

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.03	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.03	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.03	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.03	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.03	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.03	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.03	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.03	23.75	5.06	2.41	0.02
21.20	4.90	2.29	0.03	23.80	5.06	2.41	0.02
21.25	4.91	2.29	0.03	23.85	5.06	2.41	0.02
21.30	4.91	2.29	0.03	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.03	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.03	24.00	**5.07**	**2.42**	0.02
21.45	4.92	2.30	0.03	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.03	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.03	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.03	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.03	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.03	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.03	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.03	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.03	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.03	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.03	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.03	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.03	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.03	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.03	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.03	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.03	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.03	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.03	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.03	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.03	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.03	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.03	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.03	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.03	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.03	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.03	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.03	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.03	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

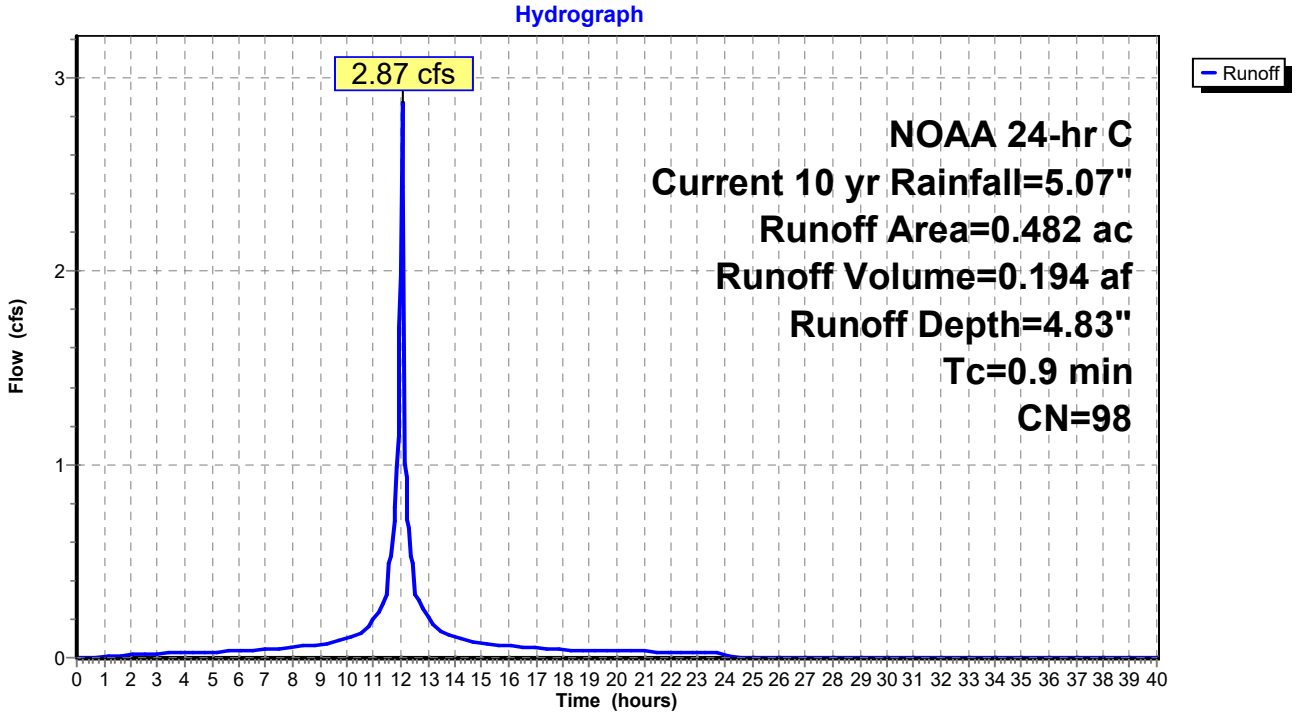
Runoff = 2.87 cfs @ 12.06 hrs, Volume= 0.194 af, Depth= 4.83"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.02
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.02
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.02
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.02
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.02
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.03
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.03
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.03
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.01	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.01	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.05
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.05
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.05
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.06
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.06
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.06
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.06
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.06
5.60	0.37	0.20	0.03	8.20	0.63	0.44	0.06
5.65	0.37	0.21	0.03	8.25	0.64	0.45	0.06
5.70	0.38	0.21	0.03	8.30	0.65	0.45	0.06
5.75	0.38	0.21	0.03	8.35	0.65	0.46	0.06
5.80	0.39	0.22	0.03	8.40	0.66	0.46	0.06
5.85	0.39	0.22	0.03	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.03	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.03	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.03	8.60	0.68	0.49	0.06
6.05	0.41	0.23	0.04	8.65	0.69	0.50	0.06
6.10	0.41	0.24	0.04	8.70	0.70	0.50	0.06
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.06
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.06
6.25	0.42	0.25	0.04	8.85	0.72	0.52	0.06
6.30	0.43	0.25	0.04	8.90	0.73	0.53	0.06
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.07
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.07
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.07
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.07
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.07
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.07
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.08
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.08
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.08
6.80	0.47	0.29	0.04	9.40	0.80	0.60	0.08
6.85	0.48	0.30	0.04	9.45	0.81	0.61	0.08
6.90	0.48	0.30	0.04	9.50	0.82	0.62	0.08
6.95	0.49	0.31	0.04	9.55	0.83	0.63	0.09
7.00	0.49	0.31	0.04	9.60	0.84	0.64	0.09
7.05	0.50	0.32	0.05	9.65	0.85	0.65	0.09
7.10	0.50	0.32	0.05	9.70	0.86	0.66	0.09
7.15	0.51	0.33	0.05	9.75	0.87	0.67	0.09
7.20	0.52	0.33	0.05	9.80	0.88	0.68	0.10
7.25	0.52	0.34	0.05	9.85	0.89	0.69	0.10
7.30	0.53	0.34	0.05	9.90	0.90	0.70	0.10
7.35	0.53	0.35	0.05	9.95	0.91	0.71	0.10
7.40	0.54	0.35	0.05	10.00	0.92	0.72	0.10
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.11
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.11
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.11
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.11
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.11
7.70	0.57	0.38	0.05	10.30	0.99	0.79	0.11
7.75	0.58	0.39	0.05	10.35	1.01	0.80	0.12

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.12	13.00	3.85	3.62	0.22
10.45	1.03	0.82	0.12	13.05	3.87	3.64	0.20
10.50	1.04	0.83	0.12	13.10	3.89	3.66	0.19
10.55	1.06	0.85	0.13	13.15	3.91	3.68	0.18
10.60	1.07	0.86	0.14	13.20	3.93	3.70	0.18
10.65	1.09	0.88	0.15	13.25	3.95	3.71	0.17
10.70	1.10	0.89	0.15	13.30	3.97	3.73	0.16
10.75	1.12	0.91	0.16	13.35	3.98	3.75	0.15
10.80	1.14	0.93	0.17	13.40	4.00	3.76	0.15
10.85	1.16	0.94	0.18	13.45	4.01	3.78	0.14
10.90	1.18	0.96	0.18	13.50	4.03	3.79	0.14
10.95	1.20	0.98	0.19	13.55	4.04	3.80	0.12
11.00	1.22	1.00	0.20	13.60	4.05	3.82	0.12
11.05	1.24	1.02	0.22	13.65	4.06	3.83	0.12
11.10	1.26	1.05	0.22	13.70	4.08	3.84	0.12
11.15	1.29	1.07	0.24	13.75	4.09	3.85	0.12
11.20	1.31	1.10	0.25	13.80	4.10	3.86	0.12
11.25	1.34	1.12	0.27	13.85	4.11	3.88	0.11
11.30	1.37	1.15	0.28	13.90	4.12	3.89	0.11
11.35	1.40	1.18	0.30	13.95	4.13	3.90	0.11
11.40	1.43	1.21	0.30	14.00	4.15	3.91	0.11
11.45	1.47	1.25	0.32	14.05	4.16	3.92	0.11
11.50	1.50	1.28	0.36	14.10	4.17	3.93	0.10
11.55	1.55	1.33	0.49	14.15	4.18	3.94	0.10
11.60	1.60	1.38	0.50	14.20	4.19	3.95	0.10
11.65	1.65	1.43	0.52	14.25	4.20	3.96	0.10
11.70	1.71	1.49	0.56	14.30	4.21	3.97	0.10
11.75	1.78	1.56	0.71	14.35	4.22	3.98	0.09
11.80	1.86	1.63	0.77	14.40	4.23	3.99	0.09
11.85	1.96	1.73	0.99	14.45	4.24	4.00	0.09
11.90	2.06	1.84	1.15	14.50	4.25	4.01	0.09
11.95	2.24	2.01	1.70	14.55	4.26	4.02	0.09
12.00	2.42	2.19	1.97	14.60	4.27	4.03	0.09
12.05	2.71	2.48	**2.85**	14.65	4.27	4.04	0.08
12.10	3.01	2.78	2.43	14.70	4.28	4.05	0.08
12.15	3.11	2.88	1.01	14.75	4.29	4.06	0.08
12.20	3.21	2.98	0.93	14.80	4.30	4.06	0.08
12.25	3.29	3.05	0.72	14.85	4.31	4.07	0.08
12.30	3.36	3.13	0.67	14.90	4.31	4.08	0.08
12.35	3.42	3.18	0.52	14.95	4.32	4.09	0.07
12.40	3.47	3.24	0.52	15.00	4.33	4.09	0.07
12.45	3.52	3.29	0.50	15.05	4.34	4.10	0.07
12.50	3.57	3.34	0.46	15.10	4.34	4.11	0.07
12.55	3.60	3.37	0.32	15.15	4.35	4.12	0.07
12.60	3.64	3.40	0.32	15.20	4.36	4.12	0.07
12.65	3.67	3.43	0.30	15.25	4.36	4.13	0.07
12.70	3.70	3.47	0.29	15.30	4.37	4.14	0.07
12.75	3.73	3.49	0.27	15.35	4.38	4.14	0.07
12.80	3.76	3.52	0.27	15.40	4.39	4.15	0.07
12.85	3.78	3.55	0.25	15.45	4.39	4.16	0.06
12.90	3.81	3.57	0.24	15.50	4.40	4.16	0.06
12.95	3.83	3.60	0.22	15.55	4.41	4.17	0.06

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.06	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.06	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.06	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.06	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.06	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.06	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.06	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.06	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.06	18.65	4.72	4.48	0.04
16.10	4.47	4.24	0.06	18.70	4.72	4.49	0.04
16.15	4.48	4.24	0.06	18.75	4.73	4.49	0.04
16.20	4.49	4.25	0.06	18.80	4.73	4.50	0.04
16.25	4.49	4.26	0.06	18.85	4.74	4.50	0.04
16.30	4.50	4.26	0.06	18.90	4.74	4.50	0.04
16.35	4.50	4.27	0.06	18.95	4.74	4.51	0.04
16.40	4.51	4.27	0.06	19.00	4.75	4.51	0.04
16.45	4.52	4.28	0.06	19.05	4.75	4.51	0.04
16.50	4.52	4.29	0.05	19.10	4.76	4.52	0.04
16.55	4.53	4.29	0.05	19.15	4.76	4.52	0.04
16.60	4.53	4.30	0.05	19.20	4.76	4.53	0.04
16.65	4.54	4.30	0.05	19.25	4.77	4.53	0.04
16.70	4.54	4.31	0.05	19.30	4.77	4.53	0.04
16.75	4.55	4.31	0.05	19.35	4.77	4.54	0.04
16.80	4.55	4.32	0.05	19.40	4.78	4.54	0.04
16.85	4.56	4.32	0.05	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.04
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.04
17.15	4.59	4.35	0.05	19.75	4.80	4.57	0.04
17.20	4.60	4.36	0.05	19.80	4.81	4.57	0.04
17.25	4.60	4.36	0.05	19.85	4.81	4.57	0.04
17.30	4.61	4.37	0.05	19.90	4.81	4.58	0.04
17.35	4.61	4.37	0.05	19.95	4.82	4.58	0.03
17.40	4.61	4.38	0.05	20.00	4.82	4.59	0.03
17.45	4.62	4.38	0.05	20.05	4.83	4.59	0.03
17.50	4.62	4.39	0.05	20.10	4.83	4.59	0.03
17.55	4.63	4.39	0.04	20.15	4.83	4.60	0.03
17.60	4.63	4.40	0.04	20.20	4.84	4.60	0.03
17.65	4.64	4.40	0.04	20.25	4.84	4.60	0.03
17.70	4.64	4.41	0.04	20.30	4.84	4.61	0.03
17.75	4.65	4.41	0.04	20.35	4.85	4.61	0.03
17.80	4.65	4.42	0.04	20.40	4.85	4.61	0.03
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.03
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.03
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.03
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.03
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.03
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.03
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.03

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.03	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.03
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.03
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.03
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.02
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

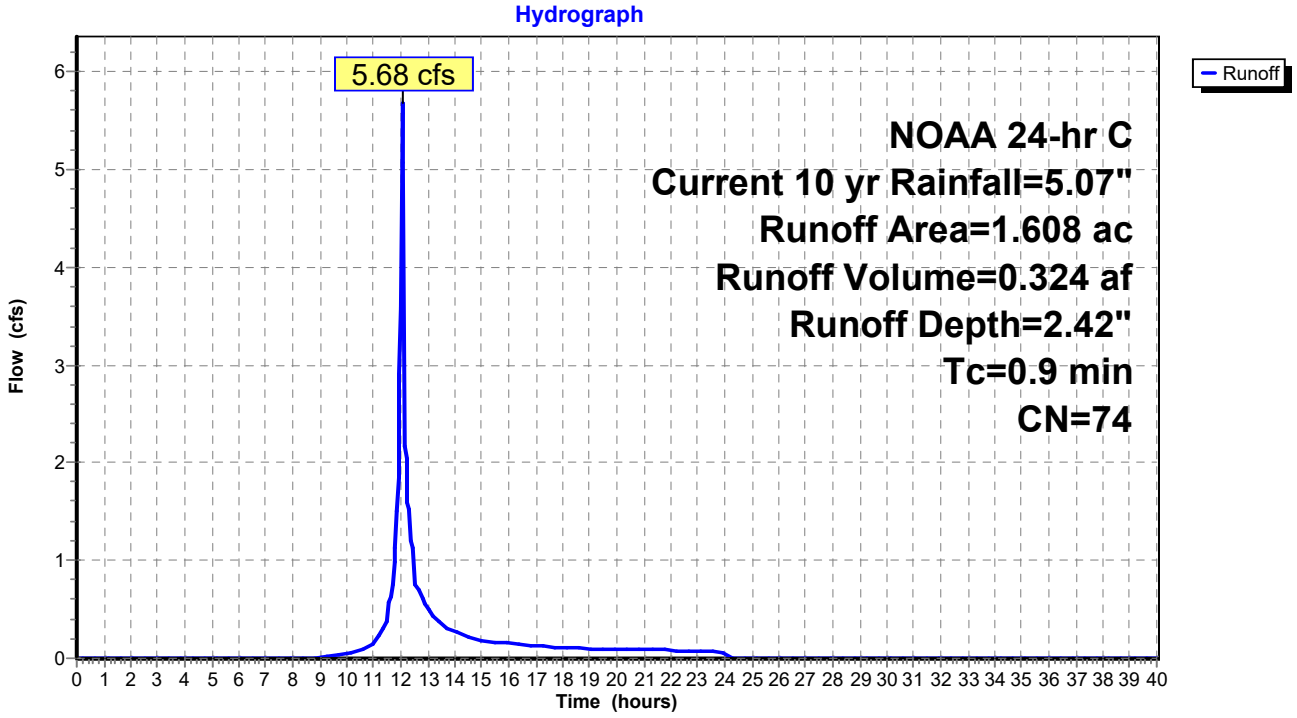
Runoff = 5.68 cfs @ 12.06 hrs, Volume= 0.324 af, Depth= 2.42"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.01
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.02
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.02
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.02
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.03
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.03
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.03
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.04
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.04
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.04
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.04
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.05
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.05
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.05
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.05
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.06
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.06

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.06	13.00	3.85	1.49	0.52
10.45	1.03	0.03	0.07	13.05	3.87	1.50	0.47
10.50	1.04	0.03	0.07	13.10	3.89	1.52	0.46
10.55	1.06	0.03	0.08	13.15	3.91	1.53	0.44
10.60	1.07	0.04	0.09	13.20	3.93	1.55	0.43
10.65	1.09	0.04	0.10	13.25	3.95	1.56	0.41
10.70	1.10	0.04	0.10	13.30	3.97	1.57	0.40
10.75	1.12	0.04	0.11	13.35	3.98	1.58	0.37
10.80	1.14	0.05	0.12	13.40	4.00	1.59	0.37
10.85	1.16	0.05	0.13	13.45	4.01	1.60	0.34
10.90	1.18	0.06	0.14	13.50	4.03	1.61	0.33
10.95	1.20	0.06	0.15	13.55	4.04	1.62	0.31
11.00	1.22	0.07	0.16	13.60	4.05	1.63	0.30
11.05	1.24	0.07	0.18	13.65	4.06	1.64	0.30
11.10	1.26	0.08	0.19	13.70	4.08	1.65	0.30
11.15	1.29	0.08	0.22	13.75	4.09	1.66	0.29
11.20	1.31	0.09	0.23	13.80	4.10	1.67	0.29
11.25	1.34	0.10	0.26	13.85	4.11	1.68	0.28
11.30	1.37	0.11	0.27	13.90	4.12	1.69	0.28
11.35	1.40	0.12	0.30	13.95	4.13	1.70	0.27
11.40	1.43	0.13	0.32	14.00	4.15	1.70	0.27
11.45	1.47	0.14	0.35	14.05	4.16	1.71	0.26
11.50	1.50	0.15	0.40	14.10	4.17	1.72	0.26
11.55	1.55	0.16	0.57	14.15	4.18	1.73	0.26
11.60	1.60	0.18	0.61	14.20	4.19	1.74	0.25
11.65	1.65	0.20	0.66	14.25	4.20	1.74	0.25
11.70	1.71	0.22	0.74	14.30	4.21	1.75	0.24
11.75	1.78	0.25	0.98	14.35	4.22	1.76	0.24
11.80	1.86	0.29	1.12	14.40	4.23	1.77	0.24
11.85	1.96	0.33	1.50	14.45	4.24	1.77	0.23
11.90	2.06	0.38	1.85	14.50	4.25	1.78	0.23
11.95	2.24	0.47	2.90	14.55	4.26	1.79	0.22
12.00	2.42	0.56	3.59	14.60	4.27	1.79	0.22
12.05	2.71	0.73	**5.57**	14.65	4.27	1.80	0.21
12.10	3.01	0.91	5.07	14.70	4.28	1.81	0.21
12.15	3.11	0.98	2.18	14.75	4.29	1.81	0.20
12.20	3.21	1.05	2.04	14.80	4.30	1.82	0.20
12.25	3.29	1.10	1.60	14.85	4.31	1.82	0.19
12.30	3.36	1.15	1.52	14.90	4.31	1.83	0.19
12.35	3.42	1.18	1.19	14.95	4.32	1.84	0.18
12.40	3.47	1.22	1.19	15.00	4.33	1.84	0.18
12.45	3.52	1.25	1.15	15.05	4.34	1.85	0.18
12.50	3.57	1.29	1.06	15.10	4.34	1.85	0.17
12.55	3.60	1.31	0.75	15.15	4.35	1.86	0.17
12.60	3.64	1.34	0.74	15.20	4.36	1.86	0.17
12.65	3.67	1.36	0.71	15.25	4.36	1.87	0.17
12.70	3.70	1.38	0.70	15.30	4.37	1.87	0.17
12.75	3.73	1.40	0.65	15.35	4.38	1.88	0.17
12.80	3.76	1.42	0.64	15.40	4.39	1.88	0.17
12.85	3.78	1.44	0.59	15.45	4.39	1.89	0.17
12.90	3.81	1.46	0.58	15.50	4.40	1.89	0.17
12.95	3.83	1.47	0.53	15.55	4.41	1.90	0.16

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.16	18.20	4.68	2.12	0.10
15.65	4.42	1.91	0.16	18.25	4.69	2.12	0.10
15.70	4.42	1.91	0.16	18.30	4.69	2.12	0.10
15.75	4.43	1.92	0.16	18.35	4.70	2.12	0.10
15.80	4.44	1.92	0.16	18.40	4.70	2.13	0.10
15.85	4.44	1.93	0.16	18.45	4.70	2.13	0.10
15.90	4.45	1.93	0.16	18.50	4.71	2.13	0.10
15.95	4.46	1.94	0.15	18.55	4.71	2.14	0.10
16.00	4.46	1.94	0.15	18.60	4.72	2.14	0.10
16.05	4.47	1.95	0.15	18.65	4.72	2.14	0.10
16.10	4.47	1.95	0.15	18.70	4.72	2.15	0.10
16.15	4.48	1.96	0.15	18.75	4.73	2.15	0.10
16.20	4.49	1.96	0.15	18.80	4.73	2.15	0.10
16.25	4.49	1.97	0.15	18.85	4.74	2.16	0.10
16.30	4.50	1.97	0.15	18.90	4.74	2.16	0.10
16.35	4.50	1.98	0.14	18.95	4.74	2.16	0.10
16.40	4.51	1.98	0.14	19.00	4.75	2.16	0.10
16.45	4.52	1.98	0.14	19.05	4.75	2.17	0.10
16.50	4.52	1.99	0.14	19.10	4.76	2.17	0.10
16.55	4.53	1.99	0.14	19.15	4.76	2.17	0.10
16.60	4.53	2.00	0.14	19.20	4.76	2.18	0.10
16.65	4.54	2.00	0.14	19.25	4.77	2.18	0.10
16.70	4.54	2.01	0.14	19.30	4.77	2.18	0.10
16.75	4.55	2.01	0.13	19.35	4.77	2.19	0.10
16.80	4.55	2.01	0.13	19.40	4.78	2.19	0.10
16.85	4.56	2.02	0.13	19.45	4.78	2.19	0.09
16.90	4.57	2.02	0.13	19.50	4.79	2.19	0.09
16.95	4.57	2.03	0.13	19.55	4.79	2.20	0.09
17.00	4.58	2.03	0.13	19.60	4.79	2.20	0.09
17.05	4.58	2.03	0.13	19.65	4.80	2.20	0.09
17.10	4.59	2.04	0.13	19.70	4.80	2.21	0.09
17.15	4.59	2.04	0.13	19.75	4.80	2.21	0.09
17.20	4.60	2.05	0.12	19.80	4.81	2.21	0.09
17.25	4.60	2.05	0.12	19.85	4.81	2.21	0.09
17.30	4.61	2.05	0.12	19.90	4.81	2.22	0.09
17.35	4.61	2.06	0.12	19.95	4.82	2.22	0.09
17.40	4.61	2.06	0.12	20.00	4.82	2.22	0.09
17.45	4.62	2.06	0.12	20.05	4.83	2.23	0.09
17.50	4.62	2.07	0.12	20.10	4.83	2.23	0.09
17.55	4.63	2.07	0.12	20.15	4.83	2.23	0.09
17.60	4.63	2.08	0.12	20.20	4.84	2.23	0.09
17.65	4.64	2.08	0.11	20.25	4.84	2.24	0.09
17.70	4.64	2.08	0.11	20.30	4.84	2.24	0.09
17.75	4.65	2.09	0.11	20.35	4.85	2.24	0.09
17.80	4.65	2.09	0.11	20.40	4.85	2.25	0.09
17.85	4.66	2.09	0.11	20.45	4.85	2.25	0.09
17.90	4.66	2.10	0.11	20.50	4.86	2.25	0.09
17.95	4.66	2.10	0.11	20.55	4.86	2.25	0.09
18.00	4.67	2.10	0.11	20.60	4.86	2.26	0.09
18.05	4.67	2.11	0.10	20.65	4.87	2.26	0.09
18.10	4.68	2.11	0.10	20.70	4.87	2.26	0.09
18.15	4.68	2.11	0.10	20.75	4.87	2.26	0.09

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.09	23.40	5.04	2.39	0.07
20.85	4.88	2.27	0.09	23.45	5.04	2.40	0.07
20.90	4.88	2.27	0.09	23.50	5.04	2.40	0.07
20.95	4.89	2.28	0.09	23.55	5.04	2.40	0.07
21.00	4.89	2.28	0.09	23.60	5.05	2.40	0.07
21.05	4.89	2.28	0.09	23.65	5.05	2.40	0.07
21.10	4.90	2.28	0.09	23.70	5.05	2.41	0.07
21.15	4.90	2.29	0.08	23.75	5.06	2.41	0.07
21.20	4.90	2.29	0.08	23.80	5.06	2.41	0.07
21.25	4.91	2.29	0.08	23.85	5.06	2.41	0.07
21.30	4.91	2.29	0.08	23.90	5.06	2.42	0.07
21.35	4.91	2.30	0.08	23.95	5.07	2.42	0.08
21.40	4.92	2.30	0.08	24.00	**5.07**	**2.42**	0.06
21.45	4.92	2.30	0.08	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.08	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.08	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.08	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.08	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.08	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.08	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.08	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.08	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.08	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.08	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.08	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.08	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.08	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.08	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.08	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.08	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.08	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.08	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.08	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.08	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.08	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.08	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.08	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.08	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.08	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.07	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.07	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.07	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.07	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.07	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.07	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.07	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.07	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.07	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.07	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.07	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.07	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.07	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 9I: PDA-9 (impervious)

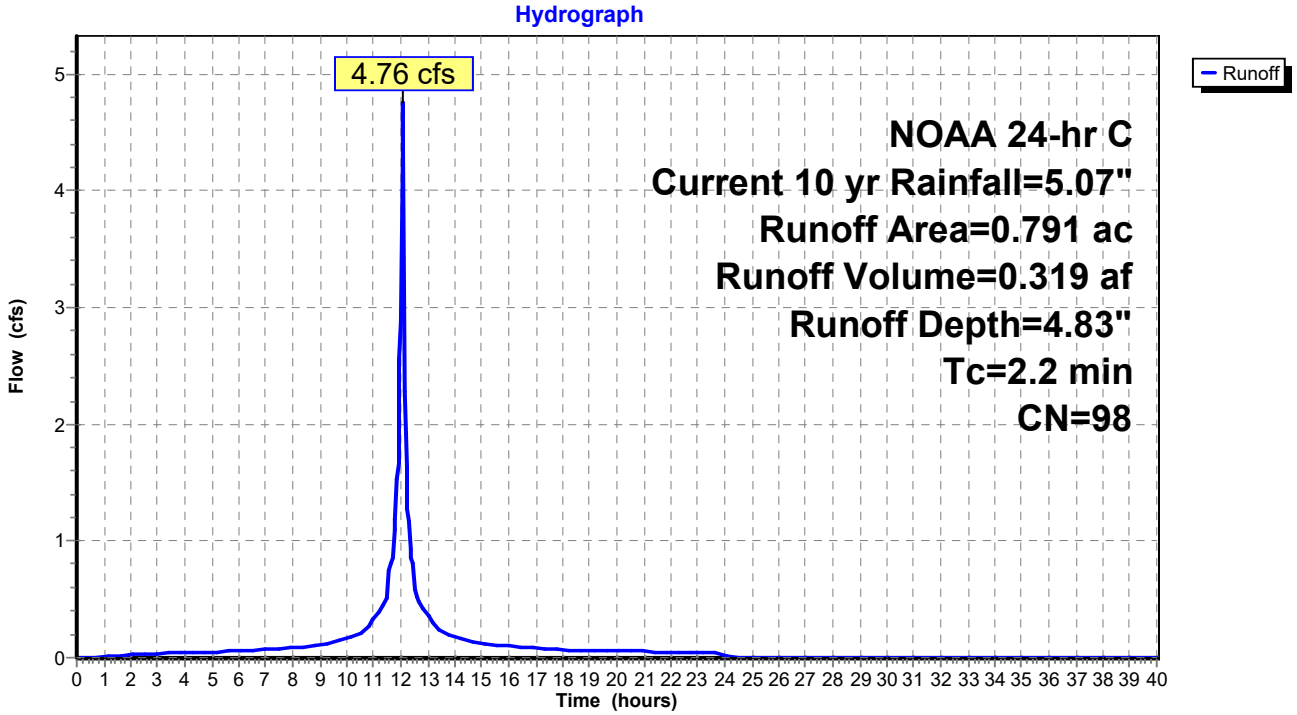
Runoff = 4.76 cfs @ 12.08 hrs, Volume= 0.319 af, Depth= 4.83"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9I: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.05
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.05
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.05
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.05
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.05
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.09
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.09
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.09
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.09
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.09
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.09
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.09
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.09
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.09
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.09
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.10
5.75	0.38	0.21	0.06	8.35	0.65	0.46	0.10
5.80	0.39	0.22	0.06	8.40	0.66	0.46	0.10
5.85	0.39	0.22	0.06	8.45	0.66	0.47	0.10
5.90	0.39	0.22	0.06	8.50	0.67	0.48	0.10
5.95	0.40	0.23	0.06	8.55	0.68	0.48	0.10
6.00	0.40	0.23	0.06	8.60	0.68	0.49	0.10
6.05	0.41	0.23	0.06	8.65	0.69	0.50	0.10
6.10	0.41	0.24	0.06	8.70	0.70	0.50	0.10
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.10
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.10
6.25	0.42	0.25	0.06	8.85	0.72	0.52	0.11
6.30	0.43	0.25	0.06	8.90	0.73	0.53	0.11
6.35	0.43	0.26	0.06	8.95	0.73	0.53	0.11
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.11
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.11
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.11
6.55	0.45	0.27	0.07	9.15	0.76	0.56	0.12
6.60	0.46	0.28	0.07	9.20	0.77	0.57	0.12
6.65	0.46	0.28	0.07	9.25	0.78	0.58	0.12
6.70	0.46	0.29	0.07	9.30	0.79	0.59	0.13
6.75	0.47	0.29	0.07	9.35	0.80	0.59	0.13
6.80	0.47	0.29	0.07	9.40	0.80	0.60	0.13
6.85	0.48	0.30	0.07	9.45	0.81	0.61	0.14
6.90	0.48	0.30	0.07	9.50	0.82	0.62	0.14
6.95	0.49	0.31	0.07	9.55	0.83	0.63	0.14
7.00	0.49	0.31	0.07	9.60	0.84	0.64	0.14
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.15
7.10	0.50	0.32	0.08	9.70	0.86	0.66	0.15
7.15	0.51	0.33	0.08	9.75	0.87	0.67	0.15
7.20	0.52	0.33	0.08	9.80	0.88	0.68	0.16
7.25	0.52	0.34	0.08	9.85	0.89	0.69	0.16
7.30	0.53	0.34	0.08	9.90	0.90	0.70	0.16
7.35	0.53	0.35	0.08	9.95	0.91	0.71	0.17
7.40	0.54	0.35	0.08	10.00	0.92	0.72	0.17
7.45	0.54	0.36	0.08	10.05	0.94	0.73	0.17
7.50	0.55	0.36	0.08	10.10	0.95	0.74	0.17
7.55	0.55	0.37	0.08	10.15	0.96	0.75	0.18
7.60	0.56	0.37	0.08	10.20	0.97	0.76	0.18
7.65	0.57	0.38	0.08	10.25	0.98	0.77	0.18
7.70	0.57	0.38	0.09	10.30	0.99	0.79	0.19
7.75	0.58	0.39	0.09	10.35	1.01	0.80	0.19

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.19	13.00	3.85	3.62	0.36
10.45	1.03	0.82	0.20	13.05	3.87	3.64	0.33
10.50	1.04	0.83	0.20	13.10	3.89	3.66	0.32
10.55	1.06	0.85	0.22	13.15	3.91	3.68	0.30
10.60	1.07	0.86	0.22	13.20	3.93	3.70	0.30
10.65	1.09	0.88	0.24	13.25	3.95	3.71	0.28
10.70	1.10	0.89	0.24	13.30	3.97	3.73	0.27
10.75	1.12	0.91	0.26	13.35	3.98	3.75	0.26
10.80	1.14	0.93	0.27	13.40	4.00	3.76	0.25
10.85	1.16	0.94	0.29	13.45	4.01	3.78	0.23
10.90	1.18	0.96	0.29	13.50	4.03	3.79	0.23
10.95	1.20	0.98	0.31	13.55	4.04	3.80	0.21
11.00	1.22	1.00	0.32	13.60	4.05	3.82	0.20
11.05	1.24	1.02	0.35	13.65	4.06	3.83	0.20
11.10	1.26	1.05	0.36	13.70	4.08	3.84	0.20
11.15	1.29	1.07	0.39	13.75	4.09	3.85	0.19
11.20	1.31	1.10	0.40	13.80	4.10	3.86	0.19
11.25	1.34	1.12	0.43	13.85	4.11	3.88	0.19
11.30	1.37	1.15	0.44	13.90	4.12	3.89	0.19
11.35	1.40	1.18	0.48	13.95	4.13	3.90	0.18
11.40	1.43	1.21	0.49	14.00	4.15	3.91	0.18
11.45	1.47	1.25	0.51	14.05	4.16	3.92	0.17
11.50	1.50	1.28	0.53	14.10	4.17	3.93	0.17
11.55	1.55	1.33	0.74	14.15	4.18	3.94	0.17
11.60	1.60	1.38	0.81	14.20	4.19	3.95	0.17
11.65	1.65	1.43	0.84	14.25	4.20	3.96	0.16
11.70	1.71	1.49	0.86	14.30	4.21	3.97	0.16
11.75	1.78	1.56	1.10	14.35	4.22	3.98	0.16
11.80	1.86	1.63	1.18	14.40	4.23	3.99	0.16
11.85	1.96	1.73	1.52	14.45	4.24	4.00	0.15
11.90	2.06	1.84	1.67	14.50	4.25	4.01	0.15
11.95	2.24	2.01	2.55	14.55	4.26	4.02	0.14
12.00	2.42	2.19	2.88	14.60	4.27	4.03	0.14
12.05	2.71	2.48	4.29	14.65	4.27	4.04	0.14
12.10	3.01	2.78	**4.56**	14.70	4.28	4.05	0.14
12.15	3.11	2.88	2.29	14.75	4.29	4.06	0.13
12.20	3.21	2.98	1.63	14.80	4.30	4.06	0.13
12.25	3.29	3.05	1.27	14.85	4.31	4.07	0.13
12.30	3.36	3.13	1.17	14.90	4.31	4.08	0.12
12.35	3.42	3.18	0.93	14.95	4.32	4.09	0.12
12.40	3.47	3.24	0.86	15.00	4.33	4.09	0.12
12.45	3.52	3.29	0.82	15.05	4.34	4.10	0.11
12.50	3.57	3.34	0.80	15.10	4.34	4.11	0.11
12.55	3.60	3.37	0.59	15.15	4.35	4.12	0.11
12.60	3.64	3.40	0.53	15.20	4.36	4.12	0.11
12.65	3.67	3.43	0.50	15.25	4.36	4.13	0.11
12.70	3.70	3.47	0.49	15.30	4.37	4.14	0.11
12.75	3.73	3.49	0.46	15.35	4.38	4.14	0.11
12.80	3.76	3.52	0.45	15.40	4.39	4.15	0.11
12.85	3.78	3.55	0.42	15.45	4.39	4.16	0.11
12.90	3.81	3.57	0.40	15.50	4.40	4.16	0.11
12.95	3.83	3.60	0.37	15.55	4.41	4.17	0.11

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.06
15.65	4.42	4.18	0.10	18.25	4.69	4.45	0.06
15.70	4.42	4.19	0.10	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.10	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.10	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.10	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.10	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.10	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.10	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.06
16.10	4.47	4.24	0.10	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.10	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.09	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.09	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.09	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.09	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.09	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.09	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.09	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.09	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.08	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.08	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.08	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.08	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.08	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.08	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.08	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.08	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.07	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.07	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.07	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.07	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.06
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.06
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.06
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.06
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.06
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.06	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.06	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.05
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

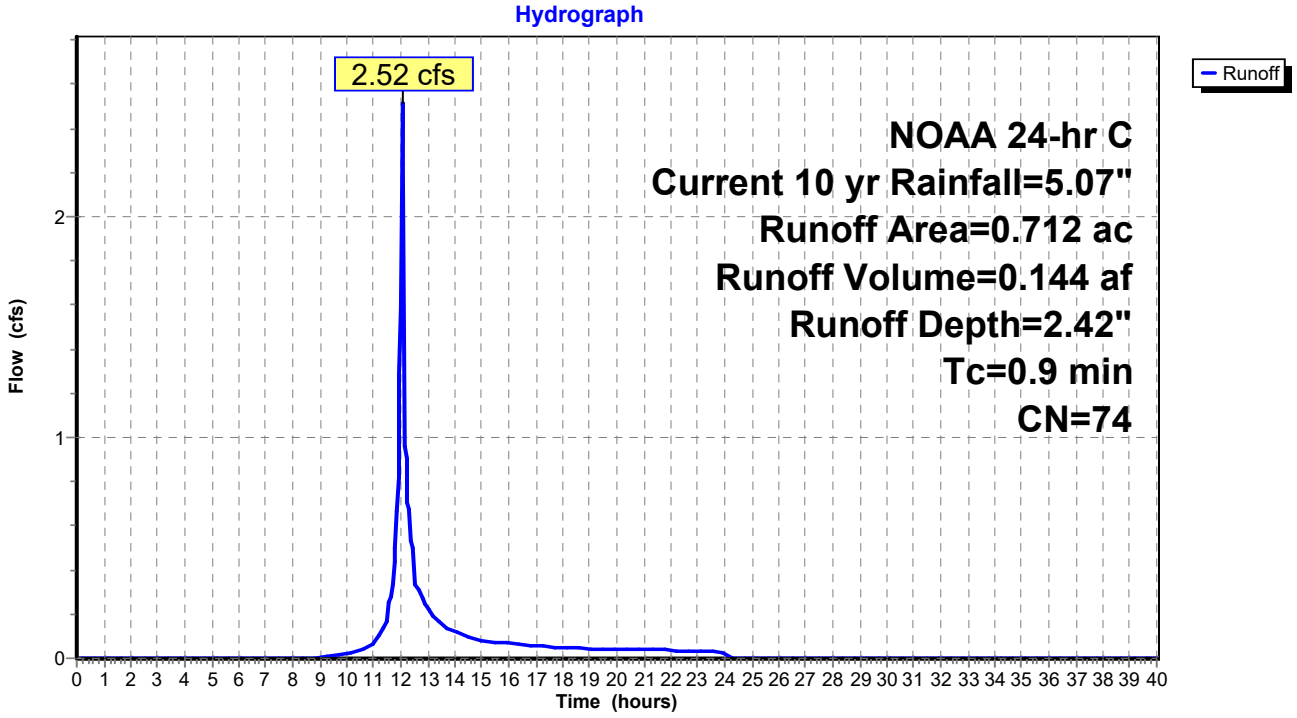
Runoff = 2.52 cfs @ 12.06 hrs, Volume= 0.144 af, Depth= 2.42"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.23
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.21
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.21
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.19
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.19
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.18
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.18
10.75	1.12	0.04	0.05	13.35	3.98	1.58	0.17
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.16
10.85	1.16	0.05	0.06	13.45	4.01	1.60	0.15
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.15
10.95	1.20	0.06	0.07	13.55	4.04	1.62	0.14
11.00	1.22	0.07	0.07	13.60	4.05	1.63	0.13
11.05	1.24	0.07	0.08	13.65	4.06	1.64	0.13
11.10	1.26	0.08	0.09	13.70	4.08	1.65	0.13
11.15	1.29	0.08	0.10	13.75	4.09	1.66	0.13
11.20	1.31	0.09	0.10	13.80	4.10	1.67	0.13
11.25	1.34	0.10	0.11	13.85	4.11	1.68	0.12
11.30	1.37	0.11	0.12	13.90	4.12	1.69	0.12
11.35	1.40	0.12	0.13	13.95	4.13	1.70	0.12
11.40	1.43	0.13	0.14	14.00	4.15	1.70	0.12
11.45	1.47	0.14	0.15	14.05	4.16	1.71	0.12
11.50	1.50	0.15	0.18	14.10	4.17	1.72	0.12
11.55	1.55	0.16	0.25	14.15	4.18	1.73	0.11
11.60	1.60	0.18	0.27	14.20	4.19	1.74	0.11
11.65	1.65	0.20	0.29	14.25	4.20	1.74	0.11
11.70	1.71	0.22	0.33	14.30	4.21	1.75	0.11
11.75	1.78	0.25	0.43	14.35	4.22	1.76	0.11
11.80	1.86	0.29	0.50	14.40	4.23	1.77	0.10
11.85	1.96	0.33	0.66	14.45	4.24	1.77	0.10
11.90	2.06	0.38	0.82	14.50	4.25	1.78	0.10
11.95	2.24	0.47	1.28	14.55	4.26	1.79	0.10
12.00	2.42	0.56	1.59	14.60	4.27	1.79	0.10
12.05	2.71	0.73	**2.47**	14.65	4.27	1.80	0.09
12.10	3.01	0.91	2.24	14.70	4.28	1.81	0.09
12.15	3.11	0.98	0.96	14.75	4.29	1.81	0.09
12.20	3.21	1.05	0.91	14.80	4.30	1.82	0.09
12.25	3.29	1.10	0.71	14.85	4.31	1.82	0.09
12.30	3.36	1.15	0.67	14.90	4.31	1.83	0.08
12.35	3.42	1.18	0.53	14.95	4.32	1.84	0.08
12.40	3.47	1.22	0.52	15.00	4.33	1.84	0.08
12.45	3.52	1.25	0.51	15.05	4.34	1.85	0.08
12.50	3.57	1.29	0.47	15.10	4.34	1.85	0.08
12.55	3.60	1.31	0.33	15.15	4.35	1.86	0.08
12.60	3.64	1.34	0.33	15.20	4.36	1.86	0.08
12.65	3.67	1.36	0.31	15.25	4.36	1.87	0.08
12.70	3.70	1.38	0.31	15.30	4.37	1.87	0.08
12.75	3.73	1.40	0.29	15.35	4.38	1.88	0.07
12.80	3.76	1.42	0.28	15.40	4.39	1.88	0.07
12.85	3.78	1.44	0.26	15.45	4.39	1.89	0.07
12.90	3.81	1.46	0.26	15.50	4.40	1.89	0.07
12.95	3.83	1.47	0.24	15.55	4.41	1.90	0.07

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.07	18.20	4.68	2.12	0.05
15.65	4.42	1.91	0.07	18.25	4.69	2.12	0.05
15.70	4.42	1.91	0.07	18.30	4.69	2.12	0.05
15.75	4.43	1.92	0.07	18.35	4.70	2.12	0.04
15.80	4.44	1.92	0.07	18.40	4.70	2.13	0.04
15.85	4.44	1.93	0.07	18.45	4.70	2.13	0.04
15.90	4.45	1.93	0.07	18.50	4.71	2.13	0.04
15.95	4.46	1.94	0.07	18.55	4.71	2.14	0.04
16.00	4.46	1.94	0.07	18.60	4.72	2.14	0.04
16.05	4.47	1.95	0.07	18.65	4.72	2.14	0.04
16.10	4.47	1.95	0.07	18.70	4.72	2.15	0.04
16.15	4.48	1.96	0.07	18.75	4.73	2.15	0.04
16.20	4.49	1.96	0.07	18.80	4.73	2.15	0.04
16.25	4.49	1.97	0.06	18.85	4.74	2.16	0.04
16.30	4.50	1.97	0.06	18.90	4.74	2.16	0.04
16.35	4.50	1.98	0.06	18.95	4.74	2.16	0.04
16.40	4.51	1.98	0.06	19.00	4.75	2.16	0.04
16.45	4.52	1.98	0.06	19.05	4.75	2.17	0.04
16.50	4.52	1.99	0.06	19.10	4.76	2.17	0.04
16.55	4.53	1.99	0.06	19.15	4.76	2.17	0.04
16.60	4.53	2.00	0.06	19.20	4.76	2.18	0.04
16.65	4.54	2.00	0.06	19.25	4.77	2.18	0.04
16.70	4.54	2.01	0.06	19.30	4.77	2.18	0.04
16.75	4.55	2.01	0.06	19.35	4.77	2.19	0.04
16.80	4.55	2.01	0.06	19.40	4.78	2.19	0.04
16.85	4.56	2.02	0.06	19.45	4.78	2.19	0.04
16.90	4.57	2.02	0.06	19.50	4.79	2.19	0.04
16.95	4.57	2.03	0.06	19.55	4.79	2.20	0.04
17.00	4.58	2.03	0.06	19.60	4.79	2.20	0.04
17.05	4.58	2.03	0.06	19.65	4.80	2.20	0.04
17.10	4.59	2.04	0.06	19.70	4.80	2.21	0.04
17.15	4.59	2.04	0.06	19.75	4.80	2.21	0.04
17.20	4.60	2.05	0.06	19.80	4.81	2.21	0.04
17.25	4.60	2.05	0.05	19.85	4.81	2.21	0.04
17.30	4.61	2.05	0.05	19.90	4.81	2.22	0.04
17.35	4.61	2.06	0.05	19.95	4.82	2.22	0.04
17.40	4.61	2.06	0.05	20.00	4.82	2.22	0.04
17.45	4.62	2.06	0.05	20.05	4.83	2.23	0.04
17.50	4.62	2.07	0.05	20.10	4.83	2.23	0.04
17.55	4.63	2.07	0.05	20.15	4.83	2.23	0.04
17.60	4.63	2.08	0.05	20.20	4.84	2.23	0.04
17.65	4.64	2.08	0.05	20.25	4.84	2.24	0.04
17.70	4.64	2.08	0.05	20.30	4.84	2.24	0.04
17.75	4.65	2.09	0.05	20.35	4.85	2.24	0.04
17.80	4.65	2.09	0.05	20.40	4.85	2.25	0.04
17.85	4.66	2.09	0.05	20.45	4.85	2.25	0.04
17.90	4.66	2.10	0.05	20.50	4.86	2.25	0.04
17.95	4.66	2.10	0.05	20.55	4.86	2.25	0.04
18.00	4.67	2.10	0.05	20.60	4.86	2.26	0.04
18.05	4.67	2.11	0.05	20.65	4.87	2.26	0.04
18.10	4.68	2.11	0.05	20.70	4.87	2.26	0.04
18.15	4.68	2.11	0.05	20.75	4.87	2.26	0.04

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.04	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.04	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.04	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.04	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.04	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.04	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.04	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.04	23.75	5.06	2.41	0.03
21.20	4.90	2.29	0.04	23.80	5.06	2.41	0.03
21.25	4.91	2.29	0.04	23.85	5.06	2.41	0.03
21.30	4.91	2.29	0.04	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.04	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.04	24.00	**5.07**	**2.42**	0.03
21.45	4.92	2.30	0.04	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.04	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.04	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.04	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.04	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.04	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.04	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.04	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.03	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.03	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.03	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.03	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.03	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.03	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.03	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.03	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.03	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.03	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.03	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.03	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.03	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.03	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 10l: PDA-10 (impervious)

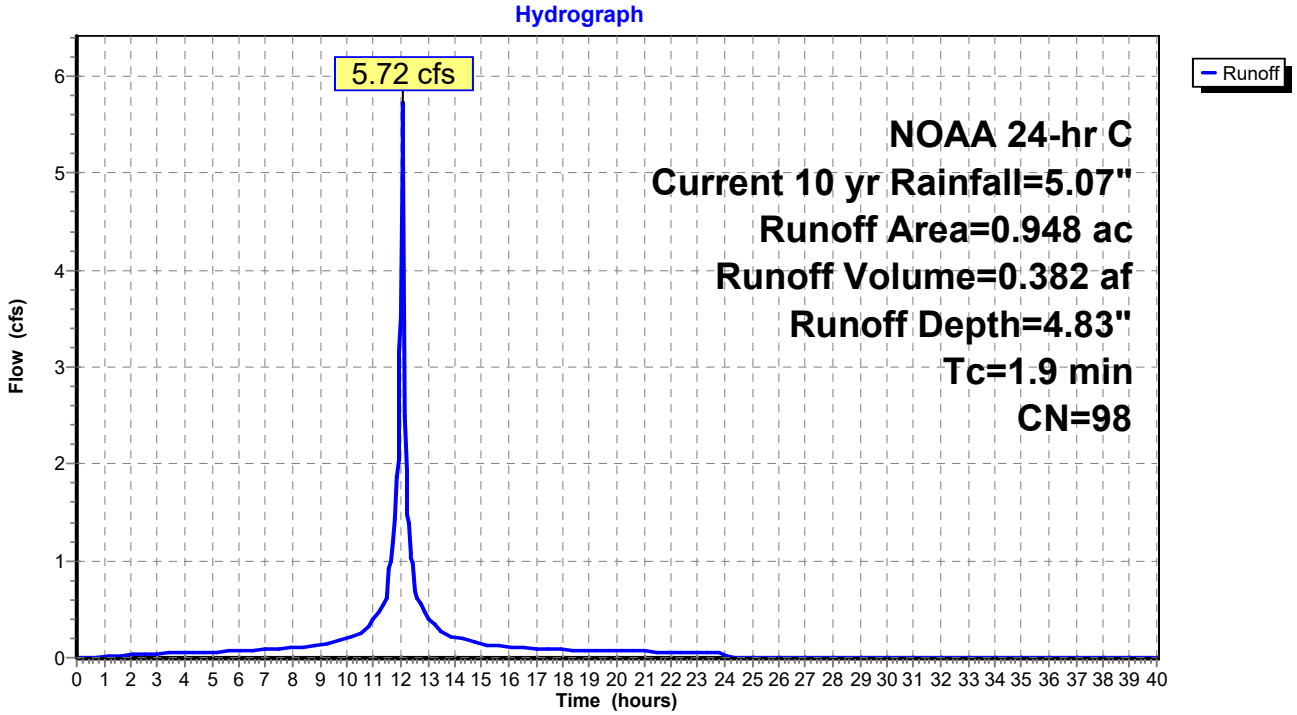
Runoff = 5.72 cfs @ 12.08 hrs, Volume= 0.382 af, Depth= 4.83"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**

Subcatchment 10l: PDA-10 (impervious)



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.04
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.04
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.04
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.04
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.04
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.04
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.04
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.05
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.05
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.05
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.05
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.05
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.05
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.05
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.05
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.05
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.05
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.05
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.05
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.05
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.05
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.05
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.06
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.06
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.06
1.95	0.11	0.02	0.03	4.55	0.29	0.14	0.06
2.00	0.11	0.02	0.03	4.60	0.29	0.14	0.06
2.05	0.12	0.02	0.03	4.65	0.30	0.14	0.06
2.10	0.12	0.02	0.03	4.70	0.30	0.14	0.06
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.06
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.06
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.06
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.06
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.06
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.06
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.06
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.06
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.06

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.06	7.80	0.58	0.39	0.10
5.25	0.34	0.18	0.06	7.85	0.59	0.40	0.11
5.30	0.35	0.18	0.06	7.90	0.60	0.41	0.11
5.35	0.35	0.19	0.06	7.95	0.60	0.41	0.11
5.40	0.35	0.19	0.06	8.00	0.61	0.42	0.11
5.45	0.36	0.19	0.06	8.05	0.61	0.42	0.11
5.50	0.36	0.20	0.06	8.10	0.62	0.43	0.11
5.55	0.37	0.20	0.06	8.15	0.63	0.43	0.11
5.60	0.37	0.20	0.06	8.20	0.63	0.44	0.11
5.65	0.37	0.21	0.07	8.25	0.64	0.45	0.11
5.70	0.38	0.21	0.07	8.30	0.65	0.45	0.11
5.75	0.38	0.21	0.07	8.35	0.65	0.46	0.12
5.80	0.39	0.22	0.07	8.40	0.66	0.46	0.12
5.85	0.39	0.22	0.07	8.45	0.66	0.47	0.12
5.90	0.39	0.22	0.07	8.50	0.67	0.48	0.12
5.95	0.40	0.23	0.07	8.55	0.68	0.48	0.12
6.00	0.40	0.23	0.07	8.60	0.68	0.49	0.12
6.05	0.41	0.23	0.07	8.65	0.69	0.50	0.12
6.10	0.41	0.24	0.07	8.70	0.70	0.50	0.12
6.15	0.41	0.24	0.07	8.75	0.71	0.51	0.12
6.20	0.42	0.25	0.07	8.80	0.71	0.51	0.12
6.25	0.42	0.25	0.07	8.85	0.72	0.52	0.13
6.30	0.43	0.25	0.07	8.90	0.73	0.53	0.13
6.35	0.43	0.26	0.08	8.95	0.73	0.53	0.13
6.40	0.44	0.26	0.08	9.00	0.74	0.54	0.13
6.45	0.44	0.27	0.08	9.05	0.75	0.55	0.13
6.50	0.45	0.27	0.08	9.10	0.76	0.56	0.14
6.55	0.45	0.27	0.08	9.15	0.76	0.56	0.14
6.60	0.46	0.28	0.08	9.20	0.77	0.57	0.14
6.65	0.46	0.28	0.08	9.25	0.78	0.58	0.15
6.70	0.46	0.29	0.08	9.30	0.79	0.59	0.15
6.75	0.47	0.29	0.08	9.35	0.80	0.59	0.16
6.80	0.47	0.29	0.08	9.40	0.80	0.60	0.16
6.85	0.48	0.30	0.09	9.45	0.81	0.61	0.16
6.90	0.48	0.30	0.09	9.50	0.82	0.62	0.17
6.95	0.49	0.31	0.09	9.55	0.83	0.63	0.17
7.00	0.49	0.31	0.09	9.60	0.84	0.64	0.17
7.05	0.50	0.32	0.09	9.65	0.85	0.65	0.18
7.10	0.50	0.32	0.09	9.70	0.86	0.66	0.18
7.15	0.51	0.33	0.09	9.75	0.87	0.67	0.19
7.20	0.52	0.33	0.09	9.80	0.88	0.68	0.19
7.25	0.52	0.34	0.09	9.85	0.89	0.69	0.19
7.30	0.53	0.34	0.09	9.90	0.90	0.70	0.19
7.35	0.53	0.35	0.10	9.95	0.91	0.71	0.20
7.40	0.54	0.35	0.10	10.00	0.92	0.72	0.20
7.45	0.54	0.36	0.10	10.05	0.94	0.73	0.21
7.50	0.55	0.36	0.10	10.10	0.95	0.74	0.21
7.55	0.55	0.37	0.10	10.15	0.96	0.75	0.21
7.60	0.56	0.37	0.10	10.20	0.97	0.76	0.22
7.65	0.57	0.38	0.10	10.25	0.98	0.77	0.22
7.70	0.57	0.38	0.10	10.30	0.99	0.79	0.22
7.75	0.58	0.39	0.10	10.35	1.01	0.80	0.23

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.23	13.00	3.85	3.62	0.43
10.45	1.03	0.82	0.24	13.05	3.87	3.64	0.39
10.50	1.04	0.83	0.24	13.10	3.89	3.66	0.38
10.55	1.06	0.85	0.26	13.15	3.91	3.68	0.36
10.60	1.07	0.86	0.27	13.20	3.93	3.70	0.35
10.65	1.09	0.88	0.29	13.25	3.95	3.71	0.33
10.70	1.10	0.89	0.29	13.30	3.97	3.73	0.33
10.75	1.12	0.91	0.32	13.35	3.98	3.75	0.30
10.80	1.14	0.93	0.32	13.40	4.00	3.76	0.30
10.85	1.16	0.94	0.34	13.45	4.01	3.78	0.28
10.90	1.18	0.96	0.35	13.50	4.03	3.79	0.27
10.95	1.20	0.98	0.37	13.55	4.04	3.80	0.25
11.00	1.22	1.00	0.38	13.60	4.05	3.82	0.24
11.05	1.24	1.02	0.42	13.65	4.06	3.83	0.24
11.10	1.26	1.05	0.43	13.70	4.08	3.84	0.24
11.15	1.29	1.07	0.47	13.75	4.09	3.85	0.23
11.20	1.31	1.10	0.48	13.80	4.10	3.86	0.23
11.25	1.34	1.12	0.52	13.85	4.11	3.88	0.22
11.30	1.37	1.15	0.53	13.90	4.12	3.89	0.22
11.35	1.40	1.18	0.57	13.95	4.13	3.90	0.22
11.40	1.43	1.21	0.59	14.00	4.15	3.91	0.21
11.45	1.47	1.25	0.62	14.05	4.16	3.92	0.21
11.50	1.50	1.28	0.64	14.10	4.17	3.93	0.21
11.55	1.55	1.33	0.92	14.15	4.18	3.94	0.20
11.60	1.60	1.38	0.97	14.20	4.19	3.95	0.20
11.65	1.65	1.43	1.01	14.25	4.20	3.96	0.19
11.70	1.71	1.49	1.04	14.30	4.21	3.97	0.19
11.75	1.78	1.56	1.34	14.35	4.22	3.98	0.19
11.80	1.86	1.63	1.43	14.40	4.23	3.99	0.19
11.85	1.96	1.73	1.86	14.45	4.24	4.00	0.18
11.90	2.06	1.84	2.03	14.50	4.25	4.01	0.18
11.95	2.24	2.01	3.15	14.55	4.26	4.02	0.17
12.00	2.42	2.19	3.50	14.60	4.27	4.03	0.17
12.05	2.71	2.48	5.29	14.65	4.27	4.04	0.17
12.10	3.01	2.78	**5.40**	14.70	4.28	4.05	0.16
12.15	3.11	2.88	2.49	14.75	4.29	4.06	0.16
12.20	3.21	2.98	1.93	14.80	4.30	4.06	0.16
12.25	3.29	3.05	1.49	14.85	4.31	4.07	0.15
12.30	3.36	3.13	1.39	14.90	4.31	4.08	0.15
12.35	3.42	3.18	1.08	14.95	4.32	4.09	0.14
12.40	3.47	3.24	1.03	15.00	4.33	4.09	0.14
12.45	3.52	3.29	0.98	15.05	4.34	4.10	0.14
12.50	3.57	3.34	0.96	15.10	4.34	4.11	0.14
12.55	3.60	3.37	0.68	15.15	4.35	4.12	0.13
12.60	3.64	3.40	0.63	15.20	4.36	4.12	0.13
12.65	3.67	3.43	0.60	15.25	4.36	4.13	0.13
12.70	3.70	3.47	0.59	15.30	4.37	4.14	0.13
12.75	3.73	3.49	0.55	15.35	4.38	4.14	0.13
12.80	3.76	3.52	0.54	15.40	4.39	4.15	0.13
12.85	3.78	3.55	0.49	15.45	4.39	4.16	0.13
12.90	3.81	3.57	0.48	15.50	4.40	4.16	0.13
12.95	3.83	3.60	0.44	15.55	4.41	4.17	0.13

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.13	18.20	4.68	4.45	0.08
15.65	4.42	4.18	0.12	18.25	4.69	4.45	0.08
15.70	4.42	4.19	0.12	18.30	4.69	4.46	0.08
15.75	4.43	4.20	0.12	18.35	4.70	4.46	0.08
15.80	4.44	4.20	0.12	18.40	4.70	4.46	0.08
15.85	4.44	4.21	0.12	18.45	4.70	4.47	0.08
15.90	4.45	4.21	0.12	18.50	4.71	4.47	0.08
15.95	4.46	4.22	0.12	18.55	4.71	4.48	0.08
16.00	4.46	4.23	0.12	18.60	4.72	4.48	0.08
16.05	4.47	4.23	0.12	18.65	4.72	4.48	0.08
16.10	4.47	4.24	0.12	18.70	4.72	4.49	0.07
16.15	4.48	4.24	0.11	18.75	4.73	4.49	0.07
16.20	4.49	4.25	0.11	18.80	4.73	4.50	0.07
16.25	4.49	4.26	0.11	18.85	4.74	4.50	0.07
16.30	4.50	4.26	0.11	18.90	4.74	4.50	0.07
16.35	4.50	4.27	0.11	18.95	4.74	4.51	0.07
16.40	4.51	4.27	0.11	19.00	4.75	4.51	0.07
16.45	4.52	4.28	0.11	19.05	4.75	4.51	0.07
16.50	4.52	4.29	0.11	19.10	4.76	4.52	0.07
16.55	4.53	4.29	0.11	19.15	4.76	4.52	0.07
16.60	4.53	4.30	0.11	19.20	4.76	4.53	0.07
16.65	4.54	4.30	0.11	19.25	4.77	4.53	0.07
16.70	4.54	4.31	0.10	19.30	4.77	4.53	0.07
16.75	4.55	4.31	0.10	19.35	4.77	4.54	0.07
16.80	4.55	4.32	0.10	19.40	4.78	4.54	0.07
16.85	4.56	4.32	0.10	19.45	4.78	4.55	0.07
16.90	4.57	4.33	0.10	19.50	4.79	4.55	0.07
16.95	4.57	4.33	0.10	19.55	4.79	4.55	0.07
17.00	4.58	4.34	0.10	19.60	4.79	4.56	0.07
17.05	4.58	4.34	0.10	19.65	4.80	4.56	0.07
17.10	4.59	4.35	0.10	19.70	4.80	4.56	0.07
17.15	4.59	4.35	0.10	19.75	4.80	4.57	0.07
17.20	4.60	4.36	0.10	19.80	4.81	4.57	0.07
17.25	4.60	4.36	0.09	19.85	4.81	4.57	0.07
17.30	4.61	4.37	0.09	19.90	4.81	4.58	0.07
17.35	4.61	4.37	0.09	19.95	4.82	4.58	0.07
17.40	4.61	4.38	0.09	20.00	4.82	4.59	0.07
17.45	4.62	4.38	0.09	20.05	4.83	4.59	0.07
17.50	4.62	4.39	0.09	20.10	4.83	4.59	0.07
17.55	4.63	4.39	0.09	20.15	4.83	4.60	0.07
17.60	4.63	4.40	0.09	20.20	4.84	4.60	0.07
17.65	4.64	4.40	0.09	20.25	4.84	4.60	0.07
17.70	4.64	4.41	0.09	20.30	4.84	4.61	0.07
17.75	4.65	4.41	0.08	20.35	4.85	4.61	0.07
17.80	4.65	4.42	0.08	20.40	4.85	4.61	0.07
17.85	4.66	4.42	0.08	20.45	4.85	4.62	0.07
17.90	4.66	4.42	0.08	20.50	4.86	4.62	0.07
17.95	4.66	4.43	0.08	20.55	4.86	4.62	0.07
18.00	4.67	4.43	0.08	20.60	4.86	4.63	0.07
18.05	4.67	4.44	0.08	20.65	4.87	4.63	0.07
18.10	4.68	4.44	0.08	20.70	4.87	4.63	0.07
18.15	4.68	4.44	0.08	20.75	4.87	4.64	0.06

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.06	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.06	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.06	23.50	5.04	4.81	0.05
20.95	4.89	4.65	0.06	23.55	5.04	4.81	0.05
21.00	4.89	4.65	0.06	23.60	5.05	4.81	0.05
21.05	4.89	4.66	0.06	23.65	5.05	4.81	0.05
21.10	4.90	4.66	0.06	23.70	5.05	4.82	0.05
21.15	4.90	4.66	0.06	23.75	5.06	4.82	0.05
21.20	4.90	4.67	0.06	23.80	5.06	4.82	0.05
21.25	4.91	4.67	0.06	23.85	5.06	4.82	0.05
21.30	4.91	4.67	0.06	23.90	5.06	4.83	0.05
21.35	4.91	4.68	0.06	23.95	5.07	4.83	0.06
21.40	4.92	4.68	0.06	24.00	**5.07**	**4.83**	0.06
21.45	4.92	4.68	0.06	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.06	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.06	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.06	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.06	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.06	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.06	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.06	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.06	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.06	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.06	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.06	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.06	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.06	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.06	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.06	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.06	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.06	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.06	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.06	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.06	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.06	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.06	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.06	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.06	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.06	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.06	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.06	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.05	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.05	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.05	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.05	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

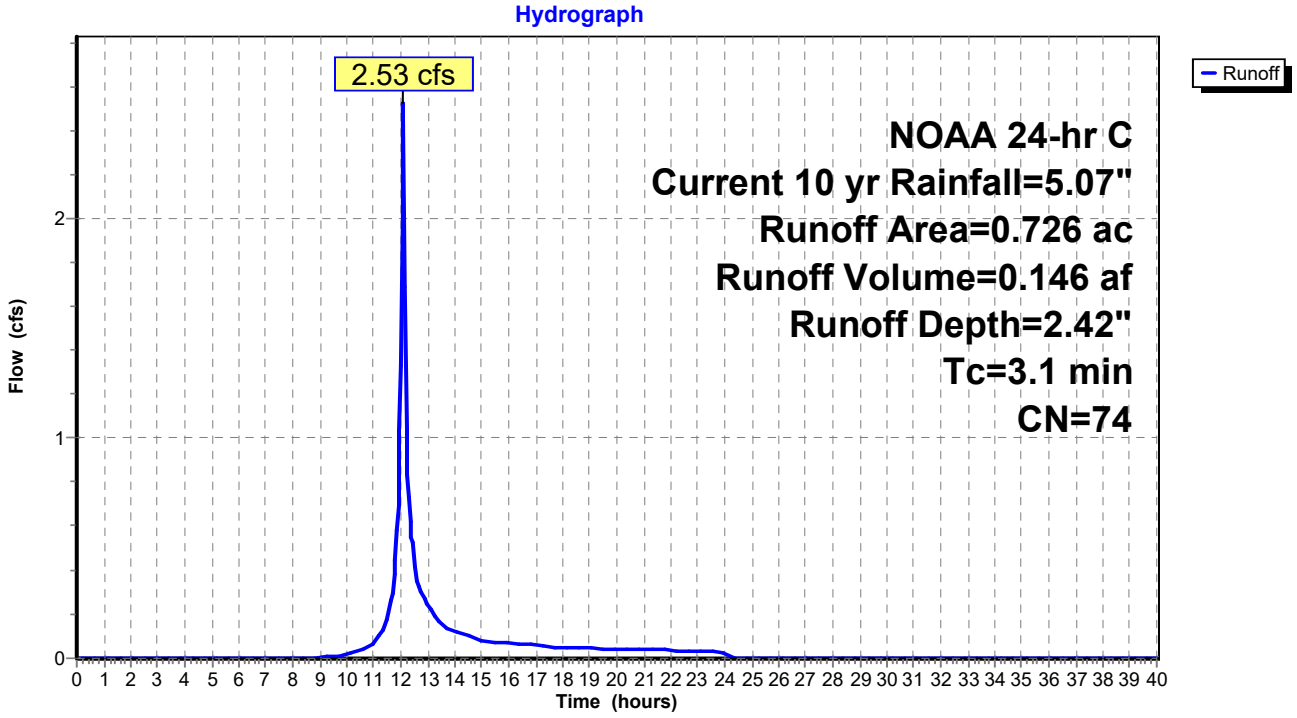
Runoff = 2.53 cfs @ 12.09 hrs, Volume= 0.146 af, Depth= 2.42"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.24
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.22
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.21
10.55	1.06	0.03	0.03	13.15	3.91	1.53	0.20
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.20
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.19
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.18
10.75	1.12	0.04	0.05	13.35	3.98	1.58	0.18
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.17
10.85	1.16	0.05	0.06	13.45	4.01	1.60	0.16
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.15
10.95	1.20	0.06	0.06	13.55	4.04	1.62	0.14
11.00	1.22	0.07	0.07	13.60	4.05	1.63	0.14
11.05	1.24	0.07	0.08	13.65	4.06	1.64	0.14
11.10	1.26	0.08	0.08	13.70	4.08	1.65	0.13
11.15	1.29	0.08	0.09	13.75	4.09	1.66	0.13
11.20	1.31	0.09	0.10	13.80	4.10	1.67	0.13
11.25	1.34	0.10	0.11	13.85	4.11	1.68	0.13
11.30	1.37	0.11	0.12	13.90	4.12	1.69	0.13
11.35	1.40	0.12	0.13	13.95	4.13	1.70	0.12
11.40	1.43	0.13	0.14	14.00	4.15	1.70	0.12
11.45	1.47	0.14	0.15	14.05	4.16	1.71	0.12
11.50	1.50	0.15	0.16	14.10	4.17	1.72	0.12
11.55	1.55	0.16	0.22	14.15	4.18	1.73	0.12
11.60	1.60	0.18	0.26	14.20	4.19	1.74	0.12
11.65	1.65	0.20	0.28	14.25	4.20	1.74	0.11
11.70	1.71	0.22	0.30	14.30	4.21	1.75	0.11
11.75	1.78	0.25	0.38	14.35	4.22	1.76	0.11
11.80	1.86	0.29	0.45	14.40	4.23	1.77	0.11
11.85	1.96	0.33	0.58	14.45	4.24	1.77	0.11
11.90	2.06	0.38	0.69	14.50	4.25	1.78	0.10
11.95	2.24	0.47	1.04	14.55	4.26	1.79	0.10
12.00	2.42	0.56	1.33	14.60	4.27	1.79	0.10
12.05	2.71	0.73	2.00	14.65	4.27	1.80	0.10
12.10	3.01	0.91	**2.52**	14.70	4.28	1.81	0.10
12.15	3.11	0.98	1.69	14.75	4.29	1.81	0.09
12.20	3.21	1.05	1.05	14.80	4.30	1.82	0.09
12.25	3.29	1.10	0.84	14.85	4.31	1.82	0.09
12.30	3.36	1.15	0.73	14.90	4.31	1.83	0.09
12.35	3.42	1.18	0.62	14.95	4.32	1.84	0.08
12.40	3.47	1.22	0.55	15.00	4.33	1.84	0.08
12.45	3.52	1.25	0.53	15.05	4.34	1.85	0.08
12.50	3.57	1.29	0.52	15.10	4.34	1.85	0.08
12.55	3.60	1.31	0.42	15.15	4.35	1.86	0.08
12.60	3.64	1.34	0.35	15.20	4.36	1.86	0.08
12.65	3.67	1.36	0.33	15.25	4.36	1.87	0.08
12.70	3.70	1.38	0.32	15.30	4.37	1.87	0.08
12.75	3.73	1.40	0.31	15.35	4.38	1.88	0.08
12.80	3.76	1.42	0.30	15.40	4.39	1.88	0.08
12.85	3.78	1.44	0.28	15.45	4.39	1.89	0.08
12.90	3.81	1.46	0.27	15.50	4.40	1.89	0.07
12.95	3.83	1.47	0.25	15.55	4.41	1.90	0.07

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.07	18.20	4.68	2.12	0.05
15.65	4.42	1.91	0.07	18.25	4.69	2.12	0.05
15.70	4.42	1.91	0.07	18.30	4.69	2.12	0.05
15.75	4.43	1.92	0.07	18.35	4.70	2.12	0.05
15.80	4.44	1.92	0.07	18.40	4.70	2.13	0.05
15.85	4.44	1.93	0.07	18.45	4.70	2.13	0.05
15.90	4.45	1.93	0.07	18.50	4.71	2.13	0.05
15.95	4.46	1.94	0.07	18.55	4.71	2.14	0.05
16.00	4.46	1.94	0.07	18.60	4.72	2.14	0.05
16.05	4.47	1.95	0.07	18.65	4.72	2.14	0.05
16.10	4.47	1.95	0.07	18.70	4.72	2.15	0.05
16.15	4.48	1.96	0.07	18.75	4.73	2.15	0.04
16.20	4.49	1.96	0.07	18.80	4.73	2.15	0.04
16.25	4.49	1.97	0.07	18.85	4.74	2.16	0.04
16.30	4.50	1.97	0.07	18.90	4.74	2.16	0.04
16.35	4.50	1.98	0.07	18.95	4.74	2.16	0.04
16.40	4.51	1.98	0.07	19.00	4.75	2.16	0.04
16.45	4.52	1.98	0.06	19.05	4.75	2.17	0.04
16.50	4.52	1.99	0.06	19.10	4.76	2.17	0.04
16.55	4.53	1.99	0.06	19.15	4.76	2.17	0.04
16.60	4.53	2.00	0.06	19.20	4.76	2.18	0.04
16.65	4.54	2.00	0.06	19.25	4.77	2.18	0.04
16.70	4.54	2.01	0.06	19.30	4.77	2.18	0.04
16.75	4.55	2.01	0.06	19.35	4.77	2.19	0.04
16.80	4.55	2.01	0.06	19.40	4.78	2.19	0.04
16.85	4.56	2.02	0.06	19.45	4.78	2.19	0.04
16.90	4.57	2.02	0.06	19.50	4.79	2.19	0.04
16.95	4.57	2.03	0.06	19.55	4.79	2.20	0.04
17.00	4.58	2.03	0.06	19.60	4.79	2.20	0.04
17.05	4.58	2.03	0.06	19.65	4.80	2.20	0.04
17.10	4.59	2.04	0.06	19.70	4.80	2.21	0.04
17.15	4.59	2.04	0.06	19.75	4.80	2.21	0.04
17.20	4.60	2.05	0.06	19.80	4.81	2.21	0.04
17.25	4.60	2.05	0.06	19.85	4.81	2.21	0.04
17.30	4.61	2.05	0.06	19.90	4.81	2.22	0.04
17.35	4.61	2.06	0.05	19.95	4.82	2.22	0.04
17.40	4.61	2.06	0.05	20.00	4.82	2.22	0.04
17.45	4.62	2.06	0.05	20.05	4.83	2.23	0.04
17.50	4.62	2.07	0.05	20.10	4.83	2.23	0.04
17.55	4.63	2.07	0.05	20.15	4.83	2.23	0.04
17.60	4.63	2.08	0.05	20.20	4.84	2.23	0.04
17.65	4.64	2.08	0.05	20.25	4.84	2.24	0.04
17.70	4.64	2.08	0.05	20.30	4.84	2.24	0.04
17.75	4.65	2.09	0.05	20.35	4.85	2.24	0.04
17.80	4.65	2.09	0.05	20.40	4.85	2.25	0.04
17.85	4.66	2.09	0.05	20.45	4.85	2.25	0.04
17.90	4.66	2.10	0.05	20.50	4.86	2.25	0.04
17.95	4.66	2.10	0.05	20.55	4.86	2.25	0.04
18.00	4.67	2.10	0.05	20.60	4.86	2.26	0.04
18.05	4.67	2.11	0.05	20.65	4.87	2.26	0.04
18.10	4.68	2.11	0.05	20.70	4.87	2.26	0.04
18.15	4.68	2.11	0.05	20.75	4.87	2.26	0.04

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.04	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.04	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.04	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.04	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.04	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.04	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.04	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.04	23.75	5.06	2.41	0.03
21.20	4.90	2.29	0.04	23.80	5.06	2.41	0.03
21.25	4.91	2.29	0.04	23.85	5.06	2.41	0.03
21.30	4.91	2.29	0.04	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.04	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.04	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.04	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.04	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.04	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.04	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.04	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.04	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.04	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.04	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.04	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.03	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.03	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.03	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.03	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.03	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.03	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.03	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.03	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.03	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.03	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

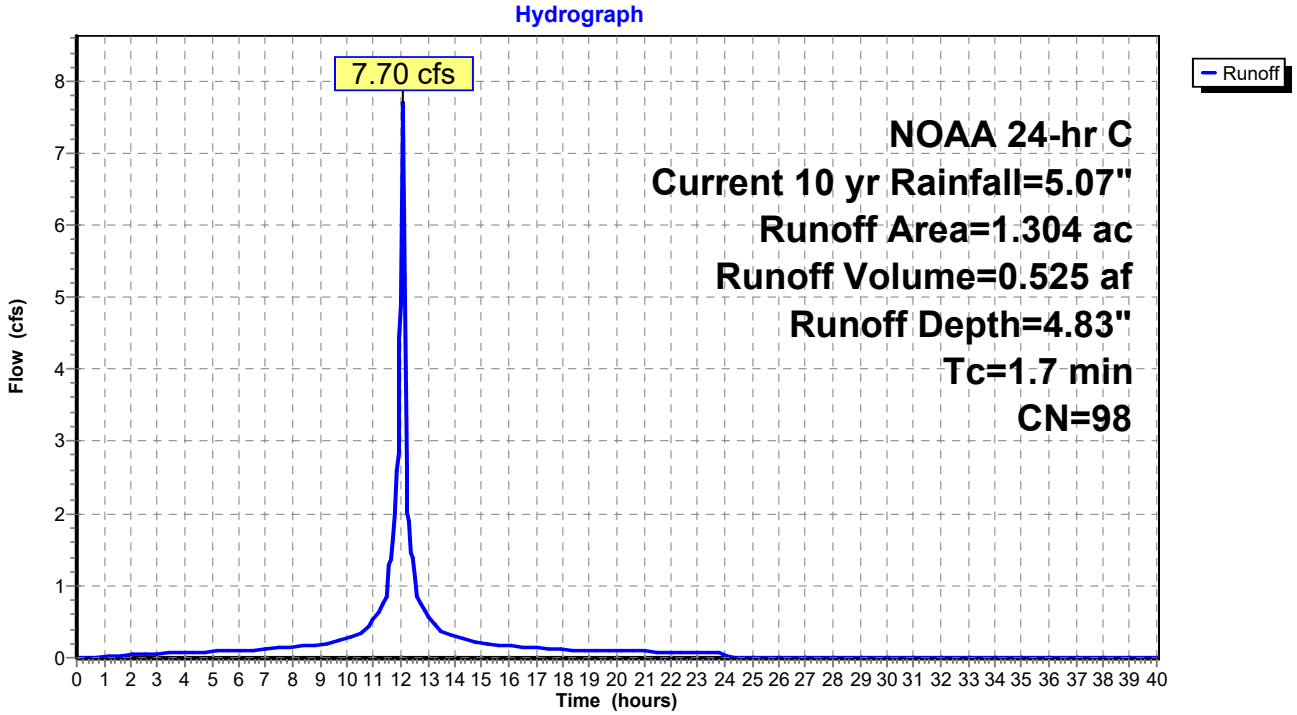
Summary for Subcatchment 11I: PDA-11 (impervious)

Runoff = 7.70 cfs @ 12.07 hrs, Volume= 0.525 af, Depth= 4.83"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.05
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.05
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.05
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.05
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.05
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.05
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.05
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.06
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.06
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.06
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.06
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.06
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.06
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.06
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.06
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.06
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.06
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.06
0.90	0.05	0.00	0.01	3.50	0.21	0.08	0.06
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.06
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.07
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.07
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.07
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.07
1.20	0.07	0.00	0.02	3.80	0.23	0.09	0.07
1.25	0.07	0.00	0.02	3.85	0.24	0.10	0.07
1.30	0.07	0.00	0.02	3.90	0.24	0.10	0.07
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.07
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.07
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.07
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.07
1.55	0.09	0.01	0.03	4.15	0.26	0.11	0.07
1.60	0.09	0.01	0.03	4.20	0.26	0.12	0.07
1.65	0.09	0.01	0.03	4.25	0.27	0.12	0.07
1.70	0.10	0.01	0.03	4.30	0.27	0.12	0.08
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.08
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.08
1.85	0.11	0.02	0.03	4.45	0.28	0.13	0.08
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.08
1.95	0.11	0.02	0.04	4.55	0.29	0.14	0.08
2.00	0.11	0.02	0.04	4.60	0.29	0.14	0.08
2.05	0.12	0.02	0.04	4.65	0.30	0.14	0.08
2.10	0.12	0.02	0.04	4.70	0.30	0.14	0.08
2.15	0.12	0.02	0.04	4.75	0.30	0.15	0.08
2.20	0.13	0.03	0.04	4.80	0.31	0.15	0.08
2.25	0.13	0.03	0.04	4.85	0.31	0.15	0.08
2.30	0.13	0.03	0.04	4.90	0.31	0.16	0.08
2.35	0.14	0.03	0.04	4.95	0.32	0.16	0.08
2.40	0.14	0.03	0.05	5.00	0.32	0.16	0.08
2.45	0.14	0.03	0.05	5.05	0.33	0.17	0.08
2.50	0.15	0.04	0.05	5.10	0.33	0.17	0.08
2.55	0.15	0.04	0.05	5.15	0.33	0.17	0.08

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.08	7.80	0.58	0.39	0.14
5.25	0.34	0.18	0.09	7.85	0.59	0.40	0.15
5.30	0.35	0.18	0.09	7.90	0.60	0.41	0.15
5.35	0.35	0.19	0.09	7.95	0.60	0.41	0.15
5.40	0.35	0.19	0.09	8.00	0.61	0.42	0.15
5.45	0.36	0.19	0.09	8.05	0.61	0.42	0.15
5.50	0.36	0.20	0.09	8.10	0.62	0.43	0.15
5.55	0.37	0.20	0.09	8.15	0.63	0.43	0.15
5.60	0.37	0.20	0.09	8.20	0.63	0.44	0.16
5.65	0.37	0.21	0.09	8.25	0.64	0.45	0.16
5.70	0.38	0.21	0.09	8.30	0.65	0.45	0.16
5.75	0.38	0.21	0.09	8.35	0.65	0.46	0.16
5.80	0.39	0.22	0.09	8.40	0.66	0.46	0.16
5.85	0.39	0.22	0.09	8.45	0.66	0.47	0.16
5.90	0.39	0.22	0.09	8.50	0.67	0.48	0.16
5.95	0.40	0.23	0.09	8.55	0.68	0.48	0.17
6.00	0.40	0.23	0.09	8.60	0.68	0.49	0.17
6.05	0.41	0.23	0.10	8.65	0.69	0.50	0.17
6.10	0.41	0.24	0.10	8.70	0.70	0.50	0.17
6.15	0.41	0.24	0.10	8.75	0.71	0.51	0.17
6.20	0.42	0.25	0.10	8.80	0.71	0.51	0.17
6.25	0.42	0.25	0.10	8.85	0.72	0.52	0.17
6.30	0.43	0.25	0.10	8.90	0.73	0.53	0.17
6.35	0.43	0.26	0.10	8.95	0.73	0.53	0.18
6.40	0.44	0.26	0.10	9.00	0.74	0.54	0.18
6.45	0.44	0.27	0.11	9.05	0.75	0.55	0.19
6.50	0.45	0.27	0.11	9.10	0.76	0.56	0.19
6.55	0.45	0.27	0.11	9.15	0.76	0.56	0.20
6.60	0.46	0.28	0.11	9.20	0.77	0.57	0.20
6.65	0.46	0.28	0.11	9.25	0.78	0.58	0.21
6.70	0.46	0.29	0.11	9.30	0.79	0.59	0.21
6.75	0.47	0.29	0.11	9.35	0.80	0.59	0.22
6.80	0.47	0.29	0.12	9.40	0.80	0.60	0.22
6.85	0.48	0.30	0.12	9.45	0.81	0.61	0.23
6.90	0.48	0.30	0.12	9.50	0.82	0.62	0.23
6.95	0.49	0.31	0.12	9.55	0.83	0.63	0.24
7.00	0.49	0.31	0.12	9.60	0.84	0.64	0.24
7.05	0.50	0.32	0.12	9.65	0.85	0.65	0.25
7.10	0.50	0.32	0.12	9.70	0.86	0.66	0.25
7.15	0.51	0.33	0.13	9.75	0.87	0.67	0.26
7.20	0.52	0.33	0.13	9.80	0.88	0.68	0.26
7.25	0.52	0.34	0.13	9.85	0.89	0.69	0.27
7.30	0.53	0.34	0.13	9.90	0.90	0.70	0.27
7.35	0.53	0.35	0.13	9.95	0.91	0.71	0.28
7.40	0.54	0.35	0.13	10.00	0.92	0.72	0.28
7.45	0.54	0.36	0.13	10.05	0.94	0.73	0.29
7.50	0.55	0.36	0.14	10.10	0.95	0.74	0.29
7.55	0.55	0.37	0.14	10.15	0.96	0.75	0.30
7.60	0.56	0.37	0.14	10.20	0.97	0.76	0.30
7.65	0.57	0.38	0.14	10.25	0.98	0.77	0.31
7.70	0.57	0.38	0.14	10.30	0.99	0.79	0.31
7.75	0.58	0.39	0.14	10.35	1.01	0.80	0.32

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.32	13.00	3.85	3.62	0.59
10.45	1.03	0.82	0.33	13.05	3.87	3.64	0.53
10.50	1.04	0.83	0.33	13.10	3.89	3.66	0.52
10.55	1.06	0.85	0.36	13.15	3.91	3.68	0.49
10.60	1.07	0.86	0.37	13.20	3.93	3.70	0.49
10.65	1.09	0.88	0.40	13.25	3.95	3.71	0.45
10.70	1.10	0.89	0.41	13.30	3.97	3.73	0.45
10.75	1.12	0.91	0.44	13.35	3.98	3.75	0.42
10.80	1.14	0.93	0.44	13.40	4.00	3.76	0.41
10.85	1.16	0.94	0.47	13.45	4.01	3.78	0.38
10.90	1.18	0.96	0.48	13.50	4.03	3.79	0.37
10.95	1.20	0.98	0.51	13.55	4.04	3.80	0.34
11.00	1.22	1.00	0.52	13.60	4.05	3.82	0.34
11.05	1.24	1.02	0.58	13.65	4.06	3.83	0.33
11.10	1.26	1.05	0.59	13.70	4.08	3.84	0.33
11.15	1.29	1.07	0.65	13.75	4.09	3.85	0.32
11.20	1.31	1.10	0.66	13.80	4.10	3.86	0.32
11.25	1.34	1.12	0.72	13.85	4.11	3.88	0.31
11.30	1.37	1.15	0.74	13.90	4.12	3.89	0.31
11.35	1.40	1.18	0.79	13.95	4.13	3.90	0.30
11.40	1.43	1.21	0.81	14.00	4.15	3.91	0.30
11.45	1.47	1.25	0.85	14.05	4.16	3.92	0.29
11.50	1.50	1.28	0.89	14.10	4.17	3.93	0.29
11.55	1.55	1.33	1.28	14.15	4.18	3.94	0.28
11.60	1.60	1.38	1.33	14.20	4.19	3.95	0.28
11.65	1.65	1.43	1.39	14.25	4.20	3.96	0.27
11.70	1.71	1.49	1.44	14.30	4.21	3.97	0.27
11.75	1.78	1.56	1.87	14.35	4.22	3.98	0.26
11.80	1.86	1.63	1.98	14.40	4.23	3.99	0.26
11.85	1.96	1.73	2.60	14.45	4.24	4.00	0.25
11.90	2.06	1.84	2.83	14.50	4.25	4.01	0.25
11.95	2.24	2.01	4.42	14.55	4.26	4.02	0.24
12.00	2.42	2.19	4.88	14.60	4.27	4.03	0.24
12.05	2.71	2.48	**7.41**	14.65	4.27	4.04	0.23
12.10	3.01	2.78	7.34	14.70	4.28	4.05	0.23
12.15	3.11	2.88	3.22	14.75	4.29	4.06	0.22
12.20	3.21	2.98	2.63	14.80	4.30	4.06	0.22
12.25	3.29	3.05	2.02	14.85	4.31	4.07	0.21
12.30	3.36	3.13	1.90	14.90	4.31	4.08	0.21
12.35	3.42	3.18	1.47	14.95	4.32	4.09	0.20
12.40	3.47	3.24	1.41	15.00	4.33	4.09	0.20
12.45	3.52	3.29	1.35	15.05	4.34	4.10	0.19
12.50	3.57	3.34	1.31	15.10	4.34	4.11	0.19
12.55	3.60	3.37	0.92	15.15	4.35	4.12	0.18
12.60	3.64	3.40	0.86	15.20	4.36	4.12	0.18
12.65	3.67	3.43	0.82	15.25	4.36	4.13	0.18
12.70	3.70	3.47	0.81	15.30	4.37	4.14	0.18
12.75	3.73	3.49	0.75	15.35	4.38	4.14	0.18
12.80	3.76	3.52	0.74	15.40	4.39	4.15	0.18
12.85	3.78	3.55	0.68	15.45	4.39	4.16	0.18
12.90	3.81	3.57	0.66	15.50	4.40	4.16	0.18
12.95	3.83	3.60	0.61	15.55	4.41	4.17	0.17

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.17	18.20	4.68	4.45	0.11
15.65	4.42	4.18	0.17	18.25	4.69	4.45	0.11
15.70	4.42	4.19	0.17	18.30	4.69	4.46	0.11
15.75	4.43	4.20	0.17	18.35	4.70	4.46	0.11
15.80	4.44	4.20	0.17	18.40	4.70	4.46	0.11
15.85	4.44	4.21	0.17	18.45	4.70	4.47	0.10
15.90	4.45	4.21	0.17	18.50	4.71	4.47	0.10
15.95	4.46	4.22	0.16	18.55	4.71	4.48	0.10
16.00	4.46	4.23	0.16	18.60	4.72	4.48	0.10
16.05	4.47	4.23	0.16	18.65	4.72	4.48	0.10
16.10	4.47	4.24	0.16	18.70	4.72	4.49	0.10
16.15	4.48	4.24	0.16	18.75	4.73	4.49	0.10
16.20	4.49	4.25	0.16	18.80	4.73	4.50	0.10
16.25	4.49	4.26	0.15	18.85	4.74	4.50	0.10
16.30	4.50	4.26	0.15	18.90	4.74	4.50	0.10
16.35	4.50	4.27	0.15	18.95	4.74	4.51	0.10
16.40	4.51	4.27	0.15	19.00	4.75	4.51	0.10
16.45	4.52	4.28	0.15	19.05	4.75	4.51	0.10
16.50	4.52	4.29	0.15	19.10	4.76	4.52	0.10
16.55	4.53	4.29	0.15	19.15	4.76	4.52	0.10
16.60	4.53	4.30	0.15	19.20	4.76	4.53	0.10
16.65	4.54	4.30	0.14	19.25	4.77	4.53	0.10
16.70	4.54	4.31	0.14	19.30	4.77	4.53	0.10
16.75	4.55	4.31	0.14	19.35	4.77	4.54	0.10
16.80	4.55	4.32	0.14	19.40	4.78	4.54	0.10
16.85	4.56	4.32	0.14	19.45	4.78	4.55	0.10
16.90	4.57	4.33	0.14	19.50	4.79	4.55	0.10
16.95	4.57	4.33	0.14	19.55	4.79	4.55	0.10
17.00	4.58	4.34	0.14	19.60	4.79	4.56	0.10
17.05	4.58	4.34	0.13	19.65	4.80	4.56	0.10
17.10	4.59	4.35	0.13	19.70	4.80	4.56	0.10
17.15	4.59	4.35	0.13	19.75	4.80	4.57	0.10
17.20	4.60	4.36	0.13	19.80	4.81	4.57	0.10
17.25	4.60	4.36	0.13	19.85	4.81	4.57	0.10
17.30	4.61	4.37	0.13	19.90	4.81	4.58	0.10
17.35	4.61	4.37	0.13	19.95	4.82	4.58	0.09
17.40	4.61	4.38	0.13	20.00	4.82	4.59	0.09
17.45	4.62	4.38	0.12	20.05	4.83	4.59	0.09
17.50	4.62	4.39	0.12	20.10	4.83	4.59	0.09
17.55	4.63	4.39	0.12	20.15	4.83	4.60	0.09
17.60	4.63	4.40	0.12	20.20	4.84	4.60	0.09
17.65	4.64	4.40	0.12	20.25	4.84	4.60	0.09
17.70	4.64	4.41	0.12	20.30	4.84	4.61	0.09
17.75	4.65	4.41	0.12	20.35	4.85	4.61	0.09
17.80	4.65	4.42	0.11	20.40	4.85	4.61	0.09
17.85	4.66	4.42	0.11	20.45	4.85	4.62	0.09
17.90	4.66	4.42	0.11	20.50	4.86	4.62	0.09
17.95	4.66	4.43	0.11	20.55	4.86	4.62	0.09
18.00	4.67	4.43	0.11	20.60	4.86	4.63	0.09
18.05	4.67	4.44	0.11	20.65	4.87	4.63	0.09
18.10	4.68	4.44	0.11	20.70	4.87	4.63	0.09
18.15	4.68	4.44	0.11	20.75	4.87	4.64	0.09

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.09	23.40	5.04	4.80	0.07
20.85	4.88	4.64	0.09	23.45	5.04	4.80	0.07
20.90	4.88	4.65	0.09	23.50	5.04	4.81	0.07
20.95	4.89	4.65	0.09	23.55	5.04	4.81	0.07
21.00	4.89	4.65	0.09	23.60	5.05	4.81	0.07
21.05	4.89	4.66	0.09	23.65	5.05	4.81	0.07
21.10	4.90	4.66	0.09	23.70	5.05	4.82	0.07
21.15	4.90	4.66	0.09	23.75	5.06	4.82	0.07
21.20	4.90	4.67	0.09	23.80	5.06	4.82	0.07
21.25	4.91	4.67	0.09	23.85	5.06	4.82	0.07
21.30	4.91	4.67	0.09	23.90	5.06	4.83	0.07
21.35	4.91	4.68	0.09	23.95	5.07	4.83	0.08
21.40	4.92	4.68	0.09	24.00	**5.07**	**4.83**	0.08
21.45	4.92	4.68	0.08	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.08	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.08	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.08	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.08	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.08	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.08	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.08	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.08	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.08	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.08	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.08	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.08	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.08	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.08	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.08	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.08	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.08	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.08	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.08	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.08	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.08	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.08	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.08	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.08	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.08	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.08	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.08	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.08	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.08	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.08	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.08	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.07	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.07	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.07	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.07	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.07	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.07	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.07	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

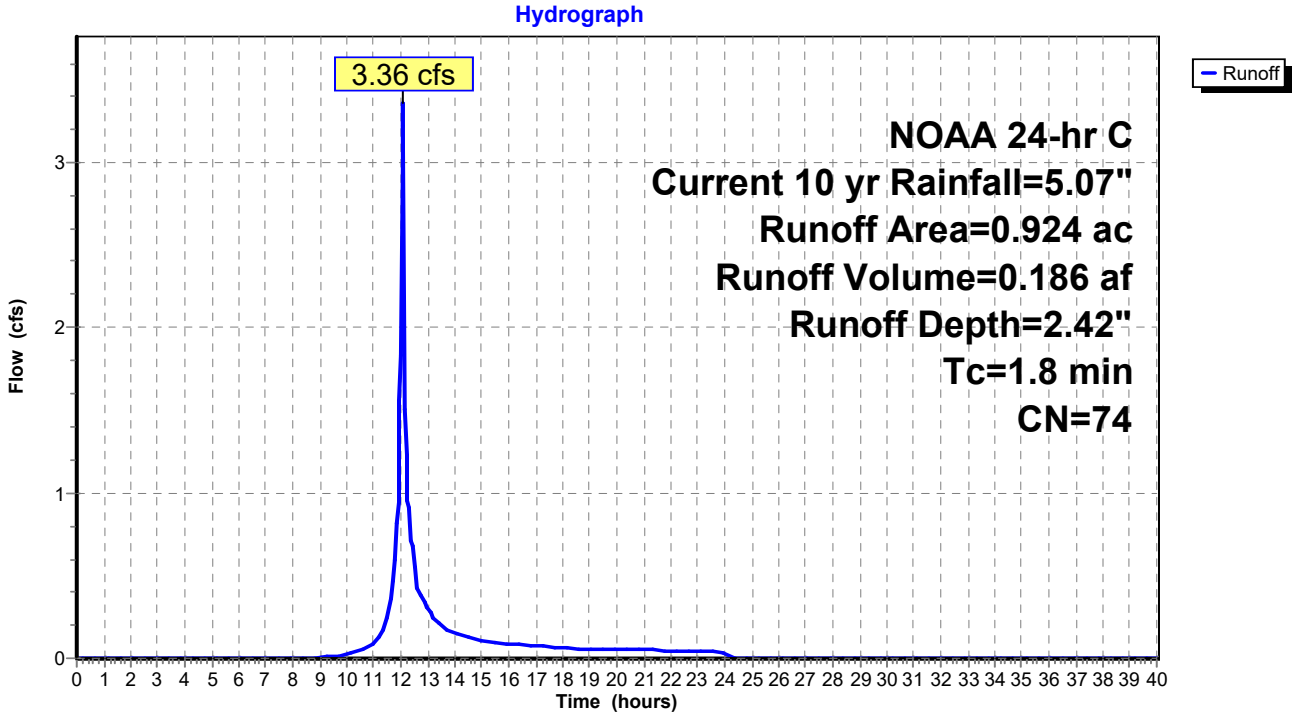
Runoff = 3.36 cfs @ 12.08 hrs, Volume= 0.186 af, Depth= 2.42"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.30
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.28
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.27
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.25
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.25
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.24
10.70	1.10	0.04	0.06	13.30	3.97	1.57	0.23
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.22
10.80	1.14	0.05	0.07	13.40	4.00	1.59	0.21
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.20
10.90	1.18	0.06	0.08	13.50	4.03	1.61	0.19
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.18
11.00	1.22	0.07	0.09	13.60	4.05	1.63	0.18
11.05	1.24	0.07	0.10	13.65	4.06	1.64	0.17
11.10	1.26	0.08	0.11	13.70	4.08	1.65	0.17
11.15	1.29	0.08	0.12	13.75	4.09	1.66	0.17
11.20	1.31	0.09	0.13	13.80	4.10	1.67	0.17
11.25	1.34	0.10	0.15	13.85	4.11	1.68	0.16
11.30	1.37	0.11	0.15	13.90	4.12	1.69	0.16
11.35	1.40	0.12	0.17	13.95	4.13	1.70	0.16
11.40	1.43	0.13	0.18	14.00	4.15	1.70	0.16
11.45	1.47	0.14	0.20	14.05	4.16	1.71	0.15
11.50	1.50	0.15	0.21	14.10	4.17	1.72	0.15
11.55	1.55	0.16	0.31	14.15	4.18	1.73	0.15
11.60	1.60	0.18	0.34	14.20	4.19	1.74	0.15
11.65	1.65	0.20	0.37	14.25	4.20	1.74	0.14
11.70	1.71	0.22	0.40	14.30	4.21	1.75	0.14
11.75	1.78	0.25	0.54	14.35	4.22	1.76	0.14
11.80	1.86	0.29	0.60	14.40	4.23	1.77	0.14
11.85	1.96	0.33	0.82	14.45	4.24	1.77	0.13
11.90	2.06	0.38	0.94	14.50	4.25	1.78	0.13
11.95	2.24	0.47	1.56	14.55	4.26	1.79	0.13
12.00	2.42	0.56	1.84	14.60	4.27	1.79	0.13
12.05	2.71	0.73	2.99	14.65	4.27	1.80	0.12
12.10	3.01	0.91	**3.22**	14.70	4.28	1.81	0.12
12.15	3.11	0.98	1.51	14.75	4.29	1.81	0.12
12.20	3.21	1.05	1.23	14.80	4.30	1.82	0.12
12.25	3.29	1.10	0.96	14.85	4.31	1.82	0.11
12.30	3.36	1.15	0.91	14.90	4.31	1.83	0.11
12.35	3.42	1.18	0.71	14.95	4.32	1.84	0.11
12.40	3.47	1.22	0.69	15.00	4.33	1.84	0.11
12.45	3.52	1.25	0.66	15.05	4.34	1.85	0.10
12.50	3.57	1.29	0.65	15.10	4.34	1.85	0.10
12.55	3.60	1.31	0.46	15.15	4.35	1.86	0.10
12.60	3.64	1.34	0.43	15.20	4.36	1.86	0.10
12.65	3.67	1.36	0.41	15.25	4.36	1.87	0.10
12.70	3.70	1.38	0.41	15.30	4.37	1.87	0.10
12.75	3.73	1.40	0.38	15.35	4.38	1.88	0.10
12.80	3.76	1.42	0.37	15.40	4.39	1.88	0.10
12.85	3.78	1.44	0.34	15.45	4.39	1.89	0.10
12.90	3.81	1.46	0.34	15.50	4.40	1.89	0.09
12.95	3.83	1.47	0.31	15.55	4.41	1.90	0.09

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.09	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.09	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.09	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.09	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.09	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.09	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.09	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.09	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.09	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.08	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.08	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.08	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.08	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.08	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.08	19.35	4.77	2.19	0.05
16.80	4.55	2.01	0.08	19.40	4.78	2.19	0.05
16.85	4.56	2.02	0.08	19.45	4.78	2.19	0.05
16.90	4.57	2.02	0.08	19.50	4.79	2.19	0.05
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.05
17.00	4.58	2.03	0.07	19.60	4.79	2.20	0.05
17.05	4.58	2.03	0.07	19.65	4.80	2.20	0.05
17.10	4.59	2.04	0.07	19.70	4.80	2.21	0.05
17.15	4.59	2.04	0.07	19.75	4.80	2.21	0.05
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.05
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.05
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.05
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.06	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.06	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.06	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.06	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.01
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.04	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.04	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.04	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

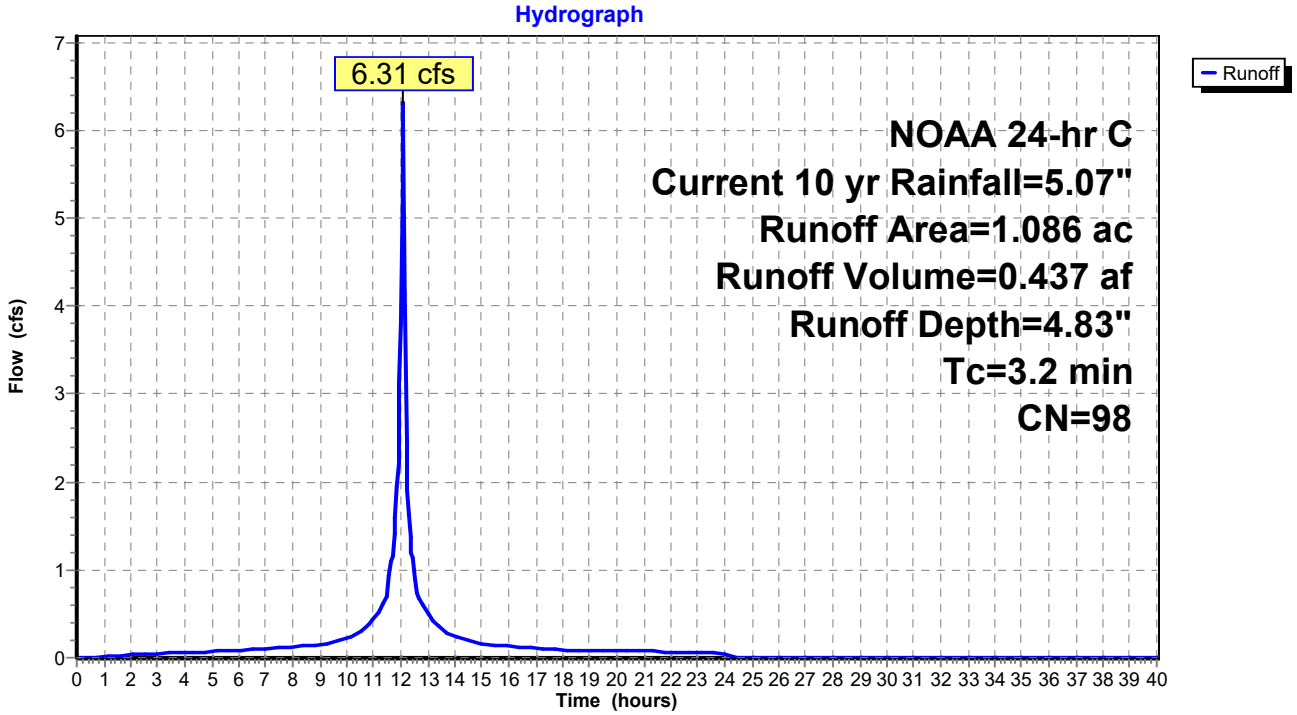
Runoff = 6.31 cfs @ 12.09 hrs, Volume= 0.437 af, Depth= 4.83"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.04
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.04
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.04
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.04
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.04
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.04
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.05
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.05
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.05
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.05
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.05
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.05
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.05
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.05
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.05
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.05
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.05
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.05
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.05
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.05
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.05
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.06
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.06
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.06
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.06
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.06
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.06
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.06
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.06
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.06
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.06
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.06
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.06
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.06
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.06
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.06
1.85	0.11	0.02	0.03	4.45	0.28	0.13	0.06
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.06
1.95	0.11	0.02	0.03	4.55	0.29	0.14	0.06
2.00	0.11	0.02	0.03	4.60	0.29	0.14	0.06
2.05	0.12	0.02	0.03	4.65	0.30	0.14	0.07
2.10	0.12	0.02	0.03	4.70	0.30	0.14	0.07
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.07
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.07
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.07
2.30	0.13	0.03	0.04	4.90	0.31	0.16	0.07
2.35	0.14	0.03	0.04	4.95	0.32	0.16	0.07
2.40	0.14	0.03	0.04	5.00	0.32	0.16	0.07
2.45	0.14	0.03	0.04	5.05	0.33	0.17	0.07
2.50	0.15	0.04	0.04	5.10	0.33	0.17	0.07
2.55	0.15	0.04	0.04	5.15	0.33	0.17	0.07

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.07	7.80	0.58	0.39	0.12
5.25	0.34	0.18	0.07	7.85	0.59	0.40	0.12
5.30	0.35	0.18	0.07	7.90	0.60	0.41	0.12
5.35	0.35	0.19	0.07	7.95	0.60	0.41	0.12
5.40	0.35	0.19	0.07	8.00	0.61	0.42	0.12
5.45	0.36	0.19	0.07	8.05	0.61	0.42	0.13
5.50	0.36	0.20	0.07	8.10	0.62	0.43	0.13
5.55	0.37	0.20	0.07	8.15	0.63	0.43	0.13
5.60	0.37	0.20	0.07	8.20	0.63	0.44	0.13
5.65	0.37	0.21	0.07	8.25	0.64	0.45	0.13
5.70	0.38	0.21	0.08	8.30	0.65	0.45	0.13
5.75	0.38	0.21	0.08	8.35	0.65	0.46	0.13
5.80	0.39	0.22	0.08	8.40	0.66	0.46	0.13
5.85	0.39	0.22	0.08	8.45	0.66	0.47	0.13
5.90	0.39	0.22	0.08	8.50	0.67	0.48	0.14
5.95	0.40	0.23	0.08	8.55	0.68	0.48	0.14
6.00	0.40	0.23	0.08	8.60	0.68	0.49	0.14
6.05	0.41	0.23	0.08	8.65	0.69	0.50	0.14
6.10	0.41	0.24	0.08	8.70	0.70	0.50	0.14
6.15	0.41	0.24	0.08	8.75	0.71	0.51	0.14
6.20	0.42	0.25	0.08	8.80	0.71	0.51	0.14
6.25	0.42	0.25	0.08	8.85	0.72	0.52	0.14
6.30	0.43	0.25	0.08	8.90	0.73	0.53	0.14
6.35	0.43	0.26	0.09	8.95	0.73	0.53	0.15
6.40	0.44	0.26	0.09	9.00	0.74	0.54	0.15
6.45	0.44	0.27	0.09	9.05	0.75	0.55	0.15
6.50	0.45	0.27	0.09	9.10	0.76	0.56	0.16
6.55	0.45	0.27	0.09	9.15	0.76	0.56	0.16
6.60	0.46	0.28	0.09	9.20	0.77	0.57	0.16
6.65	0.46	0.28	0.09	9.25	0.78	0.58	0.17
6.70	0.46	0.29	0.09	9.30	0.79	0.59	0.17
6.75	0.47	0.29	0.09	9.35	0.80	0.59	0.18
6.80	0.47	0.29	0.10	9.40	0.80	0.60	0.18
6.85	0.48	0.30	0.10	9.45	0.81	0.61	0.18
6.90	0.48	0.30	0.10	9.50	0.82	0.62	0.19
6.95	0.49	0.31	0.10	9.55	0.83	0.63	0.19
7.00	0.49	0.31	0.10	9.60	0.84	0.64	0.20
7.05	0.50	0.32	0.10	9.65	0.85	0.65	0.20
7.10	0.50	0.32	0.10	9.70	0.86	0.66	0.20
7.15	0.51	0.33	0.10	9.75	0.87	0.67	0.21
7.20	0.52	0.33	0.11	9.80	0.88	0.68	0.21
7.25	0.52	0.34	0.11	9.85	0.89	0.69	0.22
7.30	0.53	0.34	0.11	9.90	0.90	0.70	0.22
7.35	0.53	0.35	0.11	9.95	0.91	0.71	0.23
7.40	0.54	0.35	0.11	10.00	0.92	0.72	0.23
7.45	0.54	0.36	0.11	10.05	0.94	0.73	0.23
7.50	0.55	0.36	0.11	10.10	0.95	0.74	0.24
7.55	0.55	0.37	0.11	10.15	0.96	0.75	0.24
7.60	0.56	0.37	0.11	10.20	0.97	0.76	0.25
7.65	0.57	0.38	0.12	10.25	0.98	0.77	0.25
7.70	0.57	0.38	0.12	10.30	0.99	0.79	0.26
7.75	0.58	0.39	0.12	10.35	1.01	0.80	0.26

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.26	13.00	3.85	3.62	0.50
10.45	1.03	0.82	0.27	13.05	3.87	3.64	0.47
10.50	1.04	0.83	0.27	13.10	3.89	3.66	0.44
10.55	1.06	0.85	0.29	13.15	3.91	3.68	0.42
10.60	1.07	0.86	0.30	13.20	3.93	3.70	0.41
10.65	1.09	0.88	0.32	13.25	3.95	3.71	0.39
10.70	1.10	0.89	0.33	13.30	3.97	3.73	0.38
10.75	1.12	0.91	0.35	13.35	3.98	3.75	0.36
10.80	1.14	0.93	0.37	13.40	4.00	3.76	0.34
10.85	1.16	0.94	0.38	13.45	4.01	3.78	0.33
10.90	1.18	0.96	0.40	13.50	4.03	3.79	0.31
10.95	1.20	0.98	0.42	13.55	4.04	3.80	0.29
11.00	1.22	1.00	0.43	13.60	4.05	3.82	0.28
11.05	1.24	1.02	0.46	13.65	4.06	3.83	0.28
11.10	1.26	1.05	0.49	13.70	4.08	3.84	0.27
11.15	1.29	1.07	0.52	13.75	4.09	3.85	0.27
11.20	1.31	1.10	0.55	13.80	4.10	3.86	0.26
11.25	1.34	1.12	0.58	13.85	4.11	3.88	0.26
11.30	1.37	1.15	0.61	13.90	4.12	3.89	0.26
11.35	1.40	1.18	0.64	13.95	4.13	3.90	0.25
11.40	1.43	1.21	0.67	14.00	4.15	3.91	0.25
11.45	1.47	1.25	0.69	14.05	4.16	3.92	0.24
11.50	1.50	1.28	0.72	14.10	4.17	3.93	0.24
11.55	1.55	1.33	0.93	14.15	4.18	3.94	0.23
11.60	1.60	1.38	1.09	14.20	4.19	3.95	0.23
11.65	1.65	1.43	1.14	14.25	4.20	3.96	0.23
11.70	1.71	1.49	1.17	14.30	4.21	3.97	0.22
11.75	1.78	1.56	1.41	14.35	4.22	3.98	0.22
11.80	1.86	1.63	1.59	14.40	4.23	3.99	0.21
11.85	1.96	1.73	1.95	14.45	4.24	4.00	0.21
11.90	2.06	1.84	2.22	14.50	4.25	4.01	0.21
11.95	2.24	2.01	3.12	14.55	4.26	4.02	0.20
12.00	2.42	2.19	3.81	14.60	4.27	4.03	0.20
12.05	2.71	2.48	5.27	14.65	4.27	4.04	0.19
12.10	3.01	2.78	**6.26**	14.70	4.28	4.05	0.19
12.15	3.11	2.88	4.12	14.75	4.29	4.06	0.18
12.20	3.21	2.98	2.44	14.80	4.30	4.06	0.18
12.25	3.29	3.05	1.91	14.85	4.31	4.07	0.18
12.30	3.36	3.13	1.64	14.90	4.31	4.08	0.17
12.35	3.42	3.18	1.38	14.95	4.32	4.09	0.17
12.40	3.47	3.24	1.20	15.00	4.33	4.09	0.16
12.45	3.52	3.29	1.15	15.05	4.34	4.10	0.16
12.50	3.57	3.34	1.12	15.10	4.34	4.11	0.16
12.55	3.60	3.37	0.90	15.15	4.35	4.12	0.15
12.60	3.64	3.40	0.74	15.20	4.36	4.12	0.15
12.65	3.67	3.43	0.70	15.25	4.36	4.13	0.15
12.70	3.70	3.47	0.68	15.30	4.37	4.14	0.15
12.75	3.73	3.49	0.64	15.35	4.38	4.14	0.15
12.80	3.76	3.52	0.62	15.40	4.39	4.15	0.15
12.85	3.78	3.55	0.58	15.45	4.39	4.16	0.15
12.90	3.81	3.57	0.56	15.50	4.40	4.16	0.15
12.95	3.83	3.60	0.53	15.55	4.41	4.17	0.15

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.14	18.20	4.68	4.45	0.09
15.65	4.42	4.18	0.14	18.25	4.69	4.45	0.09
15.70	4.42	4.19	0.14	18.30	4.69	4.46	0.09
15.75	4.43	4.20	0.14	18.35	4.70	4.46	0.09
15.80	4.44	4.20	0.14	18.40	4.70	4.46	0.09
15.85	4.44	4.21	0.14	18.45	4.70	4.47	0.09
15.90	4.45	4.21	0.14	18.50	4.71	4.47	0.09
15.95	4.46	4.22	0.14	18.55	4.71	4.48	0.09
16.00	4.46	4.23	0.14	18.60	4.72	4.48	0.09
16.05	4.47	4.23	0.13	18.65	4.72	4.48	0.09
16.10	4.47	4.24	0.13	18.70	4.72	4.49	0.09
16.15	4.48	4.24	0.13	18.75	4.73	4.49	0.09
16.20	4.49	4.25	0.13	18.80	4.73	4.50	0.09
16.25	4.49	4.26	0.13	18.85	4.74	4.50	0.09
16.30	4.50	4.26	0.13	18.90	4.74	4.50	0.08
16.35	4.50	4.27	0.13	18.95	4.74	4.51	0.08
16.40	4.51	4.27	0.13	19.00	4.75	4.51	0.08
16.45	4.52	4.28	0.13	19.05	4.75	4.51	0.08
16.50	4.52	4.29	0.12	19.10	4.76	4.52	0.08
16.55	4.53	4.29	0.12	19.15	4.76	4.52	0.08
16.60	4.53	4.30	0.12	19.20	4.76	4.53	0.08
16.65	4.54	4.30	0.12	19.25	4.77	4.53	0.08
16.70	4.54	4.31	0.12	19.30	4.77	4.53	0.08
16.75	4.55	4.31	0.12	19.35	4.77	4.54	0.08
16.80	4.55	4.32	0.12	19.40	4.78	4.54	0.08
16.85	4.56	4.32	0.12	19.45	4.78	4.55	0.08
16.90	4.57	4.33	0.12	19.50	4.79	4.55	0.08
16.95	4.57	4.33	0.11	19.55	4.79	4.55	0.08
17.00	4.58	4.34	0.11	19.60	4.79	4.56	0.08
17.05	4.58	4.34	0.11	19.65	4.80	4.56	0.08
17.10	4.59	4.35	0.11	19.70	4.80	4.56	0.08
17.15	4.59	4.35	0.11	19.75	4.80	4.57	0.08
17.20	4.60	4.36	0.11	19.80	4.81	4.57	0.08
17.25	4.60	4.36	0.11	19.85	4.81	4.57	0.08
17.30	4.61	4.37	0.11	19.90	4.81	4.58	0.08
17.35	4.61	4.37	0.11	19.95	4.82	4.58	0.08
17.40	4.61	4.38	0.10	20.00	4.82	4.59	0.08
17.45	4.62	4.38	0.10	20.05	4.83	4.59	0.08
17.50	4.62	4.39	0.10	20.10	4.83	4.59	0.08
17.55	4.63	4.39	0.10	20.15	4.83	4.60	0.08
17.60	4.63	4.40	0.10	20.20	4.84	4.60	0.08
17.65	4.64	4.40	0.10	20.25	4.84	4.60	0.08
17.70	4.64	4.41	0.10	20.30	4.84	4.61	0.08
17.75	4.65	4.41	0.10	20.35	4.85	4.61	0.08
17.80	4.65	4.42	0.10	20.40	4.85	4.61	0.08
17.85	4.66	4.42	0.09	20.45	4.85	4.62	0.08
17.90	4.66	4.42	0.09	20.50	4.86	4.62	0.08
17.95	4.66	4.43	0.09	20.55	4.86	4.62	0.08
18.00	4.67	4.43	0.09	20.60	4.86	4.63	0.08
18.05	4.67	4.44	0.09	20.65	4.87	4.63	0.08
18.10	4.68	4.44	0.09	20.70	4.87	4.63	0.07
18.15	4.68	4.44	0.09	20.75	4.87	4.64	0.07

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.07	23.40	5.04	4.80	0.06
20.85	4.88	4.64	0.07	23.45	5.04	4.80	0.06
20.90	4.88	4.65	0.07	23.50	5.04	4.81	0.06
20.95	4.89	4.65	0.07	23.55	5.04	4.81	0.06
21.00	4.89	4.65	0.07	23.60	5.05	4.81	0.06
21.05	4.89	4.66	0.07	23.65	5.05	4.81	0.06
21.10	4.90	4.66	0.07	23.70	5.05	4.82	0.06
21.15	4.90	4.66	0.07	23.75	5.06	4.82	0.06
21.20	4.90	4.67	0.07	23.80	5.06	4.82	0.06
21.25	4.91	4.67	0.07	23.85	5.06	4.82	0.06
21.30	4.91	4.67	0.07	23.90	5.06	4.83	0.06
21.35	4.91	4.68	0.07	23.95	5.07	4.83	0.06
21.40	4.92	4.68	0.07	24.00	**5.07**	**4.83**	0.07
21.45	4.92	4.68	0.07	24.05	5.07	4.83	0.03
21.50	4.92	4.69	0.07	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.07	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.07	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.07	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.07	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.07	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.07	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.07	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.07	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.07	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.07	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.07	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.07	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.07	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.07	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.07	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.07	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.07	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.07	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.07	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.06	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.06	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.06	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.06	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.06	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.06	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.06	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.06	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.06	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.06	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.06	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.06	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.06	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.06	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.06	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.06	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.06	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.06	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

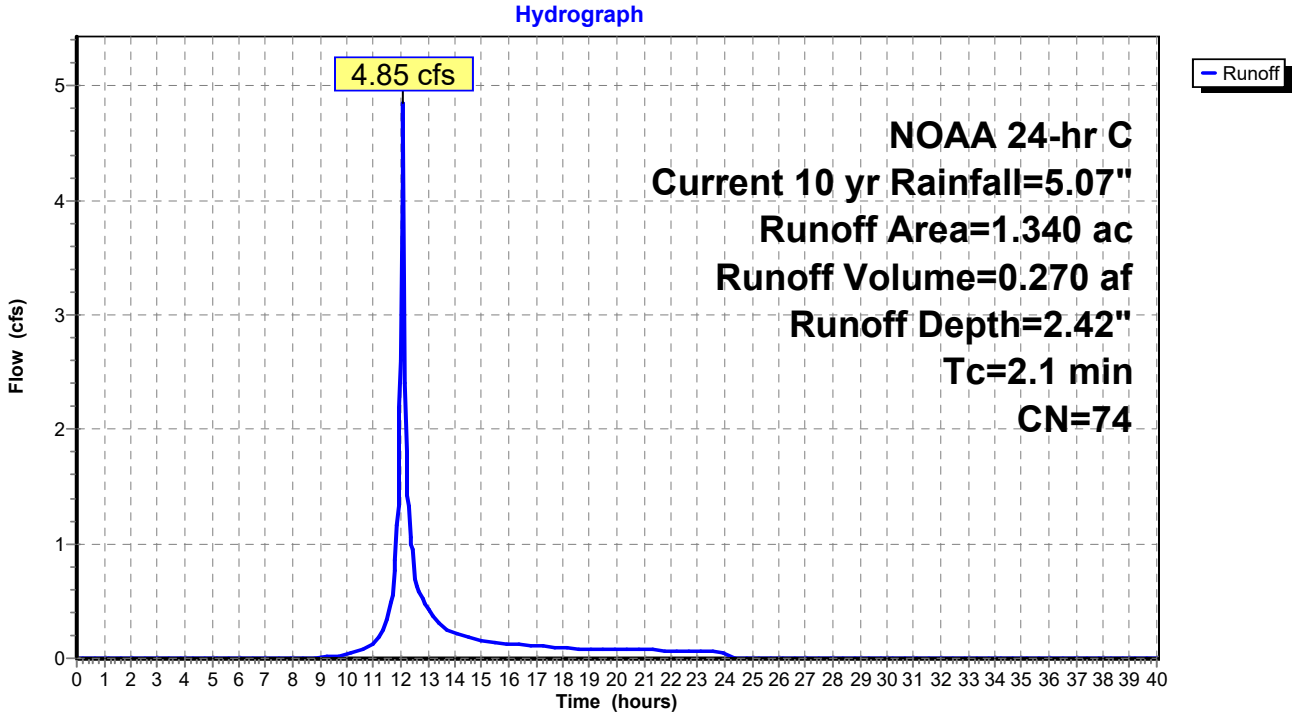
Runoff = 4.85 cfs @ 12.08 hrs, Volume= 0.270 af, Depth= 2.42"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.02
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.03
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.04
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.04
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.04
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.04
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.04
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.05
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.05

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.05	13.00	3.85	1.49	0.44
10.45	1.03	0.03	0.06	13.05	3.87	1.50	0.40
10.50	1.04	0.03	0.06	13.10	3.89	1.52	0.39
10.55	1.06	0.03	0.07	13.15	3.91	1.53	0.37
10.60	1.07	0.04	0.07	13.20	3.93	1.55	0.37
10.65	1.09	0.04	0.08	13.25	3.95	1.56	0.34
10.70	1.10	0.04	0.08	13.30	3.97	1.57	0.34
10.75	1.12	0.04	0.09	13.35	3.98	1.58	0.32
10.80	1.14	0.05	0.10	13.40	4.00	1.59	0.31
10.85	1.16	0.05	0.10	13.45	4.01	1.60	0.29
10.90	1.18	0.06	0.11	13.50	4.03	1.61	0.28
10.95	1.20	0.06	0.12	13.55	4.04	1.62	0.26
11.00	1.22	0.07	0.13	13.60	4.05	1.63	0.26
11.05	1.24	0.07	0.15	13.65	4.06	1.64	0.25
11.10	1.26	0.08	0.16	13.70	4.08	1.65	0.25
11.15	1.29	0.08	0.18	13.75	4.09	1.66	0.24
11.20	1.31	0.09	0.19	13.80	4.10	1.67	0.24
11.25	1.34	0.10	0.21	13.85	4.11	1.68	0.24
11.30	1.37	0.11	0.22	13.90	4.12	1.69	0.23
11.35	1.40	0.12	0.25	13.95	4.13	1.70	0.23
11.40	1.43	0.13	0.26	14.00	4.15	1.70	0.23
11.45	1.47	0.14	0.28	14.05	4.16	1.71	0.22
11.50	1.50	0.15	0.30	14.10	4.17	1.72	0.22
11.55	1.55	0.16	0.44	14.15	4.18	1.73	0.21
11.60	1.60	0.18	0.49	14.20	4.19	1.74	0.21
11.65	1.65	0.20	0.54	14.25	4.20	1.74	0.21
11.70	1.71	0.22	0.57	14.30	4.21	1.75	0.20
11.75	1.78	0.25	0.76	14.35	4.22	1.76	0.20
11.80	1.86	0.29	0.86	14.40	4.23	1.77	0.20
11.85	1.96	0.33	1.16	14.45	4.24	1.77	0.19
11.90	2.06	0.38	1.34	14.50	4.25	1.78	0.19
11.95	2.24	0.47	2.18	14.55	4.26	1.79	0.18
12.00	2.42	0.56	2.61	14.60	4.27	1.79	0.18
12.05	2.71	0.73	4.19	14.65	4.27	1.80	0.18
12.10	3.01	0.91	**4.71**	14.70	4.28	1.81	0.18
12.15	3.11	0.98	2.40	14.75	4.29	1.81	0.17
12.20	3.21	1.05	1.80	14.80	4.30	1.82	0.17
12.25	3.29	1.10	1.42	14.85	4.31	1.82	0.16
12.30	3.36	1.15	1.33	14.90	4.31	1.83	0.16
12.35	3.42	1.18	1.06	14.95	4.32	1.84	0.15
12.40	3.47	1.22	1.00	15.00	4.33	1.84	0.15
12.45	3.52	1.25	0.96	15.05	4.34	1.85	0.15
12.50	3.57	1.29	0.94	15.10	4.34	1.85	0.15
12.55	3.60	1.31	0.69	15.15	4.35	1.86	0.14
12.60	3.64	1.34	0.63	15.20	4.36	1.86	0.14
12.65	3.67	1.36	0.60	15.25	4.36	1.87	0.14
12.70	3.70	1.38	0.59	15.30	4.37	1.87	0.14
12.75	3.73	1.40	0.55	15.35	4.38	1.88	0.14
12.80	3.76	1.42	0.54	15.40	4.39	1.88	0.14
12.85	3.78	1.44	0.50	15.45	4.39	1.89	0.14
12.90	3.81	1.46	0.49	15.50	4.40	1.89	0.14
12.95	3.83	1.47	0.45	15.55	4.41	1.90	0.14

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.14	18.20	4.68	2.12	0.09
15.65	4.42	1.91	0.13	18.25	4.69	2.12	0.09
15.70	4.42	1.91	0.13	18.30	4.69	2.12	0.09
15.75	4.43	1.92	0.13	18.35	4.70	2.12	0.08
15.80	4.44	1.92	0.13	18.40	4.70	2.13	0.08
15.85	4.44	1.93	0.13	18.45	4.70	2.13	0.08
15.90	4.45	1.93	0.13	18.50	4.71	2.13	0.08
15.95	4.46	1.94	0.13	18.55	4.71	2.14	0.08
16.00	4.46	1.94	0.13	18.60	4.72	2.14	0.08
16.05	4.47	1.95	0.13	18.65	4.72	2.14	0.08
16.10	4.47	1.95	0.13	18.70	4.72	2.15	0.08
16.15	4.48	1.96	0.13	18.75	4.73	2.15	0.08
16.20	4.49	1.96	0.12	18.80	4.73	2.15	0.08
16.25	4.49	1.97	0.12	18.85	4.74	2.16	0.08
16.30	4.50	1.97	0.12	18.90	4.74	2.16	0.08
16.35	4.50	1.98	0.12	18.95	4.74	2.16	0.08
16.40	4.51	1.98	0.12	19.00	4.75	2.16	0.08
16.45	4.52	1.98	0.12	19.05	4.75	2.17	0.08
16.50	4.52	1.99	0.12	19.10	4.76	2.17	0.08
16.55	4.53	1.99	0.12	19.15	4.76	2.17	0.08
16.60	4.53	2.00	0.12	19.20	4.76	2.18	0.08
16.65	4.54	2.00	0.12	19.25	4.77	2.18	0.08
16.70	4.54	2.01	0.11	19.30	4.77	2.18	0.08
16.75	4.55	2.01	0.11	19.35	4.77	2.19	0.08
16.80	4.55	2.01	0.11	19.40	4.78	2.19	0.08
16.85	4.56	2.02	0.11	19.45	4.78	2.19	0.08
16.90	4.57	2.02	0.11	19.50	4.79	2.19	0.08
16.95	4.57	2.03	0.11	19.55	4.79	2.20	0.08
17.00	4.58	2.03	0.11	19.60	4.79	2.20	0.08
17.05	4.58	2.03	0.11	19.65	4.80	2.20	0.08
17.10	4.59	2.04	0.11	19.70	4.80	2.21	0.08
17.15	4.59	2.04	0.10	19.75	4.80	2.21	0.08
17.20	4.60	2.05	0.10	19.80	4.81	2.21	0.08
17.25	4.60	2.05	0.10	19.85	4.81	2.21	0.08
17.30	4.61	2.05	0.10	19.90	4.81	2.22	0.08
17.35	4.61	2.06	0.10	19.95	4.82	2.22	0.08
17.40	4.61	2.06	0.10	20.00	4.82	2.22	0.08
17.45	4.62	2.06	0.10	20.05	4.83	2.23	0.08
17.50	4.62	2.07	0.10	20.10	4.83	2.23	0.08
17.55	4.63	2.07	0.10	20.15	4.83	2.23	0.08
17.60	4.63	2.08	0.10	20.20	4.84	2.23	0.08
17.65	4.64	2.08	0.09	20.25	4.84	2.24	0.08
17.70	4.64	2.08	0.09	20.30	4.84	2.24	0.08
17.75	4.65	2.09	0.09	20.35	4.85	2.24	0.07
17.80	4.65	2.09	0.09	20.40	4.85	2.25	0.07
17.85	4.66	2.09	0.09	20.45	4.85	2.25	0.07
17.90	4.66	2.10	0.09	20.50	4.86	2.25	0.07
17.95	4.66	2.10	0.09	20.55	4.86	2.25	0.07
18.00	4.67	2.10	0.09	20.60	4.86	2.26	0.07
18.05	4.67	2.11	0.09	20.65	4.87	2.26	0.07
18.10	4.68	2.11	0.09	20.70	4.87	2.26	0.07
18.15	4.68	2.11	0.09	20.75	4.87	2.26	0.07

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.07	23.40	5.04	2.39	0.06
20.85	4.88	2.27	0.07	23.45	5.04	2.40	0.06
20.90	4.88	2.27	0.07	23.50	5.04	2.40	0.06
20.95	4.89	2.28	0.07	23.55	5.04	2.40	0.06
21.00	4.89	2.28	0.07	23.60	5.05	2.40	0.06
21.05	4.89	2.28	0.07	23.65	5.05	2.40	0.06
21.10	4.90	2.28	0.07	23.70	5.05	2.41	0.06
21.15	4.90	2.29	0.07	23.75	5.06	2.41	0.06
21.20	4.90	2.29	0.07	23.80	5.06	2.41	0.06
21.25	4.91	2.29	0.07	23.85	5.06	2.41	0.06
21.30	4.91	2.29	0.07	23.90	5.06	2.42	0.06
21.35	4.91	2.30	0.07	23.95	5.07	2.42	0.07
21.40	4.92	2.30	0.07	24.00	**5.07**	**2.42**	0.07
21.45	4.92	2.30	0.07	24.05	5.07	2.42	0.01
21.50	4.92	2.30	0.07	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.07	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.07	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.07	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.07	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.07	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.07	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.07	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.07	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.07	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.07	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.07	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.07	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.07	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.07	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.07	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.06	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.06	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.06	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.06	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.06	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.06	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.06	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.06	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.06	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.06	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.06	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.06	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.06	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.06	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.06	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.06	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.06	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.06	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.06	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.06	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.06	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.06	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

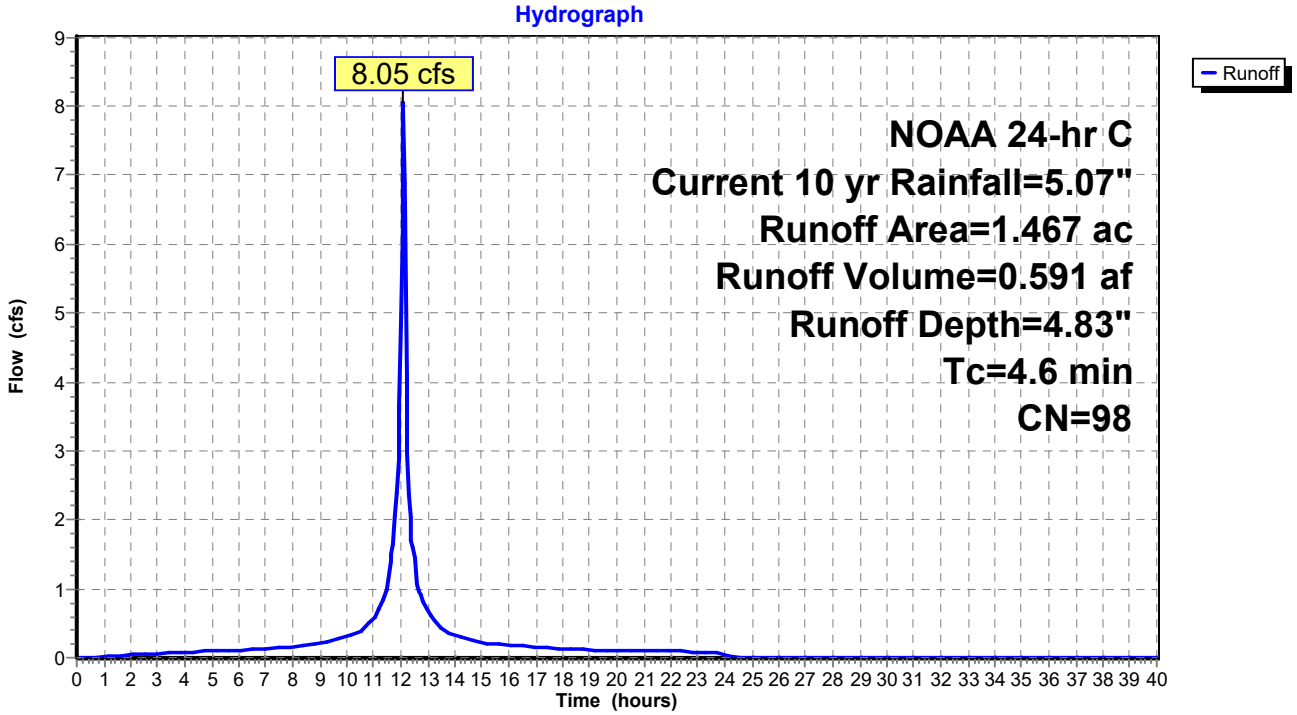
Runoff = 8.05 cfs @ 12.11 hrs, Volume= 0.591 af, Depth= 4.83"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.05
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.06
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.06
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.06
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.06
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.06
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.06
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.06
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.06
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.06
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.06
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.06
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.07
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.07
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.07
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.07
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.07
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.07
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.07
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.07
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.07
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.07
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.07
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.08
1.20	0.07	0.00	0.02	3.80	0.23	0.09	0.08
1.25	0.07	0.00	0.02	3.85	0.24	0.10	0.08
1.30	0.07	0.00	0.02	3.90	0.24	0.10	0.08
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.08
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.08
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.08
1.50	0.08	0.01	0.03	4.10	0.26	0.11	0.08
1.55	0.09	0.01	0.03	4.15	0.26	0.11	0.08
1.60	0.09	0.01	0.03	4.20	0.26	0.12	0.08
1.65	0.09	0.01	0.03	4.25	0.27	0.12	0.08
1.70	0.10	0.01	0.03	4.30	0.27	0.12	0.08
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.08
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.08
1.85	0.11	0.02	0.04	4.45	0.28	0.13	0.09
1.90	0.11	0.02	0.04	4.50	0.28	0.13	0.09
1.95	0.11	0.02	0.04	4.55	0.29	0.14	0.09
2.00	0.11	0.02	0.04	4.60	0.29	0.14	0.09
2.05	0.12	0.02	0.04	4.65	0.30	0.14	0.09
2.10	0.12	0.02	0.04	4.70	0.30	0.14	0.09
2.15	0.12	0.02	0.04	4.75	0.30	0.15	0.09
2.20	0.13	0.03	0.05	4.80	0.31	0.15	0.09
2.25	0.13	0.03	0.05	4.85	0.31	0.15	0.09
2.30	0.13	0.03	0.05	4.90	0.31	0.16	0.09
2.35	0.14	0.03	0.05	4.95	0.32	0.16	0.09
2.40	0.14	0.03	0.05	5.00	0.32	0.16	0.09
2.45	0.14	0.03	0.05	5.05	0.33	0.17	0.09
2.50	0.15	0.04	0.05	5.10	0.33	0.17	0.09
2.55	0.15	0.04	0.05	5.15	0.33	0.17	0.09

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.10	7.80	0.58	0.39	0.16
5.25	0.34	0.18	0.10	7.85	0.59	0.40	0.16
5.30	0.35	0.18	0.10	7.90	0.60	0.41	0.16
5.35	0.35	0.19	0.10	7.95	0.60	0.41	0.17
5.40	0.35	0.19	0.10	8.00	0.61	0.42	0.17
5.45	0.36	0.19	0.10	8.05	0.61	0.42	0.17
5.50	0.36	0.20	0.10	8.10	0.62	0.43	0.17
5.55	0.37	0.20	0.10	8.15	0.63	0.43	0.17
5.60	0.37	0.20	0.10	8.20	0.63	0.44	0.17
5.65	0.37	0.21	0.10	8.25	0.64	0.45	0.17
5.70	0.38	0.21	0.10	8.30	0.65	0.45	0.18
5.75	0.38	0.21	0.10	8.35	0.65	0.46	0.18
5.80	0.39	0.22	0.10	8.40	0.66	0.46	0.18
5.85	0.39	0.22	0.10	8.45	0.66	0.47	0.18
5.90	0.39	0.22	0.10	8.50	0.67	0.48	0.18
5.95	0.40	0.23	0.10	8.55	0.68	0.48	0.18
6.00	0.40	0.23	0.10	8.60	0.68	0.49	0.19
6.05	0.41	0.23	0.11	8.65	0.69	0.50	0.19
6.10	0.41	0.24	0.11	8.70	0.70	0.50	0.19
6.15	0.41	0.24	0.11	8.75	0.71	0.51	0.19
6.20	0.42	0.25	0.11	8.80	0.71	0.51	0.19
6.25	0.42	0.25	0.11	8.85	0.72	0.52	0.19
6.30	0.43	0.25	0.11	8.90	0.73	0.53	0.20
6.35	0.43	0.26	0.11	8.95	0.73	0.53	0.20
6.40	0.44	0.26	0.12	9.00	0.74	0.54	0.20
6.45	0.44	0.27	0.12	9.05	0.75	0.55	0.20
6.50	0.45	0.27	0.12	9.10	0.76	0.56	0.21
6.55	0.45	0.27	0.12	9.15	0.76	0.56	0.21
6.60	0.46	0.28	0.12	9.20	0.77	0.57	0.22
6.65	0.46	0.28	0.12	9.25	0.78	0.58	0.22
6.70	0.46	0.29	0.13	9.30	0.79	0.59	0.23
6.75	0.47	0.29	0.13	9.35	0.80	0.59	0.24
6.80	0.47	0.29	0.13	9.40	0.80	0.60	0.24
6.85	0.48	0.30	0.13	9.45	0.81	0.61	0.25
6.90	0.48	0.30	0.13	9.50	0.82	0.62	0.25
6.95	0.49	0.31	0.13	9.55	0.83	0.63	0.26
7.00	0.49	0.31	0.14	9.60	0.84	0.64	0.26
7.05	0.50	0.32	0.14	9.65	0.85	0.65	0.27
7.10	0.50	0.32	0.14	9.70	0.86	0.66	0.28
7.15	0.51	0.33	0.14	9.75	0.87	0.67	0.28
7.20	0.52	0.33	0.14	9.80	0.88	0.68	0.29
7.25	0.52	0.34	0.14	9.85	0.89	0.69	0.29
7.30	0.53	0.34	0.14	9.90	0.90	0.70	0.30
7.35	0.53	0.35	0.15	9.95	0.91	0.71	0.30
7.40	0.54	0.35	0.15	10.00	0.92	0.72	0.31
7.45	0.54	0.36	0.15	10.05	0.94	0.73	0.31
7.50	0.55	0.36	0.15	10.10	0.95	0.74	0.32
7.55	0.55	0.37	0.15	10.15	0.96	0.75	0.33
7.60	0.56	0.37	0.15	10.20	0.97	0.76	0.33
7.65	0.57	0.38	0.16	10.25	0.98	0.77	0.34
7.70	0.57	0.38	0.16	10.30	0.99	0.79	0.34
7.75	0.58	0.39	0.16	10.35	1.01	0.80	0.35

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.35	13.00	3.85	3.62	0.69
10.45	1.03	0.82	0.36	13.05	3.87	3.64	0.65
10.50	1.04	0.83	0.37	13.10	3.89	3.66	0.61
10.55	1.06	0.85	0.38	13.15	3.91	3.68	0.58
10.60	1.07	0.86	0.40	13.20	3.93	3.70	0.56
10.65	1.09	0.88	0.42	13.25	3.95	3.71	0.54
10.70	1.10	0.89	0.44	13.30	3.97	3.73	0.52
10.75	1.12	0.91	0.46	13.35	3.98	3.75	0.50
10.80	1.14	0.93	0.49	13.40	4.00	3.76	0.47
10.85	1.16	0.94	0.51	13.45	4.01	3.78	0.45
10.90	1.18	0.96	0.53	13.50	4.03	3.79	0.43
10.95	1.20	0.98	0.55	13.55	4.04	3.80	0.41
11.00	1.22	1.00	0.57	13.60	4.05	3.82	0.39
11.05	1.24	1.02	0.60	13.65	4.06	3.83	0.38
11.10	1.26	1.05	0.65	13.70	4.08	3.84	0.37
11.15	1.29	1.07	0.68	13.75	4.09	3.85	0.36
11.20	1.31	1.10	0.73	13.80	4.10	3.86	0.36
11.25	1.34	1.12	0.76	13.85	4.11	3.88	0.35
11.30	1.37	1.15	0.81	13.90	4.12	3.89	0.35
11.35	1.40	1.18	0.84	13.95	4.13	3.90	0.34
11.40	1.43	1.21	0.89	14.00	4.15	3.91	0.34
11.45	1.47	1.25	0.92	14.05	4.16	3.92	0.33
11.50	1.50	1.28	0.95	14.10	4.17	3.93	0.32
11.55	1.55	1.33	1.12	14.15	4.18	3.94	0.32
11.60	1.60	1.38	1.40	14.20	4.19	3.95	0.31
11.65	1.65	1.43	1.50	14.25	4.20	3.96	0.31
11.70	1.71	1.49	1.56	14.30	4.21	3.97	0.30
11.75	1.78	1.56	1.75	14.35	4.22	3.98	0.30
11.80	1.86	1.63	2.06	14.40	4.23	3.99	0.29
11.85	1.96	1.73	2.40	14.45	4.24	4.00	0.29
11.90	2.06	1.84	2.86	14.50	4.25	4.01	0.28
11.95	2.24	2.01	3.64	14.55	4.26	4.02	0.27
12.00	2.42	2.19	4.81	14.60	4.27	4.03	0.27
12.05	2.71	2.48	6.17	14.65	4.27	4.04	0.26
12.10	3.01	2.78	**8.03**	14.70	4.28	4.05	0.26
12.15	3.11	2.88	6.88	14.75	4.29	4.06	0.25
12.20	3.21	2.98	4.04	14.80	4.30	4.06	0.25
12.25	3.29	3.05	2.98	14.85	4.31	4.07	0.24
12.30	3.36	3.13	2.37	14.90	4.31	4.08	0.23
12.35	3.42	3.18	2.04	14.95	4.32	4.09	0.23
12.40	3.47	3.24	1.70	15.00	4.33	4.09	0.22
12.45	3.52	3.29	1.59	15.05	4.34	4.10	0.22
12.50	3.57	3.34	1.53	15.10	4.34	4.11	0.21
12.55	3.60	3.37	1.35	15.15	4.35	4.12	0.21
12.60	3.64	3.40	1.07	15.20	4.36	4.12	0.21
12.65	3.67	3.43	0.98	15.25	4.36	4.13	0.21
12.70	3.70	3.47	0.93	15.30	4.37	4.14	0.20
12.75	3.73	3.49	0.89	15.35	4.38	4.14	0.20
12.80	3.76	3.52	0.85	15.40	4.39	4.15	0.20
12.85	3.78	3.55	0.81	15.45	4.39	4.16	0.20
12.90	3.81	3.57	0.77	15.50	4.40	4.16	0.20
12.95	3.83	3.60	0.73	15.55	4.41	4.17	0.20

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.20	18.20	4.68	4.45	0.12
15.65	4.42	4.18	0.19	18.25	4.69	4.45	0.12
15.70	4.42	4.19	0.19	18.30	4.69	4.46	0.12
15.75	4.43	4.20	0.19	18.35	4.70	4.46	0.12
15.80	4.44	4.20	0.19	18.40	4.70	4.46	0.12
15.85	4.44	4.21	0.19	18.45	4.70	4.47	0.12
15.90	4.45	4.21	0.19	18.50	4.71	4.47	0.12
15.95	4.46	4.22	0.19	18.55	4.71	4.48	0.12
16.00	4.46	4.23	0.18	18.60	4.72	4.48	0.12
16.05	4.47	4.23	0.18	18.65	4.72	4.48	0.12
16.10	4.47	4.24	0.18	18.70	4.72	4.49	0.12
16.15	4.48	4.24	0.18	18.75	4.73	4.49	0.12
16.20	4.49	4.25	0.18	18.80	4.73	4.50	0.12
16.25	4.49	4.26	0.18	18.85	4.74	4.50	0.12
16.30	4.50	4.26	0.17	18.90	4.74	4.50	0.11
16.35	4.50	4.27	0.17	18.95	4.74	4.51	0.11
16.40	4.51	4.27	0.17	19.00	4.75	4.51	0.11
16.45	4.52	4.28	0.17	19.05	4.75	4.51	0.11
16.50	4.52	4.29	0.17	19.10	4.76	4.52	0.11
16.55	4.53	4.29	0.17	19.15	4.76	4.52	0.11
16.60	4.53	4.30	0.17	19.20	4.76	4.53	0.11
16.65	4.54	4.30	0.16	19.25	4.77	4.53	0.11
16.70	4.54	4.31	0.16	19.30	4.77	4.53	0.11
16.75	4.55	4.31	0.16	19.35	4.77	4.54	0.11
16.80	4.55	4.32	0.16	19.40	4.78	4.54	0.11
16.85	4.56	4.32	0.16	19.45	4.78	4.55	0.11
16.90	4.57	4.33	0.16	19.50	4.79	4.55	0.11
16.95	4.57	4.33	0.16	19.55	4.79	4.55	0.11
17.00	4.58	4.34	0.15	19.60	4.79	4.56	0.11
17.05	4.58	4.34	0.15	19.65	4.80	4.56	0.11
17.10	4.59	4.35	0.15	19.70	4.80	4.56	0.11
17.15	4.59	4.35	0.15	19.75	4.80	4.57	0.11
17.20	4.60	4.36	0.15	19.80	4.81	4.57	0.11
17.25	4.60	4.36	0.15	19.85	4.81	4.57	0.11
17.30	4.61	4.37	0.14	19.90	4.81	4.58	0.11
17.35	4.61	4.37	0.14	19.95	4.82	4.58	0.11
17.40	4.61	4.38	0.14	20.00	4.82	4.59	0.11
17.45	4.62	4.38	0.14	20.05	4.83	4.59	0.11
17.50	4.62	4.39	0.14	20.10	4.83	4.59	0.11
17.55	4.63	4.39	0.14	20.15	4.83	4.60	0.11
17.60	4.63	4.40	0.14	20.20	4.84	4.60	0.10
17.65	4.64	4.40	0.13	20.25	4.84	4.60	0.10
17.70	4.64	4.41	0.13	20.30	4.84	4.61	0.10
17.75	4.65	4.41	0.13	20.35	4.85	4.61	0.10
17.80	4.65	4.42	0.13	20.40	4.85	4.61	0.10
17.85	4.66	4.42	0.13	20.45	4.85	4.62	0.10
17.90	4.66	4.42	0.13	20.50	4.86	4.62	0.10
17.95	4.66	4.43	0.13	20.55	4.86	4.62	0.10
18.00	4.67	4.43	0.12	20.60	4.86	4.63	0.10
18.05	4.67	4.44	0.12	20.65	4.87	4.63	0.10
18.10	4.68	4.44	0.12	20.70	4.87	4.63	0.10
18.15	4.68	4.44	0.12	20.75	4.87	4.64	0.10

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.10	23.40	5.04	4.80	0.08
20.85	4.88	4.64	0.10	23.45	5.04	4.80	0.08
20.90	4.88	4.65	0.10	23.50	5.04	4.81	0.08
20.95	4.89	4.65	0.10	23.55	5.04	4.81	0.08
21.00	4.89	4.65	0.10	23.60	5.05	4.81	0.08
21.05	4.89	4.66	0.10	23.65	5.05	4.81	0.08
21.10	4.90	4.66	0.10	23.70	5.05	4.82	0.08
21.15	4.90	4.66	0.10	23.75	5.06	4.82	0.08
21.20	4.90	4.67	0.10	23.80	5.06	4.82	0.08
21.25	4.91	4.67	0.10	23.85	5.06	4.82	0.08
21.30	4.91	4.67	0.10	23.90	5.06	4.83	0.08
21.35	4.91	4.68	0.10	23.95	5.07	4.83	0.08
21.40	4.92	4.68	0.10	24.00	**5.07**	**4.83**	0.09
21.45	4.92	4.68	0.10	24.05	5.07	4.83	0.07
21.50	4.92	4.69	0.10	24.10	5.07	4.83	0.02
21.55	4.93	4.69	0.09	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.09	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.09	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.09	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.09	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.09	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.09	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.09	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.09	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.09	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.09	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.09	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.09	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.09	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.09	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.09	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.09	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.09	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.09	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.09	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.09	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.09	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.09	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.09	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.09	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.09	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.09	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.08	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.08	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.08	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.08	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.08	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.08	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.08	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.08	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.08	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.08	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

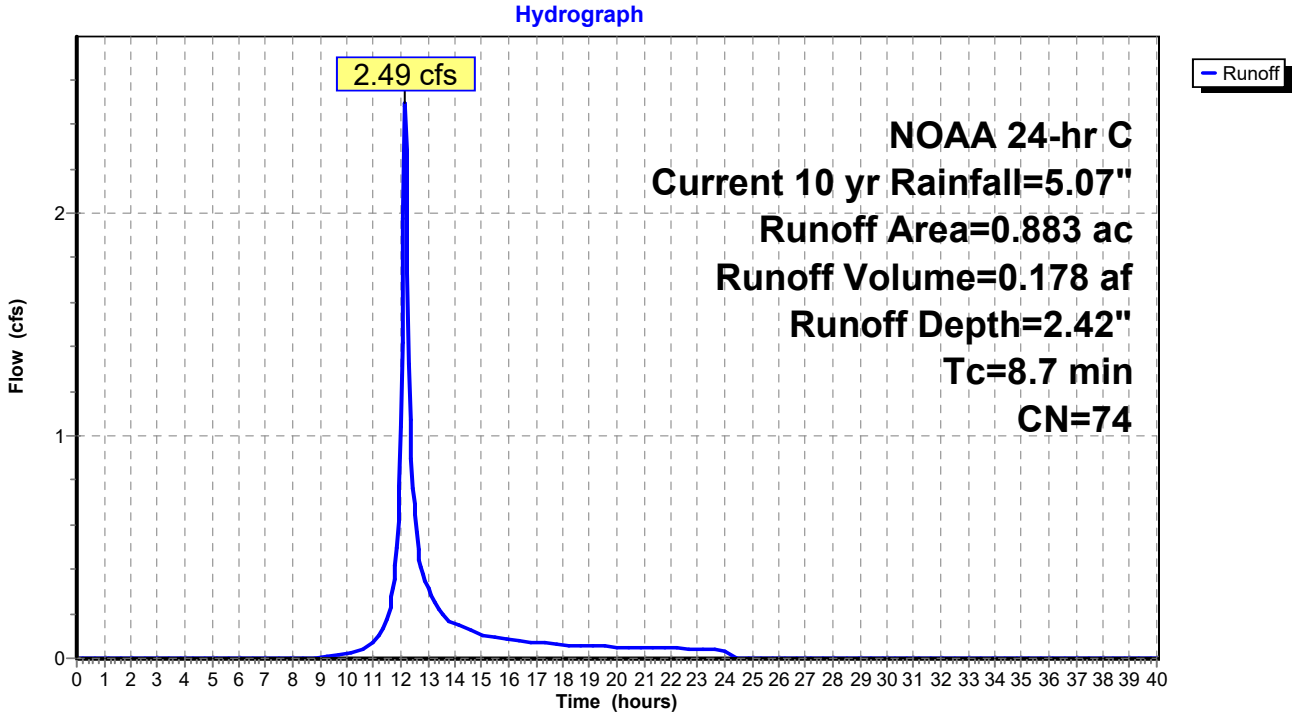
Runoff = 2.49 cfs @ 12.16 hrs, Volume= 0.178 af, Depth= 2.42"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.32
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.30
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.29
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.27
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.26
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.25
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.24
10.75	1.12	0.04	0.05	13.35	3.98	1.58	0.23
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.22
10.85	1.16	0.05	0.06	13.45	4.01	1.60	0.21
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.20
10.95	1.20	0.06	0.07	13.55	4.04	1.62	0.19
11.00	1.22	0.07	0.07	13.60	4.05	1.63	0.18
11.05	1.24	0.07	0.08	13.65	4.06	1.64	0.18
11.10	1.26	0.08	0.09	13.70	4.08	1.65	0.17
11.15	1.29	0.08	0.09	13.75	4.09	1.66	0.17
11.20	1.31	0.09	0.10	13.80	4.10	1.67	0.16
11.25	1.34	0.10	0.11	13.85	4.11	1.68	0.16
11.30	1.37	0.11	0.12	13.90	4.12	1.69	0.16
11.35	1.40	0.12	0.14	13.95	4.13	1.70	0.16
11.40	1.43	0.13	0.15	14.00	4.15	1.70	0.15
11.45	1.47	0.14	0.16	14.05	4.16	1.71	0.15
11.50	1.50	0.15	0.17	14.10	4.17	1.72	0.15
11.55	1.55	0.16	0.19	14.15	4.18	1.73	0.15
11.60	1.60	0.18	0.23	14.20	4.19	1.74	0.14
11.65	1.65	0.20	0.28	14.25	4.20	1.74	0.14
11.70	1.71	0.22	0.32	14.30	4.21	1.75	0.14
11.75	1.78	0.25	0.35	14.35	4.22	1.76	0.14
11.80	1.86	0.29	0.41	14.40	4.23	1.77	0.13
11.85	1.96	0.33	0.50	14.45	4.24	1.77	0.13
11.90	2.06	0.38	0.61	14.50	4.25	1.78	0.13
11.95	2.24	0.47	0.77	14.55	4.26	1.79	0.13
12.00	2.42	0.56	1.04	14.60	4.27	1.79	0.12
12.05	2.71	0.73	1.42	14.65	4.27	1.80	0.12
12.10	3.01	0.91	1.98	14.70	4.28	1.81	0.12
12.15	3.11	0.98	**2.48**	14.75	4.29	1.81	0.12
12.20	3.21	1.05	2.28	14.80	4.30	1.82	0.12
12.25	3.29	1.10	1.73	14.85	4.31	1.82	0.11
12.30	3.36	1.15	1.33	14.90	4.31	1.83	0.11
12.35	3.42	1.18	1.07	14.95	4.32	1.84	0.11
12.40	3.47	1.22	0.89	15.00	4.33	1.84	0.11
12.45	3.52	1.25	0.77	15.05	4.34	1.85	0.10
12.50	3.57	1.29	0.69	15.10	4.34	1.85	0.10
12.55	3.60	1.31	0.65	15.15	4.35	1.86	0.10
12.60	3.64	1.34	0.57	15.20	4.36	1.86	0.10
12.65	3.67	1.36	0.49	15.25	4.36	1.87	0.10
12.70	3.70	1.38	0.44	15.30	4.37	1.87	0.09
12.75	3.73	1.40	0.41	15.35	4.38	1.88	0.09
12.80	3.76	1.42	0.39	15.40	4.39	1.88	0.09
12.85	3.78	1.44	0.37	15.45	4.39	1.89	0.09
12.90	3.81	1.46	0.35	15.50	4.40	1.89	0.09
12.95	3.83	1.47	0.34	15.55	4.41	1.90	0.09

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.09	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.09	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.09	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.09	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.09	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.08	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.08	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.08	18.75	4.73	2.15	0.05
16.20	4.49	1.96	0.08	18.80	4.73	2.15	0.05
16.25	4.49	1.97	0.08	18.85	4.74	2.16	0.05
16.30	4.50	1.97	0.08	18.90	4.74	2.16	0.05
16.35	4.50	1.98	0.08	18.95	4.74	2.16	0.05
16.40	4.51	1.98	0.08	19.00	4.75	2.16	0.05
16.45	4.52	1.98	0.08	19.05	4.75	2.17	0.05
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.05
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.05
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.05
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.05
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.05
16.75	4.55	2.01	0.08	19.35	4.77	2.19	0.05
16.80	4.55	2.01	0.08	19.40	4.78	2.19	0.05
16.85	4.56	2.02	0.07	19.45	4.78	2.19	0.05
16.90	4.57	2.02	0.07	19.50	4.79	2.19	0.05
16.95	4.57	2.03	0.07	19.55	4.79	2.20	0.05
17.00	4.58	2.03	0.07	19.60	4.79	2.20	0.05
17.05	4.58	2.03	0.07	19.65	4.80	2.20	0.05
17.10	4.59	2.04	0.07	19.70	4.80	2.21	0.05
17.15	4.59	2.04	0.07	19.75	4.80	2.21	0.05
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.05
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.05
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.05
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.06	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.06	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.06	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.06	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.06	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.06	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.04
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.03
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.01
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.01
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.04	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.04	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.04	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.04	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.04	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.04	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 14l: PDA-14 (impervious)

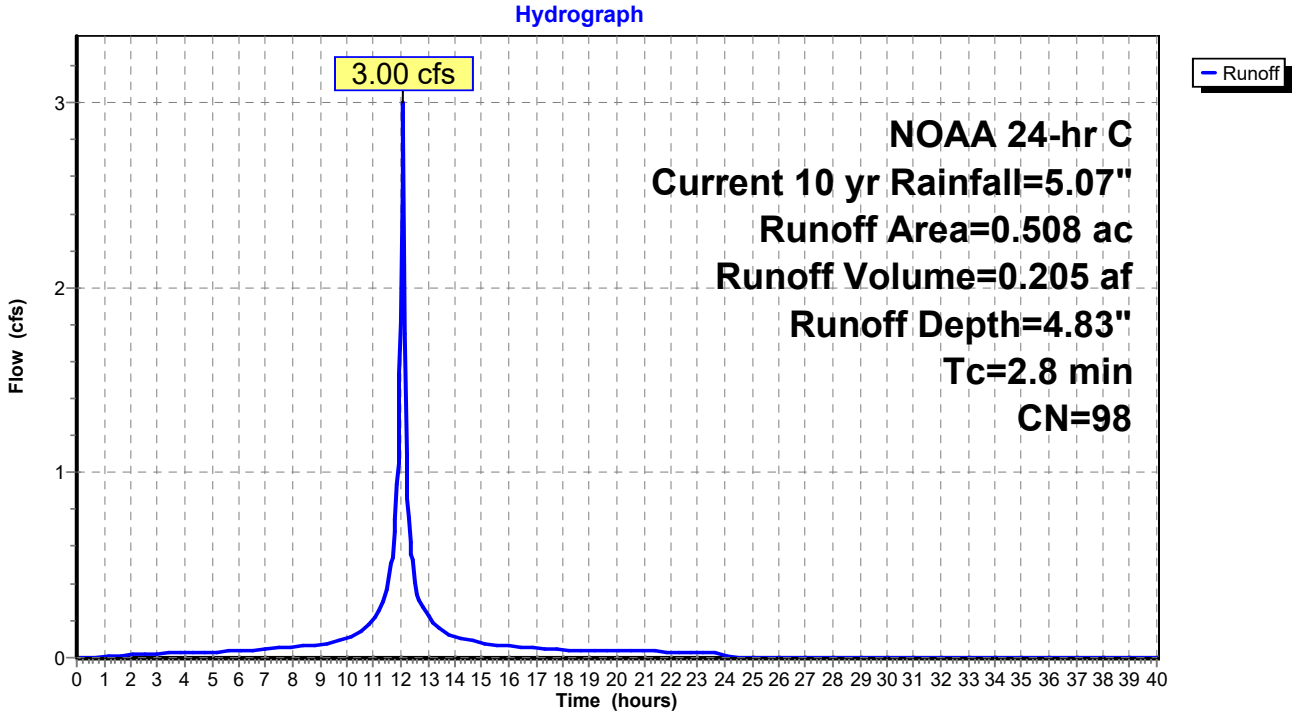
Runoff = 3.00 cfs @ 12.09 hrs, Volume= 0.205 af, Depth= 4.83"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 14l: PDA-14 (impervious)



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.03
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.03
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.03
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.03
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.03
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.03
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.06
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.06
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.06
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.06
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.06
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.06
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.06
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.06
5.60	0.37	0.20	0.03	8.20	0.63	0.44	0.06
5.65	0.37	0.21	0.03	8.25	0.64	0.45	0.06
5.70	0.38	0.21	0.04	8.30	0.65	0.45	0.06
5.75	0.38	0.21	0.04	8.35	0.65	0.46	0.06
5.80	0.39	0.22	0.04	8.40	0.66	0.46	0.06
5.85	0.39	0.22	0.04	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.04	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.04	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.04	8.60	0.68	0.49	0.06
6.05	0.41	0.23	0.04	8.65	0.69	0.50	0.07
6.10	0.41	0.24	0.04	8.70	0.70	0.50	0.07
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.07
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.07
6.25	0.42	0.25	0.04	8.85	0.72	0.52	0.07
6.30	0.43	0.25	0.04	8.90	0.73	0.53	0.07
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.07
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.07
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.07
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.07
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.08
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.08
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.08
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.08
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.08
6.80	0.47	0.29	0.04	9.40	0.80	0.60	0.08
6.85	0.48	0.30	0.05	9.45	0.81	0.61	0.09
6.90	0.48	0.30	0.05	9.50	0.82	0.62	0.09
6.95	0.49	0.31	0.05	9.55	0.83	0.63	0.09
7.00	0.49	0.31	0.05	9.60	0.84	0.64	0.09
7.05	0.50	0.32	0.05	9.65	0.85	0.65	0.09
7.10	0.50	0.32	0.05	9.70	0.86	0.66	0.10
7.15	0.51	0.33	0.05	9.75	0.87	0.67	0.10
7.20	0.52	0.33	0.05	9.80	0.88	0.68	0.10
7.25	0.52	0.34	0.05	9.85	0.89	0.69	0.10
7.30	0.53	0.34	0.05	9.90	0.90	0.70	0.10
7.35	0.53	0.35	0.05	9.95	0.91	0.71	0.11
7.40	0.54	0.35	0.05	10.00	0.92	0.72	0.11
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.11
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.11
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.11
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.12
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.12
7.70	0.57	0.38	0.05	10.30	0.99	0.79	0.12
7.75	0.58	0.39	0.06	10.35	1.01	0.80	0.12

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.12	13.00	3.85	3.62	0.23
10.45	1.03	0.82	0.13	13.05	3.87	3.64	0.22
10.50	1.04	0.83	0.13	13.10	3.89	3.66	0.21
10.55	1.06	0.85	0.14	13.15	3.91	3.68	0.20
10.60	1.07	0.86	0.14	13.20	3.93	3.70	0.19
10.65	1.09	0.88	0.15	13.25	3.95	3.71	0.18
10.70	1.10	0.89	0.16	13.30	3.97	3.73	0.18
10.75	1.12	0.91	0.17	13.35	3.98	3.75	0.17
10.80	1.14	0.93	0.17	13.40	4.00	3.76	0.16
10.85	1.16	0.94	0.18	13.45	4.01	3.78	0.15
10.90	1.18	0.96	0.19	13.50	4.03	3.79	0.15
10.95	1.20	0.98	0.20	13.55	4.04	3.80	0.14
11.00	1.22	1.00	0.20	13.60	4.05	3.82	0.13
11.05	1.24	1.02	0.22	13.65	4.06	3.83	0.13
11.10	1.26	1.05	0.23	13.70	4.08	3.84	0.13
11.15	1.29	1.07	0.25	13.75	4.09	3.85	0.12
11.20	1.31	1.10	0.26	13.80	4.10	3.86	0.12
11.25	1.34	1.12	0.27	13.85	4.11	3.88	0.12
11.30	1.37	1.15	0.28	13.90	4.12	3.89	0.12
11.35	1.40	1.18	0.30	13.95	4.13	3.90	0.12
11.40	1.43	1.21	0.31	14.00	4.15	3.91	0.12
11.45	1.47	1.25	0.33	14.05	4.16	3.92	0.11
11.50	1.50	1.28	0.34	14.10	4.17	3.93	0.11
11.55	1.55	1.33	0.45	14.15	4.18	3.94	0.11
11.60	1.60	1.38	0.51	14.20	4.19	3.95	0.11
11.65	1.65	1.43	0.54	14.25	4.20	3.96	0.11
11.70	1.71	1.49	0.55	14.30	4.21	3.97	0.10
11.75	1.78	1.56	0.68	14.35	4.22	3.98	0.10
11.80	1.86	1.63	0.75	14.40	4.23	3.99	0.10
11.85	1.96	1.73	0.94	14.45	4.24	4.00	0.10
11.90	2.06	1.84	1.05	14.50	4.25	4.01	0.10
11.95	2.24	2.01	1.53	14.55	4.26	4.02	0.09
12.00	2.42	2.19	1.81	14.60	4.27	4.03	0.09
12.05	2.71	2.48	2.58	14.65	4.27	4.04	0.09
12.10	3.01	2.78	**2.94**	14.70	4.28	4.05	0.09
12.15	3.11	2.88	1.75	14.75	4.29	4.06	0.09
12.20	3.21	2.98	1.09	14.80	4.30	4.06	0.08
12.25	3.29	3.05	0.86	14.85	4.31	4.07	0.08
12.30	3.36	3.13	0.76	14.90	4.31	4.08	0.08
12.35	3.42	3.18	0.62	14.95	4.32	4.09	0.08
12.40	3.47	3.24	0.56	15.00	4.33	4.09	0.08
12.45	3.52	3.29	0.53	15.05	4.34	4.10	0.07
12.50	3.57	3.34	0.52	15.10	4.34	4.11	0.07
12.55	3.60	3.37	0.40	15.15	4.35	4.12	0.07
12.60	3.64	3.40	0.34	15.20	4.36	4.12	0.07
12.65	3.67	3.43	0.32	15.25	4.36	4.13	0.07
12.70	3.70	3.47	0.32	15.30	4.37	4.14	0.07
12.75	3.73	3.49	0.30	15.35	4.38	4.14	0.07
12.80	3.76	3.52	0.29	15.40	4.39	4.15	0.07
12.85	3.78	3.55	0.27	15.45	4.39	4.16	0.07
12.90	3.81	3.57	0.26	15.50	4.40	4.16	0.07
12.95	3.83	3.60	0.24	15.55	4.41	4.17	0.07

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.07	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.07	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.07	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.07	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.07	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.06	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.06	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.06	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.06	18.65	4.72	4.48	0.04
16.10	4.47	4.24	0.06	18.70	4.72	4.49	0.04
16.15	4.48	4.24	0.06	18.75	4.73	4.49	0.04
16.20	4.49	4.25	0.06	18.80	4.73	4.50	0.04
16.25	4.49	4.26	0.06	18.85	4.74	4.50	0.04
16.30	4.50	4.26	0.06	18.90	4.74	4.50	0.04
16.35	4.50	4.27	0.06	18.95	4.74	4.51	0.04
16.40	4.51	4.27	0.06	19.00	4.75	4.51	0.04
16.45	4.52	4.28	0.06	19.05	4.75	4.51	0.04
16.50	4.52	4.29	0.06	19.10	4.76	4.52	0.04
16.55	4.53	4.29	0.06	19.15	4.76	4.52	0.04
16.60	4.53	4.30	0.06	19.20	4.76	4.53	0.04
16.65	4.54	4.30	0.06	19.25	4.77	4.53	0.04
16.70	4.54	4.31	0.06	19.30	4.77	4.53	0.04
16.75	4.55	4.31	0.06	19.35	4.77	4.54	0.04
16.80	4.55	4.32	0.05	19.40	4.78	4.54	0.04
16.85	4.56	4.32	0.05	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.04
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.04
17.15	4.59	4.35	0.05	19.75	4.80	4.57	0.04
17.20	4.60	4.36	0.05	19.80	4.81	4.57	0.04
17.25	4.60	4.36	0.05	19.85	4.81	4.57	0.04
17.30	4.61	4.37	0.05	19.90	4.81	4.58	0.04
17.35	4.61	4.37	0.05	19.95	4.82	4.58	0.04
17.40	4.61	4.38	0.05	20.00	4.82	4.59	0.04
17.45	4.62	4.38	0.05	20.05	4.83	4.59	0.04
17.50	4.62	4.39	0.05	20.10	4.83	4.59	0.04
17.55	4.63	4.39	0.05	20.15	4.83	4.60	0.04
17.60	4.63	4.40	0.05	20.20	4.84	4.60	0.04
17.65	4.64	4.40	0.05	20.25	4.84	4.60	0.04
17.70	4.64	4.41	0.05	20.30	4.84	4.61	0.04
17.75	4.65	4.41	0.05	20.35	4.85	4.61	0.04
17.80	4.65	4.42	0.04	20.40	4.85	4.61	0.04
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.04
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.04
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.04
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.04
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.04
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.04
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.03

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.03	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.03
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.03
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.03
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.03
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

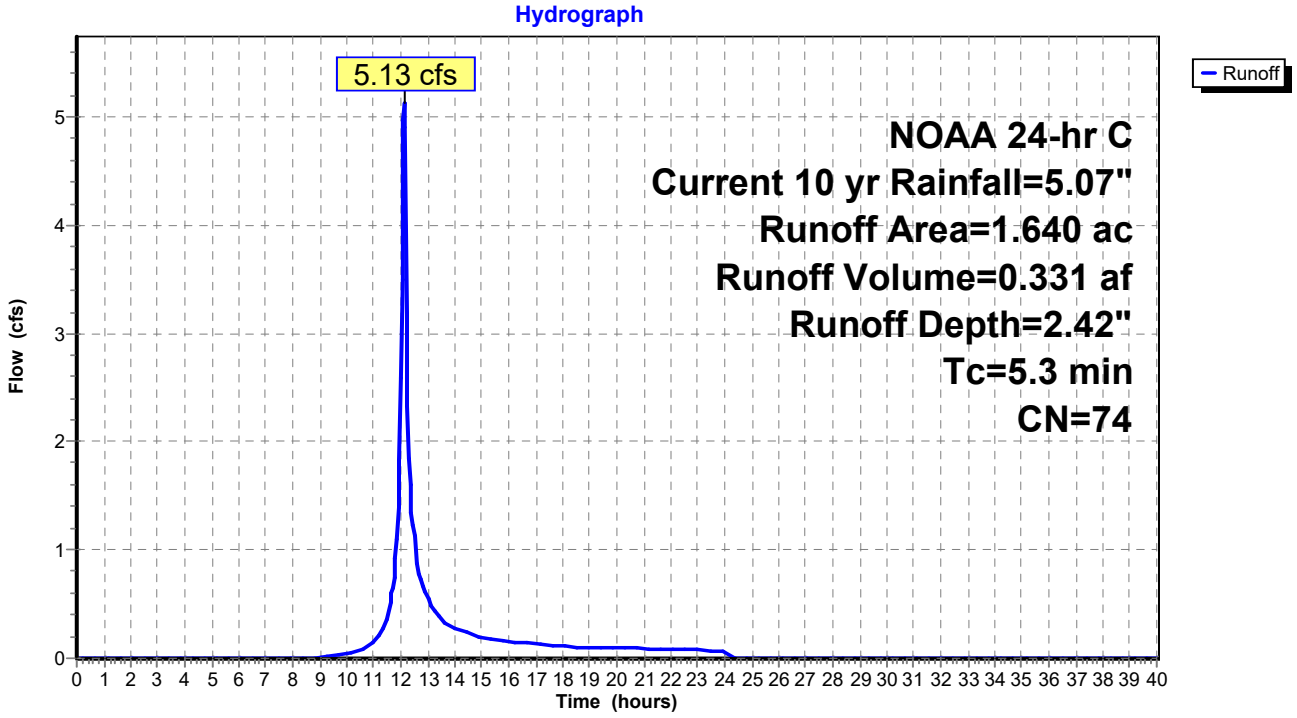
Runoff = 5.13 cfs @ 12.12 hrs, Volume= 0.331 af, Depth= 2.42"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.02
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.02
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.03
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.03
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.04
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.04
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.04
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.04
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.05
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.05
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.05
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.05
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.06

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.06	13.00	3.85	1.49	0.56
10.45	1.03	0.03	0.06	13.05	3.87	1.50	0.53
10.50	1.04	0.03	0.07	13.10	3.89	1.52	0.50
10.55	1.06	0.03	0.07	13.15	3.91	1.53	0.48
10.60	1.07	0.04	0.08	13.20	3.93	1.55	0.46
10.65	1.09	0.04	0.09	13.25	3.95	1.56	0.44
10.70	1.10	0.04	0.09	13.30	3.97	1.57	0.42
10.75	1.12	0.04	0.10	13.35	3.98	1.58	0.41
10.80	1.14	0.05	0.11	13.40	4.00	1.59	0.39
10.85	1.16	0.05	0.12	13.45	4.01	1.60	0.38
10.90	1.18	0.06	0.13	13.50	4.03	1.61	0.36
10.95	1.20	0.06	0.14	13.55	4.04	1.62	0.34
11.00	1.22	0.07	0.15	13.60	4.05	1.63	0.32
11.05	1.24	0.07	0.16	13.65	4.06	1.64	0.31
11.10	1.26	0.08	0.18	13.70	4.08	1.65	0.31
11.15	1.29	0.08	0.19	13.75	4.09	1.66	0.30
11.20	1.31	0.09	0.21	13.80	4.10	1.67	0.30
11.25	1.34	0.10	0.23	13.85	4.11	1.68	0.29
11.30	1.37	0.11	0.25	13.90	4.12	1.69	0.29
11.35	1.40	0.12	0.27	13.95	4.13	1.70	0.29
11.40	1.43	0.13	0.30	14.00	4.15	1.70	0.28
11.45	1.47	0.14	0.32	14.05	4.16	1.71	0.28
11.50	1.50	0.15	0.34	14.10	4.17	1.72	0.27
11.55	1.55	0.16	0.40	14.15	4.18	1.73	0.27
11.60	1.60	0.18	0.53	14.20	4.19	1.74	0.26
11.65	1.65	0.20	0.60	14.25	4.20	1.74	0.26
11.70	1.71	0.22	0.65	14.30	4.21	1.75	0.25
11.75	1.78	0.25	0.75	14.35	4.22	1.76	0.25
11.80	1.86	0.29	0.92	14.40	4.23	1.77	0.24
11.85	1.96	0.33	1.11	14.45	4.24	1.77	0.24
11.90	2.06	0.38	1.40	14.50	4.25	1.78	0.24
11.95	2.24	0.47	1.82	14.55	4.26	1.79	0.23
12.00	2.42	0.56	2.59	14.60	4.27	1.79	0.23
12.05	2.71	0.73	3.50	14.65	4.27	1.80	0.22
12.10	3.01	0.91	**4.97**	14.70	4.28	1.81	0.22
12.15	3.11	0.98	4.91	14.75	4.29	1.81	0.21
12.20	3.21	1.05	3.18	14.80	4.30	1.82	0.21
12.25	3.29	1.10	2.33	14.85	4.31	1.82	0.20
12.30	3.36	1.15	1.85	14.90	4.31	1.83	0.20
12.35	3.42	1.18	1.60	14.95	4.32	1.84	0.20
12.40	3.47	1.22	1.34	15.00	4.33	1.84	0.19
12.45	3.52	1.25	1.24	15.05	4.34	1.85	0.19
12.50	3.57	1.29	1.19	15.10	4.34	1.85	0.18
12.55	3.60	1.31	1.09	15.15	4.35	1.86	0.18
12.60	3.64	1.34	0.88	15.20	4.36	1.86	0.18
12.65	3.67	1.36	0.78	15.25	4.36	1.87	0.18
12.70	3.70	1.38	0.74	15.30	4.37	1.87	0.17
12.75	3.73	1.40	0.72	15.35	4.38	1.88	0.17
12.80	3.76	1.42	0.68	15.40	4.39	1.88	0.17
12.85	3.78	1.44	0.66	15.45	4.39	1.89	0.17
12.90	3.81	1.46	0.62	15.50	4.40	1.89	0.17
12.95	3.83	1.47	0.60	15.55	4.41	1.90	0.17

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.17	18.20	4.68	2.12	0.10
15.65	4.42	1.91	0.17	18.25	4.69	2.12	0.10
15.70	4.42	1.91	0.16	18.30	4.69	2.12	0.10
15.75	4.43	1.92	0.16	18.35	4.70	2.12	0.10
15.80	4.44	1.92	0.16	18.40	4.70	2.13	0.10
15.85	4.44	1.93	0.16	18.45	4.70	2.13	0.10
15.90	4.45	1.93	0.16	18.50	4.71	2.13	0.10
15.95	4.46	1.94	0.16	18.55	4.71	2.14	0.10
16.00	4.46	1.94	0.16	18.60	4.72	2.14	0.10
16.05	4.47	1.95	0.16	18.65	4.72	2.14	0.10
16.10	4.47	1.95	0.16	18.70	4.72	2.15	0.10
16.15	4.48	1.96	0.15	18.75	4.73	2.15	0.10
16.20	4.49	1.96	0.15	18.80	4.73	2.15	0.10
16.25	4.49	1.97	0.15	18.85	4.74	2.16	0.10
16.30	4.50	1.97	0.15	18.90	4.74	2.16	0.10
16.35	4.50	1.98	0.15	18.95	4.74	2.16	0.10
16.40	4.51	1.98	0.15	19.00	4.75	2.16	0.10
16.45	4.52	1.98	0.15	19.05	4.75	2.17	0.10
16.50	4.52	1.99	0.15	19.10	4.76	2.17	0.10
16.55	4.53	1.99	0.14	19.15	4.76	2.17	0.10
16.60	4.53	2.00	0.14	19.20	4.76	2.18	0.10
16.65	4.54	2.00	0.14	19.25	4.77	2.18	0.10
16.70	4.54	2.01	0.14	19.30	4.77	2.18	0.10
16.75	4.55	2.01	0.14	19.35	4.77	2.19	0.10
16.80	4.55	2.01	0.14	19.40	4.78	2.19	0.10
16.85	4.56	2.02	0.14	19.45	4.78	2.19	0.10
16.90	4.57	2.02	0.14	19.50	4.79	2.19	0.10
16.95	4.57	2.03	0.14	19.55	4.79	2.20	0.10
17.00	4.58	2.03	0.13	19.60	4.79	2.20	0.10
17.05	4.58	2.03	0.13	19.65	4.80	2.20	0.10
17.10	4.59	2.04	0.13	19.70	4.80	2.21	0.10
17.15	4.59	2.04	0.13	19.75	4.80	2.21	0.10
17.20	4.60	2.05	0.13	19.80	4.81	2.21	0.10
17.25	4.60	2.05	0.13	19.85	4.81	2.21	0.10
17.30	4.61	2.05	0.13	19.90	4.81	2.22	0.09
17.35	4.61	2.06	0.12	19.95	4.82	2.22	0.09
17.40	4.61	2.06	0.12	20.00	4.82	2.22	0.09
17.45	4.62	2.06	0.12	20.05	4.83	2.23	0.09
17.50	4.62	2.07	0.12	20.10	4.83	2.23	0.09
17.55	4.63	2.07	0.12	20.15	4.83	2.23	0.09
17.60	4.63	2.08	0.12	20.20	4.84	2.23	0.09
17.65	4.64	2.08	0.12	20.25	4.84	2.24	0.09
17.70	4.64	2.08	0.12	20.30	4.84	2.24	0.09
17.75	4.65	2.09	0.12	20.35	4.85	2.24	0.09
17.80	4.65	2.09	0.11	20.40	4.85	2.25	0.09
17.85	4.66	2.09	0.11	20.45	4.85	2.25	0.09
17.90	4.66	2.10	0.11	20.50	4.86	2.25	0.09
17.95	4.66	2.10	0.11	20.55	4.86	2.25	0.09
18.00	4.67	2.10	0.11	20.60	4.86	2.26	0.09
18.05	4.67	2.11	0.11	20.65	4.87	2.26	0.09
18.10	4.68	2.11	0.11	20.70	4.87	2.26	0.09
18.15	4.68	2.11	0.11	20.75	4.87	2.26	0.09

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.09	23.40	5.04	2.39	0.07
20.85	4.88	2.27	0.09	23.45	5.04	2.40	0.07
20.90	4.88	2.27	0.09	23.50	5.04	2.40	0.07
20.95	4.89	2.28	0.09	23.55	5.04	2.40	0.07
21.00	4.89	2.28	0.09	23.60	5.05	2.40	0.07
21.05	4.89	2.28	0.09	23.65	5.05	2.40	0.07
21.10	4.90	2.28	0.09	23.70	5.05	2.41	0.07
21.15	4.90	2.29	0.09	23.75	5.06	2.41	0.07
21.20	4.90	2.29	0.09	23.80	5.06	2.41	0.07
21.25	4.91	2.29	0.09	23.85	5.06	2.41	0.07
21.30	4.91	2.29	0.09	23.90	5.06	2.42	0.07
21.35	4.91	2.30	0.09	23.95	5.07	2.42	0.07
21.40	4.92	2.30	0.09	24.00	**5.07**	**2.42**	0.08
21.45	4.92	2.30	0.09	24.05	5.07	2.42	0.07
21.50	4.92	2.30	0.08	24.10	5.07	2.42	0.02
21.55	4.93	2.31	0.08	24.15	5.07	2.42	0.01
21.60	4.93	2.31	0.08	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.08	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.08	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.08	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.08	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.08	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.08	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.08	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.08	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.08	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.08	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.08	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.08	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.08	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.08	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.08	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.08	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.08	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.08	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.08	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.08	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.08	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.08	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.08	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.08	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.08	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.08	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.08	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.08	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.08	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.07	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.07	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.07	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.07	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.07	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.07	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

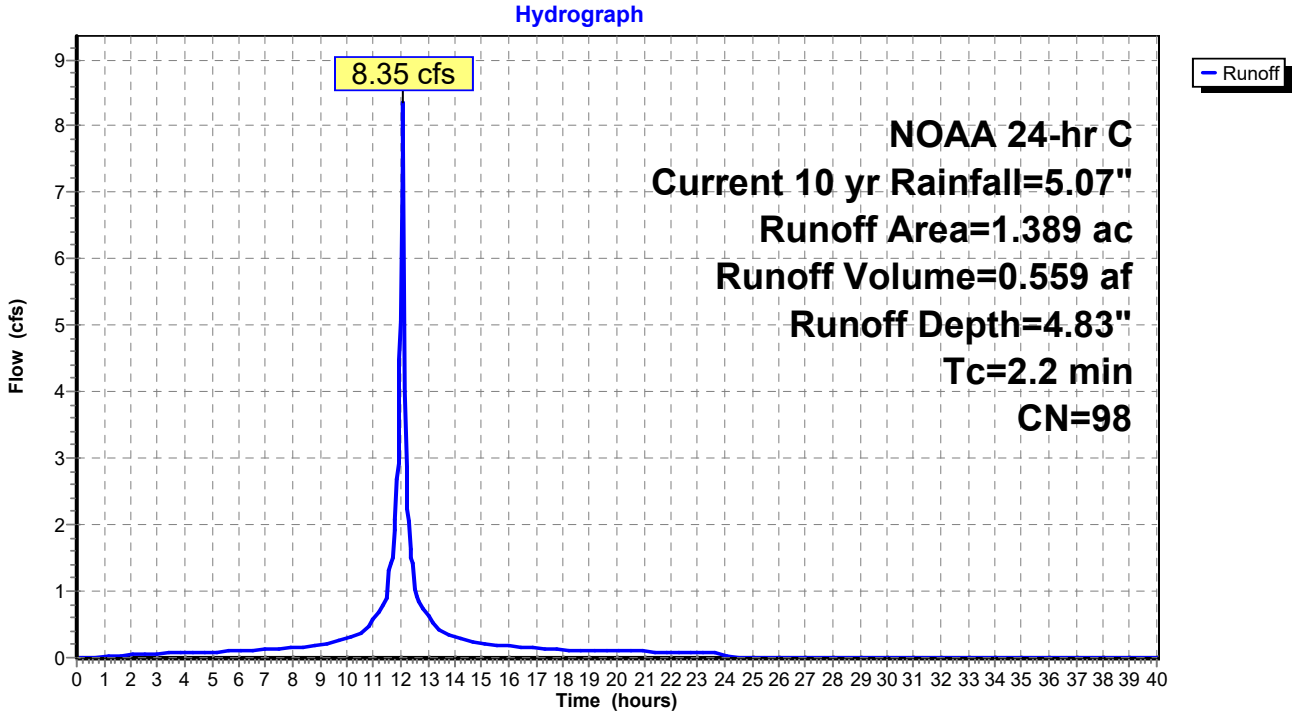
Runoff = 8.35 cfs @ 12.08 hrs, Volume= 0.559 af, Depth= 4.83"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.05
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.05
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.05
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.06
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.06
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.06
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.06
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.06
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.06
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.06
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.06
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.06
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.06
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.06
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.06
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.07
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.07
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.07
0.90	0.05	0.00	0.01	3.50	0.21	0.08	0.07
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.07
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.07
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.07
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.07
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.07
1.20	0.07	0.00	0.02	3.80	0.23	0.09	0.07
1.25	0.07	0.00	0.02	3.85	0.24	0.10	0.07
1.30	0.07	0.00	0.02	3.90	0.24	0.10	0.07
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.07
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.08
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.08
1.50	0.08	0.01	0.03	4.10	0.26	0.11	0.08
1.55	0.09	0.01	0.03	4.15	0.26	0.11	0.08
1.60	0.09	0.01	0.03	4.20	0.26	0.12	0.08
1.65	0.09	0.01	0.03	4.25	0.27	0.12	0.08
1.70	0.10	0.01	0.03	4.30	0.27	0.12	0.08
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.08
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.08
1.85	0.11	0.02	0.04	4.45	0.28	0.13	0.08
1.90	0.11	0.02	0.04	4.50	0.28	0.13	0.08
1.95	0.11	0.02	0.04	4.55	0.29	0.14	0.08
2.00	0.11	0.02	0.04	4.60	0.29	0.14	0.08
2.05	0.12	0.02	0.04	4.65	0.30	0.14	0.08
2.10	0.12	0.02	0.04	4.70	0.30	0.14	0.08
2.15	0.12	0.02	0.04	4.75	0.30	0.15	0.09
2.20	0.13	0.03	0.04	4.80	0.31	0.15	0.09
2.25	0.13	0.03	0.05	4.85	0.31	0.15	0.09
2.30	0.13	0.03	0.05	4.90	0.31	0.16	0.09
2.35	0.14	0.03	0.05	4.95	0.32	0.16	0.09
2.40	0.14	0.03	0.05	5.00	0.32	0.16	0.09
2.45	0.14	0.03	0.05	5.05	0.33	0.17	0.09
2.50	0.15	0.04	0.05	5.10	0.33	0.17	0.09
2.55	0.15	0.04	0.05	5.15	0.33	0.17	0.09

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.09	7.80	0.58	0.39	0.15
5.25	0.34	0.18	0.09	7.85	0.59	0.40	0.16
5.30	0.35	0.18	0.09	7.90	0.60	0.41	0.16
5.35	0.35	0.19	0.09	7.95	0.60	0.41	0.16
5.40	0.35	0.19	0.09	8.00	0.61	0.42	0.16
5.45	0.36	0.19	0.09	8.05	0.61	0.42	0.16
5.50	0.36	0.20	0.09	8.10	0.62	0.43	0.16
5.55	0.37	0.20	0.09	8.15	0.63	0.43	0.16
5.60	0.37	0.20	0.09	8.20	0.63	0.44	0.17
5.65	0.37	0.21	0.10	8.25	0.64	0.45	0.17
5.70	0.38	0.21	0.10	8.30	0.65	0.45	0.17
5.75	0.38	0.21	0.10	8.35	0.65	0.46	0.17
5.80	0.39	0.22	0.10	8.40	0.66	0.46	0.17
5.85	0.39	0.22	0.10	8.45	0.66	0.47	0.17
5.90	0.39	0.22	0.10	8.50	0.67	0.48	0.17
5.95	0.40	0.23	0.10	8.55	0.68	0.48	0.18
6.00	0.40	0.23	0.10	8.60	0.68	0.49	0.18
6.05	0.41	0.23	0.10	8.65	0.69	0.50	0.18
6.10	0.41	0.24	0.10	8.70	0.70	0.50	0.18
6.15	0.41	0.24	0.10	8.75	0.71	0.51	0.18
6.20	0.42	0.25	0.11	8.80	0.71	0.51	0.18
6.25	0.42	0.25	0.11	8.85	0.72	0.52	0.18
6.30	0.43	0.25	0.11	8.90	0.73	0.53	0.19
6.35	0.43	0.26	0.11	8.95	0.73	0.53	0.19
6.40	0.44	0.26	0.11	9.00	0.74	0.54	0.19
6.45	0.44	0.27	0.11	9.05	0.75	0.55	0.20
6.50	0.45	0.27	0.11	9.10	0.76	0.56	0.20
6.55	0.45	0.27	0.12	9.15	0.76	0.56	0.21
6.60	0.46	0.28	0.12	9.20	0.77	0.57	0.21
6.65	0.46	0.28	0.12	9.25	0.78	0.58	0.22
6.70	0.46	0.29	0.12	9.30	0.79	0.59	0.22
6.75	0.47	0.29	0.12	9.35	0.80	0.59	0.23
6.80	0.47	0.29	0.12	9.40	0.80	0.60	0.23
6.85	0.48	0.30	0.12	9.45	0.81	0.61	0.24
6.90	0.48	0.30	0.13	9.50	0.82	0.62	0.24
6.95	0.49	0.31	0.13	9.55	0.83	0.63	0.25
7.00	0.49	0.31	0.13	9.60	0.84	0.64	0.25
7.05	0.50	0.32	0.13	9.65	0.85	0.65	0.26
7.10	0.50	0.32	0.13	9.70	0.86	0.66	0.26
7.15	0.51	0.33	0.13	9.75	0.87	0.67	0.27
7.20	0.52	0.33	0.13	9.80	0.88	0.68	0.27
7.25	0.52	0.34	0.14	9.85	0.89	0.69	0.28
7.30	0.53	0.34	0.14	9.90	0.90	0.70	0.28
7.35	0.53	0.35	0.14	9.95	0.91	0.71	0.29
7.40	0.54	0.35	0.14	10.00	0.92	0.72	0.29
7.45	0.54	0.36	0.14	10.05	0.94	0.73	0.30
7.50	0.55	0.36	0.14	10.10	0.95	0.74	0.31
7.55	0.55	0.37	0.15	10.15	0.96	0.75	0.31
7.60	0.56	0.37	0.15	10.20	0.97	0.76	0.32
7.65	0.57	0.38	0.15	10.25	0.98	0.77	0.32
7.70	0.57	0.38	0.15	10.30	0.99	0.79	0.33
7.75	0.58	0.39	0.15	10.35	1.01	0.80	0.33

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.34	13.00	3.85	3.62	0.63
10.45	1.03	0.82	0.35	13.05	3.87	3.64	0.58
10.50	1.04	0.83	0.35	13.10	3.89	3.66	0.56
10.55	1.06	0.85	0.38	13.15	3.91	3.68	0.53
10.60	1.07	0.86	0.39	13.20	3.93	3.70	0.52
10.65	1.09	0.88	0.42	13.25	3.95	3.71	0.49
10.70	1.10	0.89	0.43	13.30	3.97	3.73	0.48
10.75	1.12	0.91	0.46	13.35	3.98	3.75	0.45
10.80	1.14	0.93	0.47	13.40	4.00	3.76	0.44
10.85	1.16	0.94	0.50	13.45	4.01	3.78	0.41
10.90	1.18	0.96	0.51	13.50	4.03	3.79	0.40
10.95	1.20	0.98	0.54	13.55	4.04	3.80	0.37
11.00	1.22	1.00	0.55	13.60	4.05	3.82	0.36
11.05	1.24	1.02	0.61	13.65	4.06	3.83	0.35
11.10	1.26	1.05	0.63	13.70	4.08	3.84	0.35
11.15	1.29	1.07	0.69	13.75	4.09	3.85	0.34
11.20	1.31	1.10	0.70	13.80	4.10	3.86	0.34
11.25	1.34	1.12	0.76	13.85	4.11	3.88	0.33
11.30	1.37	1.15	0.78	13.90	4.12	3.89	0.33
11.35	1.40	1.18	0.84	13.95	4.13	3.90	0.32
11.40	1.43	1.21	0.86	14.00	4.15	3.91	0.31
11.45	1.47	1.25	0.90	14.05	4.16	3.92	0.31
11.50	1.50	1.28	0.93	14.10	4.17	3.93	0.30
11.55	1.55	1.33	1.31	14.15	4.18	3.94	0.30
11.60	1.60	1.38	1.42	14.20	4.19	3.95	0.29
11.65	1.65	1.43	1.48	14.25	4.20	3.96	0.29
11.70	1.71	1.49	1.51	14.30	4.21	3.97	0.28
11.75	1.78	1.56	1.93	14.35	4.22	3.98	0.28
11.80	1.86	1.63	2.08	14.40	4.23	3.99	0.27
11.85	1.96	1.73	2.68	14.45	4.24	4.00	0.27
11.90	2.06	1.84	2.93	14.50	4.25	4.01	0.26
11.95	2.24	2.01	4.48	14.55	4.26	4.02	0.25
12.00	2.42	2.19	5.06	14.60	4.27	4.03	0.25
12.05	2.71	2.48	7.53	14.65	4.27	4.04	0.24
12.10	3.01	2.78	**8.01**	14.70	4.28	4.05	0.24
12.15	3.11	2.88	4.02	14.75	4.29	4.06	0.23
12.20	3.21	2.98	2.87	14.80	4.30	4.06	0.23
12.25	3.29	3.05	2.24	14.85	4.31	4.07	0.22
12.30	3.36	3.13	2.05	14.90	4.31	4.08	0.22
12.35	3.42	3.18	1.63	14.95	4.32	4.09	0.21
12.40	3.47	3.24	1.51	15.00	4.33	4.09	0.21
12.45	3.52	3.29	1.45	15.05	4.34	4.10	0.20
12.50	3.57	3.34	1.41	15.10	4.34	4.11	0.20
12.55	3.60	3.37	1.03	15.15	4.35	4.12	0.20
12.60	3.64	3.40	0.92	15.20	4.36	4.12	0.20
12.65	3.67	3.43	0.88	15.25	4.36	4.13	0.19
12.70	3.70	3.47	0.86	15.30	4.37	4.14	0.19
12.75	3.73	3.49	0.81	15.35	4.38	4.14	0.19
12.80	3.76	3.52	0.79	15.40	4.39	4.15	0.19
12.85	3.78	3.55	0.73	15.45	4.39	4.16	0.19
12.90	3.81	3.57	0.71	15.50	4.40	4.16	0.19
12.95	3.83	3.60	0.65	15.55	4.41	4.17	0.19

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.18	18.20	4.68	4.45	0.11
15.65	4.42	4.18	0.18	18.25	4.69	4.45	0.11
15.70	4.42	4.19	0.18	18.30	4.69	4.46	0.11
15.75	4.43	4.20	0.18	18.35	4.70	4.46	0.11
15.80	4.44	4.20	0.18	18.40	4.70	4.46	0.11
15.85	4.44	4.21	0.18	18.45	4.70	4.47	0.11
15.90	4.45	4.21	0.18	18.50	4.71	4.47	0.11
15.95	4.46	4.22	0.17	18.55	4.71	4.48	0.11
16.00	4.46	4.23	0.17	18.60	4.72	4.48	0.11
16.05	4.47	4.23	0.17	18.65	4.72	4.48	0.11
16.10	4.47	4.24	0.17	18.70	4.72	4.49	0.11
16.15	4.48	4.24	0.17	18.75	4.73	4.49	0.11
16.20	4.49	4.25	0.17	18.80	4.73	4.50	0.11
16.25	4.49	4.26	0.17	18.85	4.74	4.50	0.11
16.30	4.50	4.26	0.16	18.90	4.74	4.50	0.11
16.35	4.50	4.27	0.16	18.95	4.74	4.51	0.11
16.40	4.51	4.27	0.16	19.00	4.75	4.51	0.11
16.45	4.52	4.28	0.16	19.05	4.75	4.51	0.11
16.50	4.52	4.29	0.16	19.10	4.76	4.52	0.11
16.55	4.53	4.29	0.16	19.15	4.76	4.52	0.11
16.60	4.53	4.30	0.16	19.20	4.76	4.53	0.11
16.65	4.54	4.30	0.15	19.25	4.77	4.53	0.11
16.70	4.54	4.31	0.15	19.30	4.77	4.53	0.11
16.75	4.55	4.31	0.15	19.35	4.77	4.54	0.11
16.80	4.55	4.32	0.15	19.40	4.78	4.54	0.10
16.85	4.56	4.32	0.15	19.45	4.78	4.55	0.10
16.90	4.57	4.33	0.15	19.50	4.79	4.55	0.10
16.95	4.57	4.33	0.15	19.55	4.79	4.55	0.10
17.00	4.58	4.34	0.15	19.60	4.79	4.56	0.10
17.05	4.58	4.34	0.14	19.65	4.80	4.56	0.10
17.10	4.59	4.35	0.14	19.70	4.80	4.56	0.10
17.15	4.59	4.35	0.14	19.75	4.80	4.57	0.10
17.20	4.60	4.36	0.14	19.80	4.81	4.57	0.10
17.25	4.60	4.36	0.14	19.85	4.81	4.57	0.10
17.30	4.61	4.37	0.14	19.90	4.81	4.58	0.10
17.35	4.61	4.37	0.13	19.95	4.82	4.58	0.10
17.40	4.61	4.38	0.13	20.00	4.82	4.59	0.10
17.45	4.62	4.38	0.13	20.05	4.83	4.59	0.10
17.50	4.62	4.39	0.13	20.10	4.83	4.59	0.10
17.55	4.63	4.39	0.13	20.15	4.83	4.60	0.10
17.60	4.63	4.40	0.13	20.20	4.84	4.60	0.10
17.65	4.64	4.40	0.13	20.25	4.84	4.60	0.10
17.70	4.64	4.41	0.13	20.30	4.84	4.61	0.10
17.75	4.65	4.41	0.12	20.35	4.85	4.61	0.10
17.80	4.65	4.42	0.12	20.40	4.85	4.61	0.10
17.85	4.66	4.42	0.12	20.45	4.85	4.62	0.10
17.90	4.66	4.42	0.12	20.50	4.86	4.62	0.10
17.95	4.66	4.43	0.12	20.55	4.86	4.62	0.10
18.00	4.67	4.43	0.12	20.60	4.86	4.63	0.10
18.05	4.67	4.44	0.11	20.65	4.87	4.63	0.10
18.10	4.68	4.44	0.11	20.70	4.87	4.63	0.10
18.15	4.68	4.44	0.11	20.75	4.87	4.64	0.10

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.09	23.40	5.04	4.80	0.08
20.85	4.88	4.64	0.09	23.45	5.04	4.80	0.08
20.90	4.88	4.65	0.09	23.50	5.04	4.81	0.08
20.95	4.89	4.65	0.09	23.55	5.04	4.81	0.08
21.00	4.89	4.65	0.09	23.60	5.05	4.81	0.08
21.05	4.89	4.66	0.09	23.65	5.05	4.81	0.08
21.10	4.90	4.66	0.09	23.70	5.05	4.82	0.08
21.15	4.90	4.66	0.09	23.75	5.06	4.82	0.07
21.20	4.90	4.67	0.09	23.80	5.06	4.82	0.07
21.25	4.91	4.67	0.09	23.85	5.06	4.82	0.07
21.30	4.91	4.67	0.09	23.90	5.06	4.83	0.07
21.35	4.91	4.68	0.09	23.95	5.07	4.83	0.09
21.40	4.92	4.68	0.09	24.00	**5.07**	**4.83**	0.09
21.45	4.92	4.68	0.09	24.05	5.07	4.83	0.02
21.50	4.92	4.69	0.09	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.09	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.09	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.09	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.09	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.09	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.09	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.09	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.09	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.09	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.09	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.09	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.09	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.09	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.09	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.08	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.08	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.08	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.08	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.08	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.08	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.08	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.08	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.08	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.08	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.08	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.08	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.08	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.08	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.08	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.08	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.08	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.08	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.08	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.08	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.08	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.08	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.08	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

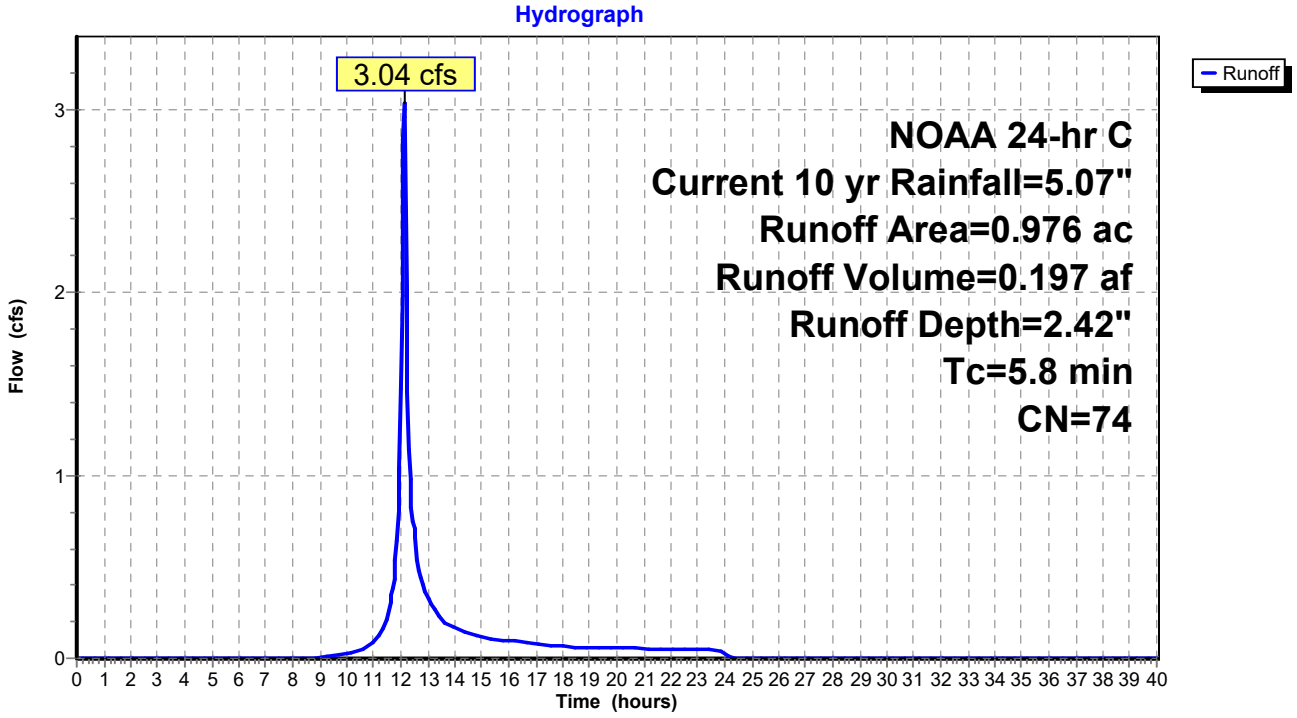
Runoff = 3.04 cfs @ 12.13 hrs, Volume= 0.197 af, Depth= 2.42"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.34
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.32
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.30
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.29
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.27
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.27
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.25
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.25
10.80	1.14	0.05	0.06	13.40	4.00	1.59	0.23
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.23
10.90	1.18	0.06	0.08	13.50	4.03	1.61	0.21
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.20
11.00	1.22	0.07	0.09	13.60	4.05	1.63	0.19
11.05	1.24	0.07	0.09	13.65	4.06	1.64	0.19
11.10	1.26	0.08	0.10	13.70	4.08	1.65	0.18
11.15	1.29	0.08	0.11	13.75	4.09	1.66	0.18
11.20	1.31	0.09	0.12	13.80	4.10	1.67	0.18
11.25	1.34	0.10	0.14	13.85	4.11	1.68	0.18
11.30	1.37	0.11	0.15	13.90	4.12	1.69	0.17
11.35	1.40	0.12	0.16	13.95	4.13	1.70	0.17
11.40	1.43	0.13	0.18	14.00	4.15	1.70	0.17
11.45	1.47	0.14	0.19	14.05	4.16	1.71	0.16
11.50	1.50	0.15	0.20	14.10	4.17	1.72	0.16
11.55	1.55	0.16	0.23	14.15	4.18	1.73	0.16
11.60	1.60	0.18	0.30	14.20	4.19	1.74	0.16
11.65	1.65	0.20	0.35	14.25	4.20	1.74	0.15
11.70	1.71	0.22	0.38	14.30	4.21	1.75	0.15
11.75	1.78	0.25	0.43	14.35	4.22	1.76	0.15
11.80	1.86	0.29	0.53	14.40	4.23	1.77	0.15
11.85	1.96	0.33	0.64	14.45	4.24	1.77	0.14
11.90	2.06	0.38	0.81	14.50	4.25	1.78	0.14
11.95	2.24	0.47	1.04	14.55	4.26	1.79	0.14
12.00	2.42	0.56	1.48	14.60	4.27	1.79	0.14
12.05	2.71	0.73	1.99	14.65	4.27	1.80	0.13
12.10	3.01	0.91	2.84	14.70	4.28	1.81	0.13
12.15	3.11	0.98	**2.96**	14.75	4.29	1.81	0.13
12.20	3.21	1.05	2.02	14.80	4.30	1.82	0.12
12.25	3.29	1.10	1.46	14.85	4.31	1.82	0.12
12.30	3.36	1.15	1.14	14.90	4.31	1.83	0.12
12.35	3.42	1.18	0.98	14.95	4.32	1.84	0.12
12.40	3.47	1.22	0.82	15.00	4.33	1.84	0.11
12.45	3.52	1.25	0.75	15.05	4.34	1.85	0.11
12.50	3.57	1.29	0.71	15.10	4.34	1.85	0.11
12.55	3.60	1.31	0.66	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.54	15.20	4.36	1.86	0.11
12.65	3.67	1.36	0.47	15.25	4.36	1.87	0.10
12.70	3.70	1.38	0.45	15.30	4.37	1.87	0.10
12.75	3.73	1.40	0.43	15.35	4.38	1.88	0.10
12.80	3.76	1.42	0.41	15.40	4.39	1.88	0.10
12.85	3.78	1.44	0.39	15.45	4.39	1.89	0.10
12.90	3.81	1.46	0.37	15.50	4.40	1.89	0.10
12.95	3.83	1.47	0.36	15.55	4.41	1.90	0.10

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.10	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.10	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.10	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.10	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.10	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.09	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.09	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.09	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.09	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.09	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.09	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.09	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.09	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.09	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.08	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.08	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.08	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.08	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.08	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.08	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.07	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.04
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.02
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 16AI: PDA-16A (impervious)

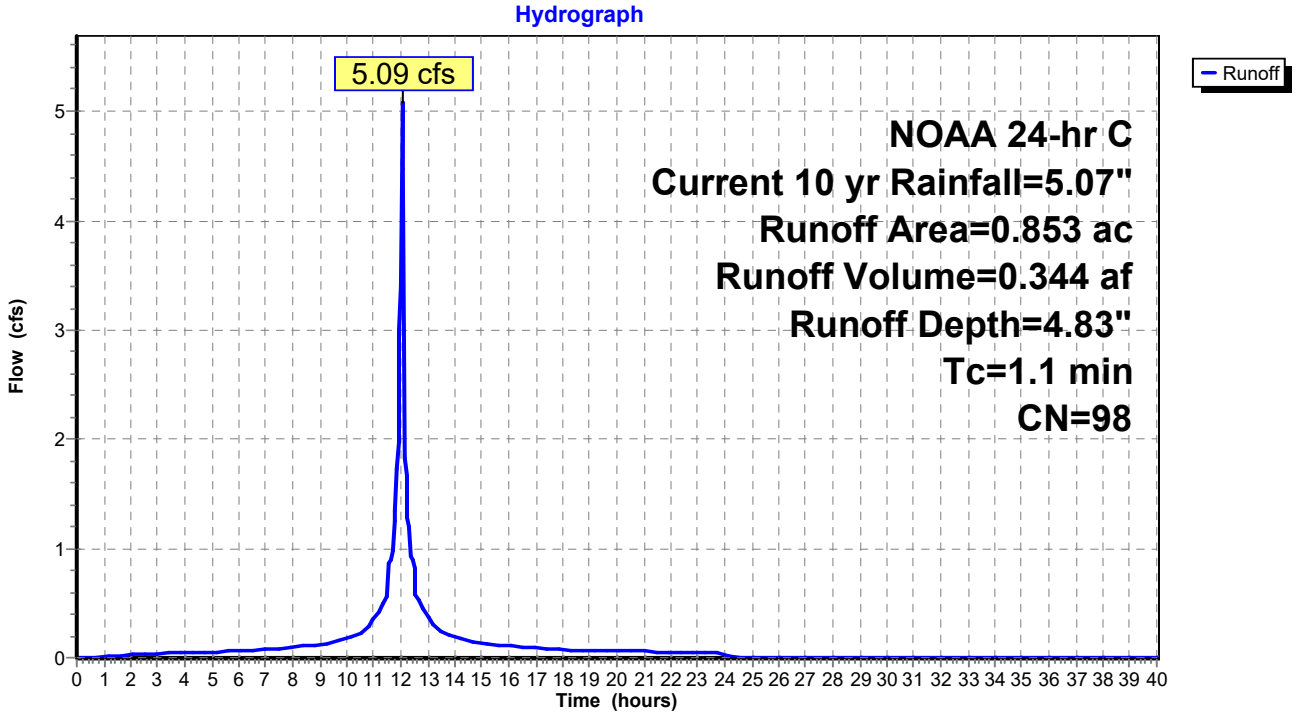
Runoff = 5.09 cfs @ 12.06 hrs, Volume= 0.344 af, Depth= 4.83"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 16AI: PDA-16A (impervious)



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.04
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.04
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.04
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.05
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.05
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.05
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.05
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.05
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.05
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.05
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.05
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.05
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.05
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.05
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.03	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.06

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.06	7.80	0.58	0.39	0.09
5.25	0.34	0.18	0.06	7.85	0.59	0.40	0.10
5.30	0.35	0.18	0.06	7.90	0.60	0.41	0.10
5.35	0.35	0.19	0.06	7.95	0.60	0.41	0.10
5.40	0.35	0.19	0.06	8.00	0.61	0.42	0.10
5.45	0.36	0.19	0.06	8.05	0.61	0.42	0.10
5.50	0.36	0.20	0.06	8.10	0.62	0.43	0.10
5.55	0.37	0.20	0.06	8.15	0.63	0.43	0.10
5.60	0.37	0.20	0.06	8.20	0.63	0.44	0.10
5.65	0.37	0.21	0.06	8.25	0.64	0.45	0.10
5.70	0.38	0.21	0.06	8.30	0.65	0.45	0.10
5.75	0.38	0.21	0.06	8.35	0.65	0.46	0.10
5.80	0.39	0.22	0.06	8.40	0.66	0.46	0.11
5.85	0.39	0.22	0.06	8.45	0.66	0.47	0.11
5.90	0.39	0.22	0.06	8.50	0.67	0.48	0.11
5.95	0.40	0.23	0.06	8.55	0.68	0.48	0.11
6.00	0.40	0.23	0.06	8.60	0.68	0.49	0.11
6.05	0.41	0.23	0.06	8.65	0.69	0.50	0.11
6.10	0.41	0.24	0.06	8.70	0.70	0.50	0.11
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.11
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.11
6.25	0.42	0.25	0.07	8.85	0.72	0.52	0.11
6.30	0.43	0.25	0.07	8.90	0.73	0.53	0.11
6.35	0.43	0.26	0.07	8.95	0.73	0.53	0.12
6.40	0.44	0.26	0.07	9.00	0.74	0.54	0.12
6.45	0.44	0.27	0.07	9.05	0.75	0.55	0.12
6.50	0.45	0.27	0.07	9.10	0.76	0.56	0.12
6.55	0.45	0.27	0.07	9.15	0.76	0.56	0.13
6.60	0.46	0.28	0.07	9.20	0.77	0.57	0.13
6.65	0.46	0.28	0.07	9.25	0.78	0.58	0.14
6.70	0.46	0.29	0.07	9.30	0.79	0.59	0.14
6.75	0.47	0.29	0.07	9.35	0.80	0.59	0.14
6.80	0.47	0.29	0.08	9.40	0.80	0.60	0.14
6.85	0.48	0.30	0.08	9.45	0.81	0.61	0.15
6.90	0.48	0.30	0.08	9.50	0.82	0.62	0.15
6.95	0.49	0.31	0.08	9.55	0.83	0.63	0.15
7.00	0.49	0.31	0.08	9.60	0.84	0.64	0.16
7.05	0.50	0.32	0.08	9.65	0.85	0.65	0.16
7.10	0.50	0.32	0.08	9.70	0.86	0.66	0.16
7.15	0.51	0.33	0.08	9.75	0.87	0.67	0.17
7.20	0.52	0.33	0.08	9.80	0.88	0.68	0.17
7.25	0.52	0.34	0.08	9.85	0.89	0.69	0.17
7.30	0.53	0.34	0.08	9.90	0.90	0.70	0.18
7.35	0.53	0.35	0.09	9.95	0.91	0.71	0.18
7.40	0.54	0.35	0.09	10.00	0.92	0.72	0.18
7.45	0.54	0.36	0.09	10.05	0.94	0.73	0.19
7.50	0.55	0.36	0.09	10.10	0.95	0.74	0.19
7.55	0.55	0.37	0.09	10.15	0.96	0.75	0.19
7.60	0.56	0.37	0.09	10.20	0.97	0.76	0.20
7.65	0.57	0.38	0.09	10.25	0.98	0.77	0.20
7.70	0.57	0.38	0.09	10.30	0.99	0.79	0.20
7.75	0.58	0.39	0.09	10.35	1.01	0.80	0.21

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.21	13.00	3.85	3.62	0.38
10.45	1.03	0.82	0.21	13.05	3.87	3.64	0.35
10.50	1.04	0.83	0.22	13.10	3.89	3.66	0.34
10.55	1.06	0.85	0.24	13.15	3.91	3.68	0.32
10.60	1.07	0.86	0.24	13.20	3.93	3.70	0.32
10.65	1.09	0.88	0.26	13.25	3.95	3.71	0.30
10.70	1.10	0.89	0.27	13.30	3.97	3.73	0.29
10.75	1.12	0.91	0.29	13.35	3.98	3.75	0.27
10.80	1.14	0.93	0.29	13.40	4.00	3.76	0.27
10.85	1.16	0.94	0.31	13.45	4.01	3.78	0.25
10.90	1.18	0.96	0.32	13.50	4.03	3.79	0.24
10.95	1.20	0.98	0.34	13.55	4.04	3.80	0.22
11.00	1.22	1.00	0.35	13.60	4.05	3.82	0.22
11.05	1.24	1.02	0.38	13.65	4.06	3.83	0.21
11.10	1.26	1.05	0.39	13.70	4.08	3.84	0.21
11.15	1.29	1.07	0.43	13.75	4.09	3.85	0.21
11.20	1.31	1.10	0.44	13.80	4.10	3.86	0.21
11.25	1.34	1.12	0.48	13.85	4.11	3.88	0.20
11.30	1.37	1.15	0.49	13.90	4.12	3.89	0.20
11.35	1.40	1.18	0.52	13.95	4.13	3.90	0.19
11.40	1.43	1.21	0.53	14.00	4.15	3.91	0.19
11.45	1.47	1.25	0.56	14.05	4.16	3.92	0.19
11.50	1.50	1.28	0.62	14.10	4.17	3.93	0.19
11.55	1.55	1.33	0.86	14.15	4.18	3.94	0.18
11.60	1.60	1.38	0.88	14.20	4.19	3.95	0.18
11.65	1.65	1.43	0.92	14.25	4.20	3.96	0.17
11.70	1.71	1.49	0.98	14.30	4.21	3.97	0.17
11.75	1.78	1.56	1.25	14.35	4.22	3.98	0.17
11.80	1.86	1.63	1.35	14.40	4.23	3.99	0.17
11.85	1.96	1.73	1.74	14.45	4.24	4.00	0.16
11.90	2.06	1.84	1.98	14.50	4.25	4.01	0.16
11.95	2.24	2.01	3.00	14.55	4.26	4.02	0.15
12.00	2.42	2.19	3.39	14.60	4.27	4.03	0.15
12.05	2.71	2.48	**5.02**	14.65	4.27	4.04	0.15
12.10	3.01	2.78	4.47	14.70	4.28	4.05	0.15
12.15	3.11	2.88	1.83	14.75	4.29	4.06	0.14
12.20	3.21	2.98	1.67	14.80	4.30	4.06	0.14
12.25	3.29	3.05	1.28	14.85	4.31	4.07	0.14
12.30	3.36	3.13	1.21	14.90	4.31	4.08	0.13
12.35	3.42	3.18	0.93	14.95	4.32	4.09	0.13
12.40	3.47	3.24	0.92	15.00	4.33	4.09	0.13
12.45	3.52	3.29	0.88	15.05	4.34	4.10	0.12
12.50	3.57	3.34	0.82	15.10	4.34	4.11	0.12
12.55	3.60	3.37	0.57	15.15	4.35	4.12	0.12
12.60	3.64	3.40	0.56	15.20	4.36	4.12	0.12
12.65	3.67	3.43	0.53	15.25	4.36	4.13	0.12
12.70	3.70	3.47	0.52	15.30	4.37	4.14	0.12
12.75	3.73	3.49	0.49	15.35	4.38	4.14	0.12
12.80	3.76	3.52	0.48	15.40	4.39	4.15	0.12
12.85	3.78	3.55	0.44	15.45	4.39	4.16	0.11
12.90	3.81	3.57	0.43	15.50	4.40	4.16	0.11
12.95	3.83	3.60	0.39	15.55	4.41	4.17	0.11

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.07
15.75	4.43	4.20	0.11	18.35	4.70	4.46	0.07
15.80	4.44	4.20	0.11	18.40	4.70	4.46	0.07
15.85	4.44	4.21	0.11	18.45	4.70	4.47	0.07
15.90	4.45	4.21	0.11	18.50	4.71	4.47	0.07
15.95	4.46	4.22	0.11	18.55	4.71	4.48	0.07
16.00	4.46	4.23	0.11	18.60	4.72	4.48	0.07
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.07
16.10	4.47	4.24	0.10	18.70	4.72	4.49	0.07
16.15	4.48	4.24	0.10	18.75	4.73	4.49	0.07
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.07
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.07
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.07
16.35	4.50	4.27	0.10	18.95	4.74	4.51	0.07
16.40	4.51	4.27	0.10	19.00	4.75	4.51	0.07
16.45	4.52	4.28	0.10	19.05	4.75	4.51	0.07
16.50	4.52	4.29	0.10	19.10	4.76	4.52	0.07
16.55	4.53	4.29	0.10	19.15	4.76	4.52	0.07
16.60	4.53	4.30	0.10	19.20	4.76	4.53	0.07
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.09	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.09	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.09	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.09	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.09	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.08	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.08	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.08	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.06
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.06
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.06
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.06
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.06
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.06
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.06
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.06

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.06	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.06	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.06	23.50	5.04	4.81	0.05
20.95	4.89	4.65	0.06	23.55	5.04	4.81	0.05
21.00	4.89	4.65	0.06	23.60	5.05	4.81	0.05
21.05	4.89	4.66	0.06	23.65	5.05	4.81	0.05
21.10	4.90	4.66	0.06	23.70	5.05	4.82	0.05
21.15	4.90	4.66	0.06	23.75	5.06	4.82	0.05
21.20	4.90	4.67	0.06	23.80	5.06	4.82	0.05
21.25	4.91	4.67	0.06	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.06	23.90	5.06	4.83	0.05
21.35	4.91	4.68	0.06	23.95	5.07	4.83	0.06
21.40	4.92	4.68	0.06	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.06	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.06	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.05	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.05	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.05	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.05	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

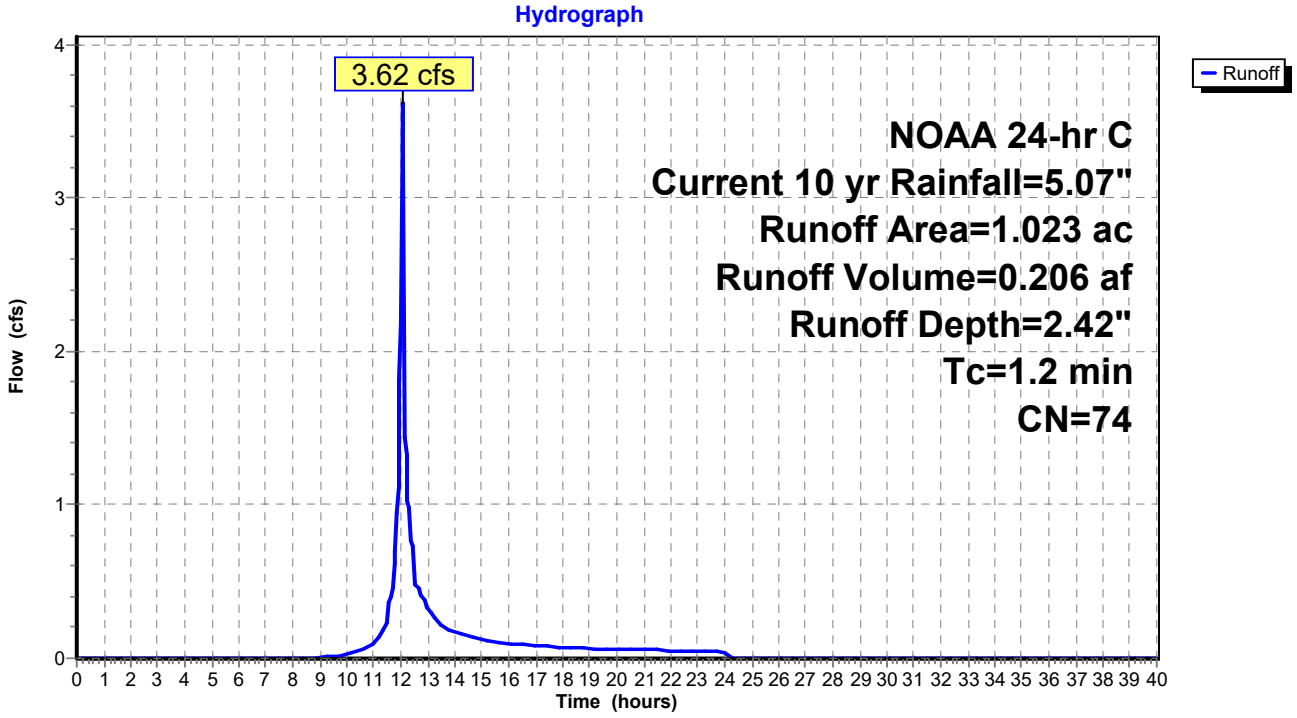
Runoff = 3.62 cfs @ 12.07 hrs, Volume= 0.206 af, Depth= 2.42"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.33
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.30
10.50	1.04	0.03	0.05	13.10	3.89	1.52	0.30
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.28
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.28
10.65	1.09	0.04	0.06	13.25	3.95	1.56	0.26
10.70	1.10	0.04	0.06	13.30	3.97	1.57	0.26
10.75	1.12	0.04	0.07	13.35	3.98	1.58	0.24
10.80	1.14	0.05	0.07	13.40	4.00	1.59	0.23
10.85	1.16	0.05	0.08	13.45	4.01	1.60	0.22
10.90	1.18	0.06	0.09	13.50	4.03	1.61	0.21
10.95	1.20	0.06	0.09	13.55	4.04	1.62	0.20
11.00	1.22	0.07	0.10	13.60	4.05	1.63	0.19
11.05	1.24	0.07	0.11	13.65	4.06	1.64	0.19
11.10	1.26	0.08	0.12	13.70	4.08	1.65	0.19
11.15	1.29	0.08	0.14	13.75	4.09	1.66	0.18
11.20	1.31	0.09	0.15	13.80	4.10	1.67	0.18
11.25	1.34	0.10	0.16	13.85	4.11	1.68	0.18
11.30	1.37	0.11	0.17	13.90	4.12	1.69	0.18
11.35	1.40	0.12	0.19	13.95	4.13	1.70	0.17
11.40	1.43	0.13	0.20	14.00	4.15	1.70	0.17
11.45	1.47	0.14	0.22	14.05	4.16	1.71	0.17
11.50	1.50	0.15	0.25	14.10	4.17	1.72	0.17
11.55	1.55	0.16	0.36	14.15	4.18	1.73	0.16
11.60	1.60	0.18	0.38	14.20	4.19	1.74	0.16
11.65	1.65	0.20	0.42	14.25	4.20	1.74	0.16
11.70	1.71	0.22	0.46	14.30	4.21	1.75	0.16
11.75	1.78	0.25	0.62	14.35	4.22	1.76	0.15
11.80	1.86	0.29	0.69	14.40	4.23	1.77	0.15
11.85	1.96	0.33	0.94	14.45	4.24	1.77	0.15
11.90	2.06	0.38	1.12	14.50	4.25	1.78	0.14
11.95	2.24	0.47	1.82	14.55	4.26	1.79	0.14
12.00	2.42	0.56	2.18	14.60	4.27	1.79	0.14
12.05	2.71	0.73	**3.49**	14.65	4.27	1.80	0.13
12.10	3.01	0.91	3.38	14.70	4.28	1.81	0.13
12.15	3.11	0.98	1.44	14.75	4.29	1.81	0.13
12.20	3.21	1.05	1.33	14.80	4.30	1.82	0.13
12.25	3.29	1.10	1.03	14.85	4.31	1.82	0.12
12.30	3.36	1.15	0.98	14.90	4.31	1.83	0.12
12.35	3.42	1.18	0.76	14.95	4.32	1.84	0.12
12.40	3.47	1.22	0.76	15.00	4.33	1.84	0.12
12.45	3.52	1.25	0.73	15.05	4.34	1.85	0.11
12.50	3.57	1.29	0.69	15.10	4.34	1.85	0.11
12.55	3.60	1.31	0.48	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.47	15.20	4.36	1.86	0.11
12.65	3.67	1.36	0.45	15.25	4.36	1.87	0.11
12.70	3.70	1.38	0.45	15.30	4.37	1.87	0.11
12.75	3.73	1.40	0.42	15.35	4.38	1.88	0.11
12.80	3.76	1.42	0.41	15.40	4.39	1.88	0.11
12.85	3.78	1.44	0.38	15.45	4.39	1.89	0.11
12.90	3.81	1.46	0.37	15.50	4.40	1.89	0.11
12.95	3.83	1.47	0.34	15.55	4.41	1.90	0.10

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.10	18.20	4.68	2.12	0.07
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.10	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.10	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.10	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.10	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.10	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.10	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.10	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.10	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.10	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.09	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.09	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.09	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.09	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.09	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.09	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.09	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.09	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.09	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.08	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.08	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.08	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.08	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.08	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.08	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.08	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.08	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.06
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.06
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.06
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.06
17.90	4.66	2.10	0.07	20.50	4.86	2.25	0.06
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.06
18.00	4.67	2.10	0.07	20.60	4.86	2.26	0.06
18.05	4.67	2.11	0.07	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.07	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.07	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

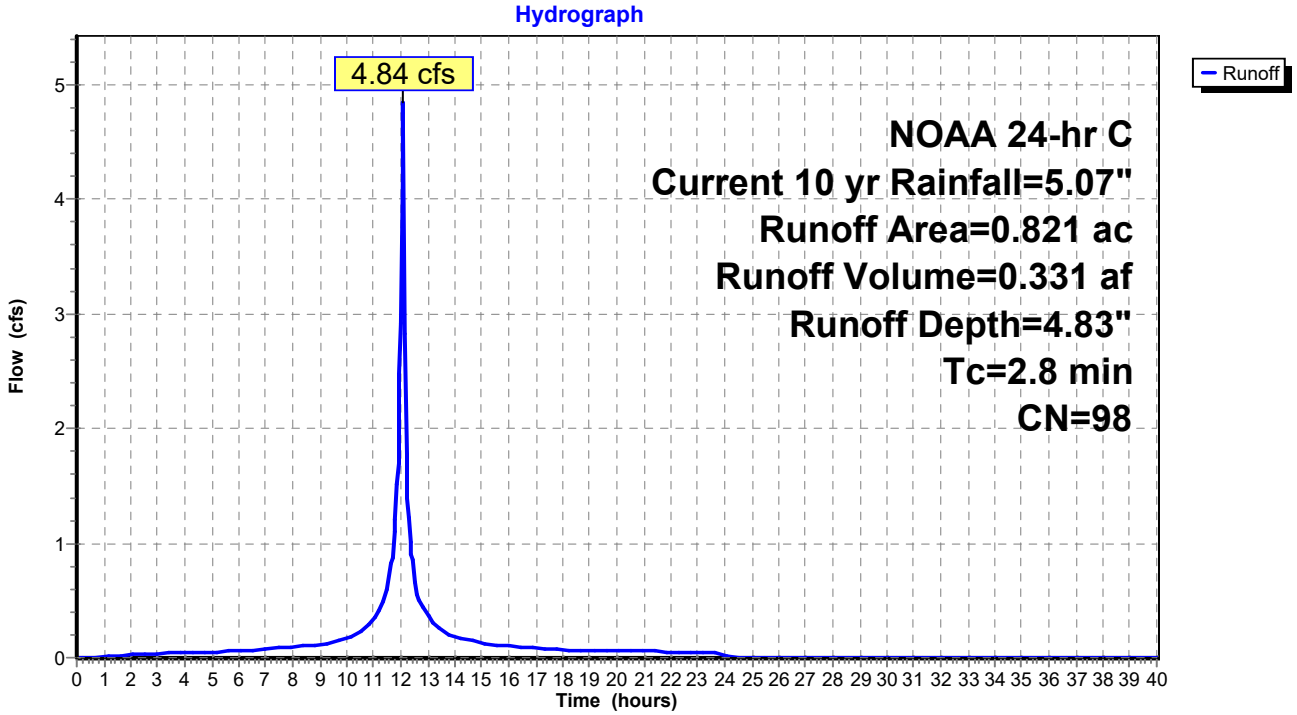
Runoff = 4.84 cfs @ 12.09 hrs, Volume= 0.331 af, Depth= 4.83"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.04
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.04
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.04
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.04
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.04
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.04
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.04
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.04
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.04
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.04
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.04
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.04
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.04
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.05
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.05
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.05
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.05
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.05
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.05
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.05
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.05
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.05
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.05
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.05
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.05
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.05
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.05
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.05
2.25	0.13	0.03	0.03	4.85	0.31	0.15	0.05
2.30	0.13	0.03	0.03	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.03	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.03	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.03	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.03	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.03	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.09
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.09
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.09
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.09
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.09
5.45	0.36	0.19	0.06	8.05	0.61	0.42	0.09
5.50	0.36	0.20	0.06	8.10	0.62	0.43	0.10
5.55	0.37	0.20	0.06	8.15	0.63	0.43	0.10
5.60	0.37	0.20	0.06	8.20	0.63	0.44	0.10
5.65	0.37	0.21	0.06	8.25	0.64	0.45	0.10
5.70	0.38	0.21	0.06	8.30	0.65	0.45	0.10
5.75	0.38	0.21	0.06	8.35	0.65	0.46	0.10
5.80	0.39	0.22	0.06	8.40	0.66	0.46	0.10
5.85	0.39	0.22	0.06	8.45	0.66	0.47	0.10
5.90	0.39	0.22	0.06	8.50	0.67	0.48	0.10
5.95	0.40	0.23	0.06	8.55	0.68	0.48	0.10
6.00	0.40	0.23	0.06	8.60	0.68	0.49	0.10
6.05	0.41	0.23	0.06	8.65	0.69	0.50	0.11
6.10	0.41	0.24	0.06	8.70	0.70	0.50	0.11
6.15	0.41	0.24	0.06	8.75	0.71	0.51	0.11
6.20	0.42	0.25	0.06	8.80	0.71	0.51	0.11
6.25	0.42	0.25	0.06	8.85	0.72	0.52	0.11
6.30	0.43	0.25	0.06	8.90	0.73	0.53	0.11
6.35	0.43	0.26	0.06	8.95	0.73	0.53	0.11
6.40	0.44	0.26	0.07	9.00	0.74	0.54	0.11
6.45	0.44	0.27	0.07	9.05	0.75	0.55	0.12
6.50	0.45	0.27	0.07	9.10	0.76	0.56	0.12
6.55	0.45	0.27	0.07	9.15	0.76	0.56	0.12
6.60	0.46	0.28	0.07	9.20	0.77	0.57	0.12
6.65	0.46	0.28	0.07	9.25	0.78	0.58	0.13
6.70	0.46	0.29	0.07	9.30	0.79	0.59	0.13
6.75	0.47	0.29	0.07	9.35	0.80	0.59	0.13
6.80	0.47	0.29	0.07	9.40	0.80	0.60	0.14
6.85	0.48	0.30	0.07	9.45	0.81	0.61	0.14
6.90	0.48	0.30	0.07	9.50	0.82	0.62	0.14
6.95	0.49	0.31	0.08	9.55	0.83	0.63	0.15
7.00	0.49	0.31	0.08	9.60	0.84	0.64	0.15
7.05	0.50	0.32	0.08	9.65	0.85	0.65	0.15
7.10	0.50	0.32	0.08	9.70	0.86	0.66	0.16
7.15	0.51	0.33	0.08	9.75	0.87	0.67	0.16
7.20	0.52	0.33	0.08	9.80	0.88	0.68	0.16
7.25	0.52	0.34	0.08	9.85	0.89	0.69	0.17
7.30	0.53	0.34	0.08	9.90	0.90	0.70	0.17
7.35	0.53	0.35	0.08	9.95	0.91	0.71	0.17
7.40	0.54	0.35	0.08	10.00	0.92	0.72	0.17
7.45	0.54	0.36	0.08	10.05	0.94	0.73	0.18
7.50	0.55	0.36	0.09	10.10	0.95	0.74	0.18
7.55	0.55	0.37	0.09	10.15	0.96	0.75	0.18
7.60	0.56	0.37	0.09	10.20	0.97	0.76	0.19
7.65	0.57	0.38	0.09	10.25	0.98	0.77	0.19
7.70	0.57	0.38	0.09	10.30	0.99	0.79	0.19
7.75	0.58	0.39	0.09	10.35	1.01	0.80	0.20

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.20	13.00	3.85	3.62	0.38
10.45	1.03	0.82	0.20	13.05	3.87	3.64	0.35
10.50	1.04	0.83	0.21	13.10	3.89	3.66	0.33
10.55	1.06	0.85	0.22	13.15	3.91	3.68	0.32
10.60	1.07	0.86	0.23	13.20	3.93	3.70	0.31
10.65	1.09	0.88	0.24	13.25	3.95	3.71	0.29
10.70	1.10	0.89	0.25	13.30	3.97	3.73	0.28
10.75	1.12	0.91	0.27	13.35	3.98	3.75	0.27
10.80	1.14	0.93	0.28	13.40	4.00	3.76	0.26
10.85	1.16	0.94	0.29	13.45	4.01	3.78	0.24
10.90	1.18	0.96	0.30	13.50	4.03	3.79	0.24
10.95	1.20	0.98	0.32	13.55	4.04	3.80	0.22
11.00	1.22	1.00	0.33	13.60	4.05	3.82	0.21
11.05	1.24	1.02	0.35	13.65	4.06	3.83	0.21
11.10	1.26	1.05	0.37	13.70	4.08	3.84	0.21
11.15	1.29	1.07	0.40	13.75	4.09	3.85	0.20
11.20	1.31	1.10	0.41	13.80	4.10	3.86	0.20
11.25	1.34	1.12	0.44	13.85	4.11	3.88	0.20
11.30	1.37	1.15	0.46	13.90	4.12	3.89	0.19
11.35	1.40	1.18	0.49	13.95	4.13	3.90	0.19
11.40	1.43	1.21	0.50	14.00	4.15	3.91	0.19
11.45	1.47	1.25	0.53	14.05	4.16	3.92	0.18
11.50	1.50	1.28	0.54	14.10	4.17	3.93	0.18
11.55	1.55	1.33	0.73	14.15	4.18	3.94	0.18
11.60	1.60	1.38	0.83	14.20	4.19	3.95	0.17
11.65	1.65	1.43	0.87	14.25	4.20	3.96	0.17
11.70	1.71	1.49	0.89	14.30	4.21	3.97	0.17
11.75	1.78	1.56	1.09	14.35	4.22	3.98	0.16
11.80	1.86	1.63	1.21	14.40	4.23	3.99	0.16
11.85	1.96	1.73	1.51	14.45	4.24	4.00	0.16
11.90	2.06	1.84	1.70	14.50	4.25	4.01	0.16
11.95	2.24	2.01	2.47	14.55	4.26	4.02	0.15
12.00	2.42	2.19	2.92	14.60	4.27	4.03	0.15
12.05	2.71	2.48	4.17	14.65	4.27	4.04	0.14
12.10	3.01	2.78	**4.76**	14.70	4.28	4.05	0.14
12.15	3.11	2.88	2.83	14.75	4.29	4.06	0.14
12.20	3.21	2.98	1.77	14.80	4.30	4.06	0.14
12.25	3.29	3.05	1.39	14.85	4.31	4.07	0.13
12.30	3.36	3.13	1.23	14.90	4.31	4.08	0.13
12.35	3.42	3.18	1.01	14.95	4.32	4.09	0.13
12.40	3.47	3.24	0.90	15.00	4.33	4.09	0.12
12.45	3.52	3.29	0.86	15.05	4.34	4.10	0.12
12.50	3.57	3.34	0.84	15.10	4.34	4.11	0.12
12.55	3.60	3.37	0.65	15.15	4.35	4.12	0.12
12.60	3.64	3.40	0.55	15.20	4.36	4.12	0.12
12.65	3.67	3.43	0.52	15.25	4.36	4.13	0.11
12.70	3.70	3.47	0.51	15.30	4.37	4.14	0.11
12.75	3.73	3.49	0.48	15.35	4.38	4.14	0.11
12.80	3.76	3.52	0.47	15.40	4.39	4.15	0.11
12.85	3.78	3.55	0.44	15.45	4.39	4.16	0.11
12.90	3.81	3.57	0.42	15.50	4.40	4.16	0.11
12.95	3.83	3.60	0.39	15.55	4.41	4.17	0.11

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.07
15.75	4.43	4.20	0.11	18.35	4.70	4.46	0.07
15.80	4.44	4.20	0.11	18.40	4.70	4.46	0.07
15.85	4.44	4.21	0.10	18.45	4.70	4.47	0.07
15.90	4.45	4.21	0.10	18.50	4.71	4.47	0.07
15.95	4.46	4.22	0.10	18.55	4.71	4.48	0.07
16.00	4.46	4.23	0.10	18.60	4.72	4.48	0.07
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.07
16.10	4.47	4.24	0.10	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.10	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.10	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.10	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.09	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.09	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.09	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.09	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.09	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.08	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.08	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.08	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.08	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.07	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.06
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.06
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.06
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.06
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.06
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.06
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.06
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.06

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.06	23.40	5.04	4.80	0.05
20.85	4.88	4.64	0.06	23.45	5.04	4.80	0.05
20.90	4.88	4.65	0.06	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.06	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.06	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.06	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.05
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.05
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.02
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.05	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.05	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.05	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.05	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.05	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.05	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.05	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.05	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

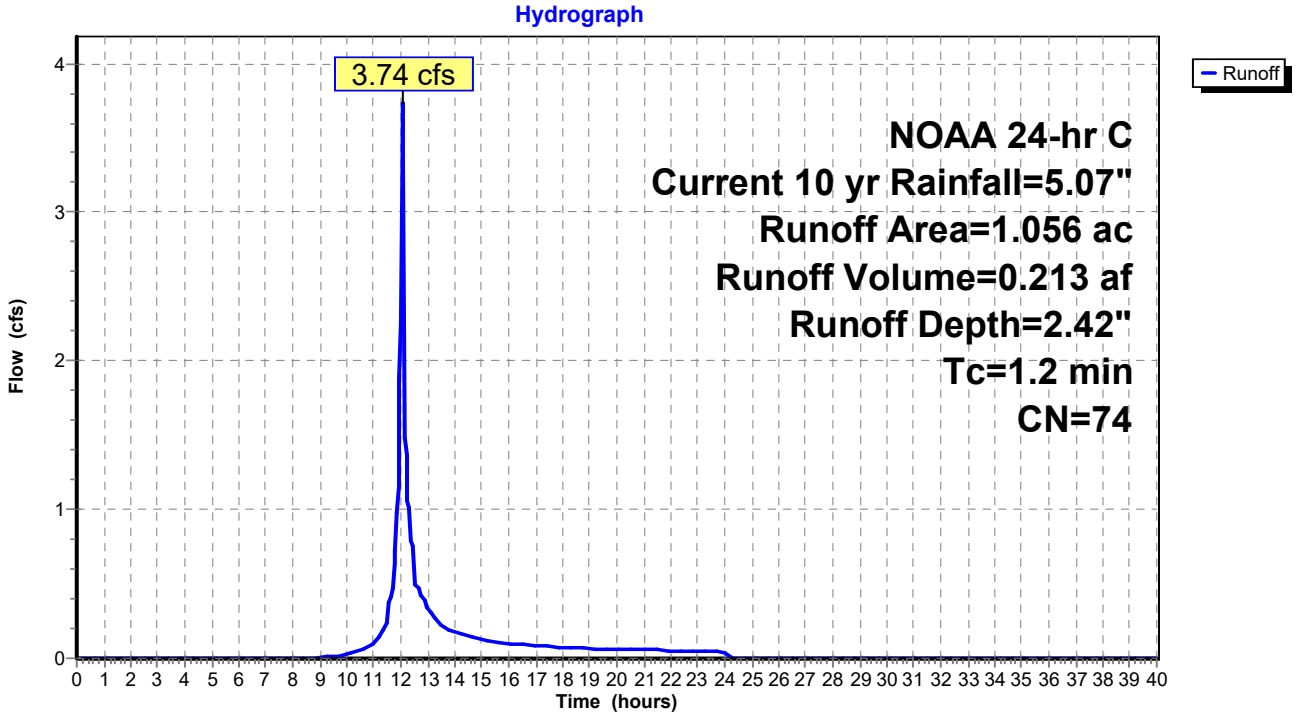
Runoff = 3.74 cfs @ 12.07 hrs, Volume= 0.213 af, Depth= 2.42"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.04
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.34
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.31
10.50	1.04	0.03	0.05	13.10	3.89	1.52	0.31
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.29
10.60	1.07	0.04	0.06	13.20	3.93	1.55	0.29
10.65	1.09	0.04	0.06	13.25	3.95	1.56	0.27
10.70	1.10	0.04	0.07	13.30	3.97	1.57	0.26
10.75	1.12	0.04	0.07	13.35	3.98	1.58	0.25
10.80	1.14	0.05	0.08	13.40	4.00	1.59	0.24
10.85	1.16	0.05	0.08	13.45	4.01	1.60	0.22
10.90	1.18	0.06	0.09	13.50	4.03	1.61	0.22
10.95	1.20	0.06	0.10	13.55	4.04	1.62	0.20
11.00	1.22	0.07	0.10	13.60	4.05	1.63	0.20
11.05	1.24	0.07	0.12	13.65	4.06	1.64	0.20
11.10	1.26	0.08	0.13	13.70	4.08	1.65	0.19
11.15	1.29	0.08	0.14	13.75	4.09	1.66	0.19
11.20	1.31	0.09	0.15	13.80	4.10	1.67	0.19
11.25	1.34	0.10	0.17	13.85	4.11	1.68	0.18
11.30	1.37	0.11	0.18	13.90	4.12	1.69	0.18
11.35	1.40	0.12	0.20	13.95	4.13	1.70	0.18
11.40	1.43	0.13	0.21	14.00	4.15	1.70	0.18
11.45	1.47	0.14	0.23	14.05	4.16	1.71	0.17
11.50	1.50	0.15	0.25	14.10	4.17	1.72	0.17
11.55	1.55	0.16	0.37	14.15	4.18	1.73	0.17
11.60	1.60	0.18	0.40	14.20	4.19	1.74	0.17
11.65	1.65	0.20	0.43	14.25	4.20	1.74	0.16
11.70	1.71	0.22	0.48	14.30	4.21	1.75	0.16
11.75	1.78	0.25	0.64	14.35	4.22	1.76	0.16
11.80	1.86	0.29	0.71	14.40	4.23	1.77	0.16
11.85	1.96	0.33	0.97	14.45	4.24	1.77	0.15
11.90	2.06	0.38	1.15	14.50	4.25	1.78	0.15
11.95	2.24	0.47	1.88	14.55	4.26	1.79	0.14
12.00	2.42	0.56	2.25	14.60	4.27	1.79	0.14
12.05	2.71	0.73	**3.60**	14.65	4.27	1.80	0.14
12.10	3.01	0.91	3.49	14.70	4.28	1.81	0.14
12.15	3.11	0.98	1.48	14.75	4.29	1.81	0.13
12.20	3.21	1.05	1.37	14.80	4.30	1.82	0.13
12.25	3.29	1.10	1.06	14.85	4.31	1.82	0.13
12.30	3.36	1.15	1.01	14.90	4.31	1.83	0.13
12.35	3.42	1.18	0.79	14.95	4.32	1.84	0.12
12.40	3.47	1.22	0.78	15.00	4.33	1.84	0.12
12.45	3.52	1.25	0.75	15.05	4.34	1.85	0.12
12.50	3.57	1.29	0.72	15.10	4.34	1.85	0.11
12.55	3.60	1.31	0.50	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.49	15.20	4.36	1.86	0.11
12.65	3.67	1.36	0.47	15.25	4.36	1.87	0.11
12.70	3.70	1.38	0.46	15.30	4.37	1.87	0.11
12.75	3.73	1.40	0.43	15.35	4.38	1.88	0.11
12.80	3.76	1.42	0.42	15.40	4.39	1.88	0.11
12.85	3.78	1.44	0.39	15.45	4.39	1.89	0.11
12.90	3.81	1.46	0.38	15.50	4.40	1.89	0.11
12.95	3.83	1.47	0.35	15.55	4.41	1.90	0.11

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.11	18.20	4.68	2.12	0.07
15.65	4.42	1.91	0.11	18.25	4.69	2.12	0.07
15.70	4.42	1.91	0.11	18.30	4.69	2.12	0.07
15.75	4.43	1.92	0.10	18.35	4.70	2.12	0.07
15.80	4.44	1.92	0.10	18.40	4.70	2.13	0.07
15.85	4.44	1.93	0.10	18.45	4.70	2.13	0.07
15.90	4.45	1.93	0.10	18.50	4.71	2.13	0.07
15.95	4.46	1.94	0.10	18.55	4.71	2.14	0.07
16.00	4.46	1.94	0.10	18.60	4.72	2.14	0.07
16.05	4.47	1.95	0.10	18.65	4.72	2.14	0.07
16.10	4.47	1.95	0.10	18.70	4.72	2.15	0.07
16.15	4.48	1.96	0.10	18.75	4.73	2.15	0.07
16.20	4.49	1.96	0.10	18.80	4.73	2.15	0.07
16.25	4.49	1.97	0.10	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.10	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.10	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.09	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.09	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.09	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.09	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.09	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.09	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.09	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.09	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.09	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.09	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.09	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.08	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.08	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.08	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.08	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.08	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.08	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.08	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.08	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.08	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.06
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.06
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.06
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.06
17.90	4.66	2.10	0.07	20.50	4.86	2.25	0.06
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.06
18.00	4.67	2.10	0.07	20.60	4.86	2.26	0.06
18.05	4.67	2.11	0.07	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.07	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.07	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.06	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.06	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.06	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.06	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.06	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.06	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.06	23.90	5.06	2.42	0.05
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.06
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.00
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

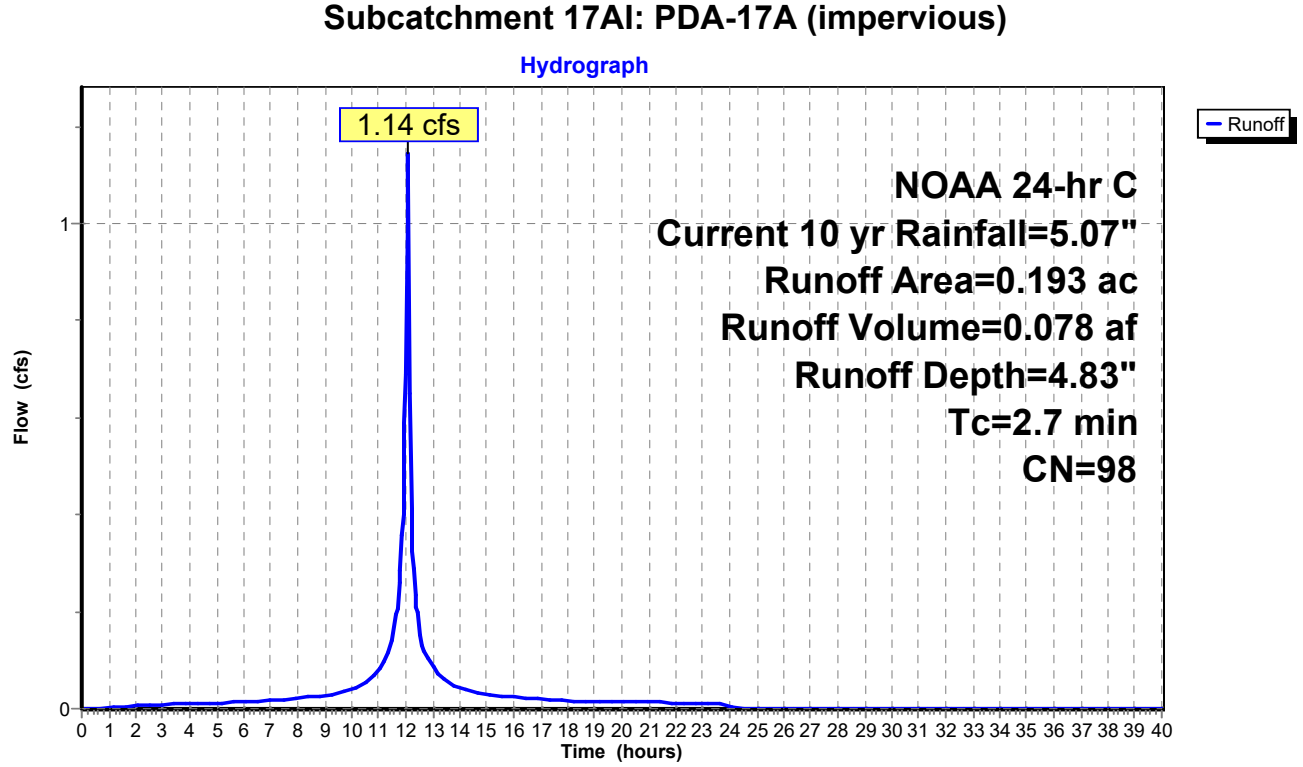
Summary for Subcatchment 17AI: PDA-17A (impervious)

Runoff = 1.14 cfs @ 12.09 hrs, Volume= 0.078 af, Depth= 4.83"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.01
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.01
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.01
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.01
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.01
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.01
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.01
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.01
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.01
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.01
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.01
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.01
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.01
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.01
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.01
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.01
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.01
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.01
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.01
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.01
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.01
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.01
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.01
1.15	0.06	0.00	0.00	3.75	0.23	0.09	0.01
1.20	0.07	0.00	0.00	3.80	0.23	0.09	0.01
1.25	0.07	0.00	0.00	3.85	0.24	0.10	0.01
1.30	0.07	0.00	0.00	3.90	0.24	0.10	0.01
1.35	0.08	0.01	0.00	3.95	0.24	0.10	0.01
1.40	0.08	0.01	0.00	4.00	0.25	0.10	0.01
1.45	0.08	0.01	0.00	4.05	0.25	0.11	0.01
1.50	0.08	0.01	0.00	4.10	0.26	0.11	0.01
1.55	0.09	0.01	0.00	4.15	0.26	0.11	0.01
1.60	0.09	0.01	0.00	4.20	0.26	0.12	0.01
1.65	0.09	0.01	0.00	4.25	0.27	0.12	0.01
1.70	0.10	0.01	0.00	4.30	0.27	0.12	0.01
1.75	0.10	0.01	0.00	4.35	0.27	0.12	0.01
1.80	0.10	0.01	0.00	4.40	0.28	0.13	0.01
1.85	0.11	0.02	0.00	4.45	0.28	0.13	0.01
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.01
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.01
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.01
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.01
2.10	0.12	0.02	0.01	4.70	0.30	0.14	0.01
2.15	0.12	0.02	0.01	4.75	0.30	0.15	0.01
2.20	0.13	0.03	0.01	4.80	0.31	0.15	0.01
2.25	0.13	0.03	0.01	4.85	0.31	0.15	0.01
2.30	0.13	0.03	0.01	4.90	0.31	0.16	0.01
2.35	0.14	0.03	0.01	4.95	0.32	0.16	0.01
2.40	0.14	0.03	0.01	5.00	0.32	0.16	0.01
2.45	0.14	0.03	0.01	5.05	0.33	0.17	0.01
2.50	0.15	0.04	0.01	5.10	0.33	0.17	0.01
2.55	0.15	0.04	0.01	5.15	0.33	0.17	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.01	7.80	0.58	0.39	0.02
5.25	0.34	0.18	0.01	7.85	0.59	0.40	0.02
5.30	0.35	0.18	0.01	7.90	0.60	0.41	0.02
5.35	0.35	0.19	0.01	7.95	0.60	0.41	0.02
5.40	0.35	0.19	0.01	8.00	0.61	0.42	0.02
5.45	0.36	0.19	0.01	8.05	0.61	0.42	0.02
5.50	0.36	0.20	0.01	8.10	0.62	0.43	0.02
5.55	0.37	0.20	0.01	8.15	0.63	0.43	0.02
5.60	0.37	0.20	0.01	8.20	0.63	0.44	0.02
5.65	0.37	0.21	0.01	8.25	0.64	0.45	0.02
5.70	0.38	0.21	0.01	8.30	0.65	0.45	0.02
5.75	0.38	0.21	0.01	8.35	0.65	0.46	0.02
5.80	0.39	0.22	0.01	8.40	0.66	0.46	0.02
5.85	0.39	0.22	0.01	8.45	0.66	0.47	0.02
5.90	0.39	0.22	0.01	8.50	0.67	0.48	0.02
5.95	0.40	0.23	0.01	8.55	0.68	0.48	0.02
6.00	0.40	0.23	0.01	8.60	0.68	0.49	0.02
6.05	0.41	0.23	0.01	8.65	0.69	0.50	0.02
6.10	0.41	0.24	0.01	8.70	0.70	0.50	0.03
6.15	0.41	0.24	0.01	8.75	0.71	0.51	0.03
6.20	0.42	0.25	0.01	8.80	0.71	0.51	0.03
6.25	0.42	0.25	0.01	8.85	0.72	0.52	0.03
6.30	0.43	0.25	0.02	8.90	0.73	0.53	0.03
6.35	0.43	0.26	0.02	8.95	0.73	0.53	0.03
6.40	0.44	0.26	0.02	9.00	0.74	0.54	0.03
6.45	0.44	0.27	0.02	9.05	0.75	0.55	0.03
6.50	0.45	0.27	0.02	9.10	0.76	0.56	0.03
6.55	0.45	0.27	0.02	9.15	0.76	0.56	0.03
6.60	0.46	0.28	0.02	9.20	0.77	0.57	0.03
6.65	0.46	0.28	0.02	9.25	0.78	0.58	0.03
6.70	0.46	0.29	0.02	9.30	0.79	0.59	0.03
6.75	0.47	0.29	0.02	9.35	0.80	0.59	0.03
6.80	0.47	0.29	0.02	9.40	0.80	0.60	0.03
6.85	0.48	0.30	0.02	9.45	0.81	0.61	0.03
6.90	0.48	0.30	0.02	9.50	0.82	0.62	0.03
6.95	0.49	0.31	0.02	9.55	0.83	0.63	0.03
7.00	0.49	0.31	0.02	9.60	0.84	0.64	0.04
7.05	0.50	0.32	0.02	9.65	0.85	0.65	0.04
7.10	0.50	0.32	0.02	9.70	0.86	0.66	0.04
7.15	0.51	0.33	0.02	9.75	0.87	0.67	0.04
7.20	0.52	0.33	0.02	9.80	0.88	0.68	0.04
7.25	0.52	0.34	0.02	9.85	0.89	0.69	0.04
7.30	0.53	0.34	0.02	9.90	0.90	0.70	0.04
7.35	0.53	0.35	0.02	9.95	0.91	0.71	0.04
7.40	0.54	0.35	0.02	10.00	0.92	0.72	0.04
7.45	0.54	0.36	0.02	10.05	0.94	0.73	0.04
7.50	0.55	0.36	0.02	10.10	0.95	0.74	0.04
7.55	0.55	0.37	0.02	10.15	0.96	0.75	0.04
7.60	0.56	0.37	0.02	10.20	0.97	0.76	0.04
7.65	0.57	0.38	0.02	10.25	0.98	0.77	0.04
7.70	0.57	0.38	0.02	10.30	0.99	0.79	0.05
7.75	0.58	0.39	0.02	10.35	1.01	0.80	0.05

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.05	13.00	3.85	3.62	0.09
10.45	1.03	0.82	0.05	13.05	3.87	3.64	0.08
10.50	1.04	0.83	0.05	13.10	3.89	3.66	0.08
10.55	1.06	0.85	0.05	13.15	3.91	3.68	0.07
10.60	1.07	0.86	0.05	13.20	3.93	3.70	0.07
10.65	1.09	0.88	0.06	13.25	3.95	3.71	0.07
10.70	1.10	0.89	0.06	13.30	3.97	3.73	0.07
10.75	1.12	0.91	0.06	13.35	3.98	3.75	0.06
10.80	1.14	0.93	0.07	13.40	4.00	3.76	0.06
10.85	1.16	0.94	0.07	13.45	4.01	3.78	0.06
10.90	1.18	0.96	0.07	13.50	4.03	3.79	0.06
10.95	1.20	0.98	0.07	13.55	4.04	3.80	0.05
11.00	1.22	1.00	0.08	13.60	4.05	3.82	0.05
11.05	1.24	1.02	0.08	13.65	4.06	3.83	0.05
11.10	1.26	1.05	0.09	13.70	4.08	3.84	0.05
11.15	1.29	1.07	0.09	13.75	4.09	3.85	0.05
11.20	1.31	1.10	0.10	13.80	4.10	3.86	0.05
11.25	1.34	1.12	0.10	13.85	4.11	3.88	0.05
11.30	1.37	1.15	0.11	13.90	4.12	3.89	0.05
11.35	1.40	1.18	0.12	13.95	4.13	3.90	0.04
11.40	1.43	1.21	0.12	14.00	4.15	3.91	0.04
11.45	1.47	1.25	0.12	14.05	4.16	3.92	0.04
11.50	1.50	1.28	0.13	14.10	4.17	3.93	0.04
11.55	1.55	1.33	0.17	14.15	4.18	3.94	0.04
11.60	1.60	1.38	0.20	14.20	4.19	3.95	0.04
11.65	1.65	1.43	0.20	14.25	4.20	3.96	0.04
11.70	1.71	1.49	0.21	14.30	4.21	3.97	0.04
11.75	1.78	1.56	0.26	14.35	4.22	3.98	0.04
11.80	1.86	1.63	0.29	14.40	4.23	3.99	0.04
11.85	1.96	1.73	0.36	14.45	4.24	4.00	0.04
11.90	2.06	1.84	0.40	14.50	4.25	4.01	0.04
11.95	2.24	2.01	0.59	14.55	4.26	4.02	0.04
12.00	2.42	2.19	0.69	14.60	4.27	4.03	0.03
12.05	2.71	2.48	0.99	14.65	4.27	4.04	0.03
12.10	3.01	2.78	**1.12**	14.70	4.28	4.05	0.03
12.15	3.11	2.88	0.65	14.75	4.29	4.06	0.03
12.20	3.21	2.98	0.41	14.80	4.30	4.06	0.03
12.25	3.29	3.05	0.32	14.85	4.31	4.07	0.03
12.30	3.36	3.13	0.29	14.90	4.31	4.08	0.03
12.35	3.42	3.18	0.24	14.95	4.32	4.09	0.03
12.40	3.47	3.24	0.21	15.00	4.33	4.09	0.03
12.45	3.52	3.29	0.20	15.05	4.34	4.10	0.03
12.50	3.57	3.34	0.20	15.10	4.34	4.11	0.03
12.55	3.60	3.37	0.15	15.15	4.35	4.12	0.03
12.60	3.64	3.40	0.13	15.20	4.36	4.12	0.03
12.65	3.67	3.43	0.12	15.25	4.36	4.13	0.03
12.70	3.70	3.47	0.12	15.30	4.37	4.14	0.03
12.75	3.73	3.49	0.11	15.35	4.38	4.14	0.03
12.80	3.76	3.52	0.11	15.40	4.39	4.15	0.03
12.85	3.78	3.55	0.10	15.45	4.39	4.16	0.03
12.90	3.81	3.57	0.10	15.50	4.40	4.16	0.03
12.95	3.83	3.60	0.09	15.55	4.41	4.17	0.03

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.03	18.20	4.68	4.45	0.02
15.65	4.42	4.18	0.03	18.25	4.69	4.45	0.02
15.70	4.42	4.19	0.03	18.30	4.69	4.46	0.02
15.75	4.43	4.20	0.02	18.35	4.70	4.46	0.02
15.80	4.44	4.20	0.02	18.40	4.70	4.46	0.02
15.85	4.44	4.21	0.02	18.45	4.70	4.47	0.02
15.90	4.45	4.21	0.02	18.50	4.71	4.47	0.02
15.95	4.46	4.22	0.02	18.55	4.71	4.48	0.02
16.00	4.46	4.23	0.02	18.60	4.72	4.48	0.02
16.05	4.47	4.23	0.02	18.65	4.72	4.48	0.02
16.10	4.47	4.24	0.02	18.70	4.72	4.49	0.02
16.15	4.48	4.24	0.02	18.75	4.73	4.49	0.02
16.20	4.49	4.25	0.02	18.80	4.73	4.50	0.02
16.25	4.49	4.26	0.02	18.85	4.74	4.50	0.02
16.30	4.50	4.26	0.02	18.90	4.74	4.50	0.02
16.35	4.50	4.27	0.02	18.95	4.74	4.51	0.02
16.40	4.51	4.27	0.02	19.00	4.75	4.51	0.01
16.45	4.52	4.28	0.02	19.05	4.75	4.51	0.01
16.50	4.52	4.29	0.02	19.10	4.76	4.52	0.01
16.55	4.53	4.29	0.02	19.15	4.76	4.52	0.01
16.60	4.53	4.30	0.02	19.20	4.76	4.53	0.01
16.65	4.54	4.30	0.02	19.25	4.77	4.53	0.01
16.70	4.54	4.31	0.02	19.30	4.77	4.53	0.01
16.75	4.55	4.31	0.02	19.35	4.77	4.54	0.01
16.80	4.55	4.32	0.02	19.40	4.78	4.54	0.01
16.85	4.56	4.32	0.02	19.45	4.78	4.55	0.01
16.90	4.57	4.33	0.02	19.50	4.79	4.55	0.01
16.95	4.57	4.33	0.02	19.55	4.79	4.55	0.01
17.00	4.58	4.34	0.02	19.60	4.79	4.56	0.01
17.05	4.58	4.34	0.02	19.65	4.80	4.56	0.01
17.10	4.59	4.35	0.02	19.70	4.80	4.56	0.01
17.15	4.59	4.35	0.02	19.75	4.80	4.57	0.01
17.20	4.60	4.36	0.02	19.80	4.81	4.57	0.01
17.25	4.60	4.36	0.02	19.85	4.81	4.57	0.01
17.30	4.61	4.37	0.02	19.90	4.81	4.58	0.01
17.35	4.61	4.37	0.02	19.95	4.82	4.58	0.01
17.40	4.61	4.38	0.02	20.00	4.82	4.59	0.01
17.45	4.62	4.38	0.02	20.05	4.83	4.59	0.01
17.50	4.62	4.39	0.02	20.10	4.83	4.59	0.01
17.55	4.63	4.39	0.02	20.15	4.83	4.60	0.01
17.60	4.63	4.40	0.02	20.20	4.84	4.60	0.01
17.65	4.64	4.40	0.02	20.25	4.84	4.60	0.01
17.70	4.64	4.41	0.02	20.30	4.84	4.61	0.01
17.75	4.65	4.41	0.02	20.35	4.85	4.61	0.01
17.80	4.65	4.42	0.02	20.40	4.85	4.61	0.01
17.85	4.66	4.42	0.02	20.45	4.85	4.62	0.01
17.90	4.66	4.42	0.02	20.50	4.86	4.62	0.01
17.95	4.66	4.43	0.02	20.55	4.86	4.62	0.01
18.00	4.67	4.43	0.02	20.60	4.86	4.63	0.01
18.05	4.67	4.44	0.02	20.65	4.87	4.63	0.01
18.10	4.68	4.44	0.02	20.70	4.87	4.63	0.01
18.15	4.68	4.44	0.02	20.75	4.87	4.64	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.01	23.40	5.04	4.80	0.01
20.85	4.88	4.64	0.01	23.45	5.04	4.80	0.01
20.90	4.88	4.65	0.01	23.50	5.04	4.81	0.01
20.95	4.89	4.65	0.01	23.55	5.04	4.81	0.01
21.00	4.89	4.65	0.01	23.60	5.05	4.81	0.01
21.05	4.89	4.66	0.01	23.65	5.05	4.81	0.01
21.10	4.90	4.66	0.01	23.70	5.05	4.82	0.01
21.15	4.90	4.66	0.01	23.75	5.06	4.82	0.01
21.20	4.90	4.67	0.01	23.80	5.06	4.82	0.01
21.25	4.91	4.67	0.01	23.85	5.06	4.82	0.01
21.30	4.91	4.67	0.01	23.90	5.06	4.83	0.01
21.35	4.91	4.68	0.01	23.95	5.07	4.83	0.01
21.40	4.92	4.68	0.01	24.00	**5.07**	**4.83**	0.01
21.45	4.92	4.68	0.01	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.01	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.01	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.01	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.01	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.01	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.01	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.01	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.01	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.01	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.01	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.01	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.01	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.01	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.01	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.01	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.01	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.01	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.01	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.01	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.01	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.01	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.01	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.01	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.01	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.01	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.01	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.01	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.01	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.01	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.01	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.01	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.01	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.01	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.01	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.01	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.01	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.01	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.01	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

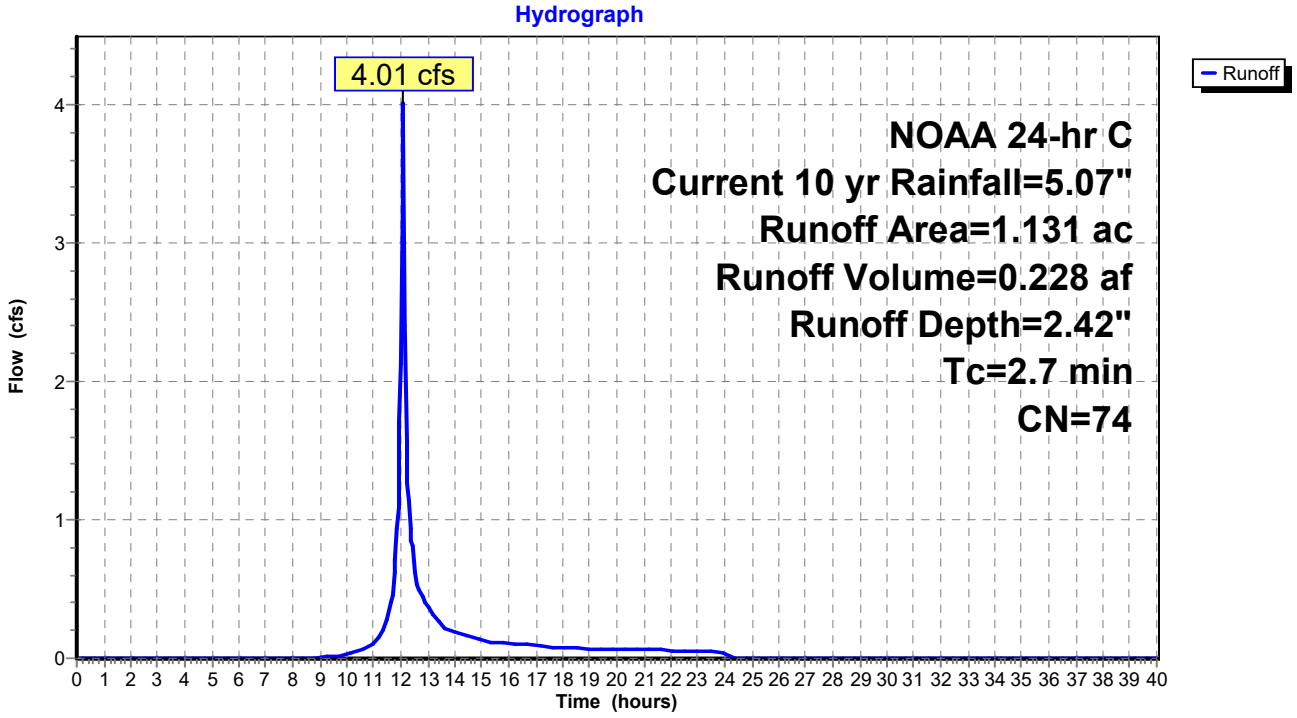
Runoff = 4.01 cfs @ 12.09 hrs, Volume= 0.228 af, Depth= 2.42"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.04
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.04
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.37
10.45	1.03	0.03	0.05	13.05	3.87	1.50	0.35
10.50	1.04	0.03	0.05	13.10	3.89	1.52	0.33
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.32
10.60	1.07	0.04	0.06	13.20	3.93	1.55	0.31
10.65	1.09	0.04	0.06	13.25	3.95	1.56	0.29
10.70	1.10	0.04	0.07	13.30	3.97	1.57	0.29
10.75	1.12	0.04	0.07	13.35	3.98	1.58	0.27
10.80	1.14	0.05	0.08	13.40	4.00	1.59	0.26
10.85	1.16	0.05	0.09	13.45	4.01	1.60	0.25
10.90	1.18	0.06	0.09	13.50	4.03	1.61	0.24
10.95	1.20	0.06	0.10	13.55	4.04	1.62	0.22
11.00	1.22	0.07	0.11	13.60	4.05	1.63	0.22
11.05	1.24	0.07	0.12	13.65	4.06	1.64	0.21
11.10	1.26	0.08	0.13	13.70	4.08	1.65	0.21
11.15	1.29	0.08	0.14	13.75	4.09	1.66	0.21
11.20	1.31	0.09	0.16	13.80	4.10	1.67	0.20
11.25	1.34	0.10	0.17	13.85	4.11	1.68	0.20
11.30	1.37	0.11	0.18	13.90	4.12	1.69	0.20
11.35	1.40	0.12	0.20	13.95	4.13	1.70	0.19
11.40	1.43	0.13	0.22	14.00	4.15	1.70	0.19
11.45	1.47	0.14	0.23	14.05	4.16	1.71	0.19
11.50	1.50	0.15	0.25	14.10	4.17	1.72	0.19
11.55	1.55	0.16	0.35	14.15	4.18	1.73	0.18
11.60	1.60	0.18	0.41	14.20	4.19	1.74	0.18
11.65	1.65	0.20	0.45	14.25	4.20	1.74	0.18
11.70	1.71	0.22	0.48	14.30	4.21	1.75	0.17
11.75	1.78	0.25	0.61	14.35	4.22	1.76	0.17
11.80	1.86	0.29	0.71	14.40	4.23	1.77	0.17
11.85	1.96	0.33	0.93	14.45	4.24	1.77	0.16
11.90	2.06	0.38	1.09	14.50	4.25	1.78	0.16
11.95	2.24	0.47	1.70	14.55	4.26	1.79	0.16
12.00	2.42	0.56	2.12	14.60	4.27	1.79	0.15
12.05	2.71	0.73	3.28	14.65	4.27	1.80	0.15
12.10	3.01	0.91	**3.96**	14.70	4.28	1.81	0.15
12.15	3.11	0.98	2.40	14.75	4.29	1.81	0.14
12.20	3.21	1.05	1.57	14.80	4.30	1.82	0.14
12.25	3.29	1.10	1.26	14.85	4.31	1.82	0.14
12.30	3.36	1.15	1.13	14.90	4.31	1.83	0.14
12.35	3.42	1.18	0.94	14.95	4.32	1.84	0.13
12.40	3.47	1.22	0.85	15.00	4.33	1.84	0.13
12.45	3.52	1.25	0.82	15.05	4.34	1.85	0.13
12.50	3.57	1.29	0.80	15.10	4.34	1.85	0.12
12.55	3.60	1.31	0.62	15.15	4.35	1.86	0.12
12.60	3.64	1.34	0.53	15.20	4.36	1.86	0.12
12.65	3.67	1.36	0.51	15.25	4.36	1.87	0.12
12.70	3.70	1.38	0.50	15.30	4.37	1.87	0.12
12.75	3.73	1.40	0.47	15.35	4.38	1.88	0.12
12.80	3.76	1.42	0.46	15.40	4.39	1.88	0.12
12.85	3.78	1.44	0.43	15.45	4.39	1.89	0.12
12.90	3.81	1.46	0.42	15.50	4.40	1.89	0.12
12.95	3.83	1.47	0.39	15.55	4.41	1.90	0.12

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.12	18.20	4.68	2.12	0.07
15.65	4.42	1.91	0.11	18.25	4.69	2.12	0.07
15.70	4.42	1.91	0.11	18.30	4.69	2.12	0.07
15.75	4.43	1.92	0.11	18.35	4.70	2.12	0.07
15.80	4.44	1.92	0.11	18.40	4.70	2.13	0.07
15.85	4.44	1.93	0.11	18.45	4.70	2.13	0.07
15.90	4.45	1.93	0.11	18.50	4.71	2.13	0.07
15.95	4.46	1.94	0.11	18.55	4.71	2.14	0.07
16.00	4.46	1.94	0.11	18.60	4.72	2.14	0.07
16.05	4.47	1.95	0.11	18.65	4.72	2.14	0.07
16.10	4.47	1.95	0.11	18.70	4.72	2.15	0.07
16.15	4.48	1.96	0.11	18.75	4.73	2.15	0.07
16.20	4.49	1.96	0.11	18.80	4.73	2.15	0.07
16.25	4.49	1.97	0.10	18.85	4.74	2.16	0.07
16.30	4.50	1.97	0.10	18.90	4.74	2.16	0.07
16.35	4.50	1.98	0.10	18.95	4.74	2.16	0.07
16.40	4.51	1.98	0.10	19.00	4.75	2.16	0.07
16.45	4.52	1.98	0.10	19.05	4.75	2.17	0.07
16.50	4.52	1.99	0.10	19.10	4.76	2.17	0.07
16.55	4.53	1.99	0.10	19.15	4.76	2.17	0.07
16.60	4.53	2.00	0.10	19.20	4.76	2.18	0.07
16.65	4.54	2.00	0.10	19.25	4.77	2.18	0.07
16.70	4.54	2.01	0.10	19.30	4.77	2.18	0.07
16.75	4.55	2.01	0.10	19.35	4.77	2.19	0.07
16.80	4.55	2.01	0.09	19.40	4.78	2.19	0.07
16.85	4.56	2.02	0.09	19.45	4.78	2.19	0.07
16.90	4.57	2.02	0.09	19.50	4.79	2.19	0.07
16.95	4.57	2.03	0.09	19.55	4.79	2.20	0.07
17.00	4.58	2.03	0.09	19.60	4.79	2.20	0.07
17.05	4.58	2.03	0.09	19.65	4.80	2.20	0.07
17.10	4.59	2.04	0.09	19.70	4.80	2.21	0.07
17.15	4.59	2.04	0.09	19.75	4.80	2.21	0.07
17.20	4.60	2.05	0.09	19.80	4.81	2.21	0.07
17.25	4.60	2.05	0.09	19.85	4.81	2.21	0.07
17.30	4.61	2.05	0.09	19.90	4.81	2.22	0.07
17.35	4.61	2.06	0.09	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.08	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.08	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.08	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.08	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.08	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.08	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.08	20.30	4.84	2.24	0.06
17.75	4.65	2.09	0.08	20.35	4.85	2.24	0.06
17.80	4.65	2.09	0.08	20.40	4.85	2.25	0.06
17.85	4.66	2.09	0.08	20.45	4.85	2.25	0.06
17.90	4.66	2.10	0.08	20.50	4.86	2.25	0.06
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.06
18.00	4.67	2.10	0.07	20.60	4.86	2.26	0.06
18.05	4.67	2.11	0.07	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.07	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.07	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.06	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.06	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.06	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.06	23.75	5.06	2.41	0.05
21.20	4.90	2.29	0.06	23.80	5.06	2.41	0.05
21.25	4.91	2.29	0.06	23.85	5.06	2.41	0.05
21.30	4.91	2.29	0.06	23.90	5.06	2.42	0.05
21.35	4.91	2.30	0.06	23.95	5.07	2.42	0.06
21.40	4.92	2.30	0.06	24.00	**5.07**	**2.42**	0.06
21.45	4.92	2.30	0.06	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.06	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.06	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.06	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.06	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.06	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.06	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.06	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.06	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.06	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.06	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.06	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.06	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.06	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.06	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.06	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.06	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

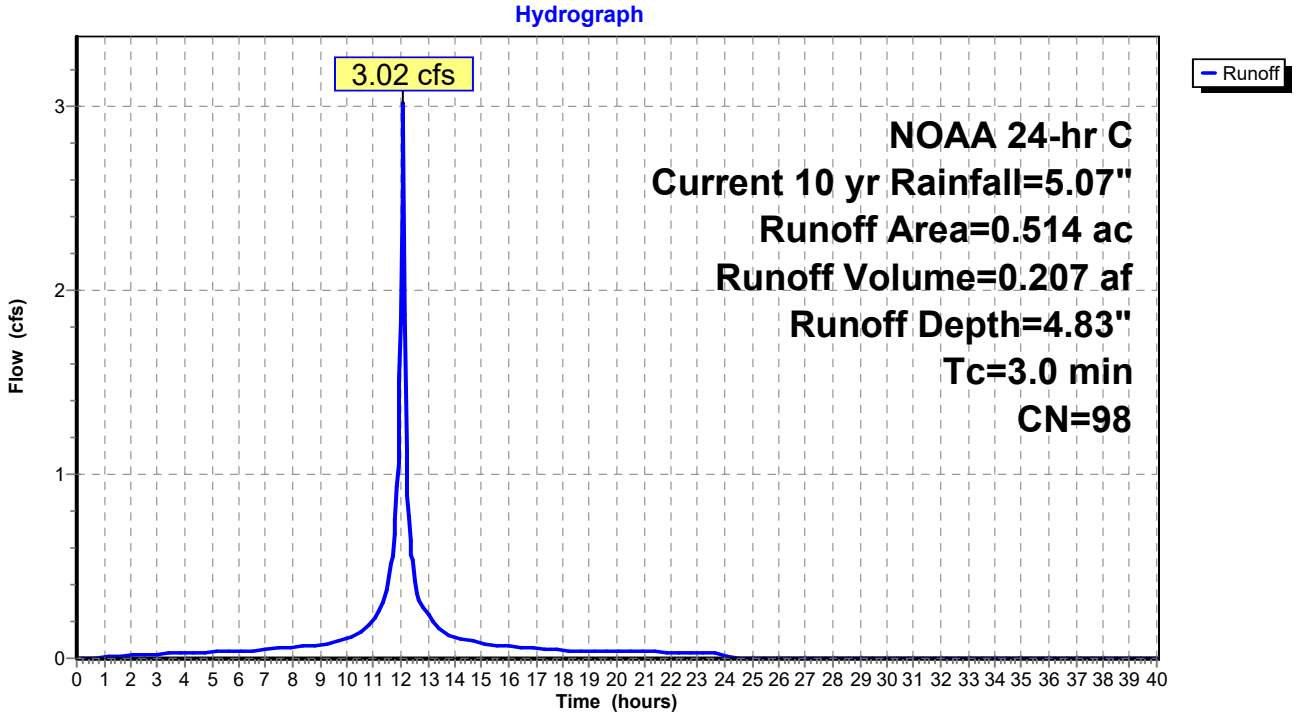
Runoff = 3.02 cfs @ 12.09 hrs, Volume= 0.207 af, Depth= 4.83"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.03
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.03
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.03
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.03
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.03
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.03
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.06
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.06
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.06
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.06
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.06
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.06
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.06
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.06
5.60	0.37	0.20	0.04	8.20	0.63	0.44	0.06
5.65	0.37	0.21	0.04	8.25	0.64	0.45	0.06
5.70	0.38	0.21	0.04	8.30	0.65	0.45	0.06
5.75	0.38	0.21	0.04	8.35	0.65	0.46	0.06
5.80	0.39	0.22	0.04	8.40	0.66	0.46	0.06
5.85	0.39	0.22	0.04	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.04	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.04	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.04	8.60	0.68	0.49	0.07
6.05	0.41	0.23	0.04	8.65	0.69	0.50	0.07
6.10	0.41	0.24	0.04	8.70	0.70	0.50	0.07
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.07
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.07
6.25	0.42	0.25	0.04	8.85	0.72	0.52	0.07
6.30	0.43	0.25	0.04	8.90	0.73	0.53	0.07
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.07
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.07
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.07
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.07
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.08
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.08
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.08
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.08
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.08
6.80	0.47	0.29	0.05	9.40	0.80	0.60	0.09
6.85	0.48	0.30	0.05	9.45	0.81	0.61	0.09
6.90	0.48	0.30	0.05	9.50	0.82	0.62	0.09
6.95	0.49	0.31	0.05	9.55	0.83	0.63	0.09
7.00	0.49	0.31	0.05	9.60	0.84	0.64	0.09
7.05	0.50	0.32	0.05	9.65	0.85	0.65	0.10
7.10	0.50	0.32	0.05	9.70	0.86	0.66	0.10
7.15	0.51	0.33	0.05	9.75	0.87	0.67	0.10
7.20	0.52	0.33	0.05	9.80	0.88	0.68	0.10
7.25	0.52	0.34	0.05	9.85	0.89	0.69	0.10
7.30	0.53	0.34	0.05	9.90	0.90	0.70	0.11
7.35	0.53	0.35	0.05	9.95	0.91	0.71	0.11
7.40	0.54	0.35	0.05	10.00	0.92	0.72	0.11
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.11
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.11
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.12
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.12
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.12
7.70	0.57	0.38	0.06	10.30	0.99	0.79	0.12
7.75	0.58	0.39	0.06	10.35	1.01	0.80	0.12

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.12	13.00	3.85	3.62	0.24
10.45	1.03	0.82	0.13	13.05	3.87	3.64	0.22
10.50	1.04	0.83	0.13	13.10	3.89	3.66	0.21
10.55	1.06	0.85	0.14	13.15	3.91	3.68	0.20
10.60	1.07	0.86	0.14	13.20	3.93	3.70	0.19
10.65	1.09	0.88	0.15	13.25	3.95	3.71	0.18
10.70	1.10	0.89	0.16	13.30	3.97	3.73	0.18
10.75	1.12	0.91	0.17	13.35	3.98	3.75	0.17
10.80	1.14	0.93	0.17	13.40	4.00	3.76	0.16
10.85	1.16	0.94	0.18	13.45	4.01	3.78	0.15
10.90	1.18	0.96	0.19	13.50	4.03	3.79	0.15
10.95	1.20	0.98	0.20	13.55	4.04	3.80	0.14
11.00	1.22	1.00	0.20	13.60	4.05	3.82	0.13
11.05	1.24	1.02	0.22	13.65	4.06	3.83	0.13
11.10	1.26	1.05	0.23	13.70	4.08	3.84	0.13
11.15	1.29	1.07	0.25	13.75	4.09	3.85	0.13
11.20	1.31	1.10	0.26	13.80	4.10	3.86	0.12
11.25	1.34	1.12	0.28	13.85	4.11	3.88	0.12
11.30	1.37	1.15	0.29	13.90	4.12	3.89	0.12
11.35	1.40	1.18	0.30	13.95	4.13	3.90	0.12
11.40	1.43	1.21	0.32	14.00	4.15	3.91	0.12
11.45	1.47	1.25	0.33	14.05	4.16	3.92	0.11
11.50	1.50	1.28	0.34	14.10	4.17	3.93	0.11
11.55	1.55	1.33	0.45	14.15	4.18	3.94	0.11
11.60	1.60	1.38	0.52	14.20	4.19	3.95	0.11
11.65	1.65	1.43	0.54	14.25	4.20	3.96	0.11
11.70	1.71	1.49	0.55	14.30	4.21	3.97	0.10
11.75	1.78	1.56	0.67	14.35	4.22	3.98	0.10
11.80	1.86	1.63	0.76	14.40	4.23	3.99	0.10
11.85	1.96	1.73	0.93	14.45	4.24	4.00	0.10
11.90	2.06	1.84	1.06	14.50	4.25	4.01	0.10
11.95	2.24	2.01	1.51	14.55	4.26	4.02	0.09
12.00	2.42	2.19	1.81	14.60	4.27	4.03	0.09
12.05	2.71	2.48	2.55	14.65	4.27	4.04	0.09
12.10	3.01	2.78	**2.98**	14.70	4.28	4.05	0.09
12.15	3.11	2.88	1.86	14.75	4.29	4.06	0.09
12.20	3.21	2.98	1.13	14.80	4.30	4.06	0.09
12.25	3.29	3.05	0.89	14.85	4.31	4.07	0.08
12.30	3.36	3.13	0.77	14.90	4.31	4.08	0.08
12.35	3.42	3.18	0.64	14.95	4.32	4.09	0.08
12.40	3.47	3.24	0.56	15.00	4.33	4.09	0.08
12.45	3.52	3.29	0.54	15.05	4.34	4.10	0.08
12.50	3.57	3.34	0.53	15.10	4.34	4.11	0.07
12.55	3.60	3.37	0.42	15.15	4.35	4.12	0.07
12.60	3.64	3.40	0.35	15.20	4.36	4.12	0.07
12.65	3.67	3.43	0.33	15.25	4.36	4.13	0.07
12.70	3.70	3.47	0.32	15.30	4.37	4.14	0.07
12.75	3.73	3.49	0.30	15.35	4.38	4.14	0.07
12.80	3.76	3.52	0.29	15.40	4.39	4.15	0.07
12.85	3.78	3.55	0.28	15.45	4.39	4.16	0.07
12.90	3.81	3.57	0.26	15.50	4.40	4.16	0.07
12.95	3.83	3.60	0.25	15.55	4.41	4.17	0.07

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.07	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.07	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.07	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.07	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.07	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.07	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.07	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.06	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.06	18.65	4.72	4.48	0.04
16.10	4.47	4.24	0.06	18.70	4.72	4.49	0.04
16.15	4.48	4.24	0.06	18.75	4.73	4.49	0.04
16.20	4.49	4.25	0.06	18.80	4.73	4.50	0.04
16.25	4.49	4.26	0.06	18.85	4.74	4.50	0.04
16.30	4.50	4.26	0.06	18.90	4.74	4.50	0.04
16.35	4.50	4.27	0.06	18.95	4.74	4.51	0.04
16.40	4.51	4.27	0.06	19.00	4.75	4.51	0.04
16.45	4.52	4.28	0.06	19.05	4.75	4.51	0.04
16.50	4.52	4.29	0.06	19.10	4.76	4.52	0.04
16.55	4.53	4.29	0.06	19.15	4.76	4.52	0.04
16.60	4.53	4.30	0.06	19.20	4.76	4.53	0.04
16.65	4.54	4.30	0.06	19.25	4.77	4.53	0.04
16.70	4.54	4.31	0.06	19.30	4.77	4.53	0.04
16.75	4.55	4.31	0.06	19.35	4.77	4.54	0.04
16.80	4.55	4.32	0.06	19.40	4.78	4.54	0.04
16.85	4.56	4.32	0.06	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.04
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.04
17.15	4.59	4.35	0.05	19.75	4.80	4.57	0.04
17.20	4.60	4.36	0.05	19.80	4.81	4.57	0.04
17.25	4.60	4.36	0.05	19.85	4.81	4.57	0.04
17.30	4.61	4.37	0.05	19.90	4.81	4.58	0.04
17.35	4.61	4.37	0.05	19.95	4.82	4.58	0.04
17.40	4.61	4.38	0.05	20.00	4.82	4.59	0.04
17.45	4.62	4.38	0.05	20.05	4.83	4.59	0.04
17.50	4.62	4.39	0.05	20.10	4.83	4.59	0.04
17.55	4.63	4.39	0.05	20.15	4.83	4.60	0.04
17.60	4.63	4.40	0.05	20.20	4.84	4.60	0.04
17.65	4.64	4.40	0.05	20.25	4.84	4.60	0.04
17.70	4.64	4.41	0.05	20.30	4.84	4.61	0.04
17.75	4.65	4.41	0.05	20.35	4.85	4.61	0.04
17.80	4.65	4.42	0.05	20.40	4.85	4.61	0.04
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.04
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.04
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.04
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.04
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.04
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.04
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.04

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.04	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.03
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.03
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.03
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.03
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

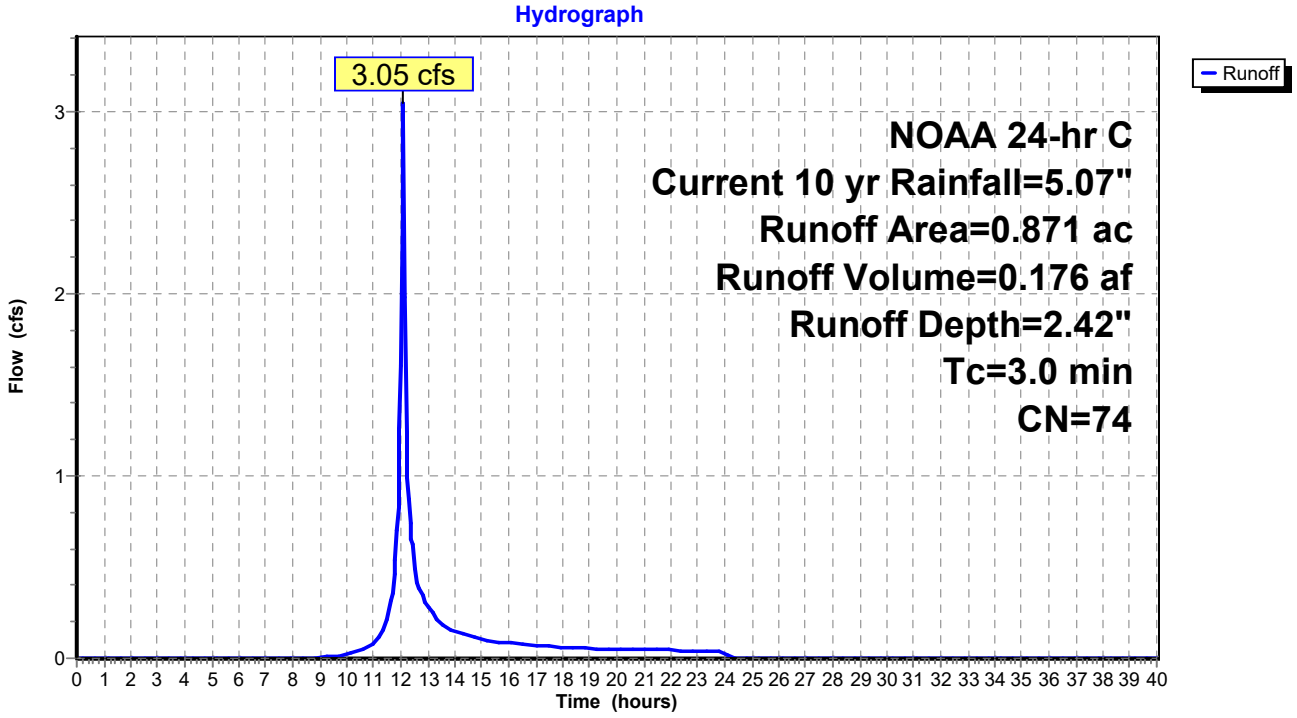
Runoff = 3.05 cfs @ 12.09 hrs, Volume= 0.176 af, Depth= 2.42"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.29
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.27
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.26
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.25
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.24
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.23
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.22
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.21
10.80	1.14	0.05	0.06	13.40	4.00	1.59	0.20
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.19
10.90	1.18	0.06	0.07	13.50	4.03	1.61	0.18
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.17
11.00	1.22	0.07	0.08	13.60	4.05	1.63	0.17
11.05	1.24	0.07	0.09	13.65	4.06	1.64	0.16
11.10	1.26	0.08	0.10	13.70	4.08	1.65	0.16
11.15	1.29	0.08	0.11	13.75	4.09	1.66	0.16
11.20	1.31	0.09	0.12	13.80	4.10	1.67	0.16
11.25	1.34	0.10	0.13	13.85	4.11	1.68	0.15
11.30	1.37	0.11	0.14	13.90	4.12	1.69	0.15
11.35	1.40	0.12	0.15	13.95	4.13	1.70	0.15
11.40	1.43	0.13	0.17	14.00	4.15	1.70	0.15
11.45	1.47	0.14	0.18	14.05	4.16	1.71	0.14
11.50	1.50	0.15	0.19	14.10	4.17	1.72	0.14
11.55	1.55	0.16	0.26	14.15	4.18	1.73	0.14
11.60	1.60	0.18	0.31	14.20	4.19	1.74	0.14
11.65	1.65	0.20	0.34	14.25	4.20	1.74	0.14
11.70	1.71	0.22	0.36	14.30	4.21	1.75	0.13
11.75	1.78	0.25	0.46	14.35	4.22	1.76	0.13
11.80	1.86	0.29	0.54	14.40	4.23	1.77	0.13
11.85	1.96	0.33	0.70	14.45	4.24	1.77	0.13
11.90	2.06	0.38	0.83	14.50	4.25	1.78	0.12
11.95	2.24	0.47	1.26	14.55	4.26	1.79	0.12
12.00	2.42	0.56	1.61	14.60	4.27	1.79	0.12
12.05	2.71	0.73	2.43	14.65	4.27	1.80	0.12
12.10	3.01	0.91	**3.03**	14.70	4.28	1.81	0.11
12.15	3.11	0.98	1.98	14.75	4.29	1.81	0.11
12.20	3.21	1.05	1.24	14.80	4.30	1.82	0.11
12.25	3.29	1.10	0.99	14.85	4.31	1.82	0.11
12.30	3.36	1.15	0.88	14.90	4.31	1.83	0.10
12.35	3.42	1.18	0.74	14.95	4.32	1.84	0.10
12.40	3.47	1.22	0.65	15.00	4.33	1.84	0.10
12.45	3.52	1.25	0.63	15.05	4.34	1.85	0.10
12.50	3.57	1.29	0.62	15.10	4.34	1.85	0.10
12.55	3.60	1.31	0.49	15.15	4.35	1.86	0.09
12.60	3.64	1.34	0.41	15.20	4.36	1.86	0.09
12.65	3.67	1.36	0.39	15.25	4.36	1.87	0.09
12.70	3.70	1.38	0.39	15.30	4.37	1.87	0.09
12.75	3.73	1.40	0.37	15.35	4.38	1.88	0.09
12.80	3.76	1.42	0.35	15.40	4.39	1.88	0.09
12.85	3.78	1.44	0.33	15.45	4.39	1.89	0.09
12.90	3.81	1.46	0.32	15.50	4.40	1.89	0.09
12.95	3.83	1.47	0.30	15.55	4.41	1.90	0.09

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.09	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.09	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.09	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.05
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.05
15.90	4.45	1.93	0.08	18.50	4.71	2.13	0.05
15.95	4.46	1.94	0.08	18.55	4.71	2.14	0.05
16.00	4.46	1.94	0.08	18.60	4.72	2.14	0.05
16.05	4.47	1.95	0.08	18.65	4.72	2.14	0.05
16.10	4.47	1.95	0.08	18.70	4.72	2.15	0.05
16.15	4.48	1.96	0.08	18.75	4.73	2.15	0.05
16.20	4.49	1.96	0.08	18.80	4.73	2.15	0.05
16.25	4.49	1.97	0.08	18.85	4.74	2.16	0.05
16.30	4.50	1.97	0.08	18.90	4.74	2.16	0.05
16.35	4.50	1.98	0.08	18.95	4.74	2.16	0.05
16.40	4.51	1.98	0.08	19.00	4.75	2.16	0.05
16.45	4.52	1.98	0.08	19.05	4.75	2.17	0.05
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.05
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.05
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.05
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.05
16.70	4.54	2.01	0.07	19.30	4.77	2.18	0.05
16.75	4.55	2.01	0.07	19.35	4.77	2.19	0.05
16.80	4.55	2.01	0.07	19.40	4.78	2.19	0.05
16.85	4.56	2.02	0.07	19.45	4.78	2.19	0.05
16.90	4.57	2.02	0.07	19.50	4.79	2.19	0.05
16.95	4.57	2.03	0.07	19.55	4.79	2.20	0.05
17.00	4.58	2.03	0.07	19.60	4.79	2.20	0.05
17.05	4.58	2.03	0.07	19.65	4.80	2.20	0.05
17.10	4.59	2.04	0.07	19.70	4.80	2.21	0.05
17.15	4.59	2.04	0.07	19.75	4.80	2.21	0.05
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.05
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.05
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.05
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.06	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.06	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.06	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.06	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.06	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.06	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.06	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.06	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.06	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.04	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.04	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.04	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.04	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.04	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.04	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.04	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.04	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.04	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.04	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.04	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

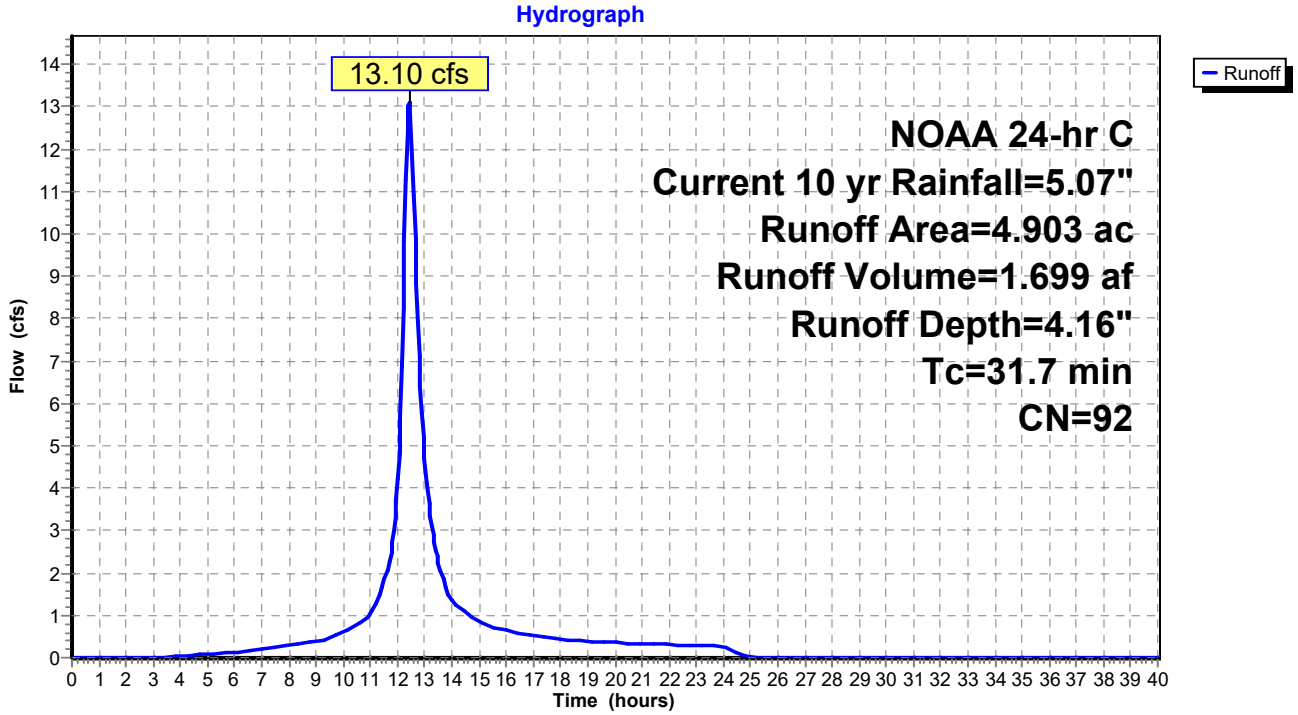
Runoff = 13.10 cfs @ 12.43 hrs, Volume= 1.699 af, Depth= 4.16"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.01
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.01
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.01
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.01
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.01
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.02
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.02
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.02
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.02
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.02
1.35	0.08	0.00	0.00	3.95	0.24	0.01	0.03
1.40	0.08	0.00	0.00	4.00	0.25	0.01	0.03
1.45	0.08	0.00	0.00	4.05	0.25	0.01	0.03
1.50	0.08	0.00	0.00	4.10	0.26	0.01	0.03
1.55	0.09	0.00	0.00	4.15	0.26	0.01	0.04
1.60	0.09	0.00	0.00	4.20	0.26	0.01	0.04
1.65	0.09	0.00	0.00	4.25	0.27	0.01	0.04
1.70	0.10	0.00	0.00	4.30	0.27	0.01	0.04
1.75	0.10	0.00	0.00	4.35	0.27	0.01	0.05
1.80	0.10	0.00	0.00	4.40	0.28	0.01	0.05
1.85	0.11	0.00	0.00	4.45	0.28	0.01	0.05
1.90	0.11	0.00	0.00	4.50	0.28	0.01	0.05
1.95	0.11	0.00	0.00	4.55	0.29	0.01	0.06
2.00	0.11	0.00	0.00	4.60	0.29	0.01	0.06
2.05	0.12	0.00	0.00	4.65	0.30	0.02	0.06
2.10	0.12	0.00	0.00	4.70	0.30	0.02	0.06
2.15	0.12	0.00	0.00	4.75	0.30	0.02	0.07
2.20	0.13	0.00	0.00	4.80	0.31	0.02	0.07
2.25	0.13	0.00	0.00	4.85	0.31	0.02	0.07
2.30	0.13	0.00	0.00	4.90	0.31	0.02	0.07
2.35	0.14	0.00	0.00	4.95	0.32	0.02	0.08
2.40	0.14	0.00	0.00	5.00	0.32	0.02	0.08
2.45	0.14	0.00	0.00	5.05	0.33	0.02	0.08
2.50	0.15	0.00	0.00	5.10	0.33	0.02	0.08
2.55	0.15	0.00	0.00	5.15	0.33	0.02	0.09

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.03	0.09	7.80	0.58	0.13	0.27
5.25	0.34	0.03	0.09	7.85	0.59	0.13	0.27
5.30	0.35	0.03	0.09	7.90	0.60	0.14	0.28
5.35	0.35	0.03	0.10	7.95	0.60	0.14	0.28
5.40	0.35	0.03	0.10	8.00	0.61	0.14	0.29
5.45	0.36	0.03	0.10	8.05	0.61	0.15	0.29
5.50	0.36	0.03	0.10	8.10	0.62	0.15	0.30
5.55	0.37	0.03	0.11	8.15	0.63	0.15	0.30
5.60	0.37	0.04	0.11	8.20	0.63	0.16	0.31
5.65	0.37	0.04	0.11	8.25	0.64	0.16	0.31
5.70	0.38	0.04	0.11	8.30	0.65	0.17	0.32
5.75	0.38	0.04	0.12	8.35	0.65	0.17	0.32
5.80	0.39	0.04	0.12	8.40	0.66	0.17	0.33
5.85	0.39	0.04	0.12	8.45	0.66	0.18	0.33
5.90	0.39	0.04	0.12	8.50	0.67	0.18	0.34
5.95	0.40	0.05	0.12	8.55	0.68	0.19	0.34
6.00	0.40	0.05	0.13	8.60	0.68	0.19	0.35
6.05	0.41	0.05	0.13	8.65	0.69	0.19	0.35
6.10	0.41	0.05	0.13	8.70	0.70	0.20	0.36
6.15	0.41	0.05	0.13	8.75	0.71	0.20	0.37
6.20	0.42	0.05	0.14	8.80	0.71	0.21	0.37
6.25	0.42	0.06	0.14	8.85	0.72	0.21	0.38
6.30	0.43	0.06	0.14	8.90	0.73	0.21	0.38
6.35	0.43	0.06	0.15	8.95	0.73	0.22	0.39
6.40	0.44	0.06	0.15	9.00	0.74	0.22	0.39
6.45	0.44	0.06	0.15	9.05	0.75	0.23	0.40
6.50	0.45	0.06	0.15	9.10	0.76	0.23	0.40
6.55	0.45	0.07	0.16	9.15	0.76	0.24	0.41
6.60	0.46	0.07	0.16	9.20	0.77	0.24	0.42
6.65	0.46	0.07	0.17	9.25	0.78	0.25	0.42
6.70	0.46	0.07	0.17	9.30	0.79	0.25	0.43
6.75	0.47	0.07	0.17	9.35	0.80	0.26	0.44
6.80	0.47	0.08	0.18	9.40	0.80	0.27	0.45
6.85	0.48	0.08	0.18	9.45	0.81	0.27	0.46
6.90	0.48	0.08	0.19	9.50	0.82	0.28	0.47
6.95	0.49	0.08	0.19	9.55	0.83	0.28	0.48
7.00	0.49	0.09	0.19	9.60	0.84	0.29	0.50
7.05	0.50	0.09	0.20	9.65	0.85	0.30	0.51
7.10	0.50	0.09	0.20	9.70	0.86	0.30	0.53
7.15	0.51	0.09	0.21	9.75	0.87	0.31	0.54
7.20	0.52	0.10	0.21	9.80	0.88	0.32	0.56
7.25	0.52	0.10	0.22	9.85	0.89	0.32	0.57
7.30	0.53	0.10	0.22	9.90	0.90	0.33	0.59
7.35	0.53	0.10	0.22	9.95	0.91	0.34	0.60
7.40	0.54	0.11	0.23	10.00	0.92	0.35	0.62
7.45	0.54	0.11	0.23	10.05	0.94	0.36	0.63
7.50	0.55	0.11	0.24	10.10	0.95	0.36	0.65
7.55	0.55	0.12	0.24	10.15	0.96	0.37	0.67
7.60	0.56	0.12	0.25	10.20	0.97	0.38	0.68
7.65	0.57	0.12	0.25	10.25	0.98	0.39	0.70
7.70	0.57	0.12	0.26	10.30	0.99	0.40	0.72
7.75	0.58	0.13	0.26	10.35	1.01	0.41	0.73

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.42	0.75	13.00	3.85	2.98	4.73
10.45	1.03	0.43	0.77	13.05	3.87	3.00	4.31
10.50	1.04	0.44	0.79	13.10	3.89	3.01	3.94
10.55	1.06	0.45	0.80	13.15	3.91	3.03	3.63
10.60	1.07	0.46	0.82	13.20	3.93	3.05	3.36
10.65	1.09	0.47	0.84	13.25	3.95	3.07	3.11
10.70	1.10	0.48	0.86	13.30	3.97	3.08	2.90
10.75	1.12	0.49	0.89	13.35	3.98	3.10	2.71
10.80	1.14	0.51	0.92	13.40	4.00	3.11	2.53
10.85	1.16	0.52	0.95	13.45	4.01	3.13	2.38
10.90	1.18	0.54	0.99	13.50	4.03	3.14	2.24
10.95	1.20	0.55	1.03	13.55	4.04	3.15	2.11
11.00	1.22	0.57	1.07	13.60	4.05	3.17	2.00
11.05	1.24	0.59	1.12	13.65	4.06	3.18	1.89
11.10	1.26	0.61	1.18	13.70	4.08	3.19	1.80
11.15	1.29	0.63	1.23	13.75	4.09	3.20	1.70
11.20	1.31	0.65	1.29	13.80	4.10	3.21	1.62
11.25	1.34	0.67	1.36	13.85	4.11	3.23	1.54
11.30	1.37	0.69	1.43	13.90	4.12	3.24	1.47
11.35	1.40	0.72	1.51	13.95	4.13	3.25	1.41
11.40	1.43	0.74	1.60	14.00	4.15	3.26	1.36
11.45	1.47	0.77	1.69	14.05	4.16	3.27	1.32
11.50	1.50	0.80	1.79	14.10	4.17	3.28	1.28
11.55	1.55	0.84	1.89	14.15	4.18	3.29	1.24
11.60	1.60	0.89	2.01	14.20	4.19	3.30	1.21
11.65	1.65	0.93	2.14	14.25	4.20	3.31	1.18
11.70	1.71	0.98	2.29	14.30	4.21	3.32	1.16
11.75	1.78	1.04	2.48	14.35	4.22	3.33	1.13
11.80	1.86	1.11	2.71	14.40	4.23	3.34	1.11
11.85	1.96	1.20	2.99	14.45	4.24	3.35	1.09
11.90	2.06	1.29	3.31	14.50	4.25	3.36	1.07
11.95	2.24	1.45	3.71	14.55	4.26	3.37	1.05
12.00	2.42	1.62	4.20	14.60	4.27	3.37	1.03
12.05	2.71	1.89	4.84	14.65	4.27	3.38	1.01
12.10	3.01	2.17	5.71	14.70	4.28	3.39	0.99
12.15	3.11	2.27	6.85	14.75	4.29	3.40	0.97
12.20	3.21	2.36	8.27	14.80	4.30	3.41	0.95
12.25	3.29	2.43	9.82	14.85	4.31	3.41	0.93
12.30	3.36	2.50	11.30	14.90	4.31	3.42	0.91
12.35	3.42	2.56	12.44	14.95	4.32	3.43	0.90
12.40	3.47	2.61	13.01	15.00	4.33	3.44	0.88
12.45	3.52	2.66	**13.06**	15.05	4.34	3.44	0.86
12.50	3.57	2.71	12.65	15.10	4.34	3.45	0.84
12.55	3.60	2.74	11.88	15.15	4.35	3.46	0.82
12.60	3.64	2.77	10.91	15.20	4.36	3.46	0.81
12.65	3.67	2.80	9.86	15.25	4.36	3.47	0.79
12.70	3.70	2.83	8.83	15.30	4.37	3.48	0.77
12.75	3.73	2.86	7.93	15.35	4.38	3.48	0.75
12.80	3.76	2.88	7.13	15.40	4.39	3.49	0.74
12.85	3.78	2.91	6.41	15.45	4.39	3.50	0.73
12.90	3.81	2.93	5.77	15.50	4.40	3.50	0.71
12.95	3.83	2.95	5.21	15.55	4.41	3.51	0.70

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	3.52	0.69	18.20	4.68	3.78	0.43
15.65	4.42	3.52	0.68	18.25	4.69	3.79	0.42
15.70	4.42	3.53	0.68	18.30	4.69	3.79	0.42
15.75	4.43	3.54	0.67	18.35	4.70	3.79	0.41
15.80	4.44	3.54	0.66	18.40	4.70	3.80	0.41
15.85	4.44	3.55	0.66	18.45	4.70	3.80	0.40
15.90	4.45	3.55	0.65	18.50	4.71	3.80	0.40
15.95	4.46	3.56	0.65	18.55	4.71	3.81	0.40
16.00	4.46	3.57	0.64	18.60	4.72	3.81	0.40
16.05	4.47	3.57	0.63	18.65	4.72	3.82	0.39
16.10	4.47	3.58	0.63	18.70	4.72	3.82	0.39
16.15	4.48	3.58	0.62	18.75	4.73	3.82	0.39
16.20	4.49	3.59	0.62	18.80	4.73	3.83	0.39
16.25	4.49	3.59	0.61	18.85	4.74	3.83	0.39
16.30	4.50	3.60	0.61	18.90	4.74	3.84	0.39
16.35	4.50	3.61	0.60	18.95	4.74	3.84	0.38
16.40	4.51	3.61	0.60	19.00	4.75	3.84	0.38
16.45	4.52	3.62	0.59	19.05	4.75	3.85	0.38
16.50	4.52	3.62	0.59	19.10	4.76	3.85	0.38
16.55	4.53	3.63	0.58	19.15	4.76	3.85	0.38
16.60	4.53	3.63	0.58	19.20	4.76	3.86	0.38
16.65	4.54	3.64	0.58	19.25	4.77	3.86	0.38
16.70	4.54	3.64	0.57	19.30	4.77	3.87	0.37
16.75	4.55	3.65	0.57	19.35	4.77	3.87	0.37
16.80	4.55	3.66	0.56	19.40	4.78	3.87	0.37
16.85	4.56	3.66	0.56	19.45	4.78	3.88	0.37
16.90	4.57	3.67	0.55	19.50	4.79	3.88	0.37
16.95	4.57	3.67	0.55	19.55	4.79	3.88	0.37
17.00	4.58	3.68	0.54	19.60	4.79	3.89	0.37
17.05	4.58	3.68	0.54	19.65	4.80	3.89	0.37
17.10	4.59	3.69	0.53	19.70	4.80	3.89	0.37
17.15	4.59	3.69	0.53	19.75	4.80	3.90	0.36
17.20	4.60	3.70	0.52	19.80	4.81	3.90	0.36
17.25	4.60	3.70	0.52	19.85	4.81	3.90	0.36
17.30	4.61	3.70	0.51	19.90	4.81	3.91	0.36
17.35	4.61	3.71	0.51	19.95	4.82	3.91	0.36
17.40	4.61	3.71	0.50	20.00	4.82	3.92	0.36
17.45	4.62	3.72	0.50	20.05	4.83	3.92	0.36
17.50	4.62	3.72	0.49	20.10	4.83	3.92	0.36
17.55	4.63	3.73	0.49	20.15	4.83	3.93	0.35
17.60	4.63	3.73	0.48	20.20	4.84	3.93	0.35
17.65	4.64	3.74	0.48	20.25	4.84	3.93	0.35
17.70	4.64	3.74	0.47	20.30	4.84	3.94	0.35
17.75	4.65	3.74	0.47	20.35	4.85	3.94	0.35
17.80	4.65	3.75	0.46	20.40	4.85	3.94	0.35
17.85	4.66	3.75	0.46	20.45	4.85	3.95	0.35
17.90	4.66	3.76	0.45	20.50	4.86	3.95	0.35
17.95	4.66	3.76	0.45	20.55	4.86	3.95	0.34
18.00	4.67	3.77	0.45	20.60	4.86	3.96	0.34
18.05	4.67	3.77	0.44	20.65	4.87	3.96	0.34
18.10	4.68	3.77	0.44	20.70	4.87	3.96	0.34
18.15	4.68	3.78	0.43	20.75	4.87	3.97	0.34

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	3.97	0.34	23.40	5.04	4.13	0.28
20.85	4.88	3.97	0.34	23.45	5.04	4.13	0.27
20.90	4.88	3.98	0.34	23.50	5.04	4.13	0.27
20.95	4.89	3.98	0.34	23.55	5.04	4.13	0.27
21.00	4.89	3.98	0.33	23.60	5.05	4.14	0.27
21.05	4.89	3.99	0.33	23.65	5.05	4.14	0.27
21.10	4.90	3.99	0.33	23.70	5.05	4.14	0.27
21.15	4.90	3.99	0.33	23.75	5.06	4.14	0.27
21.20	4.90	4.00	0.33	23.80	5.06	4.15	0.27
21.25	4.91	4.00	0.33	23.85	5.06	4.15	0.27
21.30	4.91	4.00	0.33	23.90	5.06	4.15	0.26
21.35	4.91	4.01	0.33	23.95	5.07	4.15	0.26
21.40	4.92	4.01	0.32	24.00	**5.07**	**4.16**	0.26
21.45	4.92	4.01	0.32	24.05	5.07	4.16	0.26
21.50	4.92	4.01	0.32	24.10	5.07	4.16	0.26
21.55	4.93	4.02	0.32	24.15	5.07	4.16	0.26
21.60	4.93	4.02	0.32	24.20	5.07	4.16	0.25
21.65	4.93	4.02	0.32	24.25	5.07	4.16	0.24
21.70	4.94	4.03	0.32	24.30	5.07	4.16	0.22
21.75	4.94	4.03	0.32	24.35	5.07	4.16	0.19
21.80	4.94	4.03	0.31	24.40	5.07	4.16	0.17
21.85	4.95	4.04	0.31	24.45	5.07	4.16	0.14
21.90	4.95	4.04	0.31	24.50	5.07	4.16	0.11
21.95	4.95	4.04	0.31	24.55	5.07	4.16	0.09
22.00	4.96	4.05	0.31	24.60	5.07	4.16	0.07
22.05	4.96	4.05	0.31	24.65	5.07	4.16	0.05
22.10	4.96	4.05	0.31	24.70	5.07	4.16	0.04
22.15	4.96	4.05	0.31	24.75	5.07	4.16	0.03
22.20	4.97	4.06	0.30	24.80	5.07	4.16	0.03
22.25	4.97	4.06	0.30	24.85	5.07	4.16	0.02
22.30	4.97	4.06	0.30	24.90	5.07	4.16	0.02
22.35	4.98	4.07	0.30	24.95	5.07	4.16	0.01
22.40	4.98	4.07	0.30	25.00	5.07	4.16	0.01
22.45	4.98	4.07	0.30	25.05	5.07	4.16	0.01
22.50	4.99	4.08	0.30	25.10	5.07	4.16	0.01
22.55	4.99	4.08	0.30	25.15	5.07	4.16	0.01
22.60	4.99	4.08	0.30	25.20	5.07	4.16	0.00
22.65	4.99	4.08	0.29	25.25	5.07	4.16	0.00
22.70	5.00	4.09	0.29	25.30	5.07	4.16	0.00
22.75	5.00	4.09	0.29	25.35	5.07	4.16	0.00
22.80	5.00	4.09	0.29	25.40	5.07	4.16	0.00
22.85	5.01	4.10	0.29	25.45	5.07	4.16	0.00
22.90	5.01	4.10	0.29	25.50	5.07	4.16	0.00
22.95	5.01	4.10	0.29	25.55	5.07	4.16	0.00
23.00	5.01	4.10	0.29	25.60	5.07	4.16	0.00
23.05	5.02	4.11	0.28	25.65	5.07	4.16	0.00
23.10	5.02	4.11	0.28	25.70	5.07	4.16	0.00
23.15	5.02	4.11	0.28	25.75	5.07	4.16	0.00
23.20	5.03	4.11	0.28	25.80	5.07	4.16	0.00
23.25	5.03	4.12	0.28	25.85	5.07	4.16	0.00
23.30	5.03	4.12	0.28	25.90	5.07	4.16	0.00
23.35	5.03	4.12	0.28	25.95	5.07	4.16	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.16	0.00	28.60	5.07	4.16	0.00
26.05	5.07	4.16	0.00	28.65	5.07	4.16	0.00
26.10	5.07	4.16	0.00	28.70	5.07	4.16	0.00
26.15	5.07	4.16	0.00	28.75	5.07	4.16	0.00
26.20	5.07	4.16	0.00	28.80	5.07	4.16	0.00
26.25	5.07	4.16	0.00	28.85	5.07	4.16	0.00
26.30	5.07	4.16	0.00	28.90	5.07	4.16	0.00
26.35	5.07	4.16	0.00	28.95	5.07	4.16	0.00
26.40	5.07	4.16	0.00	29.00	5.07	4.16	0.00
26.45	5.07	4.16	0.00	29.05	5.07	4.16	0.00
26.50	5.07	4.16	0.00	29.10	5.07	4.16	0.00
26.55	5.07	4.16	0.00	29.15	5.07	4.16	0.00
26.60	5.07	4.16	0.00	29.20	5.07	4.16	0.00
26.65	5.07	4.16	0.00	29.25	5.07	4.16	0.00
26.70	5.07	4.16	0.00	29.30	5.07	4.16	0.00
26.75	5.07	4.16	0.00	29.35	5.07	4.16	0.00
26.80	5.07	4.16	0.00	29.40	5.07	4.16	0.00
26.85	5.07	4.16	0.00	29.45	5.07	4.16	0.00
26.90	5.07	4.16	0.00	29.50	5.07	4.16	0.00
26.95	5.07	4.16	0.00	29.55	5.07	4.16	0.00
27.00	5.07	4.16	0.00	29.60	5.07	4.16	0.00
27.05	5.07	4.16	0.00	29.65	5.07	4.16	0.00
27.10	5.07	4.16	0.00	29.70	5.07	4.16	0.00
27.15	5.07	4.16	0.00	29.75	5.07	4.16	0.00
27.20	5.07	4.16	0.00	29.80	5.07	4.16	0.00
27.25	5.07	4.16	0.00	29.85	5.07	4.16	0.00
27.30	5.07	4.16	0.00	29.90	5.07	4.16	0.00
27.35	5.07	4.16	0.00	29.95	5.07	4.16	0.00
27.40	5.07	4.16	0.00	30.00	5.07	4.16	0.00
27.45	5.07	4.16	0.00	30.05	5.07	4.16	0.00
27.50	5.07	4.16	0.00	30.10	5.07	4.16	0.00
27.55	5.07	4.16	0.00	30.15	5.07	4.16	0.00
27.60	5.07	4.16	0.00	30.20	5.07	4.16	0.00
27.65	5.07	4.16	0.00	30.25	5.07	4.16	0.00
27.70	5.07	4.16	0.00	30.30	5.07	4.16	0.00
27.75	5.07	4.16	0.00	30.35	5.07	4.16	0.00
27.80	5.07	4.16	0.00	30.40	5.07	4.16	0.00
27.85	5.07	4.16	0.00	30.45	5.07	4.16	0.00
27.90	5.07	4.16	0.00	30.50	5.07	4.16	0.00
27.95	5.07	4.16	0.00	30.55	5.07	4.16	0.00
28.00	5.07	4.16	0.00	30.60	5.07	4.16	0.00
28.05	5.07	4.16	0.00	30.65	5.07	4.16	0.00
28.10	5.07	4.16	0.00	30.70	5.07	4.16	0.00
28.15	5.07	4.16	0.00	30.75	5.07	4.16	0.00
28.20	5.07	4.16	0.00	30.80	5.07	4.16	0.00
28.25	5.07	4.16	0.00	30.85	5.07	4.16	0.00
28.30	5.07	4.16	0.00	30.90	5.07	4.16	0.00
28.35	5.07	4.16	0.00	30.95	5.07	4.16	0.00
28.40	5.07	4.16	0.00	31.00	5.07	4.16	0.00
28.45	5.07	4.16	0.00	31.05	5.07	4.16	0.00
28.50	5.07	4.16	0.00	31.10	5.07	4.16	0.00
28.55	5.07	4.16	0.00	31.15	5.07	4.16	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.16	0.00	33.80	5.07	4.16	0.00
31.25	5.07	4.16	0.00	33.85	5.07	4.16	0.00
31.30	5.07	4.16	0.00	33.90	5.07	4.16	0.00
31.35	5.07	4.16	0.00	33.95	5.07	4.16	0.00
31.40	5.07	4.16	0.00	34.00	5.07	4.16	0.00
31.45	5.07	4.16	0.00	34.05	5.07	4.16	0.00
31.50	5.07	4.16	0.00	34.10	5.07	4.16	0.00
31.55	5.07	4.16	0.00	34.15	5.07	4.16	0.00
31.60	5.07	4.16	0.00	34.20	5.07	4.16	0.00
31.65	5.07	4.16	0.00	34.25	5.07	4.16	0.00
31.70	5.07	4.16	0.00	34.30	5.07	4.16	0.00
31.75	5.07	4.16	0.00	34.35	5.07	4.16	0.00
31.80	5.07	4.16	0.00	34.40	5.07	4.16	0.00
31.85	5.07	4.16	0.00	34.45	5.07	4.16	0.00
31.90	5.07	4.16	0.00	34.50	5.07	4.16	0.00
31.95	5.07	4.16	0.00	34.55	5.07	4.16	0.00
32.00	5.07	4.16	0.00	34.60	5.07	4.16	0.00
32.05	5.07	4.16	0.00	34.65	5.07	4.16	0.00
32.10	5.07	4.16	0.00	34.70	5.07	4.16	0.00
32.15	5.07	4.16	0.00	34.75	5.07	4.16	0.00
32.20	5.07	4.16	0.00	34.80	5.07	4.16	0.00
32.25	5.07	4.16	0.00	34.85	5.07	4.16	0.00
32.30	5.07	4.16	0.00	34.90	5.07	4.16	0.00
32.35	5.07	4.16	0.00	34.95	5.07	4.16	0.00
32.40	5.07	4.16	0.00	35.00	5.07	4.16	0.00
32.45	5.07	4.16	0.00	35.05	5.07	4.16	0.00
32.50	5.07	4.16	0.00	35.10	5.07	4.16	0.00
32.55	5.07	4.16	0.00	35.15	5.07	4.16	0.00
32.60	5.07	4.16	0.00	35.20	5.07	4.16	0.00
32.65	5.07	4.16	0.00	35.25	5.07	4.16	0.00
32.70	5.07	4.16	0.00	35.30	5.07	4.16	0.00
32.75	5.07	4.16	0.00	35.35	5.07	4.16	0.00
32.80	5.07	4.16	0.00	35.40	5.07	4.16	0.00
32.85	5.07	4.16	0.00	35.45	5.07	4.16	0.00
32.90	5.07	4.16	0.00	35.50	5.07	4.16	0.00
32.95	5.07	4.16	0.00	35.55	5.07	4.16	0.00
33.00	5.07	4.16	0.00	35.60	5.07	4.16	0.00
33.05	5.07	4.16	0.00	35.65	5.07	4.16	0.00
33.10	5.07	4.16	0.00	35.70	5.07	4.16	0.00
33.15	5.07	4.16	0.00	35.75	5.07	4.16	0.00
33.20	5.07	4.16	0.00	35.80	5.07	4.16	0.00
33.25	5.07	4.16	0.00	35.85	5.07	4.16	0.00
33.30	5.07	4.16	0.00	35.90	5.07	4.16	0.00
33.35	5.07	4.16	0.00	35.95	5.07	4.16	0.00
33.40	5.07	4.16	0.00	36.00	5.07	4.16	0.00
33.45	5.07	4.16	0.00	36.05	5.07	4.16	0.00
33.50	5.07	4.16	0.00	36.10	5.07	4.16	0.00
33.55	5.07	4.16	0.00	36.15	5.07	4.16	0.00
33.60	5.07	4.16	0.00	36.20	5.07	4.16	0.00
33.65	5.07	4.16	0.00	36.25	5.07	4.16	0.00
33.70	5.07	4.16	0.00	36.30	5.07	4.16	0.00
33.75	5.07	4.16	0.00	36.35	5.07	4.16	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.16	0.00
36.45	5.07	4.16	0.00
36.50	5.07	4.16	0.00
36.55	5.07	4.16	0.00
36.60	5.07	4.16	0.00
36.65	5.07	4.16	0.00
36.70	5.07	4.16	0.00
36.75	5.07	4.16	0.00
36.80	5.07	4.16	0.00
36.85	5.07	4.16	0.00
36.90	5.07	4.16	0.00
36.95	5.07	4.16	0.00
37.00	5.07	4.16	0.00
37.05	5.07	4.16	0.00
37.10	5.07	4.16	0.00
37.15	5.07	4.16	0.00
37.20	5.07	4.16	0.00
37.25	5.07	4.16	0.00
37.30	5.07	4.16	0.00
37.35	5.07	4.16	0.00
37.40	5.07	4.16	0.00
37.45	5.07	4.16	0.00
37.50	5.07	4.16	0.00
37.55	5.07	4.16	0.00
37.60	5.07	4.16	0.00
37.65	5.07	4.16	0.00
37.70	5.07	4.16	0.00
37.75	5.07	4.16	0.00
37.80	5.07	4.16	0.00
37.85	5.07	4.16	0.00
37.90	5.07	4.16	0.00
37.95	5.07	4.16	0.00
38.00	5.07	4.16	0.00
38.05	5.07	4.16	0.00
38.10	5.07	4.16	0.00
38.15	5.07	4.16	0.00
38.20	5.07	4.16	0.00
38.25	5.07	4.16	0.00
38.30	5.07	4.16	0.00
38.35	5.07	4.16	0.00
38.40	5.07	4.16	0.00
38.45	5.07	4.16	0.00
38.50	5.07	4.16	0.00
38.55	5.07	4.16	0.00
38.60	5.07	4.16	0.00
38.65	5.07	4.16	0.00
38.70	5.07	4.16	0.00
38.75	5.07	4.16	0.00
38.80	5.07	4.16	0.00
38.85	5.07	4.16	0.00
38.90	5.07	4.16	0.00
38.95	5.07	4.16	0.00
39.00	5.07	4.16	0.00
39.05	5.07	4.16	0.00
39.10	5.07	4.16	0.00
39.15	5.07	4.16	0.00
39.20	5.07	4.16	0.00
39.25	5.07	4.16	0.00
39.30	5.07	4.16	0.00
39.35	5.07	4.16	0.00
39.40	5.07	4.16	0.00
39.45	5.07	4.16	0.00
39.50	5.07	4.16	0.00
39.55	5.07	4.16	0.00
39.60	5.07	4.16	0.00
39.65	5.07	4.16	0.00
39.70	5.07	4.16	0.00
39.75	5.07	4.16	0.00
39.80	5.07	4.16	0.00
39.85	5.07	4.16	0.00
39.90	5.07	4.16	0.00
39.95	5.07	4.16	0.00
40.00	5.07	4.16	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

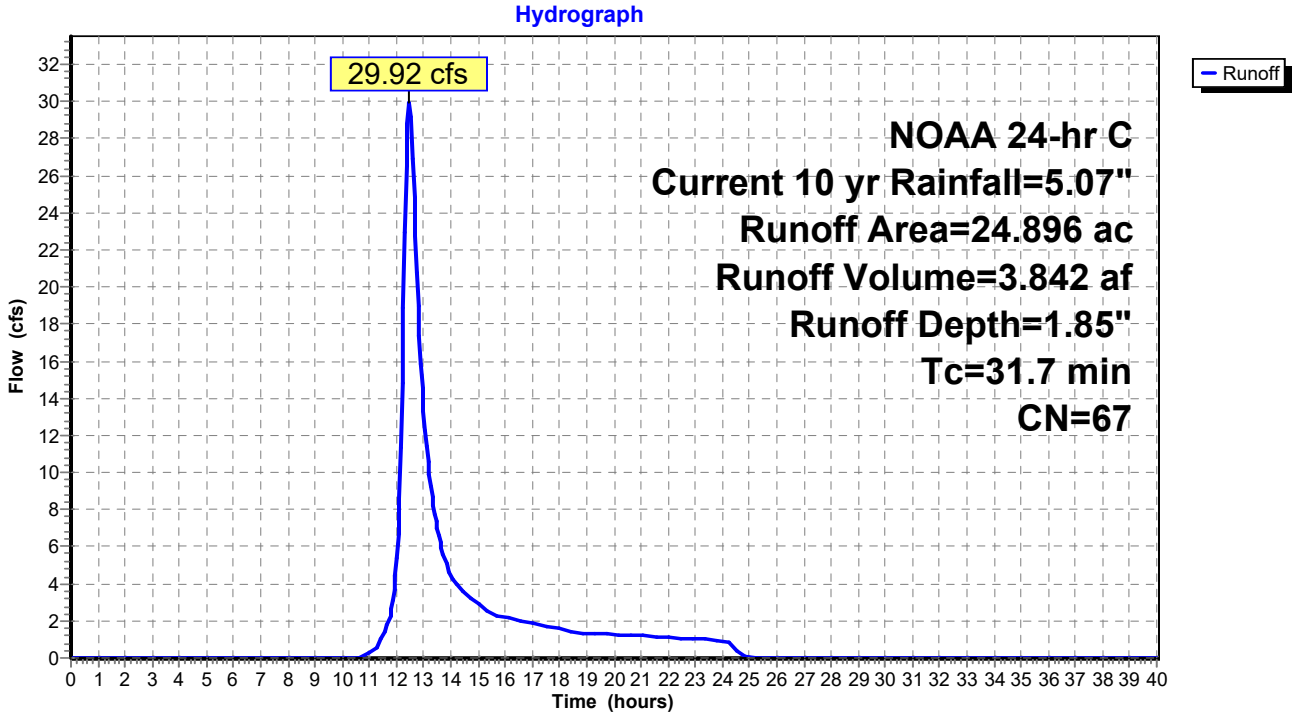
Runoff = 29.92 cfs @ 12.47 hrs, Volume= 3.842 af, Depth= 1.85"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	1.06	13.35
10.45	1.03	0.00	0.00	13.05	3.87	1.07	12.31
10.50	1.04	0.00	0.00	13.10	3.89	1.08	11.40
10.55	1.06	0.00	0.01	13.15	3.91	1.09	10.61
10.60	1.07	0.00	0.02	13.20	3.93	1.10	9.92
10.65	1.09	0.00	0.03	13.25	3.95	1.11	9.29
10.70	1.10	0.00	0.04	13.30	3.97	1.12	8.72
10.75	1.12	0.00	0.06	13.35	3.98	1.13	8.22
10.80	1.14	0.00	0.08	13.40	4.00	1.14	7.75
10.85	1.16	0.01	0.11	13.45	4.01	1.15	7.32
10.90	1.18	0.01	0.15	13.50	4.03	1.16	6.94
10.95	1.20	0.01	0.19	13.55	4.04	1.17	6.59
11.00	1.22	0.01	0.23	13.60	4.05	1.18	6.27
11.05	1.24	0.01	0.28	13.65	4.06	1.18	5.97
11.10	1.26	0.01	0.34	13.70	4.08	1.19	5.69
11.15	1.29	0.02	0.40	13.75	4.09	1.20	5.42
11.20	1.31	0.02	0.47	13.80	4.10	1.21	5.17
11.25	1.34	0.02	0.55	13.85	4.11	1.21	4.94
11.30	1.37	0.03	0.64	13.90	4.12	1.22	4.74
11.35	1.40	0.03	0.75	13.95	4.13	1.23	4.56
11.40	1.43	0.04	0.86	14.00	4.15	1.24	4.41
11.45	1.47	0.04	0.99	14.05	4.16	1.24	4.27
11.50	1.50	0.05	1.13	14.10	4.17	1.25	4.15
11.55	1.55	0.06	1.29	14.15	4.18	1.26	4.05
11.60	1.60	0.07	1.47	14.20	4.19	1.26	3.96
11.65	1.65	0.08	1.68	14.25	4.20	1.27	3.87
11.70	1.71	0.09	1.93	14.30	4.21	1.28	3.79
11.75	1.78	0.11	2.25	14.35	4.22	1.28	3.72
11.80	1.86	0.13	2.63	14.40	4.23	1.29	3.65
11.85	1.96	0.16	3.11	14.45	4.24	1.29	3.59
11.90	2.06	0.19	3.69	14.50	4.25	1.30	3.52
11.95	2.24	0.25	4.43	14.55	4.26	1.31	3.46
12.00	2.42	0.32	5.39	14.60	4.27	1.31	3.40
12.05	2.71	0.45	6.73	14.65	4.27	1.32	3.34
12.10	3.01	0.59	8.62	14.70	4.28	1.32	3.28
12.15	3.11	0.64	11.29	14.75	4.29	1.33	3.22
12.20	3.21	0.69	14.79	14.80	4.30	1.33	3.16
12.25	3.29	0.73	18.84	14.85	4.31	1.34	3.11
12.30	3.36	0.77	22.96	14.90	4.31	1.34	3.05
12.35	3.42	0.80	26.49	14.95	4.32	1.35	2.99
12.40	3.47	0.83	28.79	15.00	4.33	1.35	2.93
12.45	3.52	0.86	**29.83**	15.05	4.34	1.36	2.88
12.50	3.57	0.89	29.70	15.10	4.34	1.36	2.82
12.55	3.60	0.91	28.63	15.15	4.35	1.37	2.76
12.60	3.64	0.93	26.92	15.20	4.36	1.37	2.70
12.65	3.67	0.95	24.85	15.25	4.36	1.38	2.65
12.70	3.70	0.96	22.71	15.30	4.37	1.38	2.59
12.75	3.73	0.98	20.76	15.35	4.38	1.38	2.54
12.80	3.76	1.00	18.98	15.40	4.39	1.39	2.49
12.85	3.78	1.01	17.34	15.45	4.39	1.39	2.45
12.90	3.81	1.03	15.85	15.50	4.40	1.40	2.41
12.95	3.83	1.04	14.52	15.55	4.41	1.40	2.38

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.41	2.35	18.20	4.68	1.59	1.49
15.65	4.42	1.41	2.32	18.25	4.69	1.59	1.47
15.70	4.42	1.41	2.29	18.30	4.69	1.59	1.46
15.75	4.43	1.42	2.27	18.35	4.70	1.59	1.44
15.80	4.44	1.42	2.25	18.40	4.70	1.60	1.43
15.85	4.44	1.43	2.23	18.45	4.70	1.60	1.42
15.90	4.45	1.43	2.21	18.50	4.71	1.60	1.41
15.95	4.46	1.44	2.20	18.55	4.71	1.61	1.40
16.00	4.46	1.44	2.18	18.60	4.72	1.61	1.39
16.05	4.47	1.44	2.16	18.65	4.72	1.61	1.38
16.10	4.47	1.45	2.15	18.70	4.72	1.61	1.38
16.15	4.48	1.45	2.13	18.75	4.73	1.62	1.37
16.20	4.49	1.46	2.11	18.80	4.73	1.62	1.37
16.25	4.49	1.46	2.10	18.85	4.74	1.62	1.36
16.30	4.50	1.46	2.08	18.90	4.74	1.62	1.36
16.35	4.50	1.47	2.07	18.95	4.74	1.63	1.35
16.40	4.51	1.47	2.05	19.00	4.75	1.63	1.35
16.45	4.52	1.47	2.04	19.05	4.75	1.63	1.34
16.50	4.52	1.48	2.02	19.10	4.76	1.63	1.34
16.55	4.53	1.48	2.01	19.15	4.76	1.64	1.33
16.60	4.53	1.49	1.99	19.20	4.76	1.64	1.33
16.65	4.54	1.49	1.98	19.25	4.77	1.64	1.33
16.70	4.54	1.49	1.96	19.30	4.77	1.64	1.32
16.75	4.55	1.50	1.95	19.35	4.77	1.65	1.32
16.80	4.55	1.50	1.93	19.40	4.78	1.65	1.32
16.85	4.56	1.50	1.92	19.45	4.78	1.65	1.31
16.90	4.57	1.51	1.90	19.50	4.79	1.66	1.31
16.95	4.57	1.51	1.89	19.55	4.79	1.66	1.30
17.00	4.58	1.51	1.87	19.60	4.79	1.66	1.30
17.05	4.58	1.52	1.85	19.65	4.80	1.66	1.30
17.10	4.59	1.52	1.84	19.70	4.80	1.67	1.29
17.15	4.59	1.52	1.82	19.75	4.80	1.67	1.29
17.20	4.60	1.53	1.81	19.80	4.81	1.67	1.28
17.25	4.60	1.53	1.79	19.85	4.81	1.67	1.28
17.30	4.61	1.53	1.78	19.90	4.81	1.68	1.28
17.35	4.61	1.54	1.76	19.95	4.82	1.68	1.27
17.40	4.61	1.54	1.75	20.00	4.82	1.68	1.27
17.45	4.62	1.54	1.73	20.05	4.83	1.68	1.27
17.50	4.62	1.55	1.71	20.10	4.83	1.68	1.26
17.55	4.63	1.55	1.70	20.15	4.83	1.69	1.26
17.60	4.63	1.55	1.68	20.20	4.84	1.69	1.26
17.65	4.64	1.56	1.67	20.25	4.84	1.69	1.25
17.70	4.64	1.56	1.65	20.30	4.84	1.69	1.25
17.75	4.65	1.56	1.63	20.35	4.85	1.70	1.24
17.80	4.65	1.56	1.62	20.40	4.85	1.70	1.24
17.85	4.66	1.57	1.60	20.45	4.85	1.70	1.24
17.90	4.66	1.57	1.59	20.50	4.86	1.70	1.23
17.95	4.66	1.57	1.57	20.55	4.86	1.71	1.23
18.00	4.67	1.58	1.55	20.60	4.86	1.71	1.22
18.05	4.67	1.58	1.54	20.65	4.87	1.71	1.22
18.10	4.68	1.58	1.52	20.70	4.87	1.71	1.22
18.15	4.68	1.58	1.51	20.75	4.87	1.72	1.21

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.72	1.21	23.40	5.04	1.83	1.00
20.85	4.88	1.72	1.21	23.45	5.04	1.83	0.99
20.90	4.88	1.72	1.20	23.50	5.04	1.83	0.99
20.95	4.89	1.73	1.20	23.55	5.04	1.83	0.99
21.00	4.89	1.73	1.19	23.60	5.05	1.84	0.98
21.05	4.89	1.73	1.19	23.65	5.05	1.84	0.98
21.10	4.90	1.73	1.19	23.70	5.05	1.84	0.97
21.15	4.90	1.73	1.18	23.75	5.06	1.84	0.97
21.20	4.90	1.74	1.18	23.80	5.06	1.84	0.97
21.25	4.91	1.74	1.17	23.85	5.06	1.85	0.96
21.30	4.91	1.74	1.17	23.90	5.06	1.85	0.96
21.35	4.91	1.74	1.16	23.95	5.07	1.85	0.95
21.40	4.92	1.75	1.16	24.00	**5.07**	**1.85**	0.95
21.45	4.92	1.75	1.16	24.05	5.07	1.85	0.95
21.50	4.92	1.75	1.15	24.10	5.07	1.85	0.95
21.55	4.93	1.75	1.15	24.15	5.07	1.85	0.94
21.60	4.93	1.75	1.15	24.20	5.07	1.85	0.91
21.65	4.93	1.76	1.14	24.25	5.07	1.85	0.86
21.70	4.94	1.76	1.14	24.30	5.07	1.85	0.79
21.75	4.94	1.76	1.13	24.35	5.07	1.85	0.70
21.80	4.94	1.76	1.13	24.40	5.07	1.85	0.60
21.85	4.95	1.77	1.13	24.45	5.07	1.85	0.50
21.90	4.95	1.77	1.12	24.50	5.07	1.85	0.41
21.95	4.95	1.77	1.12	24.55	5.07	1.85	0.32
22.00	4.96	1.77	1.11	24.60	5.07	1.85	0.25
22.05	4.96	1.77	1.11	24.65	5.07	1.85	0.20
22.10	4.96	1.78	1.11	24.70	5.07	1.85	0.16
22.15	4.96	1.78	1.10	24.75	5.07	1.85	0.13
22.20	4.97	1.78	1.10	24.80	5.07	1.85	0.10
22.25	4.97	1.78	1.09	24.85	5.07	1.85	0.08
22.30	4.97	1.78	1.09	24.90	5.07	1.85	0.06
22.35	4.98	1.79	1.09	24.95	5.07	1.85	0.05
22.40	4.98	1.79	1.08	25.00	5.07	1.85	0.04
22.45	4.98	1.79	1.08	25.05	5.07	1.85	0.03
22.50	4.99	1.79	1.07	25.10	5.07	1.85	0.02
22.55	4.99	1.80	1.07	25.15	5.07	1.85	0.02
22.60	4.99	1.80	1.07	25.20	5.07	1.85	0.01
22.65	4.99	1.80	1.06	25.25	5.07	1.85	0.01
22.70	5.00	1.80	1.06	25.30	5.07	1.85	0.01
22.75	5.00	1.80	1.05	25.35	5.07	1.85	0.01
22.80	5.00	1.81	1.05	25.40	5.07	1.85	0.01
22.85	5.01	1.81	1.05	25.45	5.07	1.85	0.00
22.90	5.01	1.81	1.04	25.50	5.07	1.85	0.00
22.95	5.01	1.81	1.04	25.55	5.07	1.85	0.00
23.00	5.01	1.81	1.03	25.60	5.07	1.85	0.00
23.05	5.02	1.82	1.03	25.65	5.07	1.85	0.00
23.10	5.02	1.82	1.02	25.70	5.07	1.85	0.00
23.15	5.02	1.82	1.02	25.75	5.07	1.85	0.00
23.20	5.03	1.82	1.02	25.80	5.07	1.85	0.00
23.25	5.03	1.82	1.01	25.85	5.07	1.85	0.00
23.30	5.03	1.82	1.01	25.90	5.07	1.85	0.00
23.35	5.03	1.83	1.00	25.95	5.07	1.85	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.85	0.00	28.60	5.07	1.85	0.00
26.05	5.07	1.85	0.00	28.65	5.07	1.85	0.00
26.10	5.07	1.85	0.00	28.70	5.07	1.85	0.00
26.15	5.07	1.85	0.00	28.75	5.07	1.85	0.00
26.20	5.07	1.85	0.00	28.80	5.07	1.85	0.00
26.25	5.07	1.85	0.00	28.85	5.07	1.85	0.00
26.30	5.07	1.85	0.00	28.90	5.07	1.85	0.00
26.35	5.07	1.85	0.00	28.95	5.07	1.85	0.00
26.40	5.07	1.85	0.00	29.00	5.07	1.85	0.00
26.45	5.07	1.85	0.00	29.05	5.07	1.85	0.00
26.50	5.07	1.85	0.00	29.10	5.07	1.85	0.00
26.55	5.07	1.85	0.00	29.15	5.07	1.85	0.00
26.60	5.07	1.85	0.00	29.20	5.07	1.85	0.00
26.65	5.07	1.85	0.00	29.25	5.07	1.85	0.00
26.70	5.07	1.85	0.00	29.30	5.07	1.85	0.00
26.75	5.07	1.85	0.00	29.35	5.07	1.85	0.00
26.80	5.07	1.85	0.00	29.40	5.07	1.85	0.00
26.85	5.07	1.85	0.00	29.45	5.07	1.85	0.00
26.90	5.07	1.85	0.00	29.50	5.07	1.85	0.00
26.95	5.07	1.85	0.00	29.55	5.07	1.85	0.00
27.00	5.07	1.85	0.00	29.60	5.07	1.85	0.00
27.05	5.07	1.85	0.00	29.65	5.07	1.85	0.00
27.10	5.07	1.85	0.00	29.70	5.07	1.85	0.00
27.15	5.07	1.85	0.00	29.75	5.07	1.85	0.00
27.20	5.07	1.85	0.00	29.80	5.07	1.85	0.00
27.25	5.07	1.85	0.00	29.85	5.07	1.85	0.00
27.30	5.07	1.85	0.00	29.90	5.07	1.85	0.00
27.35	5.07	1.85	0.00	29.95	5.07	1.85	0.00
27.40	5.07	1.85	0.00	30.00	5.07	1.85	0.00
27.45	5.07	1.85	0.00	30.05	5.07	1.85	0.00
27.50	5.07	1.85	0.00	30.10	5.07	1.85	0.00
27.55	5.07	1.85	0.00	30.15	5.07	1.85	0.00
27.60	5.07	1.85	0.00	30.20	5.07	1.85	0.00
27.65	5.07	1.85	0.00	30.25	5.07	1.85	0.00
27.70	5.07	1.85	0.00	30.30	5.07	1.85	0.00
27.75	5.07	1.85	0.00	30.35	5.07	1.85	0.00
27.80	5.07	1.85	0.00	30.40	5.07	1.85	0.00
27.85	5.07	1.85	0.00	30.45	5.07	1.85	0.00
27.90	5.07	1.85	0.00	30.50	5.07	1.85	0.00
27.95	5.07	1.85	0.00	30.55	5.07	1.85	0.00
28.00	5.07	1.85	0.00	30.60	5.07	1.85	0.00
28.05	5.07	1.85	0.00	30.65	5.07	1.85	0.00
28.10	5.07	1.85	0.00	30.70	5.07	1.85	0.00
28.15	5.07	1.85	0.00	30.75	5.07	1.85	0.00
28.20	5.07	1.85	0.00	30.80	5.07	1.85	0.00
28.25	5.07	1.85	0.00	30.85	5.07	1.85	0.00
28.30	5.07	1.85	0.00	30.90	5.07	1.85	0.00
28.35	5.07	1.85	0.00	30.95	5.07	1.85	0.00
28.40	5.07	1.85	0.00	31.00	5.07	1.85	0.00
28.45	5.07	1.85	0.00	31.05	5.07	1.85	0.00
28.50	5.07	1.85	0.00	31.10	5.07	1.85	0.00
28.55	5.07	1.85	0.00	31.15	5.07	1.85	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.85	0.00	33.80	5.07	1.85	0.00
31.25	5.07	1.85	0.00	33.85	5.07	1.85	0.00
31.30	5.07	1.85	0.00	33.90	5.07	1.85	0.00
31.35	5.07	1.85	0.00	33.95	5.07	1.85	0.00
31.40	5.07	1.85	0.00	34.00	5.07	1.85	0.00
31.45	5.07	1.85	0.00	34.05	5.07	1.85	0.00
31.50	5.07	1.85	0.00	34.10	5.07	1.85	0.00
31.55	5.07	1.85	0.00	34.15	5.07	1.85	0.00
31.60	5.07	1.85	0.00	34.20	5.07	1.85	0.00
31.65	5.07	1.85	0.00	34.25	5.07	1.85	0.00
31.70	5.07	1.85	0.00	34.30	5.07	1.85	0.00
31.75	5.07	1.85	0.00	34.35	5.07	1.85	0.00
31.80	5.07	1.85	0.00	34.40	5.07	1.85	0.00
31.85	5.07	1.85	0.00	34.45	5.07	1.85	0.00
31.90	5.07	1.85	0.00	34.50	5.07	1.85	0.00
31.95	5.07	1.85	0.00	34.55	5.07	1.85	0.00
32.00	5.07	1.85	0.00	34.60	5.07	1.85	0.00
32.05	5.07	1.85	0.00	34.65	5.07	1.85	0.00
32.10	5.07	1.85	0.00	34.70	5.07	1.85	0.00
32.15	5.07	1.85	0.00	34.75	5.07	1.85	0.00
32.20	5.07	1.85	0.00	34.80	5.07	1.85	0.00
32.25	5.07	1.85	0.00	34.85	5.07	1.85	0.00
32.30	5.07	1.85	0.00	34.90	5.07	1.85	0.00
32.35	5.07	1.85	0.00	34.95	5.07	1.85	0.00
32.40	5.07	1.85	0.00	35.00	5.07	1.85	0.00
32.45	5.07	1.85	0.00	35.05	5.07	1.85	0.00
32.50	5.07	1.85	0.00	35.10	5.07	1.85	0.00
32.55	5.07	1.85	0.00	35.15	5.07	1.85	0.00
32.60	5.07	1.85	0.00	35.20	5.07	1.85	0.00
32.65	5.07	1.85	0.00	35.25	5.07	1.85	0.00
32.70	5.07	1.85	0.00	35.30	5.07	1.85	0.00
32.75	5.07	1.85	0.00	35.35	5.07	1.85	0.00
32.80	5.07	1.85	0.00	35.40	5.07	1.85	0.00
32.85	5.07	1.85	0.00	35.45	5.07	1.85	0.00
32.90	5.07	1.85	0.00	35.50	5.07	1.85	0.00
32.95	5.07	1.85	0.00	35.55	5.07	1.85	0.00
33.00	5.07	1.85	0.00	35.60	5.07	1.85	0.00
33.05	5.07	1.85	0.00	35.65	5.07	1.85	0.00
33.10	5.07	1.85	0.00	35.70	5.07	1.85	0.00
33.15	5.07	1.85	0.00	35.75	5.07	1.85	0.00
33.20	5.07	1.85	0.00	35.80	5.07	1.85	0.00
33.25	5.07	1.85	0.00	35.85	5.07	1.85	0.00
33.30	5.07	1.85	0.00	35.90	5.07	1.85	0.00
33.35	5.07	1.85	0.00	35.95	5.07	1.85	0.00
33.40	5.07	1.85	0.00	36.00	5.07	1.85	0.00
33.45	5.07	1.85	0.00	36.05	5.07	1.85	0.00
33.50	5.07	1.85	0.00	36.10	5.07	1.85	0.00
33.55	5.07	1.85	0.00	36.15	5.07	1.85	0.00
33.60	5.07	1.85	0.00	36.20	5.07	1.85	0.00
33.65	5.07	1.85	0.00	36.25	5.07	1.85	0.00
33.70	5.07	1.85	0.00	36.30	5.07	1.85	0.00
33.75	5.07	1.85	0.00	36.35	5.07	1.85	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.85	0.00
36.45	5.07	1.85	0.00
36.50	5.07	1.85	0.00
36.55	5.07	1.85	0.00
36.60	5.07	1.85	0.00
36.65	5.07	1.85	0.00
36.70	5.07	1.85	0.00
36.75	5.07	1.85	0.00
36.80	5.07	1.85	0.00
36.85	5.07	1.85	0.00
36.90	5.07	1.85	0.00
36.95	5.07	1.85	0.00
37.00	5.07	1.85	0.00
37.05	5.07	1.85	0.00
37.10	5.07	1.85	0.00
37.15	5.07	1.85	0.00
37.20	5.07	1.85	0.00
37.25	5.07	1.85	0.00
37.30	5.07	1.85	0.00
37.35	5.07	1.85	0.00
37.40	5.07	1.85	0.00
37.45	5.07	1.85	0.00
37.50	5.07	1.85	0.00
37.55	5.07	1.85	0.00
37.60	5.07	1.85	0.00
37.65	5.07	1.85	0.00
37.70	5.07	1.85	0.00
37.75	5.07	1.85	0.00
37.80	5.07	1.85	0.00
37.85	5.07	1.85	0.00
37.90	5.07	1.85	0.00
37.95	5.07	1.85	0.00
38.00	5.07	1.85	0.00
38.05	5.07	1.85	0.00
38.10	5.07	1.85	0.00
38.15	5.07	1.85	0.00
38.20	5.07	1.85	0.00
38.25	5.07	1.85	0.00
38.30	5.07	1.85	0.00
38.35	5.07	1.85	0.00
38.40	5.07	1.85	0.00
38.45	5.07	1.85	0.00
38.50	5.07	1.85	0.00
38.55	5.07	1.85	0.00
38.60	5.07	1.85	0.00
38.65	5.07	1.85	0.00
38.70	5.07	1.85	0.00
38.75	5.07	1.85	0.00
38.80	5.07	1.85	0.00
38.85	5.07	1.85	0.00
38.90	5.07	1.85	0.00
38.95	5.07	1.85	0.00
39.00	5.07	1.85	0.00
39.05	5.07	1.85	0.00
39.10	5.07	1.85	0.00
39.15	5.07	1.85	0.00
39.20	5.07	1.85	0.00
39.25	5.07	1.85	0.00
39.30	5.07	1.85	0.00
39.35	5.07	1.85	0.00
39.40	5.07	1.85	0.00
39.45	5.07	1.85	0.00
39.50	5.07	1.85	0.00
39.55	5.07	1.85	0.00
39.60	5.07	1.85	0.00
39.65	5.07	1.85	0.00
39.70	5.07	1.85	0.00
39.75	5.07	1.85	0.00
39.80	5.07	1.85	0.00
39.85	5.07	1.85	0.00
39.90	5.07	1.85	0.00
39.95	5.07	1.85	0.00
40.00	5.07	1.85	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

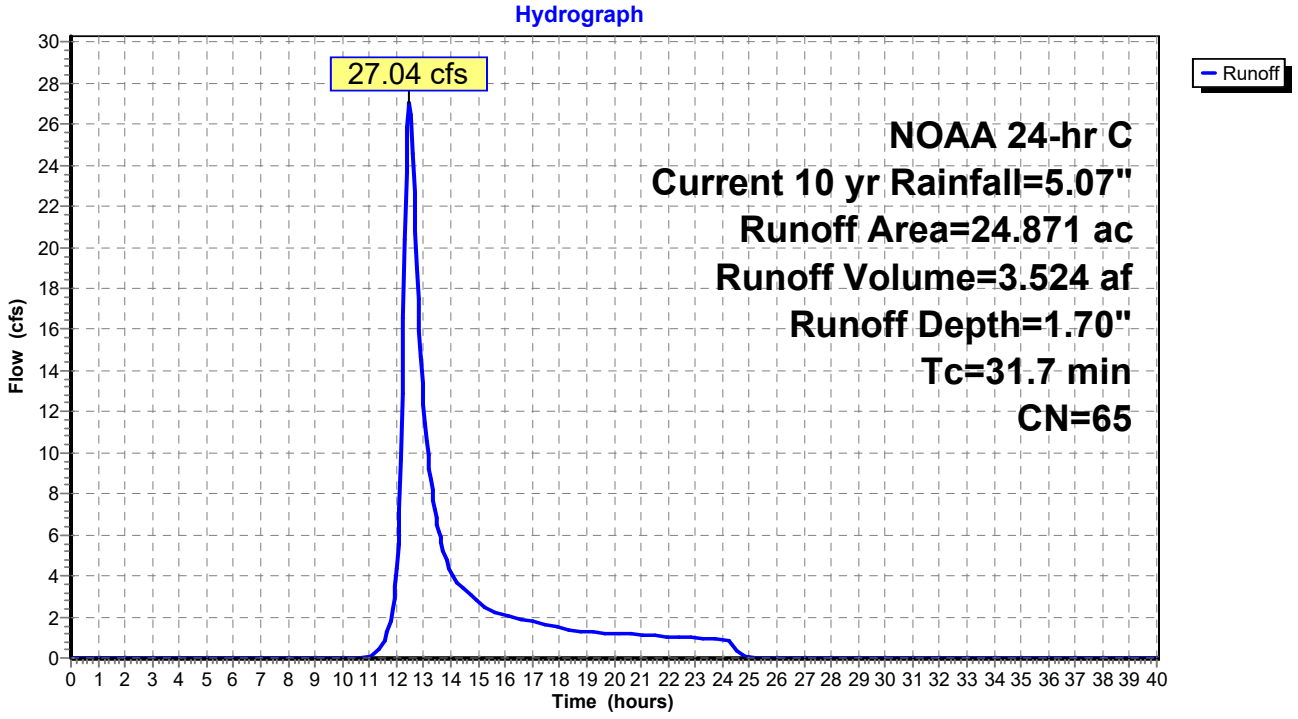
Runoff = 27.04 cfs @ 12.47 hrs, Volume= 3.524 af, Depth= 1.70"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.94	12.37
10.45	1.03	0.00	0.00	13.05	3.87	0.96	11.43
10.50	1.04	0.00	0.00	13.10	3.89	0.97	10.60
10.55	1.06	0.00	0.00	13.15	3.91	0.98	9.88
10.60	1.07	0.00	0.00	13.20	3.93	0.99	9.24
10.65	1.09	0.00	0.00	13.25	3.95	1.00	8.67
10.70	1.10	0.00	0.00	13.30	3.97	1.01	8.15
10.75	1.12	0.00	0.00	13.35	3.98	1.02	7.68
10.80	1.14	0.00	0.00	13.40	4.00	1.03	7.25
10.85	1.16	0.00	0.01	13.45	4.01	1.03	6.86
10.90	1.18	0.00	0.01	13.50	4.03	1.04	6.51
10.95	1.20	0.00	0.02	13.55	4.04	1.05	6.18
11.00	1.22	0.00	0.04	13.60	4.05	1.06	5.88
11.05	1.24	0.00	0.07	13.65	4.06	1.07	5.61
11.10	1.26	0.01	0.10	13.70	4.08	1.07	5.34
11.15	1.29	0.01	0.14	13.75	4.09	1.08	5.09
11.20	1.31	0.01	0.19	13.80	4.10	1.09	4.86
11.25	1.34	0.01	0.25	13.85	4.11	1.09	4.65
11.30	1.37	0.02	0.31	13.90	4.12	1.10	4.46
11.35	1.40	0.02	0.39	13.95	4.13	1.11	4.29
11.40	1.43	0.02	0.48	14.00	4.15	1.11	4.15
11.45	1.47	0.03	0.59	14.05	4.16	1.12	4.03
11.50	1.50	0.03	0.70	14.10	4.17	1.13	3.91
11.55	1.55	0.04	0.84	14.15	4.18	1.13	3.82
11.60	1.60	0.05	0.99	14.20	4.19	1.14	3.73
11.65	1.65	0.06	1.16	14.25	4.20	1.15	3.65
11.70	1.71	0.07	1.38	14.30	4.21	1.15	3.58
11.75	1.78	0.08	1.65	14.35	4.22	1.16	3.51
11.80	1.86	0.10	1.98	14.40	4.23	1.16	3.45
11.85	1.96	0.12	2.39	14.45	4.24	1.17	3.38
11.90	2.06	0.15	2.89	14.50	4.25	1.17	3.32
11.95	2.24	0.21	3.54	14.55	4.26	1.18	3.27
12.00	2.42	0.27	4.39	14.60	4.27	1.19	3.21
12.05	2.71	0.38	5.57	14.65	4.27	1.19	3.15
12.10	3.01	0.51	7.27	14.70	4.28	1.20	3.10
12.15	3.11	0.56	9.68	14.75	4.29	1.20	3.04
12.20	3.21	0.61	12.86	14.80	4.30	1.21	2.99
12.25	3.29	0.64	16.57	14.85	4.31	1.21	2.94
12.30	3.36	0.68	20.37	14.90	4.31	1.22	2.88
12.35	3.42	0.71	23.67	14.95	4.32	1.22	2.83
12.40	3.47	0.74	25.86	15.00	4.33	1.22	2.77
12.45	3.52	0.76	**26.91**	15.05	4.34	1.23	2.72
12.50	3.57	0.79	26.90	15.10	4.34	1.23	2.66
12.55	3.60	0.81	26.01	15.15	4.35	1.24	2.61
12.60	3.64	0.83	24.54	15.20	4.36	1.24	2.56
12.65	3.67	0.84	22.72	15.25	4.36	1.25	2.50
12.70	3.70	0.86	20.81	15.30	4.37	1.25	2.45
12.75	3.73	0.87	19.06	15.35	4.38	1.25	2.40
12.80	3.76	0.89	17.47	15.40	4.39	1.26	2.36
12.85	3.78	0.90	15.99	15.45	4.39	1.26	2.32
12.90	3.81	0.92	14.64	15.50	4.40	1.27	2.28
12.95	3.83	0.93	13.43	15.55	4.41	1.27	2.25

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.28	2.22	18.20	4.68	1.45	1.42
15.65	4.42	1.28	2.20	18.25	4.69	1.45	1.40
15.70	4.42	1.28	2.17	18.30	4.69	1.45	1.39
15.75	4.43	1.29	2.15	18.35	4.70	1.46	1.37
15.80	4.44	1.29	2.13	18.40	4.70	1.46	1.36
15.85	4.44	1.30	2.11	18.45	4.70	1.46	1.35
15.90	4.45	1.30	2.10	18.50	4.71	1.46	1.34
15.95	4.46	1.30	2.08	18.55	4.71	1.47	1.33
16.00	4.46	1.31	2.06	18.60	4.72	1.47	1.32
16.05	4.47	1.31	2.05	18.65	4.72	1.47	1.32
16.10	4.47	1.31	2.03	18.70	4.72	1.47	1.31
16.15	4.48	1.32	2.02	18.75	4.73	1.48	1.30
16.20	4.49	1.32	2.00	18.80	4.73	1.48	1.30
16.25	4.49	1.33	1.99	18.85	4.74	1.48	1.29
16.30	4.50	1.33	1.98	18.90	4.74	1.48	1.29
16.35	4.50	1.33	1.96	18.95	4.74	1.49	1.29
16.40	4.51	1.34	1.95	19.00	4.75	1.49	1.28
16.45	4.52	1.34	1.93	19.05	4.75	1.49	1.28
16.50	4.52	1.34	1.92	19.10	4.76	1.49	1.27
16.55	4.53	1.35	1.90	19.15	4.76	1.50	1.27
16.60	4.53	1.35	1.89	19.20	4.76	1.50	1.27
16.65	4.54	1.35	1.88	19.25	4.77	1.50	1.26
16.70	4.54	1.36	1.86	19.30	4.77	1.50	1.26
16.75	4.55	1.36	1.85	19.35	4.77	1.51	1.26
16.80	4.55	1.36	1.83	19.40	4.78	1.51	1.25
16.85	4.56	1.37	1.82	19.45	4.78	1.51	1.25
16.90	4.57	1.37	1.80	19.50	4.79	1.51	1.24
16.95	4.57	1.37	1.79	19.55	4.79	1.51	1.24
17.00	4.58	1.38	1.77	19.60	4.79	1.52	1.24
17.05	4.58	1.38	1.76	19.65	4.80	1.52	1.23
17.10	4.59	1.38	1.75	19.70	4.80	1.52	1.23
17.15	4.59	1.39	1.73	19.75	4.80	1.52	1.23
17.20	4.60	1.39	1.72	19.80	4.81	1.53	1.22
17.25	4.60	1.39	1.70	19.85	4.81	1.53	1.22
17.30	4.61	1.40	1.69	19.90	4.81	1.53	1.22
17.35	4.61	1.40	1.67	19.95	4.82	1.53	1.21
17.40	4.61	1.40	1.66	20.00	4.82	1.54	1.21
17.45	4.62	1.41	1.64	20.05	4.83	1.54	1.21
17.50	4.62	1.41	1.63	20.10	4.83	1.54	1.20
17.55	4.63	1.41	1.61	20.15	4.83	1.54	1.20
17.60	4.63	1.41	1.60	20.20	4.84	1.55	1.20
17.65	4.64	1.42	1.58	20.25	4.84	1.55	1.19
17.70	4.64	1.42	1.57	20.30	4.84	1.55	1.19
17.75	4.65	1.42	1.55	20.35	4.85	1.55	1.18
17.80	4.65	1.43	1.54	20.40	4.85	1.55	1.18
17.85	4.66	1.43	1.52	20.45	4.85	1.56	1.18
17.90	4.66	1.43	1.51	20.50	4.86	1.56	1.17
17.95	4.66	1.43	1.49	20.55	4.86	1.56	1.17
18.00	4.67	1.44	1.48	20.60	4.86	1.56	1.17
18.05	4.67	1.44	1.46	20.65	4.87	1.57	1.16
18.10	4.68	1.44	1.45	20.70	4.87	1.57	1.16
18.15	4.68	1.44	1.43	20.75	4.87	1.57	1.16

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.57	1.15	23.40	5.04	1.68	0.95
20.85	4.88	1.57	1.15	23.45	5.04	1.68	0.95
20.90	4.88	1.58	1.14	23.50	5.04	1.68	0.95
20.95	4.89	1.58	1.14	23.55	5.04	1.68	0.94
21.00	4.89	1.58	1.14	23.60	5.05	1.69	0.94
21.05	4.89	1.58	1.13	23.65	5.05	1.69	0.93
21.10	4.90	1.59	1.13	23.70	5.05	1.69	0.93
21.15	4.90	1.59	1.13	23.75	5.06	1.69	0.93
21.20	4.90	1.59	1.12	23.80	5.06	1.69	0.92
21.25	4.91	1.59	1.12	23.85	5.06	1.69	0.92
21.30	4.91	1.59	1.11	23.90	5.06	1.70	0.91
21.35	4.91	1.60	1.11	23.95	5.07	1.70	0.91
21.40	4.92	1.60	1.11	24.00	**5.07**	**1.70**	0.91
21.45	4.92	1.60	1.10	24.05	5.07	1.70	0.91
21.50	4.92	1.60	1.10	24.10	5.07	1.70	0.90
21.55	4.93	1.61	1.10	24.15	5.07	1.70	0.89
21.60	4.93	1.61	1.09	24.20	5.07	1.70	0.87
21.65	4.93	1.61	1.09	24.25	5.07	1.70	0.83
21.70	4.94	1.61	1.08	24.30	5.07	1.70	0.76
21.75	4.94	1.61	1.08	24.35	5.07	1.70	0.67
21.80	4.94	1.62	1.08	24.40	5.07	1.70	0.57
21.85	4.95	1.62	1.07	24.45	5.07	1.70	0.48
21.90	4.95	1.62	1.07	24.50	5.07	1.70	0.39
21.95	4.95	1.62	1.07	24.55	5.07	1.70	0.31
22.00	4.96	1.62	1.06	24.60	5.07	1.70	0.24
22.05	4.96	1.63	1.06	24.65	5.07	1.70	0.19
22.10	4.96	1.63	1.05	24.70	5.07	1.70	0.15
22.15	4.96	1.63	1.05	24.75	5.07	1.70	0.12
22.20	4.97	1.63	1.05	24.80	5.07	1.70	0.10
22.25	4.97	1.63	1.04	24.85	5.07	1.70	0.08
22.30	4.97	1.64	1.04	24.90	5.07	1.70	0.06
22.35	4.98	1.64	1.04	24.95	5.07	1.70	0.05
22.40	4.98	1.64	1.03	25.00	5.07	1.70	0.04
22.45	4.98	1.64	1.03	25.05	5.07	1.70	0.03
22.50	4.99	1.64	1.02	25.10	5.07	1.70	0.02
22.55	4.99	1.65	1.02	25.15	5.07	1.70	0.02
22.60	4.99	1.65	1.02	25.20	5.07	1.70	0.01
22.65	4.99	1.65	1.01	25.25	5.07	1.70	0.01
22.70	5.00	1.65	1.01	25.30	5.07	1.70	0.01
22.75	5.00	1.65	1.00	25.35	5.07	1.70	0.01
22.80	5.00	1.66	1.00	25.40	5.07	1.70	0.00
22.85	5.01	1.66	1.00	25.45	5.07	1.70	0.00
22.90	5.01	1.66	0.99	25.50	5.07	1.70	0.00
22.95	5.01	1.66	0.99	25.55	5.07	1.70	0.00
23.00	5.01	1.66	0.99	25.60	5.07	1.70	0.00
23.05	5.02	1.67	0.98	25.65	5.07	1.70	0.00
23.10	5.02	1.67	0.98	25.70	5.07	1.70	0.00
23.15	5.02	1.67	0.97	25.75	5.07	1.70	0.00
23.20	5.03	1.67	0.97	25.80	5.07	1.70	0.00
23.25	5.03	1.67	0.97	25.85	5.07	1.70	0.00
23.30	5.03	1.67	0.96	25.90	5.07	1.70	0.00
23.35	5.03	1.68	0.96	25.95	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.70	0.00	28.60	5.07	1.70	0.00
26.05	5.07	1.70	0.00	28.65	5.07	1.70	0.00
26.10	5.07	1.70	0.00	28.70	5.07	1.70	0.00
26.15	5.07	1.70	0.00	28.75	5.07	1.70	0.00
26.20	5.07	1.70	0.00	28.80	5.07	1.70	0.00
26.25	5.07	1.70	0.00	28.85	5.07	1.70	0.00
26.30	5.07	1.70	0.00	28.90	5.07	1.70	0.00
26.35	5.07	1.70	0.00	28.95	5.07	1.70	0.00
26.40	5.07	1.70	0.00	29.00	5.07	1.70	0.00
26.45	5.07	1.70	0.00	29.05	5.07	1.70	0.00
26.50	5.07	1.70	0.00	29.10	5.07	1.70	0.00
26.55	5.07	1.70	0.00	29.15	5.07	1.70	0.00
26.60	5.07	1.70	0.00	29.20	5.07	1.70	0.00
26.65	5.07	1.70	0.00	29.25	5.07	1.70	0.00
26.70	5.07	1.70	0.00	29.30	5.07	1.70	0.00
26.75	5.07	1.70	0.00	29.35	5.07	1.70	0.00
26.80	5.07	1.70	0.00	29.40	5.07	1.70	0.00
26.85	5.07	1.70	0.00	29.45	5.07	1.70	0.00
26.90	5.07	1.70	0.00	29.50	5.07	1.70	0.00
26.95	5.07	1.70	0.00	29.55	5.07	1.70	0.00
27.00	5.07	1.70	0.00	29.60	5.07	1.70	0.00
27.05	5.07	1.70	0.00	29.65	5.07	1.70	0.00
27.10	5.07	1.70	0.00	29.70	5.07	1.70	0.00
27.15	5.07	1.70	0.00	29.75	5.07	1.70	0.00
27.20	5.07	1.70	0.00	29.80	5.07	1.70	0.00
27.25	5.07	1.70	0.00	29.85	5.07	1.70	0.00
27.30	5.07	1.70	0.00	29.90	5.07	1.70	0.00
27.35	5.07	1.70	0.00	29.95	5.07	1.70	0.00
27.40	5.07	1.70	0.00	30.00	5.07	1.70	0.00
27.45	5.07	1.70	0.00	30.05	5.07	1.70	0.00
27.50	5.07	1.70	0.00	30.10	5.07	1.70	0.00
27.55	5.07	1.70	0.00	30.15	5.07	1.70	0.00
27.60	5.07	1.70	0.00	30.20	5.07	1.70	0.00
27.65	5.07	1.70	0.00	30.25	5.07	1.70	0.00
27.70	5.07	1.70	0.00	30.30	5.07	1.70	0.00
27.75	5.07	1.70	0.00	30.35	5.07	1.70	0.00
27.80	5.07	1.70	0.00	30.40	5.07	1.70	0.00
27.85	5.07	1.70	0.00	30.45	5.07	1.70	0.00
27.90	5.07	1.70	0.00	30.50	5.07	1.70	0.00
27.95	5.07	1.70	0.00	30.55	5.07	1.70	0.00
28.00	5.07	1.70	0.00	30.60	5.07	1.70	0.00
28.05	5.07	1.70	0.00	30.65	5.07	1.70	0.00
28.10	5.07	1.70	0.00	30.70	5.07	1.70	0.00
28.15	5.07	1.70	0.00	30.75	5.07	1.70	0.00
28.20	5.07	1.70	0.00	30.80	5.07	1.70	0.00
28.25	5.07	1.70	0.00	30.85	5.07	1.70	0.00
28.30	5.07	1.70	0.00	30.90	5.07	1.70	0.00
28.35	5.07	1.70	0.00	30.95	5.07	1.70	0.00
28.40	5.07	1.70	0.00	31.00	5.07	1.70	0.00
28.45	5.07	1.70	0.00	31.05	5.07	1.70	0.00
28.50	5.07	1.70	0.00	31.10	5.07	1.70	0.00
28.55	5.07	1.70	0.00	31.15	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.70	0.00	33.80	5.07	1.70	0.00
31.25	5.07	1.70	0.00	33.85	5.07	1.70	0.00
31.30	5.07	1.70	0.00	33.90	5.07	1.70	0.00
31.35	5.07	1.70	0.00	33.95	5.07	1.70	0.00
31.40	5.07	1.70	0.00	34.00	5.07	1.70	0.00
31.45	5.07	1.70	0.00	34.05	5.07	1.70	0.00
31.50	5.07	1.70	0.00	34.10	5.07	1.70	0.00
31.55	5.07	1.70	0.00	34.15	5.07	1.70	0.00
31.60	5.07	1.70	0.00	34.20	5.07	1.70	0.00
31.65	5.07	1.70	0.00	34.25	5.07	1.70	0.00
31.70	5.07	1.70	0.00	34.30	5.07	1.70	0.00
31.75	5.07	1.70	0.00	34.35	5.07	1.70	0.00
31.80	5.07	1.70	0.00	34.40	5.07	1.70	0.00
31.85	5.07	1.70	0.00	34.45	5.07	1.70	0.00
31.90	5.07	1.70	0.00	34.50	5.07	1.70	0.00
31.95	5.07	1.70	0.00	34.55	5.07	1.70	0.00
32.00	5.07	1.70	0.00	34.60	5.07	1.70	0.00
32.05	5.07	1.70	0.00	34.65	5.07	1.70	0.00
32.10	5.07	1.70	0.00	34.70	5.07	1.70	0.00
32.15	5.07	1.70	0.00	34.75	5.07	1.70	0.00
32.20	5.07	1.70	0.00	34.80	5.07	1.70	0.00
32.25	5.07	1.70	0.00	34.85	5.07	1.70	0.00
32.30	5.07	1.70	0.00	34.90	5.07	1.70	0.00
32.35	5.07	1.70	0.00	34.95	5.07	1.70	0.00
32.40	5.07	1.70	0.00	35.00	5.07	1.70	0.00
32.45	5.07	1.70	0.00	35.05	5.07	1.70	0.00
32.50	5.07	1.70	0.00	35.10	5.07	1.70	0.00
32.55	5.07	1.70	0.00	35.15	5.07	1.70	0.00
32.60	5.07	1.70	0.00	35.20	5.07	1.70	0.00
32.65	5.07	1.70	0.00	35.25	5.07	1.70	0.00
32.70	5.07	1.70	0.00	35.30	5.07	1.70	0.00
32.75	5.07	1.70	0.00	35.35	5.07	1.70	0.00
32.80	5.07	1.70	0.00	35.40	5.07	1.70	0.00
32.85	5.07	1.70	0.00	35.45	5.07	1.70	0.00
32.90	5.07	1.70	0.00	35.50	5.07	1.70	0.00
32.95	5.07	1.70	0.00	35.55	5.07	1.70	0.00
33.00	5.07	1.70	0.00	35.60	5.07	1.70	0.00
33.05	5.07	1.70	0.00	35.65	5.07	1.70	0.00
33.10	5.07	1.70	0.00	35.70	5.07	1.70	0.00
33.15	5.07	1.70	0.00	35.75	5.07	1.70	0.00
33.20	5.07	1.70	0.00	35.80	5.07	1.70	0.00
33.25	5.07	1.70	0.00	35.85	5.07	1.70	0.00
33.30	5.07	1.70	0.00	35.90	5.07	1.70	0.00
33.35	5.07	1.70	0.00	35.95	5.07	1.70	0.00
33.40	5.07	1.70	0.00	36.00	5.07	1.70	0.00
33.45	5.07	1.70	0.00	36.05	5.07	1.70	0.00
33.50	5.07	1.70	0.00	36.10	5.07	1.70	0.00
33.55	5.07	1.70	0.00	36.15	5.07	1.70	0.00
33.60	5.07	1.70	0.00	36.20	5.07	1.70	0.00
33.65	5.07	1.70	0.00	36.25	5.07	1.70	0.00
33.70	5.07	1.70	0.00	36.30	5.07	1.70	0.00
33.75	5.07	1.70	0.00	36.35	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.70	0.00
36.45	5.07	1.70	0.00
36.50	5.07	1.70	0.00
36.55	5.07	1.70	0.00
36.60	5.07	1.70	0.00
36.65	5.07	1.70	0.00
36.70	5.07	1.70	0.00
36.75	5.07	1.70	0.00
36.80	5.07	1.70	0.00
36.85	5.07	1.70	0.00
36.90	5.07	1.70	0.00
36.95	5.07	1.70	0.00
37.00	5.07	1.70	0.00
37.05	5.07	1.70	0.00
37.10	5.07	1.70	0.00
37.15	5.07	1.70	0.00
37.20	5.07	1.70	0.00
37.25	5.07	1.70	0.00
37.30	5.07	1.70	0.00
37.35	5.07	1.70	0.00
37.40	5.07	1.70	0.00
37.45	5.07	1.70	0.00
37.50	5.07	1.70	0.00
37.55	5.07	1.70	0.00
37.60	5.07	1.70	0.00
37.65	5.07	1.70	0.00
37.70	5.07	1.70	0.00
37.75	5.07	1.70	0.00
37.80	5.07	1.70	0.00
37.85	5.07	1.70	0.00
37.90	5.07	1.70	0.00
37.95	5.07	1.70	0.00
38.00	5.07	1.70	0.00
38.05	5.07	1.70	0.00
38.10	5.07	1.70	0.00
38.15	5.07	1.70	0.00
38.20	5.07	1.70	0.00
38.25	5.07	1.70	0.00
38.30	5.07	1.70	0.00
38.35	5.07	1.70	0.00
38.40	5.07	1.70	0.00
38.45	5.07	1.70	0.00
38.50	5.07	1.70	0.00
38.55	5.07	1.70	0.00
38.60	5.07	1.70	0.00
38.65	5.07	1.70	0.00
38.70	5.07	1.70	0.00
38.75	5.07	1.70	0.00
38.80	5.07	1.70	0.00
38.85	5.07	1.70	0.00
38.90	5.07	1.70	0.00
38.95	5.07	1.70	0.00
39.00	5.07	1.70	0.00
39.05	5.07	1.70	0.00
39.10	5.07	1.70	0.00
39.15	5.07	1.70	0.00
39.20	5.07	1.70	0.00
39.25	5.07	1.70	0.00
39.30	5.07	1.70	0.00
39.35	5.07	1.70	0.00
39.40	5.07	1.70	0.00
39.45	5.07	1.70	0.00
39.50	5.07	1.70	0.00
39.55	5.07	1.70	0.00
39.60	5.07	1.70	0.00
39.65	5.07	1.70	0.00
39.70	5.07	1.70	0.00
39.75	5.07	1.70	0.00
39.80	5.07	1.70	0.00
39.85	5.07	1.70	0.00
39.90	5.07	1.70	0.00
39.95	5.07	1.70	0.00
40.00	5.07	1.70	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 2.74" for Current 10 yr event
Inflow = 4.74 cfs @ 12.09 hrs, Volume= 0.636 af
Outflow = 0.21 cfs @ 18.20 hrs, Volume= 0.430 af, Atten= 96%, Lag= 366.5 min
Primary = 0.21 cfs @ 18.20 hrs, Volume= 0.430 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.77' @ 18.20 hrs Surf.Area= 11,889 sf Storage= 19,536 cf

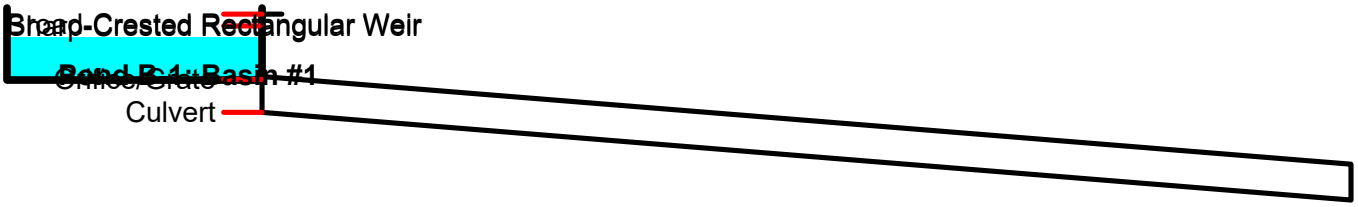
Plug-Flow detention time= 761.3 min calculated for 0.429 af (67% of inflow)
Center-of-Mass det. time= 654.2 min (1,520.3 - 866.1)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

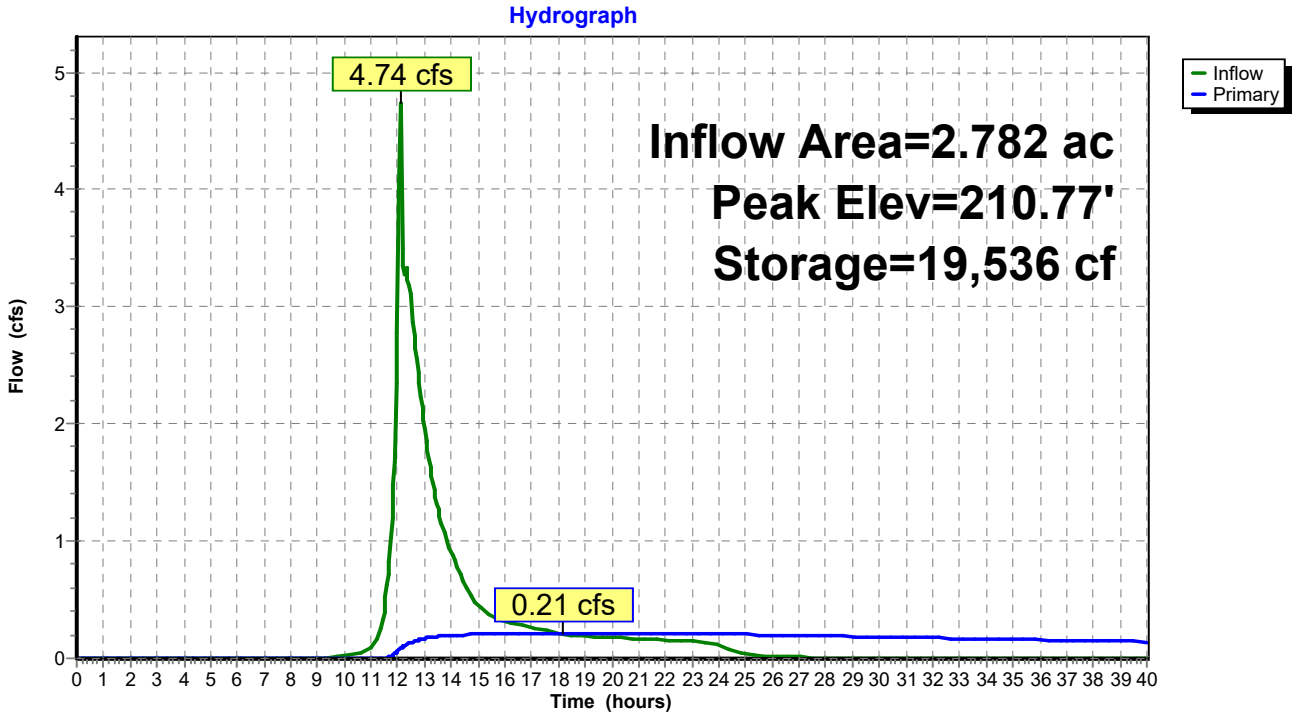
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.21 cfs @ 18.20 hrs HW=210.77' (Free Discharge)
- **1=Culvert** (Passes 0.21 cfs of 12.72 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.18 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	0	209.00	0.00
1.50	0.00	0	209.00	0.00
1.60	0.00	0	209.00	0.00
1.70	0.00	0	209.00	0.00
1.80	0.00	0	209.00	0.00
1.90	0.00	0	209.00	0.00
2.00	0.00	0	209.00	0.00
2.10	0.00	0	209.00	0.00
2.20	0.00	0	209.00	0.00
2.30	0.00	0	209.00	0.00
2.40	0.00	0	209.00	0.00
2.50	0.00	0	209.00	0.00
2.60	0.00	0	209.00	0.00
2.70	0.00	0	209.00	0.00
2.80	0.00	0	209.00	0.00
2.90	0.00	0	209.00	0.00
3.00	0.00	0	209.00	0.00
3.10	0.00	0	209.00	0.00
3.20	0.00	0	209.00	0.00
3.30	0.00	0	209.00	0.00
3.40	0.00	0	209.00	0.00
3.50	0.00	0	209.00	0.00
3.60	0.00	0	209.00	0.00
3.70	0.00	0	209.00	0.00
3.80	0.00	0	209.00	0.00
3.90	0.00	0	209.00	0.00
4.00	0.00	0	209.00	0.00
4.10	0.00	0	209.00	0.00
4.20	0.00	0	209.00	0.00
4.30	0.00	0	209.00	0.00
4.40	0.00	0	209.00	0.00
4.50	0.00	0	209.00	0.00
4.60	0.00	0	209.00	0.00
4.70	0.00	0	209.00	0.00
4.80	0.00	0	209.00	0.00
4.90	0.00	0	209.00	0.00
5.00	0.00	0	209.00	0.00
5.10	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	209.00	0.00
5.30	0.00	0	209.00	0.00
5.40	0.00	0	209.00	0.00
5.50	0.00	0	209.00	0.00
5.60	0.00	0	209.00	0.00
5.70	0.00	0	209.00	0.00
5.80	0.00	0	209.00	0.00
5.90	0.00	0	209.00	0.00
6.00	0.00	0	209.00	0.00
6.10	0.00	0	209.00	0.00
6.20	0.00	0	209.00	0.00
6.30	0.00	0	209.00	0.00
6.40	0.00	0	209.00	0.00
6.50	0.00	0	209.00	0.00
6.60	0.00	0	209.00	0.00
6.70	0.00	0	209.00	0.00
6.80	0.00	0	209.00	0.00
6.90	0.00	0	209.00	0.00
7.00	0.00	0	209.00	0.00
7.10	0.00	0	209.00	0.00
7.20	0.00	0	209.00	0.00
7.30	0.00	0	209.00	0.00
7.40	0.00	0	209.00	0.00
7.50	0.00	0	209.00	0.00
7.60	0.00	0	209.00	0.00
7.70	0.00	0	209.00	0.00
7.80	0.00	0	209.00	0.00
7.90	0.00	0	209.00	0.00
8.00	0.00	0	209.00	0.00
8.10	0.00	0	209.00	0.00
8.20	0.00	0	209.00	0.00
8.30	0.00	0	209.00	0.00
8.40	0.00	0	209.00	0.00
8.50	0.00	0	209.00	0.00
8.60	0.00	0	209.00	0.00
8.70	0.00	0	209.00	0.00
8.80	0.00	0	209.00	0.00
8.90	0.00	0	209.00	0.00
9.00	0.00	1	209.00	0.00
9.10	0.00	2	209.00	0.00
9.20	0.00	4	209.00	0.00
9.30	0.01	6	209.00	0.00
9.40	0.01	8	209.00	0.00
9.50	0.01	12	209.00	0.00
9.60	0.01	16	209.00	0.00
9.70	0.01	20	209.00	0.00
9.80	0.02	26	209.00	0.00
9.90	0.02	32	209.00	0.00
10.00	0.02	40	209.00	0.00
10.10	0.02	48	209.00	0.00
10.20	0.03	58	209.01	0.00
10.30	0.03	68	209.01	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.03	80	209.01	0.00
10.50	0.04	93	209.01	0.00
10.60	0.05	109	209.01	0.00
10.70	0.05	127	209.01	0.00
10.80	0.06	148	209.01	0.00
10.90	0.07	173	209.02	0.00
11.00	0.08	202	209.02	0.00
11.10	0.10	236	209.02	0.00
11.20	0.13	278	209.03	0.00
11.30	0.19	334	209.03	0.00
11.40	0.27	417	209.04	0.00
11.50	0.39	536	209.05	0.00
11.60	0.63	720	209.07	0.01
11.70	0.83	979	209.10	0.01
11.80	1.20	1,342	209.13	0.02
11.90	1.67	1,857	209.18	0.04
12.00	2.78	2,661	209.26	0.06
12.10	**4.72**	4,041	209.39	0.08
12.20	3.35	5,363	209.51	0.10
12.30	3.34	6,515	209.62	0.12
12.40	3.20	7,641	209.73	0.13
12.50	3.10	8,730	209.83	0.14
12.60	2.75	9,723	209.92	0.15
12.70	2.55	10,622	210.00	0.15
12.80	2.34	11,445	210.07	0.16
12.90	2.14	12,191	210.14	0.17
13.00	1.95	12,865	210.20	0.17
13.10	1.78	13,472	210.25	0.17
13.20	1.63	14,022	210.30	0.18
13.30	1.50	14,520	210.34	0.18
13.40	1.38	14,972	210.38	0.18
13.50	1.27	15,381	210.42	0.19
13.60	1.17	15,752	210.45	0.19
13.70	1.09	16,090	210.48	0.19
13.80	1.02	16,401	210.50	0.19
13.90	0.96	16,687	210.53	0.19
14.00	0.90	16,950	210.55	0.20
14.10	0.85	17,194	210.57	0.20
14.20	0.80	17,420	210.59	0.20
14.30	0.73	17,624	210.61	0.20
14.40	0.67	17,804	210.62	0.20
14.50	0.62	17,963	210.64	0.20
14.60	0.58	18,104	210.65	0.20
14.70	0.54	18,232	210.66	0.20
14.80	0.51	18,346	210.67	0.20
14.90	0.47	18,448	210.68	0.20
15.00	0.45	18,540	210.69	0.21
15.10	0.43	18,623	210.69	0.21
15.20	0.41	18,699	210.70	0.21
15.30	0.39	18,768	210.71	0.21
15.40	0.38	18,832	210.71	0.21
15.50	0.36	18,891	210.72	0.21

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.35	18,945	210.72	0.21
15.70	0.34	18,996	210.73	0.21
15.80	0.33	19,043	210.73	0.21
15.90	0.33	19,087	210.73	0.21
16.00	0.32	19,129	210.74	0.21
16.10	0.31	19,167	210.74	0.21
16.20	0.31	19,203	210.74	0.21
16.30	0.30	19,237	210.75	0.21
16.40	0.29	19,269	210.75	0.21
16.50	0.29	19,298	210.75	0.21
16.60	0.28	19,326	210.75	0.21
16.70	0.28	19,352	210.76	0.21
16.80	0.27	19,377	210.76	0.21
16.90	0.27	19,399	210.76	0.21
17.00	0.27	19,420	210.76	0.21
17.10	0.26	19,439	210.76	0.21
17.20	0.26	19,456	210.76	0.21
17.30	0.25	19,472	210.77	0.21
17.40	0.25	19,486	210.77	0.21
17.50	0.24	19,498	210.77	0.21
17.60	0.24	19,508	210.77	0.21
17.70	0.23	19,517	210.77	0.21
17.80	0.23	19,524	210.77	0.21
17.90	0.22	19,530	210.77	0.21
18.00	0.22	19,533	210.77	0.21
18.10	0.21	19,535	210.77	0.21
18.20	0.21	**19,536**	**210.77**	**0.21**
18.30	0.21	19,535	210.77	0.21
18.40	0.20	19,534	210.77	0.21
18.50	0.20	19,531	210.77	0.21
18.60	0.20	19,527	210.77	0.21
18.70	0.20	19,523	210.77	0.21
18.80	0.19	19,517	210.77	0.21
18.90	0.19	19,511	210.77	0.21
19.00	0.19	19,505	210.77	0.21
19.10	0.19	19,497	210.77	0.21
19.20	0.19	19,489	210.77	0.21
19.30	0.19	19,481	210.77	0.21
19.40	0.18	19,472	210.77	0.21
19.50	0.18	19,462	210.76	0.21
19.60	0.18	19,452	210.76	0.21
19.70	0.18	19,442	210.76	0.21
19.80	0.18	19,431	210.76	0.21
19.90	0.18	19,419	210.76	0.21
20.00	0.18	19,408	210.76	0.21
20.10	0.18	19,395	210.76	0.21
20.20	0.17	19,383	210.76	0.21
20.30	0.17	19,369	210.76	0.21
20.40	0.17	19,356	210.76	0.21
20.50	0.17	19,342	210.75	0.21
20.60	0.17	19,328	210.75	0.21
20.70	0.17	19,313	210.75	0.21

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	19,298	210.75	0.21
20.90	0.17	19,283	210.75	0.21
21.00	0.16	19,267	210.75	0.21
21.10	0.16	19,250	210.75	0.21
21.20	0.16	19,234	210.75	0.21
21.30	0.16	19,217	210.74	0.21
21.40	0.16	19,199	210.74	0.21
21.50	0.16	19,182	210.74	0.21
21.60	0.16	19,163	210.74	0.21
21.70	0.16	19,145	210.74	0.21
21.80	0.16	19,126	210.74	0.21
21.90	0.15	19,107	210.73	0.21
22.00	0.15	19,087	210.73	0.21
22.10	0.15	19,067	210.73	0.21
22.20	0.15	19,046	210.73	0.21
22.30	0.15	19,026	210.73	0.21
22.40	0.15	19,005	210.73	0.21
22.50	0.15	18,983	210.72	0.21
22.60	0.15	18,961	210.72	0.21
22.70	0.15	18,939	210.72	0.21
22.80	0.14	18,917	210.72	0.21
22.90	0.14	18,894	210.72	0.21
23.00	0.14	18,871	210.72	0.21
23.10	0.14	18,848	210.71	0.21
23.20	0.14	18,824	210.71	0.21
23.30	0.14	18,800	210.71	0.21
23.40	0.14	18,776	210.71	0.21
23.50	0.14	18,751	210.70	0.21
23.60	0.14	18,726	210.70	0.21
23.70	0.14	18,700	210.70	0.21
23.80	0.13	18,674	210.70	0.21
23.90	0.13	18,648	210.70	0.21
24.00	0.14	18,624	210.69	0.21
24.10	0.09	18,589	210.69	0.21
24.20	0.09	18,547	210.69	0.21
24.30	0.08	18,503	210.68	0.20
24.40	0.07	18,456	210.68	0.20
24.50	0.06	18,406	210.68	0.20
24.60	0.06	18,354	210.67	0.20
24.70	0.05	18,299	210.67	0.20
24.80	0.04	18,243	210.66	0.20
24.90	0.04	18,184	210.66	0.20
25.00	0.03	18,124	210.65	0.20
25.10	0.03	18,063	210.65	0.20
25.20	0.03	18,000	210.64	0.20
25.30	0.03	17,937	210.64	0.20
25.40	0.02	17,873	210.63	0.20
25.50	0.02	17,809	210.62	0.20
25.60	0.02	17,744	210.62	0.20
25.70	0.02	17,679	210.61	0.20
25.80	0.02	17,614	210.61	0.20
25.90	0.02	17,549	210.60	0.20

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.02	17,483	210.60	0.20
26.10	0.02	17,417	210.59	0.20
26.20	0.01	17,351	210.59	0.20
26.30	0.01	17,285	210.58	0.20
26.40	0.01	17,218	210.57	0.20
26.50	0.01	17,152	210.57	0.20
26.60	0.01	17,085	210.56	0.20
26.70	0.01	17,018	210.56	0.20
26.80	0.01	16,951	210.55	0.20
26.90	0.01	16,884	210.55	0.20
27.00	0.01	16,817	210.54	0.20
27.10	0.01	16,750	210.53	0.19
27.20	0.01	16,682	210.53	0.19
27.30	0.01	16,615	210.52	0.19
27.40	0.01	16,548	210.52	0.19
27.50	0.01	16,481	210.51	0.19
27.60	0.01	16,413	210.51	0.19
27.70	0.01	16,346	210.50	0.19
27.80	0.01	16,279	210.49	0.19
27.90	0.01	16,212	210.49	0.19
28.00	0.00	16,144	210.48	0.19
28.10	0.00	16,077	210.48	0.19
28.20	0.00	16,010	210.47	0.19
28.30	0.00	15,943	210.47	0.19
28.40	0.00	15,876	210.46	0.19
28.50	0.00	15,809	210.45	0.19
28.60	0.00	15,742	210.45	0.19
28.70	0.00	15,676	210.44	0.19
28.80	0.00	15,609	210.44	0.19
28.90	0.00	15,542	210.43	0.19
29.00	0.00	15,476	210.42	0.19
29.10	0.00	15,409	210.42	0.19
29.20	0.00	15,343	210.41	0.19
29.30	0.00	15,277	210.41	0.19
29.40	0.00	15,211	210.40	0.19
29.50	0.00	15,145	210.40	0.19
29.60	0.00	15,079	210.39	0.18
29.70	0.00	15,013	210.38	0.18
29.80	0.00	14,947	210.38	0.18
29.90	0.00	14,882	210.37	0.18
30.00	0.00	14,816	210.37	0.18
30.10	0.00	14,751	210.36	0.18
30.20	0.00	14,686	210.36	0.18
30.30	0.00	14,621	210.35	0.18
30.40	0.00	14,556	210.34	0.18
30.50	0.00	14,491	210.34	0.18
30.60	0.00	14,426	210.33	0.18
30.70	0.00	14,361	210.33	0.18
30.80	0.00	14,297	210.32	0.18
30.90	0.00	14,233	210.32	0.18
31.00	0.00	14,169	210.31	0.18
31.10	0.00	14,105	210.31	0.18

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	14,041	210.30	0.18
31.30	0.00	13,977	210.29	0.18
31.40	0.00	13,913	210.29	0.18
31.50	0.00	13,850	210.28	0.18
31.60	0.00	13,786	210.28	0.18
31.70	0.00	13,723	210.27	0.18
31.80	0.00	13,660	210.27	0.18
31.90	0.00	13,597	210.26	0.17
32.00	0.00	13,534	210.26	0.17
32.10	0.00	13,472	210.25	0.17
32.20	0.00	13,409	210.24	0.17
32.30	0.00	13,347	210.24	0.17
32.40	0.00	13,285	210.23	0.17
32.50	0.00	13,223	210.23	0.17
32.60	0.00	13,161	210.22	0.17
32.70	0.00	13,099	210.22	0.17
32.80	0.00	13,038	210.21	0.17
32.90	0.00	12,976	210.21	0.17
33.00	0.00	12,915	210.20	0.17
33.10	0.00	12,854	210.20	0.17
33.20	0.00	12,793	210.19	0.17
33.30	0.00	12,732	210.18	0.17
33.40	0.00	12,671	210.18	0.17
33.50	0.00	12,610	210.17	0.17
33.60	0.00	12,550	210.17	0.17
33.70	0.00	12,490	210.16	0.17
33.80	0.00	12,430	210.16	0.17
33.90	0.00	12,370	210.15	0.17
34.00	0.00	12,310	210.15	0.17
34.10	0.00	12,250	210.14	0.17
34.20	0.00	12,191	210.14	0.17
34.30	0.00	12,131	210.13	0.16
34.40	0.00	12,072	210.13	0.16
34.50	0.00	12,013	210.12	0.16
34.60	0.00	11,954	210.12	0.16
34.70	0.00	11,896	210.11	0.16
34.80	0.00	11,837	210.11	0.16
34.90	0.00	11,779	210.10	0.16
35.00	0.00	11,720	210.09	0.16
35.10	0.00	11,662	210.09	0.16
35.20	0.00	11,604	210.08	0.16
35.30	0.00	11,546	210.08	0.16
35.40	0.00	11,489	210.07	0.16
35.50	0.00	11,431	210.07	0.16
35.60	0.00	11,374	210.06	0.16
35.70	0.00	11,317	210.06	0.16
35.80	0.00	11,260	210.05	0.16
35.90	0.00	11,203	210.05	0.16
36.00	0.00	11,146	210.04	0.16
36.10	0.00	11,090	210.04	0.16
36.20	0.00	11,033	210.03	0.16
36.30	0.00	10,977	210.03	0.16

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,921	210.02	0.16
36.50	0.00	10,865	210.02	0.16
36.60	0.00	10,809	210.01	0.15
36.70	0.00	10,753	210.01	0.15
36.80	0.00	10,698	210.00	0.15
36.90	0.00	10,643	210.00	0.15
37.00	0.00	10,587	209.99	0.15
37.10	0.00	10,532	209.99	0.15
37.20	0.00	10,478	209.98	0.15
37.30	0.00	10,423	209.98	0.15
37.40	0.00	10,368	209.97	0.15
37.50	0.00	10,314	209.97	0.15
37.60	0.00	10,260	209.96	0.15
37.70	0.00	10,206	209.96	0.15
37.80	0.00	10,152	209.95	0.15
37.90	0.00	10,098	209.95	0.15
38.00	0.00	10,044	209.94	0.15
38.10	0.00	9,991	209.94	0.15
38.20	0.00	9,938	209.93	0.15
38.30	0.00	9,885	209.93	0.15
38.40	0.00	9,832	209.93	0.15
38.50	0.00	9,779	209.92	0.15
38.60	0.00	9,726	209.92	0.15
38.70	0.00	9,674	209.91	0.15
38.80	0.00	9,621	209.91	0.15
38.90	0.00	9,569	209.90	0.14
39.00	0.00	9,517	209.90	0.14
39.10	0.00	9,465	209.89	0.14
39.20	0.00	9,414	209.89	0.14
39.30	0.00	9,362	209.88	0.14
39.40	0.00	9,311	209.88	0.14
39.50	0.00	9,259	209.87	0.14
39.60	0.00	9,208	209.87	0.14
39.70	0.00	9,157	209.86	0.14
39.80	0.00	9,107	209.86	0.14
39.90	0.00	9,056	209.86	0.14
40.00	0.00	9,006	209.85	0.14

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 3.79" for Current 10 yr event
Inflow = 8.19 cfs @ 12.08 hrs, Volume= 0.528 af
Outflow = 0.20 cfs @ 15.67 hrs, Volume= 0.367 af, Atten= 98%, Lag= 215.4 min
Primary = 0.20 cfs @ 15.67 hrs, Volume= 0.367 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.98' @ 15.67 hrs Surf.Area= 8,477 sf Storage= 16,818 cf

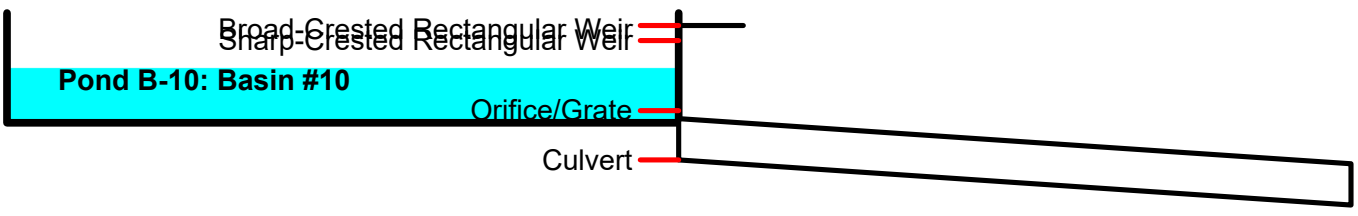
Plug-Flow detention time= 784.4 min calculated for 0.366 af (69% of inflow)
Center-of-Mass det. time= 684.5 min (1,455.0 - 770.5)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

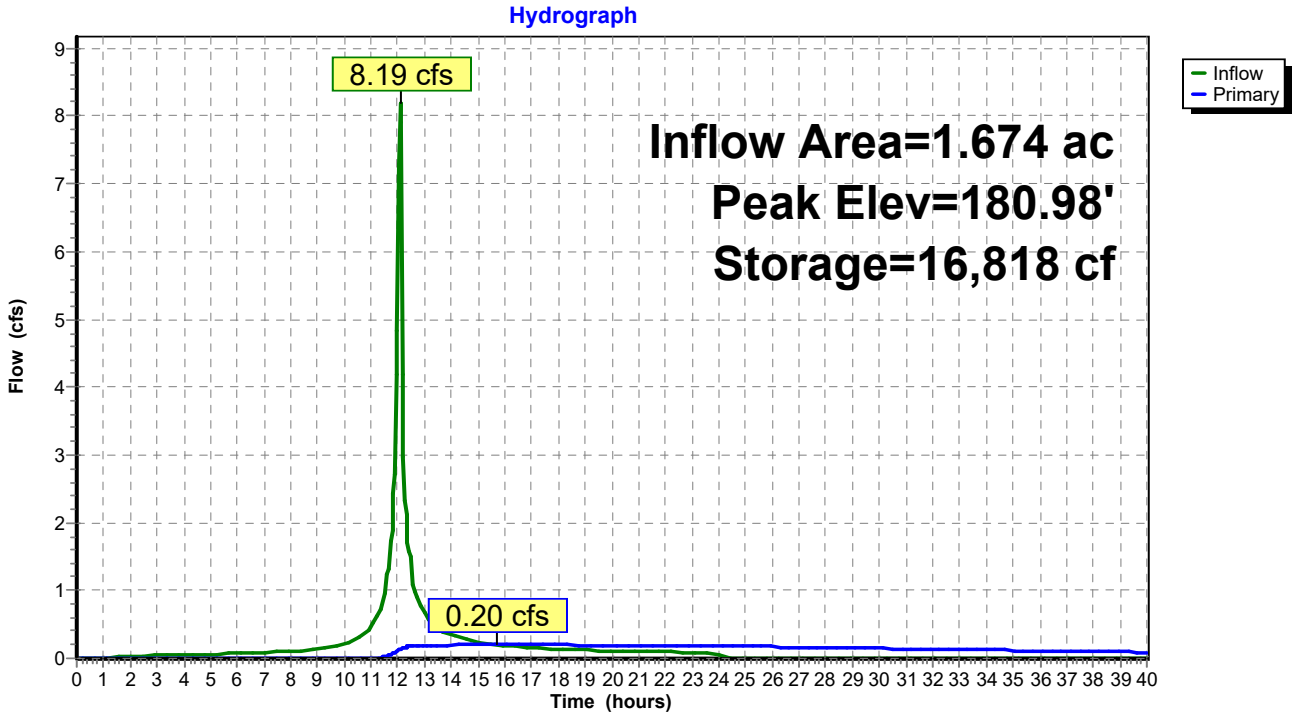
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.20 cfs @ 15.67 hrs HW=180.98' (Free Discharge)
- **1=Culvert** (Passes 0.20 cfs of 13.68 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.78 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	1	179.00	0.00
1.00	0.01	3	179.00	0.00
1.10	0.01	5	179.00	0.00
1.20	0.01	9	179.00	0.00
1.30	0.01	13	179.00	0.00
1.40	0.02	19	179.00	0.00
1.50	0.02	25	179.00	0.00
1.60	0.02	31	179.00	0.00
1.70	0.02	39	179.00	0.00
1.80	0.02	47	179.01	0.00
1.90	0.03	55	179.01	0.00
2.00	0.03	65	179.01	0.00
2.10	0.03	75	179.01	0.00
2.20	0.03	85	179.01	0.00
2.30	0.03	96	179.01	0.00
2.40	0.03	108	179.01	0.00
2.50	0.03	120	179.01	0.00
2.60	0.04	132	179.02	0.00
2.70	0.04	145	179.02	0.00
2.80	0.04	159	179.02	0.00
2.90	0.04	173	179.02	0.00
3.00	0.04	187	179.02	0.00
3.10	0.04	202	179.02	0.00
3.20	0.04	218	179.03	0.00
3.30	0.04	233	179.03	0.00
3.40	0.05	249	179.03	0.00
3.50	0.05	266	179.03	0.00
3.60	0.05	283	179.03	0.00
3.70	0.05	300	179.04	0.00
3.80	0.05	318	179.04	0.00
3.90	0.05	336	179.04	0.00
4.00	0.05	354	179.04	0.00
4.10	0.05	373	179.04	0.00
4.20	0.05	392	179.05	0.00
4.30	0.05	411	179.05	0.00
4.40	0.06	431	179.05	0.00
4.50	0.06	451	179.05	0.00
4.60	0.06	471	179.06	0.00
4.70	0.06	492	179.06	0.00
4.80	0.06	513	179.06	0.00
4.90	0.06	534	179.06	0.00
5.00	0.06	556	179.07	0.00
5.10	0.06	577	179.07	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	600	179.07	0.00
5.30	0.06	622	179.07	0.00
5.40	0.06	645	179.08	0.00
5.50	0.06	668	179.08	0.00
5.60	0.06	691	179.08	0.00
5.70	0.07	714	179.08	0.00
5.80	0.07	738	179.09	0.00
5.90	0.07	762	179.09	0.00
6.00	0.07	786	179.09	0.00
6.10	0.07	811	179.10	0.00
6.20	0.07	837	179.10	0.00
6.30	0.07	863	179.10	0.00
6.40	0.08	890	179.11	0.00
6.50	0.08	918	179.11	0.00
6.60	0.08	947	179.11	0.00
6.70	0.08	976	179.12	0.00
6.80	0.08	1,006	179.12	0.00
6.90	0.09	1,036	179.12	0.00
7.00	0.09	1,068	179.13	0.00
7.10	0.09	1,100	179.13	0.00
7.20	0.09	1,133	179.13	0.00
7.30	0.09	1,166	179.14	0.00
7.40	0.10	1,201	179.14	0.00
7.50	0.10	1,236	179.15	0.00
7.60	0.10	1,271	179.15	0.00
7.70	0.10	1,308	179.15	0.00
7.80	0.10	1,345	179.16	0.00
7.90	0.11	1,383	179.16	0.00
8.00	0.11	1,422	179.17	0.00
8.10	0.11	1,462	179.17	0.00
8.20	0.11	1,502	179.18	0.00
8.30	0.11	1,543	179.18	0.00
8.40	0.12	1,584	179.19	0.00
8.50	0.12	1,627	179.19	0.00
8.60	0.12	1,670	179.20	0.00
8.70	0.12	1,714	179.20	0.00
8.80	0.12	1,759	179.21	0.00
8.90	0.13	1,804	179.21	0.00
9.00	0.13	1,851	179.22	0.00
9.10	0.14	1,900	179.22	0.00
9.20	0.15	1,952	179.23	0.00
9.30	0.16	2,007	179.24	0.00
9.40	0.16	2,065	179.24	0.00
9.50	0.17	2,126	179.25	0.00
9.60	0.18	2,191	179.26	0.00
9.70	0.19	2,258	179.27	0.00
9.80	0.20	2,329	179.27	0.00
9.90	0.21	2,403	179.28	0.00
10.00	0.22	2,481	179.29	0.00
10.10	0.23	2,562	179.30	0.00
10.20	0.24	2,646	179.31	0.00
10.30	0.25	2,734	179.32	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	2,826	179.33	0.00
10.50	0.27	2,921	179.34	0.00
10.60	0.30	3,026	179.36	0.00
10.70	0.34	3,143	179.37	0.00
10.80	0.37	3,272	179.39	0.00
10.90	0.41	3,415	179.40	0.00
11.00	0.45	3,570	179.42	0.00
11.10	0.51	3,745	179.44	0.00
11.20	0.58	3,945	179.47	0.00
11.30	0.65	4,168	179.49	0.01
11.40	0.72	4,415	179.52	0.01
11.50	0.80	4,684	179.55	0.02
11.60	1.23	5,060	179.60	0.04
11.70	1.34	5,508	179.65	0.05
11.80	1.88	6,087	179.72	0.07
11.90	2.72	6,913	179.82	0.09
12.00	4.83	8,312	179.98	0.11
12.10	**7.91**	10,728	180.27	0.14
12.20	2.98	12,408	180.46	0.16
12.30	2.12	13,227	180.56	0.17
12.40	1.57	13,805	180.63	0.17
12.50	1.47	14,289	180.69	0.18
12.60	0.98	14,644	180.73	0.18
12.70	0.91	14,915	180.76	0.18
12.80	0.83	15,160	180.79	0.18
12.90	0.75	15,375	180.81	0.18
13.00	0.67	15,562	180.84	0.19
13.10	0.60	15,719	180.85	0.19
13.20	0.55	15,857	180.87	0.19
13.30	0.51	15,978	180.88	0.19
13.40	0.47	16,083	180.90	0.19
13.50	0.42	16,173	180.91	0.19
13.60	0.38	16,248	180.92	0.19
13.70	0.37	16,314	180.92	0.19
13.80	0.36	16,375	180.93	0.19
13.90	0.35	16,433	180.94	0.19
14.00	0.34	16,486	180.94	0.19
14.10	0.33	16,535	180.95	0.19
14.20	0.32	16,581	180.96	0.20
14.30	0.30	16,621	180.96	0.20
14.40	0.29	16,658	180.97	0.20
14.50	0.28	16,691	180.97	0.20
14.60	0.27	16,719	180.97	0.20
14.70	0.26	16,744	180.98	0.20
14.80	0.25	16,764	180.98	0.20
14.90	0.24	16,780	180.98	0.20
15.00	0.23	16,792	180.98	0.20
15.10	0.22	16,800	180.98	0.20
15.20	0.21	16,806	180.98	0.20
15.30	0.21	16,810	180.98	0.20
15.40	0.21	16,814	180.98	0.20
15.50	0.20	16,816	180.98	0.20

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.20	**16,818**	**180.98**	**0.20**
15.70	0.20	**16,818**	**180.98**	**0.20**
15.80	0.19	16,817	180.98	0.20
15.90	0.19	16,815	180.98	0.20
16.00	0.19	16,812	180.98	0.20
16.10	0.19	16,808	180.98	0.20
16.20	0.18	16,803	180.98	0.20
16.30	0.18	16,797	180.98	0.20
16.40	0.18	16,790	180.98	0.20
16.50	0.17	16,782	180.98	0.20
16.60	0.17	16,773	180.98	0.20
16.70	0.17	16,762	180.98	0.20
16.80	0.16	16,751	180.98	0.20
16.90	0.16	16,739	180.97	0.20
17.00	0.16	16,725	180.97	0.20
17.10	0.15	16,711	180.97	0.20
17.20	0.15	16,695	180.97	0.20
17.30	0.15	16,679	180.97	0.20
17.40	0.15	16,661	180.97	0.20
17.50	0.14	16,642	180.96	0.20
17.60	0.14	16,623	180.96	0.20
17.70	0.14	16,602	180.96	0.20
17.80	0.13	16,580	180.96	0.20
17.90	0.13	16,558	180.95	0.19
18.00	0.13	16,534	180.95	0.19
18.10	0.12	16,509	180.95	0.19
18.20	0.12	16,484	180.94	0.19
18.30	0.12	16,458	180.94	0.19
18.40	0.12	16,432	180.94	0.19
18.50	0.12	16,406	180.94	0.19
18.60	0.12	16,380	180.93	0.19
18.70	0.12	16,354	180.93	0.19
18.80	0.12	16,328	180.93	0.19
18.90	0.12	16,301	180.92	0.19
19.00	0.12	16,274	180.92	0.19
19.10	0.12	16,247	180.92	0.19
19.20	0.12	16,220	180.91	0.19
19.30	0.12	16,192	180.91	0.19
19.40	0.11	16,165	180.91	0.19
19.50	0.11	16,137	180.90	0.19
19.60	0.11	16,109	180.90	0.19
19.70	0.11	16,081	180.90	0.19
19.80	0.11	16,053	180.89	0.19
19.90	0.11	16,024	180.89	0.19
20.00	0.11	15,995	180.89	0.19
20.10	0.11	15,967	180.88	0.19
20.20	0.11	15,937	180.88	0.19
20.30	0.11	15,908	180.88	0.19
20.40	0.11	15,879	180.87	0.19
20.50	0.11	15,849	180.87	0.19
20.60	0.11	15,819	180.87	0.19
20.70	0.10	15,789	180.86	0.19

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	15,759	180.86	0.19
20.90	0.10	15,729	180.86	0.19
21.00	0.10	15,698	180.85	0.19
21.10	0.10	15,668	180.85	0.19
21.20	0.10	15,637	180.84	0.19
21.30	0.10	15,606	180.84	0.19
21.40	0.10	15,575	180.84	0.19
21.50	0.10	15,543	180.83	0.19
21.60	0.10	15,511	180.83	0.19
21.70	0.10	15,480	180.83	0.19
21.80	0.10	15,448	180.82	0.19
21.90	0.10	15,416	180.82	0.19
22.00	0.10	15,383	180.81	0.19
22.10	0.09	15,351	180.81	0.18
22.20	0.09	15,318	180.81	0.18
22.30	0.09	15,286	180.80	0.18
22.40	0.09	15,253	180.80	0.18
22.50	0.09	15,219	180.80	0.18
22.60	0.09	15,186	180.79	0.18
22.70	0.09	15,153	180.79	0.18
22.80	0.09	15,119	180.78	0.18
22.90	0.09	15,085	180.78	0.18
23.00	0.09	15,051	180.78	0.18
23.10	0.09	15,017	180.77	0.18
23.20	0.09	14,983	180.77	0.18
23.30	0.09	14,948	180.76	0.18
23.40	0.09	14,914	180.76	0.18
23.50	0.08	14,879	180.76	0.18
23.60	0.08	14,844	180.75	0.18
23.70	0.08	14,809	180.75	0.18
23.80	0.08	14,773	180.74	0.18
23.90	0.08	14,738	180.74	0.18
24.00	0.10	14,706	180.73	0.18
24.10	0.00	14,655	180.73	0.18
24.20	0.00	14,591	180.72	0.18
24.30	0.00	14,527	180.71	0.18
24.40	0.00	14,463	180.71	0.18
24.50	0.00	14,400	180.70	0.18
24.60	0.00	14,336	180.69	0.18
24.70	0.00	14,273	180.68	0.18
24.80	0.00	14,210	180.68	0.17
24.90	0.00	14,148	180.67	0.17
25.00	0.00	14,085	180.66	0.17
25.10	0.00	14,023	180.65	0.17
25.20	0.00	13,960	180.65	0.17
25.30	0.00	13,898	180.64	0.17
25.40	0.00	13,837	180.63	0.17
25.50	0.00	13,775	180.63	0.17
25.60	0.00	13,714	180.62	0.17
25.70	0.00	13,653	180.61	0.17
25.80	0.00	13,592	180.60	0.17
25.90	0.00	13,531	180.60	0.17

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,471	180.59	0.17
26.10	0.00	13,410	180.58	0.17
26.20	0.00	13,350	180.57	0.17
26.30	0.00	13,290	180.57	0.17
26.40	0.00	13,231	180.56	0.17
26.50	0.00	13,171	180.55	0.16
26.60	0.00	13,112	180.55	0.16
26.70	0.00	13,053	180.54	0.16
26.80	0.00	12,994	180.53	0.16
26.90	0.00	12,935	180.53	0.16
27.00	0.00	12,877	180.52	0.16
27.10	0.00	12,819	180.51	0.16
27.20	0.00	12,761	180.51	0.16
27.30	0.00	12,703	180.50	0.16
27.40	0.00	12,645	180.49	0.16
27.50	0.00	12,588	180.48	0.16
27.60	0.00	12,531	180.48	0.16
27.70	0.00	12,474	180.47	0.16
27.80	0.00	12,417	180.46	0.16
27.90	0.00	12,360	180.46	0.16
28.00	0.00	12,304	180.45	0.16
28.10	0.00	12,248	180.44	0.16
28.20	0.00	12,192	180.44	0.16
28.30	0.00	12,136	180.43	0.15
28.40	0.00	12,080	180.43	0.15
28.50	0.00	12,025	180.42	0.15
28.60	0.00	11,970	180.41	0.15
28.70	0.00	11,915	180.41	0.15
28.80	0.00	11,860	180.40	0.15
28.90	0.00	11,806	180.39	0.15
29.00	0.00	11,751	180.39	0.15
29.10	0.00	11,697	180.38	0.15
29.20	0.00	11,643	180.37	0.15
29.30	0.00	11,590	180.37	0.15
29.40	0.00	11,536	180.36	0.15
29.50	0.00	11,483	180.35	0.15
29.60	0.00	11,430	180.35	0.15
29.70	0.00	11,377	180.34	0.15
29.80	0.00	11,324	180.34	0.15
29.90	0.00	11,272	180.33	0.15
30.00	0.00	11,219	180.32	0.14
30.10	0.00	11,167	180.32	0.14
30.20	0.00	11,116	180.31	0.14
30.30	0.00	11,064	180.31	0.14
30.40	0.00	11,012	180.30	0.14
30.50	0.00	10,961	180.29	0.14
30.60	0.00	10,910	180.29	0.14
30.70	0.00	10,859	180.28	0.14
30.80	0.00	10,809	180.28	0.14
30.90	0.00	10,758	180.27	0.14
31.00	0.00	10,708	180.26	0.14
31.10	0.00	10,658	180.26	0.14

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,608	180.25	0.14
31.30	0.00	10,559	180.25	0.14
31.40	0.00	10,509	180.24	0.14
31.50	0.00	10,460	180.23	0.14
31.60	0.00	10,411	180.23	0.14
31.70	0.00	10,362	180.22	0.14
31.80	0.00	10,314	180.22	0.13
31.90	0.00	10,266	180.21	0.13
32.00	0.00	10,217	180.21	0.13
32.10	0.00	10,169	180.20	0.13
32.20	0.00	10,122	180.19	0.13
32.30	0.00	10,074	180.19	0.13
32.40	0.00	10,027	180.18	0.13
32.50	0.00	9,980	180.18	0.13
32.60	0.00	9,933	180.17	0.13
32.70	0.00	9,886	180.17	0.13
32.80	0.00	9,840	180.16	0.13
32.90	0.00	9,793	180.16	0.13
33.00	0.00	9,747	180.15	0.13
33.10	0.00	9,701	180.14	0.13
33.20	0.00	9,656	180.14	0.13
33.30	0.00	9,610	180.13	0.13
33.40	0.00	9,565	180.13	0.13
33.50	0.00	9,520	180.12	0.12
33.60	0.00	9,475	180.12	0.12
33.70	0.00	9,430	180.11	0.12
33.80	0.00	9,386	180.11	0.12
33.90	0.00	9,342	180.10	0.12
34.00	0.00	9,298	180.10	0.12
34.10	0.00	9,254	180.09	0.12
34.20	0.00	9,210	180.09	0.12
34.30	0.00	9,167	180.08	0.12
34.40	0.00	9,124	180.08	0.12
34.50	0.00	9,081	180.07	0.12
34.60	0.00	9,038	180.07	0.12
34.70	0.00	8,995	180.06	0.12
34.80	0.00	8,953	180.06	0.12
34.90	0.00	8,911	180.05	0.12
35.00	0.00	8,869	180.05	0.12
35.10	0.00	8,827	180.04	0.12
35.20	0.00	8,786	180.04	0.12
35.30	0.00	8,744	180.03	0.11
35.40	0.00	8,703	180.03	0.11
35.50	0.00	8,662	180.02	0.11
35.60	0.00	8,621	180.02	0.11
35.70	0.00	8,581	180.01	0.11
35.80	0.00	8,541	180.01	0.11
35.90	0.00	8,500	180.00	0.11
36.00	0.00	8,461	180.00	0.11
36.10	0.00	8,421	179.99	0.11
36.20	0.00	8,381	179.99	0.11
36.30	0.00	8,342	179.98	0.11

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,303	179.98	0.11
36.50	0.00	8,264	179.97	0.11
36.60	0.00	8,225	179.97	0.11
36.70	0.00	8,187	179.97	0.11
36.80	0.00	8,149	179.96	0.11
36.90	0.00	8,111	179.96	0.11
37.00	0.00	8,073	179.95	0.10
37.10	0.00	8,035	179.95	0.10
37.20	0.00	7,998	179.94	0.10
37.30	0.00	7,961	179.94	0.10
37.40	0.00	7,923	179.93	0.10
37.50	0.00	7,887	179.93	0.10
37.60	0.00	7,850	179.93	0.10
37.70	0.00	7,814	179.92	0.10
37.80	0.00	7,777	179.92	0.10
37.90	0.00	7,741	179.91	0.10
38.00	0.00	7,706	179.91	0.10
38.10	0.00	7,670	179.90	0.10
38.20	0.00	7,635	179.90	0.10
38.30	0.00	7,600	179.90	0.10
38.40	0.00	7,565	179.89	0.10
38.50	0.00	7,530	179.89	0.10
38.60	0.00	7,495	179.88	0.10
38.70	0.00	7,461	179.88	0.10
38.80	0.00	7,427	179.88	0.09
38.90	0.00	7,393	179.87	0.09
39.00	0.00	7,359	179.87	0.09
39.10	0.00	7,326	179.86	0.09
39.20	0.00	7,292	179.86	0.09
39.30	0.00	7,259	179.86	0.09
39.40	0.00	7,226	179.85	0.09
39.50	0.00	7,194	179.85	0.09
39.60	0.00	7,161	179.84	0.09
39.70	0.00	7,129	179.84	0.09
39.80	0.00	7,097	179.84	0.09
39.90	0.00	7,065	179.83	0.09
40.00	0.00	7,033	179.83	0.09

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 3.83" for Current 10 yr event
Inflow = 11.23 cfs @ 12.08 hrs, Volume= 0.712 af
Outflow = 0.20 cfs @ 17.35 hrs, Volume= 0.400 af, Atten= 98%, Lag= 316.3 min
Primary = 0.20 cfs @ 17.35 hrs, Volume= 0.400 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.95' @ 17.35 hrs Surf.Area= 12,248 sf Storage= 23,869 cf

Plug-Flow detention time= 850.9 min calculated for 0.399 af (56% of inflow)
Center-of-Mass det. time= 732.1 min (1,500.7 - 768.6)

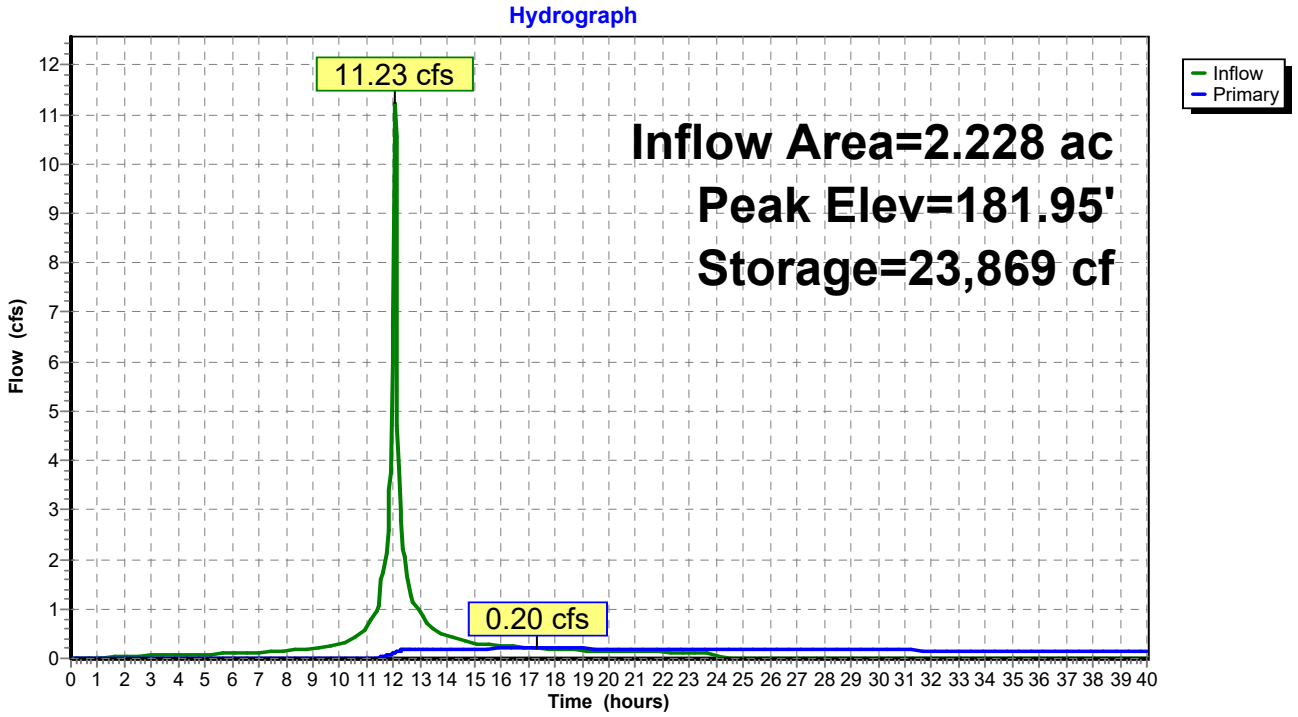
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.20 cfs @ 17.35 hrs HW=181.95' (Free Discharge)
- **1=Culvert** (Passes 0.20 cfs of 11.24 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.75 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.00	0	180.00	0.00
0.50	0.00	0	180.00	0.00
0.60	0.00	0	180.00	0.00
0.70	0.00	0	180.00	0.00
0.80	0.00	0	180.00	0.00
0.90	0.01	1	180.00	0.00
1.00	0.01	4	180.00	0.00
1.10	0.01	8	180.00	0.00
1.20	0.02	13	180.00	0.00
1.30	0.02	19	180.00	0.00
1.40	0.02	26	180.00	0.00
1.50	0.02	34	180.00	0.00
1.60	0.03	43	180.00	0.00
1.70	0.03	53	180.00	0.00
1.80	0.03	64	180.01	0.00
1.90	0.03	77	180.01	0.00
2.00	0.04	89	180.01	0.00
2.10	0.04	103	180.01	0.00
2.20	0.04	117	180.01	0.00
2.30	0.04	133	180.01	0.00
2.40	0.05	149	180.01	0.00
2.50	0.05	165	180.01	0.00
2.60	0.05	183	180.01	0.00
2.70	0.05	200	180.02	0.00
2.80	0.05	219	180.02	0.00
2.90	0.05	239	180.02	0.00
3.00	0.06	258	180.02	0.00
3.10	0.06	279	180.02	0.00
3.20	0.06	300	180.02	0.00
3.30	0.06	322	180.03	0.00
3.40	0.06	344	180.03	0.00
3.50	0.06	367	180.03	0.00
3.60	0.07	390	180.03	0.00
3.70	0.07	414	180.03	0.00
3.80	0.07	438	180.04	0.00
3.90	0.07	463	180.04	0.00
4.00	0.07	488	180.04	0.00
4.10	0.07	514	180.04	0.00
4.20	0.07	540	180.04	0.00
4.30	0.08	566	180.05	0.00
4.40	0.08	594	180.05	0.00
4.50	0.08	621	180.05	0.00
4.60	0.08	649	180.05	0.00
4.70	0.08	678	180.06	0.00
4.80	0.08	706	180.06	0.00
4.90	0.08	736	180.06	0.00
5.00	0.08	765	180.06	0.00
5.10	0.08	795	180.06	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	826	180.07	0.00
5.30	0.09	856	180.07	0.00
5.40	0.09	888	180.07	0.00
5.50	0.09	919	180.08	0.00
5.60	0.09	951	180.08	0.00
5.70	0.09	984	180.08	0.00
5.80	0.09	1,016	180.08	0.00
5.90	0.09	1,049	180.09	0.00
6.00	0.09	1,083	180.09	0.00
6.10	0.10	1,117	180.09	0.00
6.20	0.10	1,152	180.09	0.00
6.30	0.10	1,188	180.10	0.00
6.40	0.10	1,226	180.10	0.00
6.50	0.11	1,264	180.10	0.00
6.60	0.11	1,303	180.11	0.00
6.70	0.11	1,343	180.11	0.00
6.80	0.12	1,384	180.11	0.00
6.90	0.12	1,427	180.12	0.00
7.00	0.12	1,470	180.12	0.00
7.10	0.12	1,514	180.12	0.00
7.20	0.13	1,559	180.13	0.00
7.30	0.13	1,606	180.13	0.00
7.40	0.13	1,653	180.13	0.00
7.50	0.14	1,701	180.14	0.00
7.60	0.14	1,750	180.14	0.00
7.70	0.14	1,801	180.15	0.00
7.80	0.14	1,852	180.15	0.00
7.90	0.15	1,904	180.16	0.00
8.00	0.15	1,958	180.16	0.00
8.10	0.15	2,012	180.16	0.00
8.20	0.16	2,068	180.17	0.00
8.30	0.16	2,124	180.17	0.00
8.40	0.16	2,181	180.18	0.00
8.50	0.16	2,240	180.18	0.00
8.60	0.17	2,299	180.19	0.00
8.70	0.17	2,360	180.19	0.00
8.80	0.17	2,421	180.20	0.00
8.90	0.18	2,484	180.20	0.00
9.00	0.18	2,548	180.21	0.00
9.10	0.19	2,616	180.21	0.00
9.20	0.20	2,687	180.22	0.00
9.30	0.21	2,763	180.23	0.00
9.40	0.23	2,843	180.23	0.00
9.50	0.24	2,927	180.24	0.00
9.60	0.25	3,015	180.25	0.00
9.70	0.26	3,108	180.25	0.00
9.80	0.27	3,205	180.26	0.00
9.90	0.29	3,307	180.27	0.00
10.00	0.30	3,414	180.28	0.00
10.10	0.31	3,525	180.29	0.00
10.20	0.33	3,640	180.30	0.00
10.30	0.34	3,761	180.31	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.35	3,887	180.32	0.00
10.50	0.37	4,017	180.33	0.00
10.60	0.42	4,161	180.34	0.00
10.70	0.46	4,322	180.35	0.00
10.80	0.51	4,499	180.37	0.00
10.90	0.56	4,693	180.38	0.00
11.00	0.61	4,906	180.40	0.00
11.10	0.70	5,147	180.42	0.00
11.20	0.79	5,420	180.44	0.00
11.30	0.89	5,726	180.47	0.01
11.40	0.99	6,066	180.50	0.01
11.50	1.11	6,436	180.53	0.02
11.60	1.68	6,964	180.57	0.03
11.70	1.84	7,583	180.62	0.05
11.80	2.58	8,394	180.69	0.07
11.90	3.77	9,554	180.78	0.08
12.00	6.72	11,540	180.94	0.11
12.10	**10.56**	14,924	181.22	0.14
12.20	3.86	17,020	181.39	0.15
12.30	2.81	18,099	181.48	0.16
12.40	2.09	18,874	181.54	0.17
12.50	1.95	19,540	181.60	0.17
12.60	1.29	20,019	181.63	0.17
12.70	1.21	20,403	181.67	0.18
12.80	1.11	20,751	181.69	0.18
12.90	1.00	21,061	181.72	0.18
13.00	0.90	21,332	181.74	0.18
13.10	0.79	21,565	181.76	0.18
13.20	0.74	21,771	181.78	0.18
13.30	0.68	21,957	181.79	0.18
13.40	0.62	22,121	181.81	0.19
13.50	0.57	22,265	181.82	0.19
13.60	0.51	22,388	181.83	0.19
13.70	0.50	22,500	181.84	0.19
13.80	0.48	22,608	181.85	0.19
13.90	0.47	22,709	181.85	0.19
14.00	0.45	22,806	181.86	0.19
14.10	0.44	22,896	181.87	0.19
14.20	0.42	22,981	181.88	0.19
14.30	0.41	23,061	181.88	0.19
14.40	0.39	23,135	181.89	0.19
14.50	0.38	23,203	181.89	0.19
14.60	0.36	23,266	181.90	0.19
14.70	0.35	23,323	181.90	0.19
14.80	0.33	23,375	181.91	0.19
14.90	0.32	23,421	181.91	0.19
15.00	0.30	23,461	181.92	0.19
15.10	0.29	23,497	181.92	0.19
15.20	0.28	23,529	181.92	0.19
15.30	0.28	23,560	181.92	0.19
15.40	0.28	23,590	181.93	0.19
15.50	0.27	23,617	181.93	0.19

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.27	23,644	181.93	0.19
15.70	0.26	23,669	181.93	0.19
15.80	0.26	23,692	181.93	0.19
15.90	0.26	23,715	181.94	0.20
16.00	0.25	23,735	181.94	0.20
16.10	0.25	23,754	181.94	0.20
16.20	0.24	23,772	181.94	0.20
16.30	0.24	23,788	181.94	0.20
16.40	0.24	23,803	181.94	0.20
16.50	0.23	23,816	181.94	0.20
16.60	0.23	23,828	181.95	0.20
16.70	0.22	23,838	181.95	0.20
16.80	0.22	23,847	181.95	0.20
16.90	0.22	23,854	181.95	0.20
17.00	0.21	23,860	181.95	0.20
17.10	0.21	23,864	181.95	0.20
17.20	0.20	23,867	181.95	0.20
17.30	0.20	**23,869**	**181.95**	**0.20**
17.40	0.19	**23,869**	**181.95**	**0.20**
17.50	0.19	23,867	181.95	0.20
17.60	0.19	23,864	181.95	0.20
17.70	0.18	23,860	181.95	0.20
17.80	0.18	23,854	181.95	0.20
17.90	0.17	23,847	181.95	0.20
18.00	0.17	23,838	181.95	0.20
18.10	0.17	23,828	181.95	0.20
18.20	0.17	23,818	181.94	0.20
18.30	0.16	23,806	181.94	0.20
18.40	0.16	23,795	181.94	0.20
18.50	0.16	23,783	181.94	0.20
18.60	0.16	23,771	181.94	0.20
18.70	0.16	23,759	181.94	0.20
18.80	0.16	23,746	181.94	0.20
18.90	0.16	23,733	181.94	0.20
19.00	0.16	23,719	181.94	0.20
19.10	0.16	23,705	181.94	0.19
19.20	0.16	23,691	181.93	0.19
19.30	0.15	23,677	181.93	0.19
19.40	0.15	23,662	181.93	0.19
19.50	0.15	23,647	181.93	0.19
19.60	0.15	23,631	181.93	0.19
19.70	0.15	23,616	181.93	0.19
19.80	0.15	23,600	181.93	0.19
19.90	0.15	23,583	181.93	0.19
20.00	0.15	23,567	181.92	0.19
20.10	0.15	23,550	181.92	0.19
20.20	0.15	23,532	181.92	0.19
20.30	0.14	23,514	181.92	0.19
20.40	0.14	23,496	181.92	0.19
20.50	0.14	23,478	181.92	0.19
20.60	0.14	23,459	181.92	0.19
20.70	0.14	23,440	181.91	0.19

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	23,421	181.91	0.19
20.90	0.14	23,401	181.91	0.19
21.00	0.14	23,381	181.91	0.19
21.10	0.14	23,361	181.91	0.19
21.20	0.14	23,340	181.91	0.19
21.30	0.14	23,319	181.90	0.19
21.40	0.13	23,298	181.90	0.19
21.50	0.13	23,276	181.90	0.19
21.60	0.13	23,254	181.90	0.19
21.70	0.13	23,232	181.90	0.19
21.80	0.13	23,210	181.89	0.19
21.90	0.13	23,187	181.89	0.19
22.00	0.13	23,164	181.89	0.19
22.10	0.13	23,140	181.89	0.19
22.20	0.13	23,116	181.89	0.19
22.30	0.12	23,092	181.89	0.19
22.40	0.12	23,068	181.88	0.19
22.50	0.12	23,043	181.88	0.19
22.60	0.12	23,018	181.88	0.19
22.70	0.12	22,992	181.88	0.19
22.80	0.12	22,967	181.88	0.19
22.90	0.12	22,940	181.87	0.19
23.00	0.12	22,914	181.87	0.19
23.10	0.12	22,888	181.87	0.19
23.20	0.11	22,861	181.87	0.19
23.30	0.11	22,833	181.86	0.19
23.40	0.11	22,806	181.86	0.19
23.50	0.11	22,778	181.86	0.19
23.60	0.11	22,749	181.86	0.19
23.70	0.11	22,721	181.86	0.19
23.80	0.11	22,692	181.85	0.19
23.90	0.11	22,663	181.85	0.19
24.00	0.12	22,640	181.85	0.19
24.10	0.00	22,585	181.84	0.19
24.20	0.00	22,518	181.84	0.19
24.30	0.00	22,450	181.83	0.19
24.40	0.00	22,382	181.83	0.19
24.50	0.00	22,315	181.82	0.19
24.60	0.00	22,248	181.82	0.19
24.70	0.00	22,181	181.81	0.19
24.80	0.00	22,114	181.81	0.19
24.90	0.00	22,047	181.80	0.19
25.00	0.00	21,980	181.79	0.18
25.10	0.00	21,914	181.79	0.18
25.20	0.00	21,847	181.78	0.18
25.30	0.00	21,781	181.78	0.18
25.40	0.00	21,715	181.77	0.18
25.50	0.00	21,649	181.77	0.18
25.60	0.00	21,583	181.76	0.18
25.70	0.00	21,518	181.76	0.18
25.80	0.00	21,452	181.75	0.18
25.90	0.00	21,387	181.75	0.18

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	21,321	181.74	0.18
26.10	0.00	21,256	181.74	0.18
26.20	0.00	21,191	181.73	0.18
26.30	0.00	21,127	181.72	0.18
26.40	0.00	21,062	181.72	0.18
26.50	0.00	20,997	181.71	0.18
26.60	0.00	20,933	181.71	0.18
26.70	0.00	20,869	181.70	0.18
26.80	0.00	20,805	181.70	0.18
26.90	0.00	20,741	181.69	0.18
27.00	0.00	20,677	181.69	0.18
27.10	0.00	20,613	181.68	0.18
27.20	0.00	20,550	181.68	0.18
27.30	0.00	20,486	181.67	0.18
27.40	0.00	20,423	181.67	0.18
27.50	0.00	20,360	181.66	0.18
27.60	0.00	20,297	181.66	0.17
27.70	0.00	20,234	181.65	0.17
27.80	0.00	20,171	181.65	0.17
27.90	0.00	20,109	181.64	0.17
28.00	0.00	20,047	181.64	0.17
28.10	0.00	19,984	181.63	0.17
28.20	0.00	19,922	181.63	0.17
28.30	0.00	19,860	181.62	0.17
28.40	0.00	19,798	181.62	0.17
28.50	0.00	19,737	181.61	0.17
28.60	0.00	19,675	181.61	0.17
28.70	0.00	19,614	181.60	0.17
28.80	0.00	19,553	181.60	0.17
28.90	0.00	19,491	181.59	0.17
29.00	0.00	19,430	181.59	0.17
29.10	0.00	19,370	181.58	0.17
29.20	0.00	19,309	181.58	0.17
29.30	0.00	19,248	181.57	0.17
29.40	0.00	19,188	181.57	0.17
29.50	0.00	19,128	181.56	0.17
29.60	0.00	19,068	181.56	0.17
29.70	0.00	19,008	181.55	0.17
29.80	0.00	18,948	181.55	0.17
29.90	0.00	18,888	181.54	0.17
30.00	0.00	18,829	181.54	0.17
30.10	0.00	18,769	181.53	0.16
30.20	0.00	18,710	181.53	0.16
30.30	0.00	18,651	181.52	0.16
30.40	0.00	18,592	181.52	0.16
30.50	0.00	18,533	181.51	0.16
30.60	0.00	18,474	181.51	0.16
30.70	0.00	18,416	181.50	0.16
30.80	0.00	18,357	181.50	0.16
30.90	0.00	18,299	181.49	0.16
31.00	0.00	18,241	181.49	0.16
31.10	0.00	18,183	181.48	0.16

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	18,125	181.48	0.16
31.30	0.00	18,068	181.48	0.16
31.40	0.00	18,010	181.47	0.16
31.50	0.00	17,953	181.47	0.16
31.60	0.00	17,895	181.46	0.16
31.70	0.00	17,838	181.46	0.16
31.80	0.00	17,781	181.45	0.16
31.90	0.00	17,724	181.45	0.16
32.00	0.00	17,668	181.44	0.16
32.10	0.00	17,611	181.44	0.16
32.20	0.00	17,555	181.43	0.16
32.30	0.00	17,498	181.43	0.16
32.40	0.00	17,442	181.42	0.16
32.50	0.00	17,386	181.42	0.16
32.60	0.00	17,331	181.41	0.15
32.70	0.00	17,275	181.41	0.15
32.80	0.00	17,219	181.41	0.15
32.90	0.00	17,164	181.40	0.15
33.00	0.00	17,109	181.40	0.15
33.10	0.00	17,054	181.39	0.15
33.20	0.00	16,999	181.39	0.15
33.30	0.00	16,944	181.38	0.15
33.40	0.00	16,889	181.38	0.15
33.50	0.00	16,834	181.37	0.15
33.60	0.00	16,780	181.37	0.15
33.70	0.00	16,726	181.37	0.15
33.80	0.00	16,672	181.36	0.15
33.90	0.00	16,618	181.36	0.15
34.00	0.00	16,564	181.35	0.15
34.10	0.00	16,510	181.35	0.15
34.20	0.00	16,457	181.34	0.15
34.30	0.00	16,403	181.34	0.15
34.40	0.00	16,350	181.33	0.15
34.50	0.00	16,297	181.33	0.15
34.60	0.00	16,244	181.33	0.15
34.70	0.00	16,191	181.32	0.15
34.80	0.00	16,138	181.32	0.15
34.90	0.00	16,086	181.31	0.15
35.00	0.00	16,033	181.31	0.15
35.10	0.00	15,981	181.30	0.14
35.20	0.00	15,929	181.30	0.14
35.30	0.00	15,877	181.30	0.14
35.40	0.00	15,825	181.29	0.14
35.50	0.00	15,773	181.29	0.14
35.60	0.00	15,722	181.28	0.14
35.70	0.00	15,670	181.28	0.14
35.80	0.00	15,619	181.28	0.14
35.90	0.00	15,568	181.27	0.14
36.00	0.00	15,517	181.27	0.14
36.10	0.00	15,466	181.26	0.14
36.20	0.00	15,415	181.26	0.14
36.30	0.00	15,365	181.25	0.14

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	15,314	181.25	0.14
36.50	0.00	15,264	181.25	0.14
36.60	0.00	15,214	181.24	0.14
36.70	0.00	15,164	181.24	0.14
36.80	0.00	15,114	181.23	0.14
36.90	0.00	15,065	181.23	0.14
37.00	0.00	15,015	181.23	0.14
37.10	0.00	14,966	181.22	0.14
37.20	0.00	14,916	181.22	0.14
37.30	0.00	14,867	181.21	0.14
37.40	0.00	14,818	181.21	0.14
37.50	0.00	14,769	181.21	0.14
37.60	0.00	14,721	181.20	0.14
37.70	0.00	14,672	181.20	0.13
37.80	0.00	14,624	181.19	0.13
37.90	0.00	14,575	181.19	0.13
38.00	0.00	14,527	181.19	0.13
38.10	0.00	14,479	181.18	0.13
38.20	0.00	14,431	181.18	0.13
38.30	0.00	14,384	181.17	0.13
38.40	0.00	14,336	181.17	0.13
38.50	0.00	14,289	181.17	0.13
38.60	0.00	14,241	181.16	0.13
38.70	0.00	14,194	181.16	0.13
38.80	0.00	14,147	181.16	0.13
38.90	0.00	14,100	181.15	0.13
39.00	0.00	14,054	181.15	0.13
39.10	0.00	14,007	181.14	0.13
39.20	0.00	13,961	181.14	0.13
39.30	0.00	13,914	181.14	0.13
39.40	0.00	13,868	181.13	0.13
39.50	0.00	13,822	181.13	0.13
39.60	0.00	13,776	181.12	0.13
39.70	0.00	13,731	181.12	0.13
39.80	0.00	13,685	181.12	0.13
39.90	0.00	13,640	181.11	0.13
40.00	0.00	13,594	181.11	0.13

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 3.50" for Current 10 yr event
Inflow = 11.15 cfs @ 12.09 hrs, Volume= 0.708 af
Outflow = 4.28 cfs @ 12.21 hrs, Volume= 0.584 af, Atten= 62%, Lag= 7.6 min
Primary = 4.28 cfs @ 12.21 hrs, Volume= 0.584 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.47' @ 12.21 hrs Surf.Area= 5,928 sf Storage= 14,621 cf

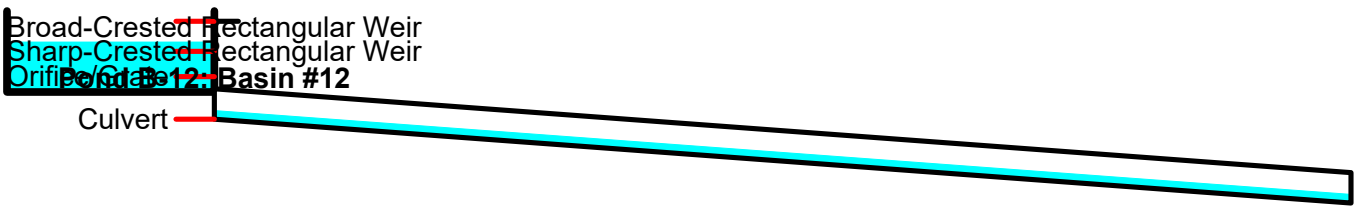
Plug-Flow detention time= 408.1 min calculated for 0.584 af (83% of inflow)
Center-of-Mass det. time= 331.8 min (1,112.4 - 780.6)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

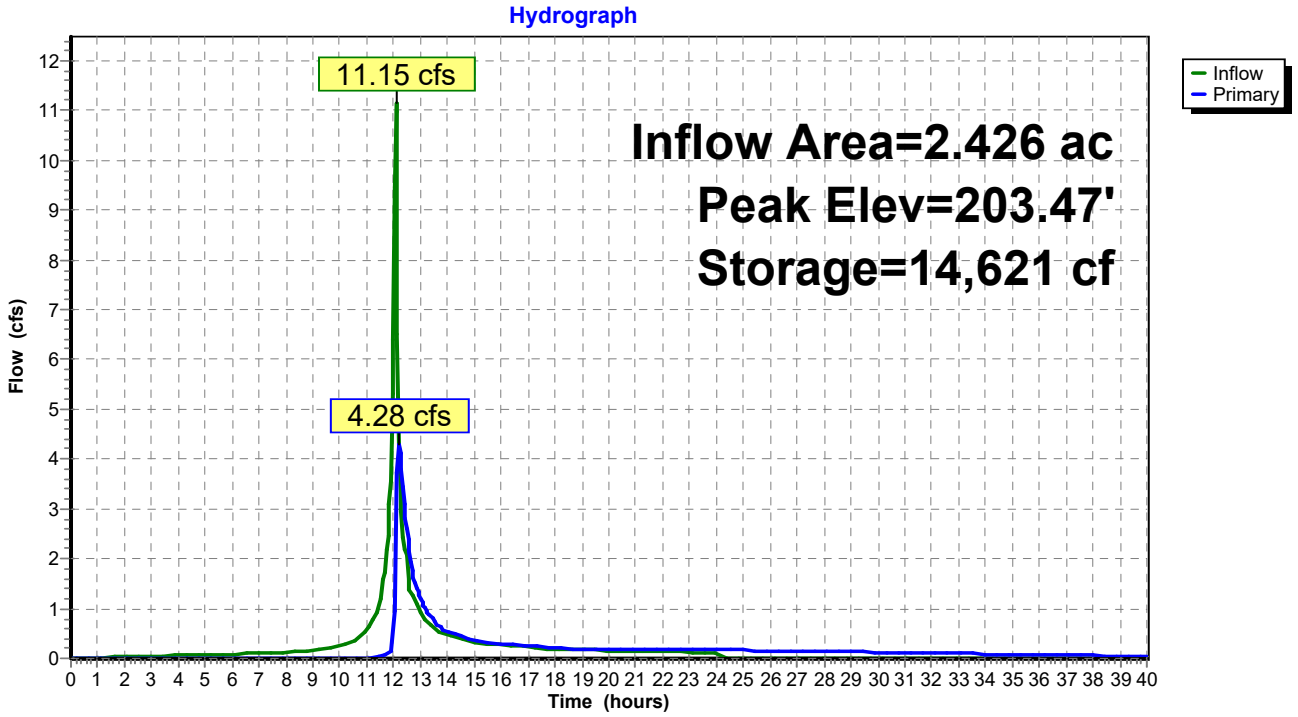
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.21 cfs @ 12.21 hrs HW=203.46' (Free Discharge)
- **1=Culvert** (Passes 4.21 cfs of 14.89 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.10 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.00 cfs @ 2.22 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.00	0	201.00	0.00
0.50	0.00	0	201.00	0.00
0.60	0.00	0	201.00	0.00
0.70	0.00	0	201.00	0.00
0.80	0.00	0	201.00	0.00
0.90	0.00	1	201.00	0.00
1.00	0.01	3	201.00	0.00
1.10	0.01	6	201.00	0.00
1.20	0.01	9	201.00	0.00
1.30	0.01	14	201.00	0.00
1.40	0.02	20	201.00	0.00
1.50	0.02	27	201.00	0.00
1.60	0.02	34	201.01	0.00
1.70	0.02	42	201.01	0.00
1.80	0.03	52	201.01	0.00
1.90	0.03	61	201.01	0.00
2.00	0.03	72	201.01	0.00
2.10	0.03	83	201.01	0.00
2.20	0.03	95	201.02	0.00
2.30	0.04	107	201.02	0.00
2.40	0.04	121	201.02	0.00
2.50	0.04	134	201.02	0.00
2.60	0.04	149	201.03	0.00
2.70	0.04	163	201.03	0.00
2.80	0.04	179	201.03	0.00
2.90	0.04	195	201.03	0.00
3.00	0.05	211	201.04	0.00
3.10	0.05	228	201.04	0.00
3.20	0.05	246	201.04	0.00
3.30	0.05	264	201.04	0.00
3.40	0.05	282	201.05	0.00
3.50	0.05	301	201.05	0.00
3.60	0.05	320	201.05	0.00
3.70	0.06	340	201.06	0.00
3.80	0.06	360	201.06	0.00
3.90	0.06	380	201.06	0.00
4.00	0.06	401	201.07	0.00
4.10	0.06	423	201.07	0.00
4.20	0.06	444	201.07	0.00
4.30	0.06	467	201.08	0.00
4.40	0.06	489	201.08	0.00
4.50	0.06	512	201.09	0.00
4.60	0.06	535	201.09	0.00
4.70	0.07	559	201.09	0.00
4.80	0.07	583	201.10	0.00
4.90	0.07	607	201.10	0.00
5.00	0.07	632	201.11	0.00
5.10	0.07	656	201.11	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	682	201.11	0.00
5.30	0.07	707	201.12	0.00
5.40	0.07	733	201.12	0.00
5.50	0.07	759	201.13	0.00
5.60	0.07	786	201.13	0.00
5.70	0.08	813	201.14	0.00
5.80	0.08	840	201.14	0.00
5.90	0.08	868	201.15	0.00
6.00	0.08	895	201.15	0.00
6.10	0.08	924	201.16	0.00
6.20	0.08	953	201.16	0.00
6.30	0.08	983	201.17	0.00
6.40	0.09	1,014	201.17	0.00
6.50	0.09	1,045	201.18	0.00
6.60	0.09	1,078	201.18	0.00
6.70	0.09	1,111	201.19	0.00
6.80	0.10	1,145	201.19	0.00
6.90	0.10	1,180	201.20	0.00
7.00	0.10	1,216	201.21	0.00
7.10	0.10	1,252	201.21	0.00
7.20	0.11	1,290	201.22	0.00
7.30	0.11	1,328	201.22	0.00
7.40	0.11	1,367	201.23	0.00
7.50	0.11	1,407	201.24	0.00
7.60	0.11	1,448	201.24	0.00
7.70	0.12	1,490	201.25	0.00
7.80	0.12	1,532	201.26	0.00
7.90	0.12	1,576	201.27	0.00
8.00	0.12	1,620	201.27	0.00
8.10	0.13	1,665	201.28	0.00
8.20	0.13	1,711	201.29	0.00
8.30	0.13	1,758	201.30	0.00
8.40	0.13	1,805	201.30	0.00
8.50	0.14	1,854	201.31	0.00
8.60	0.14	1,903	201.32	0.00
8.70	0.14	1,953	201.33	0.00
8.80	0.14	2,005	201.34	0.00
8.90	0.15	2,057	201.35	0.00
9.00	0.15	2,111	201.36	0.00
9.10	0.16	2,167	201.37	0.00
9.20	0.17	2,227	201.38	0.00
9.30	0.18	2,290	201.39	0.00
9.40	0.19	2,358	201.40	0.00
9.50	0.20	2,429	201.41	0.00
9.60	0.22	2,505	201.42	0.00
9.70	0.23	2,584	201.44	0.00
9.80	0.24	2,668	201.45	0.00
9.90	0.25	2,756	201.46	0.00
10.00	0.26	2,849	201.48	0.00
10.10	0.28	2,946	201.50	0.00
10.20	0.29	3,048	201.51	0.00
10.30	0.30	3,155	201.53	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.32	3,266	201.55	0.00
10.50	0.33	3,382	201.57	0.00
10.60	0.37	3,509	201.59	0.00
10.70	0.42	3,652	201.62	0.00
10.80	0.46	3,810	201.64	0.00
10.90	0.51	3,986	201.67	0.00
11.00	0.56	4,178	201.70	0.00
11.10	0.64	4,396	201.74	0.00
11.20	0.73	4,644	201.78	0.00
11.30	0.83	4,924	201.83	0.01
11.40	0.92	5,234	201.88	0.03
11.50	1.02	5,570	201.94	0.05
11.60	1.58	6,030	202.02	0.07
11.70	1.74	6,604	202.11	0.08
11.80	2.45	7,338	202.24	0.10
11.90	3.55	8,397	202.42	0.12
12.00	6.41	10,200	202.72	0.15
12.10	**10.97**	13,270	203.24	1.70
12.20	4.24	**14,608**	**203.46**	**4.25**
12.30	2.97	14,394	203.43	3.79
12.40	2.19	14,055	203.37	3.11
12.50	2.06	13,796	203.33	2.61
12.60	1.37	13,533	203.28	2.14
12.70	1.27	13,307	203.24	1.76
12.80	1.16	13,153	203.22	1.52
12.90	1.05	13,034	203.20	1.34
13.00	0.94	12,934	203.18	1.20
13.10	0.83	12,842	203.17	1.07
13.20	0.77	12,763	203.15	0.97
13.30	0.71	12,696	203.14	0.88
13.40	0.65	12,636	203.13	0.81
13.50	0.60	12,580	203.12	0.74
13.60	0.54	12,526	203.11	0.68
13.70	0.52	12,479	203.11	0.63
13.80	0.50	12,442	203.10	0.59
13.90	0.49	12,413	203.09	0.56
14.00	0.47	12,388	203.09	0.54
14.10	0.46	12,366	203.09	0.51
14.20	0.44	12,346	203.08	0.49
14.30	0.43	12,328	203.08	0.47
14.40	0.41	12,310	203.08	0.46
14.50	0.40	12,292	203.07	0.45
14.60	0.38	12,274	203.07	0.43
14.70	0.36	12,255	203.07	0.42
14.80	0.35	12,236	203.06	0.40
14.90	0.33	12,217	203.06	0.38
15.00	0.32	12,198	203.06	0.37
15.10	0.30	12,179	203.05	0.35
15.20	0.30	12,162	203.05	0.34
15.30	0.29	12,148	203.05	0.33
15.40	0.29	12,136	203.05	0.32
15.50	0.28	12,126	203.05	0.31

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.28	12,117	203.04	0.30
15.70	0.28	12,110	203.04	0.30
15.80	0.27	12,102	203.04	0.29
15.90	0.27	12,096	203.04	0.29
16.00	0.26	12,089	203.04	0.28
16.10	0.26	12,083	203.04	0.28
16.20	0.26	12,076	203.04	0.28
16.30	0.25	12,068	203.04	0.27
16.40	0.25	12,061	203.03	0.27
16.50	0.24	12,053	203.03	0.26
16.60	0.24	12,045	203.03	0.26
16.70	0.23	12,036	203.03	0.26
16.80	0.23	12,028	203.03	0.25
16.90	0.23	12,019	203.03	0.25
17.00	0.22	12,011	203.03	0.25
17.10	0.22	12,002	203.02	0.24
17.20	0.21	11,993	203.02	0.24
17.30	0.21	11,984	203.02	0.23
17.40	0.21	11,975	203.02	0.23
17.50	0.20	11,966	203.02	0.23
17.60	0.20	11,957	203.02	0.22
17.70	0.19	11,948	203.02	0.22
17.80	0.19	11,939	203.01	0.21
17.90	0.18	11,930	203.01	0.21
18.00	0.18	11,920	203.01	0.20
18.10	0.18	11,911	203.01	0.20
18.20	0.17	11,902	203.01	0.20
18.30	0.17	11,895	203.01	0.19
18.40	0.17	11,888	203.01	0.19
18.50	0.17	11,882	203.00	0.19
18.60	0.17	11,876	203.00	0.18
18.70	0.17	11,871	203.00	0.18
18.80	0.17	11,866	203.00	0.18
18.90	0.17	11,862	203.00	0.18
19.00	0.17	11,858	203.00	0.18
19.10	0.16	11,854	203.00	0.18
19.20	0.16	11,850	203.00	0.18
19.30	0.16	11,845	203.00	0.18
19.40	0.16	11,841	203.00	0.18
19.50	0.16	11,835	203.00	0.18
19.60	0.16	11,830	203.00	0.18
19.70	0.16	11,824	202.99	0.18
19.80	0.16	11,818	202.99	0.18
19.90	0.16	11,812	202.99	0.18
20.00	0.16	11,805	202.99	0.18
20.10	0.15	11,797	202.99	0.17
20.20	0.15	11,790	202.99	0.17
20.30	0.15	11,782	202.99	0.17
20.40	0.15	11,773	202.99	0.17
20.50	0.15	11,765	202.98	0.17
20.60	0.15	11,756	202.98	0.17
20.70	0.15	11,747	202.98	0.17

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	11,737	202.98	0.17
20.90	0.15	11,727	202.98	0.17
21.00	0.14	11,717	202.98	0.17
21.10	0.14	11,706	202.97	0.17
21.20	0.14	11,695	202.97	0.17
21.30	0.14	11,684	202.97	0.17
21.40	0.14	11,672	202.97	0.17
21.50	0.14	11,660	202.97	0.17
21.60	0.14	11,648	202.96	0.17
21.70	0.14	11,635	202.96	0.17
21.80	0.14	11,623	202.96	0.17
21.90	0.14	11,609	202.96	0.17
22.00	0.13	11,596	202.96	0.17
22.10	0.13	11,582	202.95	0.17
22.20	0.13	11,568	202.95	0.17
22.30	0.13	11,553	202.95	0.17
22.40	0.13	11,539	202.95	0.17
22.50	0.13	11,523	202.94	0.17
22.60	0.13	11,508	202.94	0.17
22.70	0.13	11,492	202.94	0.17
22.80	0.13	11,476	202.94	0.17
22.90	0.12	11,460	202.93	0.17
23.00	0.12	11,443	202.93	0.17
23.10	0.12	11,426	202.93	0.17
23.20	0.12	11,409	202.92	0.17
23.30	0.12	11,391	202.92	0.17
23.40	0.12	11,373	202.92	0.17
23.50	0.12	11,355	202.92	0.17
23.60	0.12	11,337	202.91	0.17
23.70	0.12	11,318	202.91	0.17
23.80	0.11	11,299	202.91	0.17
23.90	0.11	11,280	202.90	0.17
24.00	0.14	11,265	202.90	0.17
24.10	0.00	11,226	202.89	0.17
24.20	0.00	11,166	202.88	0.17
24.30	0.00	11,106	202.87	0.17
24.40	0.00	11,047	202.86	0.16
24.50	0.00	10,988	202.85	0.16
24.60	0.00	10,929	202.84	0.16
24.70	0.00	10,870	202.83	0.16
24.80	0.00	10,812	202.82	0.16
24.90	0.00	10,754	202.81	0.16
25.00	0.00	10,696	202.80	0.16
25.10	0.00	10,638	202.79	0.16
25.20	0.00	10,581	202.78	0.16
25.30	0.00	10,524	202.78	0.16
25.40	0.00	10,468	202.77	0.16
25.50	0.00	10,412	202.76	0.16
25.60	0.00	10,356	202.75	0.16
25.70	0.00	10,300	202.74	0.15
25.80	0.00	10,245	202.73	0.15
25.90	0.00	10,190	202.72	0.15

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,135	202.71	0.15
26.10	0.00	10,080	202.70	0.15
26.20	0.00	10,026	202.69	0.15
26.30	0.00	9,972	202.68	0.15
26.40	0.00	9,918	202.67	0.15
26.50	0.00	9,865	202.66	0.15
26.60	0.00	9,812	202.66	0.15
26.70	0.00	9,759	202.65	0.15
26.80	0.00	9,707	202.64	0.15
26.90	0.00	9,655	202.63	0.14
27.00	0.00	9,603	202.62	0.14
27.10	0.00	9,551	202.61	0.14
27.20	0.00	9,500	202.60	0.14
27.30	0.00	9,449	202.59	0.14
27.40	0.00	9,398	202.59	0.14
27.50	0.00	9,348	202.58	0.14
27.60	0.00	9,298	202.57	0.14
27.70	0.00	9,248	202.56	0.14
27.80	0.00	9,199	202.55	0.14
27.90	0.00	9,150	202.54	0.14
28.00	0.00	9,101	202.54	0.14
28.10	0.00	9,052	202.53	0.13
28.20	0.00	9,004	202.52	0.13
28.30	0.00	8,956	202.51	0.13
28.40	0.00	8,908	202.50	0.13
28.50	0.00	8,861	202.49	0.13
28.60	0.00	8,813	202.49	0.13
28.70	0.00	8,767	202.48	0.13
28.80	0.00	8,720	202.47	0.13
28.90	0.00	8,674	202.46	0.13
29.00	0.00	8,628	202.46	0.13
29.10	0.00	8,582	202.45	0.13
29.20	0.00	8,537	202.44	0.13
29.30	0.00	8,492	202.43	0.12
29.40	0.00	8,447	202.42	0.12
29.50	0.00	8,402	202.42	0.12
29.60	0.00	8,358	202.41	0.12
29.70	0.00	8,314	202.40	0.12
29.80	0.00	8,271	202.40	0.12
29.90	0.00	8,227	202.39	0.12
30.00	0.00	8,184	202.38	0.12
30.10	0.00	8,142	202.37	0.12
30.20	0.00	8,099	202.37	0.12
30.30	0.00	8,057	202.36	0.12
30.40	0.00	8,015	202.35	0.12
30.50	0.00	7,974	202.35	0.11
30.60	0.00	7,932	202.34	0.11
30.70	0.00	7,891	202.33	0.11
30.80	0.00	7,851	202.32	0.11
30.90	0.00	7,810	202.32	0.11
31.00	0.00	7,770	202.31	0.11
31.10	0.00	7,731	202.30	0.11

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,691	202.30	0.11
31.30	0.00	7,652	202.29	0.11
31.40	0.00	7,613	202.28	0.11
31.50	0.00	7,574	202.28	0.11
31.60	0.00	7,536	202.27	0.11
31.70	0.00	7,498	202.26	0.11
31.80	0.00	7,460	202.26	0.10
31.90	0.00	7,423	202.25	0.10
32.00	0.00	7,386	202.25	0.10
32.10	0.00	7,349	202.24	0.10
32.20	0.00	7,313	202.23	0.10
32.30	0.00	7,276	202.23	0.10
32.40	0.00	7,240	202.22	0.10
32.50	0.00	7,205	202.22	0.10
32.60	0.00	7,169	202.21	0.10
32.70	0.00	7,134	202.20	0.10
32.80	0.00	7,100	202.20	0.10
32.90	0.00	7,065	202.19	0.10
33.00	0.00	7,031	202.19	0.09
33.10	0.00	6,997	202.18	0.09
33.20	0.00	6,963	202.17	0.09
33.30	0.00	6,930	202.17	0.09
33.40	0.00	6,897	202.16	0.09
33.50	0.00	6,864	202.16	0.09
33.60	0.00	6,832	202.15	0.09
33.70	0.00	6,800	202.15	0.09
33.80	0.00	6,768	202.14	0.09
33.90	0.00	6,737	202.14	0.09
34.00	0.00	6,705	202.13	0.09
34.10	0.00	6,674	202.13	0.09
34.20	0.00	6,644	202.12	0.08
34.30	0.00	6,613	202.12	0.08
34.40	0.00	6,583	202.11	0.08
34.50	0.00	6,554	202.11	0.08
34.60	0.00	6,524	202.10	0.08
34.70	0.00	6,495	202.10	0.08
34.80	0.00	6,466	202.09	0.08
34.90	0.00	6,438	202.09	0.08
35.00	0.00	6,409	202.08	0.08
35.10	0.00	6,381	202.08	0.08
35.20	0.00	6,354	202.07	0.08
35.30	0.00	6,326	202.07	0.08
35.40	0.00	6,299	202.06	0.07
35.50	0.00	6,272	202.06	0.07
35.60	0.00	6,246	202.05	0.07
35.70	0.00	6,220	202.05	0.07
35.80	0.00	6,194	202.04	0.07
35.90	0.00	6,168	202.04	0.07
36.00	0.00	6,143	202.04	0.07
36.10	0.00	6,118	202.03	0.07
36.20	0.00	6,093	202.03	0.07
36.30	0.00	6,068	202.02	0.07

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,044	202.02	0.07
36.50	0.00	6,020	202.02	0.07
36.60	0.00	5,997	202.01	0.07
36.70	0.00	5,974	202.01	0.06
36.80	0.00	5,951	202.00	0.06
36.90	0.00	5,928	202.00	0.06
37.00	0.00	5,905	202.00	0.06
37.10	0.00	5,883	201.99	0.06
37.20	0.00	5,862	201.99	0.06
37.30	0.00	5,840	201.99	0.06
37.40	0.00	5,819	201.98	0.06
37.50	0.00	5,798	201.98	0.06
37.60	0.00	5,777	201.97	0.06
37.70	0.00	5,757	201.97	0.06
37.80	0.00	5,737	201.97	0.06
37.90	0.00	5,717	201.96	0.05
38.00	0.00	5,698	201.96	0.05
38.10	0.00	5,679	201.96	0.05
38.20	0.00	5,660	201.95	0.05
38.30	0.00	5,641	201.95	0.05
38.40	0.00	5,623	201.95	0.05
38.50	0.00	5,605	201.95	0.05
38.60	0.00	5,588	201.94	0.05
38.70	0.00	5,571	201.94	0.05
38.80	0.00	5,554	201.94	0.05
38.90	0.00	5,537	201.93	0.05
39.00	0.00	5,521	201.93	0.05
39.10	0.00	5,504	201.93	0.04
39.20	0.00	5,489	201.93	0.04
39.30	0.00	5,473	201.92	0.04
39.40	0.00	5,458	201.92	0.04
39.50	0.00	5,443	201.92	0.04
39.60	0.00	5,428	201.92	0.04
39.70	0.00	5,414	201.91	0.04
39.80	0.00	5,400	201.91	0.04
39.90	0.00	5,386	201.91	0.04
40.00	0.00	5,373	201.91	0.04

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0	201.52	5,928	3,083
201.01	5,928	59	201.53	5,928	3,142
201.02	5,928	119	201.54	5,928	3,201
201.03	5,928	178	201.55	5,928	3,260
201.04	5,928	237	201.56	5,928	3,320
201.05	5,928	296	201.57	5,928	3,379
201.06	5,928	356	201.58	5,928	3,438
201.07	5,928	415	201.59	5,928	3,498
201.08	5,928	474	201.60	5,928	3,557
201.09	5,928	534	201.61	5,928	3,616
201.10	5,928	593	201.62	5,928	3,675
201.11	5,928	652	201.63	5,928	3,735
201.12	5,928	711	201.64	5,928	3,794
201.13	5,928	771	201.65	5,928	3,853
201.14	5,928	830	201.66	5,928	3,912
201.15	5,928	889	201.67	5,928	3,972
201.16	5,928	948	201.68	5,928	4,031
201.17	5,928	1,008	201.69	5,928	4,090
201.18	5,928	1,067	201.70	5,928	4,150
201.19	5,928	1,126	201.71	5,928	4,209
201.20	5,928	1,186	201.72	5,928	4,268
201.21	5,928	1,245	201.73	5,928	4,327
201.22	5,928	1,304	201.74	5,928	4,387
201.23	5,928	1,363	201.75	5,928	4,446
201.24	5,928	1,423	201.76	5,928	4,505
201.25	5,928	1,482	201.77	5,928	4,565
201.26	5,928	1,541	201.78	5,928	4,624
201.27	5,928	1,601	201.79	5,928	4,683
201.28	5,928	1,660	201.80	5,928	4,742
201.29	5,928	1,719	201.81	5,928	4,802
201.30	5,928	1,778	201.82	5,928	4,861
201.31	5,928	1,838	201.83	5,928	4,920
201.32	5,928	1,897	201.84	5,928	4,980
201.33	5,928	1,956	201.85	5,928	5,039
201.34	5,928	2,016	201.86	5,928	5,098
201.35	5,928	2,075	201.87	5,928	5,157
201.36	5,928	2,134	201.88	5,928	5,217
201.37	5,928	2,193	201.89	5,928	5,276
201.38	5,928	2,253	201.90	5,928	5,335
201.39	5,928	2,312	201.91	5,928	5,394
201.40	5,928	2,371	201.92	5,928	5,454
201.41	5,928	2,430	201.93	5,928	5,513
201.42	5,928	2,490	201.94	5,928	5,572
201.43	5,928	2,549	201.95	5,928	5,632
201.44	5,928	2,608	201.96	5,928	5,691
201.45	5,928	2,668	201.97	5,928	5,750
201.46	5,928	2,727	201.98	5,928	5,809
201.47	5,928	2,786	201.99	5,928	5,869
201.48	5,928	2,845	202.00	5,928	5,928
201.49	5,928	2,905	202.01	5,928	5,987
201.50	5,928	2,964	202.02	5,928	6,047
201.51	5,928	3,023	202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 3.93" for Current 10 yr event
Inflow = 10.13 cfs @ 12.11 hrs, Volume= 0.769 af
Outflow = 0.22 cfs @ 17.26 hrs, Volume= 0.437 af, Atten= 98%, Lag= 308.7 min
Primary = 0.22 cfs @ 17.26 hrs, Volume= 0.437 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.34' @ 17.26 hrs Surf.Area= 10,996 sf Storage= 25,758 cf

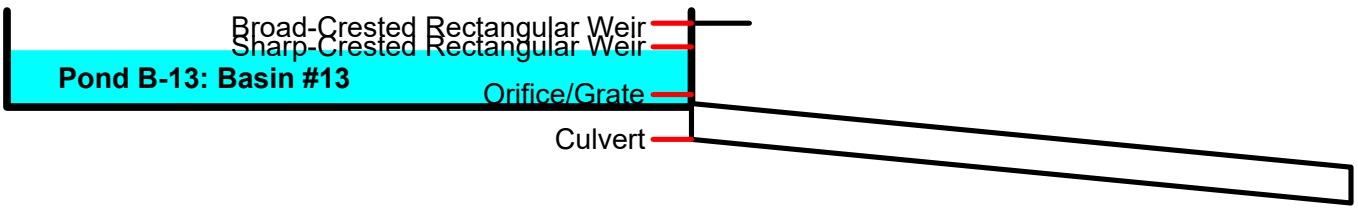
Plug-Flow detention time= 850.0 min calculated for 0.437 af (57% of inflow)
Center-of-Mass det. time= 730.9 min (1,500.2 - 769.4)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

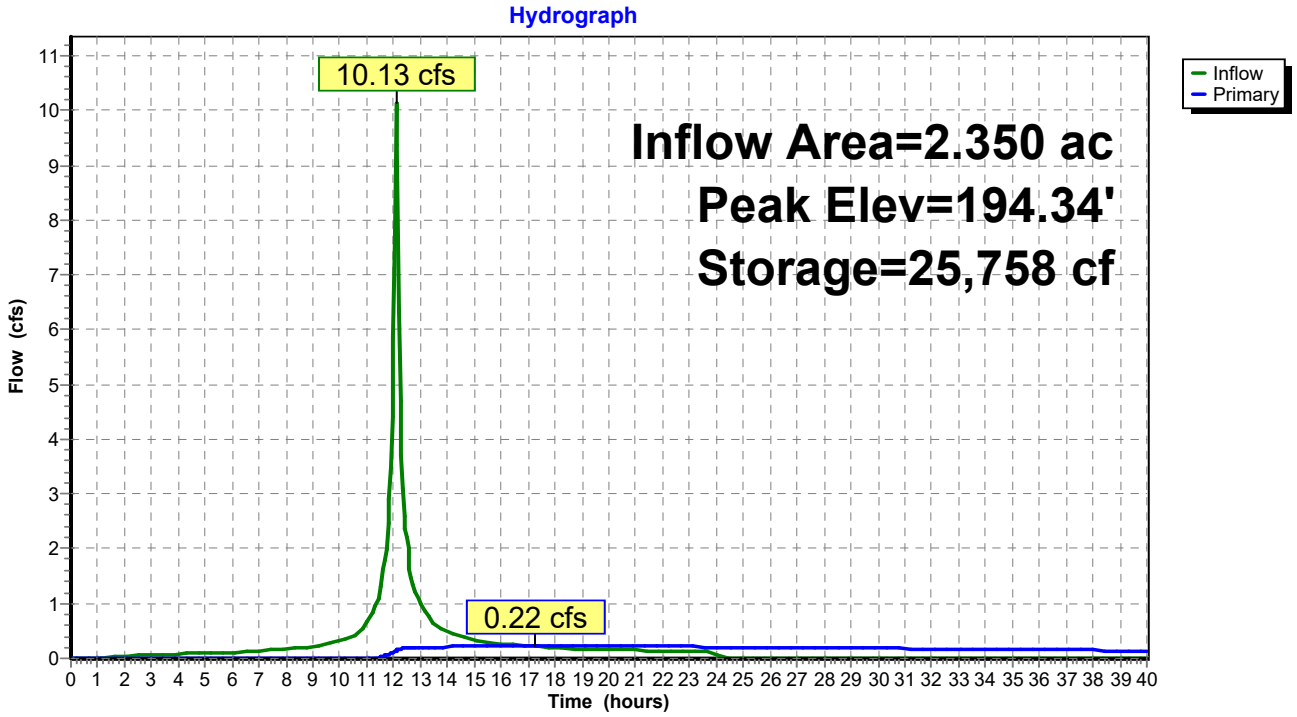
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.22 cfs @ 17.26 hrs HW=194.34' (Free Discharge)
- **1=Culvert** (Passes 0.22 cfs of 14.60 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.31 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	1	192.00	0.00
1.00	0.01	3	192.00	0.00
1.10	0.01	7	192.00	0.00
1.20	0.02	11	192.00	0.00
1.30	0.02	18	192.00	0.00
1.40	0.02	25	192.00	0.00
1.50	0.03	34	192.00	0.00
1.60	0.03	44	192.00	0.00
1.70	0.03	55	192.00	0.00
1.80	0.03	67	192.01	0.00
1.90	0.04	80	192.01	0.00
2.00	0.04	94	192.01	0.00
2.10	0.04	109	192.01	0.00
2.20	0.05	125	192.01	0.00
2.30	0.05	141	192.01	0.00
2.40	0.05	159	192.01	0.00
2.50	0.05	177	192.02	0.00
2.60	0.05	197	192.02	0.00
2.70	0.06	216	192.02	0.00
2.80	0.06	237	192.02	0.00
2.90	0.06	259	192.02	0.00
3.00	0.06	281	192.03	0.00
3.10	0.06	303	192.03	0.00
3.20	0.07	327	192.03	0.00
3.30	0.07	351	192.03	0.00
3.40	0.07	375	192.03	0.00
3.50	0.07	401	192.04	0.00
3.60	0.07	427	192.04	0.00
3.70	0.07	453	192.04	0.00
3.80	0.08	480	192.04	0.00
3.90	0.08	508	192.05	0.00
4.00	0.08	536	192.05	0.00
4.10	0.08	565	192.05	0.00
4.20	0.08	594	192.05	0.00
4.30	0.08	624	192.06	0.00
4.40	0.08	654	192.06	0.00
4.50	0.09	685	192.06	0.00
4.60	0.09	716	192.07	0.00
4.70	0.09	748	192.07	0.00
4.80	0.09	780	192.07	0.00
4.90	0.09	813	192.07	0.00
5.00	0.09	846	192.08	0.00
5.10	0.09	879	192.08	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	913	192.08	0.00
5.30	0.10	948	192.09	0.00
5.40	0.10	983	192.09	0.00
5.50	0.10	1,018	192.09	0.00
5.60	0.10	1,054	192.10	0.00
5.70	0.10	1,090	192.10	0.00
5.80	0.10	1,127	192.10	0.00
5.90	0.10	1,164	192.11	0.00
6.00	0.10	1,201	192.11	0.00
6.10	0.11	1,239	192.11	0.00
6.20	0.11	1,278	192.12	0.00
6.30	0.11	1,319	192.12	0.00
6.40	0.12	1,360	192.12	0.00
6.50	0.12	1,403	192.13	0.00
6.60	0.12	1,446	192.13	0.00
6.70	0.13	1,491	192.14	0.00
6.80	0.13	1,537	192.14	0.00
6.90	0.13	1,584	192.14	0.00
7.00	0.14	1,632	192.15	0.00
7.10	0.14	1,681	192.15	0.00
7.20	0.14	1,731	192.16	0.00
7.30	0.14	1,783	192.16	0.00
7.40	0.15	1,836	192.17	0.00
7.50	0.15	1,889	192.17	0.00
7.60	0.15	1,944	192.18	0.00
7.70	0.16	2,000	192.18	0.00
7.80	0.16	2,058	192.19	0.00
7.90	0.16	2,116	192.19	0.00
8.00	0.17	2,175	192.20	0.00
8.10	0.17	2,236	192.20	0.00
8.20	0.17	2,298	192.21	0.00
8.30	0.18	2,361	192.21	0.00
8.40	0.18	2,425	192.22	0.00
8.50	0.18	2,490	192.23	0.00
8.60	0.19	2,556	192.23	0.00
8.70	0.19	2,624	192.24	0.00
8.80	0.19	2,693	192.24	0.00
8.90	0.20	2,763	192.25	0.00
9.00	0.20	2,834	192.26	0.00
9.10	0.21	2,908	192.26	0.00
9.20	0.22	2,986	192.27	0.00
9.30	0.24	3,068	192.28	0.00
9.40	0.25	3,155	192.29	0.00
9.50	0.26	3,246	192.30	0.00
9.60	0.27	3,343	192.30	0.00
9.70	0.29	3,444	192.31	0.00
9.80	0.30	3,549	192.32	0.00
9.90	0.31	3,660	192.33	0.00
10.00	0.33	3,775	192.34	0.00
10.10	0.34	3,896	192.35	0.00
10.20	0.36	4,022	192.37	0.00
10.30	0.37	4,152	192.38	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.39	4,288	192.39	0.00
10.50	0.40	4,430	192.40	0.00
10.60	0.44	4,581	192.42	0.00
10.70	0.49	4,748	192.43	0.00
10.80	0.54	4,934	192.45	0.00
10.90	0.59	5,138	192.47	0.00
11.00	0.65	5,361	192.49	0.00
11.10	0.73	5,608	192.51	0.00
11.20	0.83	5,888	192.54	0.00
11.30	0.93	6,203	192.56	0.00
11.40	1.03	6,553	192.60	0.01
11.50	1.12	6,936	192.63	0.02
11.60	1.63	7,409	192.67	0.04
11.70	1.88	8,028	192.73	0.05
11.80	2.47	8,775	192.80	0.07
11.90	3.47	9,804	192.89	0.08
12.00	5.85	11,402	193.04	0.11
12.10	**10.01**	14,152	193.29	0.13
12.20	6.33	17,253	193.57	0.16
12.30	3.70	18,942	193.72	0.17
12.40	2.60	20,005	193.82	0.18
12.50	2.22	20,797	193.89	0.18
12.60	1.64	21,438	193.95	0.19
12.70	1.37	21,904	193.99	0.19
12.80	1.24	22,303	194.03	0.19
12.90	1.12	22,658	194.06	0.20
13.00	1.01	22,971	194.09	0.20
13.10	0.90	23,243	194.11	0.20
13.20	0.82	23,478	194.14	0.20
13.30	0.75	23,689	194.15	0.20
13.40	0.69	23,876	194.17	0.20
13.50	0.63	24,041	194.19	0.21
13.60	0.57	24,184	194.20	0.21
13.70	0.54	24,309	194.21	0.21
13.80	0.52	24,425	194.22	0.21
13.90	0.51	24,535	194.23	0.21
14.00	0.49	24,639	194.24	0.21
14.10	0.47	24,737	194.25	0.21
14.20	0.46	24,829	194.26	0.21
14.30	0.44	24,915	194.27	0.21
14.40	0.42	24,995	194.27	0.21
14.50	0.41	25,069	194.28	0.21
14.60	0.39	25,138	194.29	0.21
14.70	0.38	25,200	194.29	0.21
14.80	0.36	25,256	194.30	0.21
14.90	0.34	25,307	194.30	0.21
15.00	0.33	25,352	194.31	0.21
15.10	0.31	25,390	194.31	0.21
15.20	0.30	25,424	194.31	0.21
15.30	0.30	25,456	194.32	0.21
15.40	0.30	25,486	194.32	0.21
15.50	0.29	25,514	194.32	0.21

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.29	25,541	194.32	0.21
15.70	0.28	25,567	194.33	0.21
15.80	0.28	25,590	194.33	0.21
15.90	0.27	25,612	194.33	0.21
16.00	0.27	25,633	194.33	0.21
16.10	0.27	25,652	194.33	0.21
16.20	0.26	25,669	194.33	0.21
16.30	0.26	25,685	194.34	0.21
16.40	0.25	25,699	194.34	0.21
16.50	0.25	25,712	194.34	0.21
16.60	0.24	25,723	194.34	0.21
16.70	0.24	25,733	194.34	0.22
16.80	0.23	25,741	194.34	0.22
16.90	0.23	25,747	194.34	0.22
17.00	0.23	25,752	194.34	0.22
17.10	0.22	25,755	194.34	0.22
17.20	0.22	**25,757**	**194.34**	**0.22**
17.30	0.21	**25,757**	**194.34**	**0.22**
17.40	0.21	25,756	194.34	0.22
17.50	0.20	25,753	194.34	0.22
17.60	0.20	25,749	194.34	0.22
17.70	0.20	25,743	194.34	0.22
17.80	0.19	25,735	194.34	0.22
17.90	0.19	25,726	194.34	0.21
18.00	0.18	25,716	194.34	0.21
18.10	0.18	25,703	194.34	0.21
18.20	0.18	25,690	194.34	0.21
18.30	0.18	25,676	194.34	0.21
18.40	0.17	25,662	194.33	0.21
18.50	0.17	25,647	194.33	0.21
18.60	0.17	25,632	194.33	0.21
18.70	0.17	25,617	194.33	0.21
18.80	0.17	25,601	194.33	0.21
18.90	0.17	25,585	194.33	0.21
19.00	0.17	25,569	194.33	0.21
19.10	0.17	25,552	194.32	0.21
19.20	0.17	25,535	194.32	0.21
19.30	0.16	25,517	194.32	0.21
19.40	0.16	25,500	194.32	0.21
19.50	0.16	25,481	194.32	0.21
19.60	0.16	25,463	194.32	0.21
19.70	0.16	25,444	194.31	0.21
19.80	0.16	25,425	194.31	0.21
19.90	0.16	25,406	194.31	0.21
20.00	0.16	25,386	194.31	0.21
20.10	0.16	25,366	194.31	0.21
20.20	0.16	25,345	194.30	0.21
20.30	0.15	25,324	194.30	0.21
20.40	0.15	25,303	194.30	0.21
20.50	0.15	25,281	194.30	0.21
20.60	0.15	25,259	194.30	0.21
20.70	0.15	25,237	194.30	0.21

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	25,215	194.29	0.21
20.90	0.15	25,192	194.29	0.21
21.00	0.15	25,168	194.29	0.21
21.10	0.15	25,145	194.29	0.21
21.20	0.14	25,120	194.28	0.21
21.30	0.14	25,096	194.28	0.21
21.40	0.14	25,072	194.28	0.21
21.50	0.14	25,047	194.28	0.21
21.60	0.14	25,021	194.28	0.21
21.70	0.14	24,996	194.27	0.21
21.80	0.14	24,970	194.27	0.21
21.90	0.14	24,944	194.27	0.21
22.00	0.14	24,917	194.27	0.21
22.10	0.13	24,890	194.26	0.21
22.20	0.13	24,863	194.26	0.21
22.30	0.13	24,835	194.26	0.21
22.40	0.13	24,807	194.26	0.21
22.50	0.13	24,779	194.25	0.21
22.60	0.13	24,750	194.25	0.21
22.70	0.13	24,721	194.25	0.21
22.80	0.13	24,692	194.25	0.21
22.90	0.13	24,662	194.24	0.21
23.00	0.13	24,632	194.24	0.21
23.10	0.12	24,602	194.24	0.21
23.20	0.12	24,571	194.23	0.21
23.30	0.12	24,540	194.23	0.21
23.40	0.12	24,509	194.23	0.21
23.50	0.12	24,477	194.23	0.21
23.60	0.12	24,445	194.22	0.21
23.70	0.12	24,413	194.22	0.21
23.80	0.12	24,381	194.22	0.21
23.90	0.11	24,348	194.21	0.21
24.00	0.13	24,317	194.21	0.21
24.10	0.05	24,278	194.21	0.21
24.20	0.01	24,212	194.20	0.21
24.30	0.00	24,139	194.20	0.21
24.40	0.00	24,066	194.19	0.21
24.50	0.00	23,992	194.18	0.20
24.60	0.00	23,918	194.18	0.20
24.70	0.00	23,845	194.17	0.20
24.80	0.00	23,771	194.16	0.20
24.90	0.00	23,698	194.16	0.20
25.00	0.00	23,625	194.15	0.20
25.10	0.00	23,552	194.14	0.20
25.20	0.00	23,479	194.14	0.20
25.30	0.00	23,407	194.13	0.20
25.40	0.00	23,334	194.12	0.20
25.50	0.00	23,262	194.12	0.20
25.60	0.00	23,190	194.11	0.20
25.70	0.00	23,118	194.10	0.20
25.80	0.00	23,046	194.10	0.20
25.90	0.00	22,975	194.09	0.20

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	22,903	194.08	0.20
26.10	0.00	22,832	194.08	0.20
26.20	0.00	22,761	194.07	0.20
26.30	0.00	22,690	194.06	0.20
26.40	0.00	22,619	194.06	0.20
26.50	0.00	22,549	194.05	0.20
26.60	0.00	22,478	194.04	0.20
26.70	0.00	22,408	194.04	0.20
26.80	0.00	22,338	194.03	0.19
26.90	0.00	22,268	194.03	0.19
27.00	0.00	22,198	194.02	0.19
27.10	0.00	22,128	194.01	0.19
27.20	0.00	22,058	194.01	0.19
27.30	0.00	21,989	194.00	0.19
27.40	0.00	21,920	193.99	0.19
27.50	0.00	21,851	193.99	0.19
27.60	0.00	21,782	193.98	0.19
27.70	0.00	21,713	193.97	0.19
27.80	0.00	21,645	193.97	0.19
27.90	0.00	21,576	193.96	0.19
28.00	0.00	21,508	193.96	0.19
28.10	0.00	21,440	193.95	0.19
28.20	0.00	21,372	193.94	0.19
28.30	0.00	21,304	193.94	0.19
28.40	0.00	21,236	193.93	0.19
28.50	0.00	21,169	193.93	0.19
28.60	0.00	21,102	193.92	0.19
28.70	0.00	21,034	193.91	0.19
28.80	0.00	20,967	193.91	0.19
28.90	0.00	20,901	193.90	0.19
29.00	0.00	20,834	193.89	0.19
29.10	0.00	20,767	193.89	0.18
29.20	0.00	20,701	193.88	0.18
29.30	0.00	20,635	193.88	0.18
29.40	0.00	20,569	193.87	0.18
29.50	0.00	20,503	193.86	0.18
29.60	0.00	20,437	193.86	0.18
29.70	0.00	20,372	193.85	0.18
29.80	0.00	20,306	193.85	0.18
29.90	0.00	20,241	193.84	0.18
30.00	0.00	20,176	193.83	0.18
30.10	0.00	20,111	193.83	0.18
30.20	0.00	20,046	193.82	0.18
30.30	0.00	19,981	193.82	0.18
30.40	0.00	19,917	193.81	0.18
30.50	0.00	19,853	193.81	0.18
30.60	0.00	19,789	193.80	0.18
30.70	0.00	19,725	193.79	0.18
30.80	0.00	19,661	193.79	0.18
30.90	0.00	19,597	193.78	0.18
31.00	0.00	19,534	193.78	0.18
31.10	0.00	19,470	193.77	0.18

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	19,407	193.76	0.18
31.30	0.00	19,344	193.76	0.17
31.40	0.00	19,281	193.75	0.17
31.50	0.00	19,218	193.75	0.17
31.60	0.00	19,156	193.74	0.17
31.70	0.00	19,094	193.74	0.17
31.80	0.00	19,031	193.73	0.17
31.90	0.00	18,969	193.73	0.17
32.00	0.00	18,907	193.72	0.17
32.10	0.00	18,846	193.71	0.17
32.20	0.00	18,784	193.71	0.17
32.30	0.00	18,722	193.70	0.17
32.40	0.00	18,661	193.70	0.17
32.50	0.00	18,600	193.69	0.17
32.60	0.00	18,539	193.69	0.17
32.70	0.00	18,478	193.68	0.17
32.80	0.00	18,418	193.67	0.17
32.90	0.00	18,357	193.67	0.17
33.00	0.00	18,297	193.66	0.17
33.10	0.00	18,237	193.66	0.17
33.20	0.00	18,177	193.65	0.17
33.30	0.00	18,117	193.65	0.17
33.40	0.00	18,057	193.64	0.17
33.50	0.00	17,998	193.64	0.17
33.60	0.00	17,938	193.63	0.16
33.70	0.00	17,879	193.63	0.16
33.80	0.00	17,820	193.62	0.16
33.90	0.00	17,761	193.62	0.16
34.00	0.00	17,702	193.61	0.16
34.10	0.00	17,644	193.60	0.16
34.20	0.00	17,585	193.60	0.16
34.30	0.00	17,527	193.59	0.16
34.40	0.00	17,469	193.59	0.16
34.50	0.00	17,411	193.58	0.16
34.60	0.00	17,353	193.58	0.16
34.70	0.00	17,296	193.57	0.16
34.80	0.00	17,238	193.57	0.16
34.90	0.00	17,181	193.56	0.16
35.00	0.00	17,124	193.56	0.16
35.10	0.00	17,067	193.55	0.16
35.20	0.00	17,010	193.55	0.16
35.30	0.00	16,953	193.54	0.16
35.40	0.00	16,897	193.54	0.16
35.50	0.00	16,840	193.53	0.16
35.60	0.00	16,784	193.53	0.16
35.70	0.00	16,728	193.52	0.16
35.80	0.00	16,672	193.52	0.16
35.90	0.00	16,616	193.51	0.15
36.00	0.00	16,561	193.51	0.15
36.10	0.00	16,505	193.50	0.15
36.20	0.00	16,450	193.50	0.15
36.30	0.00	16,395	193.49	0.15

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	16,340	193.49	0.15
36.50	0.00	16,285	193.48	0.15
36.60	0.00	16,231	193.48	0.15
36.70	0.00	16,176	193.47	0.15
36.80	0.00	16,122	193.47	0.15
36.90	0.00	16,068	193.46	0.15
37.00	0.00	16,014	193.46	0.15
37.10	0.00	15,960	193.45	0.15
37.20	0.00	15,906	193.45	0.15
37.30	0.00	15,853	193.44	0.15
37.40	0.00	15,799	193.44	0.15
37.50	0.00	15,746	193.43	0.15
37.60	0.00	15,693	193.43	0.15
37.70	0.00	15,640	193.42	0.15
37.80	0.00	15,588	193.42	0.15
37.90	0.00	15,535	193.41	0.15
38.00	0.00	15,483	193.41	0.15
38.10	0.00	15,431	193.40	0.14
38.20	0.00	15,378	193.40	0.14
38.30	0.00	15,327	193.39	0.14
38.40	0.00	15,275	193.39	0.14
38.50	0.00	15,223	193.38	0.14
38.60	0.00	15,172	193.38	0.14
38.70	0.00	15,120	193.38	0.14
38.80	0.00	15,069	193.37	0.14
38.90	0.00	15,018	193.37	0.14
39.00	0.00	14,968	193.36	0.14
39.10	0.00	14,917	193.36	0.14
39.20	0.00	14,866	193.35	0.14
39.30	0.00	14,816	193.35	0.14
39.40	0.00	14,766	193.34	0.14
39.50	0.00	14,716	193.34	0.14
39.60	0.00	14,666	193.33	0.14
39.70	0.00	14,616	193.33	0.14
39.80	0.00	14,567	193.32	0.14
39.90	0.00	14,517	193.32	0.14
40.00	0.00	14,468	193.32	0.14

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0	192.52	10,996	5,718
192.01	10,996	110	192.53	10,996	5,828
192.02	10,996	220	192.54	10,996	5,938
192.03	10,996	330	192.55	10,996	6,048
192.04	10,996	440	192.56	10,996	6,158
192.05	10,996	550	192.57	10,996	6,268
192.06	10,996	660	192.58	10,996	6,378
192.07	10,996	770	192.59	10,996	6,488
192.08	10,996	880	192.60	10,996	6,598
192.09	10,996	990	192.61	10,996	6,708
192.10	10,996	1,100	192.62	10,996	6,818
192.11	10,996	1,210	192.63	10,996	6,927
192.12	10,996	1,320	192.64	10,996	7,037
192.13	10,996	1,429	192.65	10,996	7,147
192.14	10,996	1,539	192.66	10,996	7,257
192.15	10,996	1,649	192.67	10,996	7,367
192.16	10,996	1,759	192.68	10,996	7,477
192.17	10,996	1,869	192.69	10,996	7,587
192.18	10,996	1,979	192.70	10,996	7,697
192.19	10,996	2,089	192.71	10,996	7,807
192.20	10,996	2,199	192.72	10,996	7,917
192.21	10,996	2,309	192.73	10,996	8,027
192.22	10,996	2,419	192.74	10,996	8,137
192.23	10,996	2,529	192.75	10,996	8,247
192.24	10,996	2,639	192.76	10,996	8,357
192.25	10,996	2,749	192.77	10,996	8,467
192.26	10,996	2,859	192.78	10,996	8,577
192.27	10,996	2,969	192.79	10,996	8,687
192.28	10,996	3,079	192.80	10,996	8,797
192.29	10,996	3,189	192.81	10,996	8,907
192.30	10,996	3,299	192.82	10,996	9,017
192.31	10,996	3,409	192.83	10,996	9,127
192.32	10,996	3,519	192.84	10,996	9,237
192.33	10,996	3,629	192.85	10,996	9,347
192.34	10,996	3,739	192.86	10,996	9,457
192.35	10,996	3,849	192.87	10,996	9,567
192.36	10,996	3,959	192.88	10,996	9,676
192.37	10,996	4,069	192.89	10,996	9,786
192.38	10,996	4,178	192.90	10,996	9,896
192.39	10,996	4,288	192.91	10,996	10,006
192.40	10,996	4,398	192.92	10,996	10,116
192.41	10,996	4,508	192.93	10,996	10,226
192.42	10,996	4,618	192.94	10,996	10,336
192.43	10,996	4,728	192.95	10,996	10,446
192.44	10,996	4,838	192.96	10,996	10,556
192.45	10,996	4,948	192.97	10,996	10,666
192.46	10,996	5,058	192.98	10,996	10,776
192.47	10,996	5,168	192.99	10,996	10,886
192.48	10,996	5,278	193.00	10,996	10,996
192.49	10,996	5,388	193.01	10,996	11,106
192.50	10,996	5,498	193.02	10,996	11,216
192.51	10,996	5,608	193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872	194.60	10,996	28,590
194.09	10,996	22,982	194.61	10,996	28,700
194.10	10,996	23,092	194.62	10,996	28,810
194.11	10,996	23,202	194.63	10,996	28,919
194.12	10,996	23,312	194.64	10,996	29,029
194.13	10,996	23,421	194.65	10,996	29,139
194.14	10,996	23,531	194.66	10,996	29,249
194.15	10,996	23,641	194.67	10,996	29,359
194.16	10,996	23,751	194.68	10,996	29,469
194.17	10,996	23,861	194.69	10,996	29,579
194.18	10,996	23,971	194.70	10,996	29,689
194.19	10,996	24,081	194.71	10,996	29,799
194.20	10,996	24,191	194.72	10,996	29,909
194.21	10,996	24,301	194.73	10,996	30,019
194.22	10,996	24,411	194.74	10,996	30,129
194.23	10,996	24,521	194.75	10,996	30,239
194.24	10,996	24,631	194.76	10,996	30,349
194.25	10,996	24,741	194.77	10,996	30,459
194.26	10,996	24,851	194.78	10,996	30,569
194.27	10,996	24,961	194.79	10,996	30,679
194.28	10,996	25,071	194.80	10,996	30,789
194.29	10,996	25,181	194.81	10,996	30,899
194.30	10,996	25,291	194.82	10,996	31,009
194.31	10,996	25,401	194.83	10,996	31,119
194.32	10,996	25,511	194.84	10,996	31,229
194.33	10,996	25,621	194.85	10,996	31,339
194.34	10,996	25,731	194.86	10,996	31,449
194.35	10,996	25,841	194.87	10,996	31,559
194.36	10,996	25,951	194.88	10,996	31,668
194.37	10,996	26,061	194.89	10,996	31,778
194.38	10,996	26,170	194.90	10,996	31,888
194.39	10,996	26,280	194.91	10,996	31,998
194.40	10,996	26,390	194.92	10,996	32,108
194.41	10,996	26,500	194.93	10,996	32,218
194.42	10,996	26,610	194.94	10,996	32,328
194.43	10,996	26,720	194.95	10,996	32,438
194.44	10,996	26,830	194.96	10,996	32,548
194.45	10,996	26,940	194.97	10,996	32,658
194.46	10,996	27,050	194.98	10,996	32,768
194.47	10,996	27,160	194.99	10,996	32,878
194.48	10,996	27,270	195.00	10,996	32,988
194.49	10,996	27,380	195.01	10,996	33,098
194.50	10,996	27,490	195.02	10,996	33,208
194.51	10,996	27,600	195.03	10,996	33,318
194.52	10,996	27,710	195.04	10,996	33,428
194.53	10,996	27,820	195.05	10,996	33,538
194.54	10,996	27,930	195.06	10,996	33,648
194.55	10,996	28,040	195.07	10,996	33,758
194.56	10,996	28,150	195.08	10,996	33,868
194.57	10,996	28,260	195.09	10,996	33,978
194.58	10,996	28,370	195.10	10,996	34,088
194.59	10,996	28,480	195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 2.99" for Current 10 yr event
Inflow = 7.92 cfs @ 12.10 hrs, Volume= 0.535 af
Outflow = 0.20 cfs @ 16.63 hrs, Volume= 0.383 af, Atten= 97%, Lag= 271.3 min
Primary = 0.20 cfs @ 16.63 hrs, Volume= 0.383 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.85' @ 16.63 hrs Surf.Area= 8,960 sf Storage= 16,541 cf

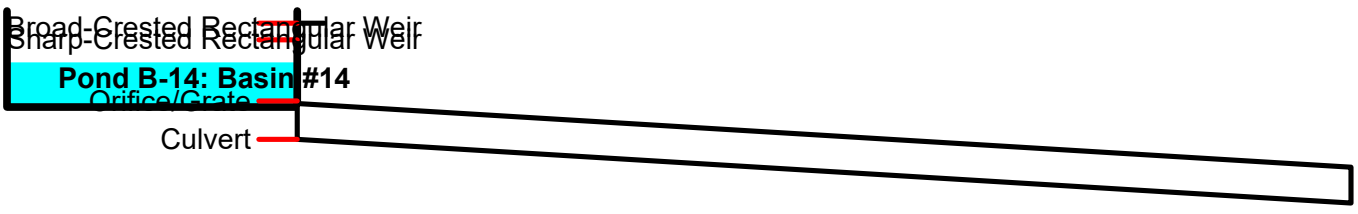
Plug-Flow detention time= 768.1 min calculated for 0.383 af (72% of inflow)
Center-of-Mass det. time= 669.3 min (1,472.9 - 803.6)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

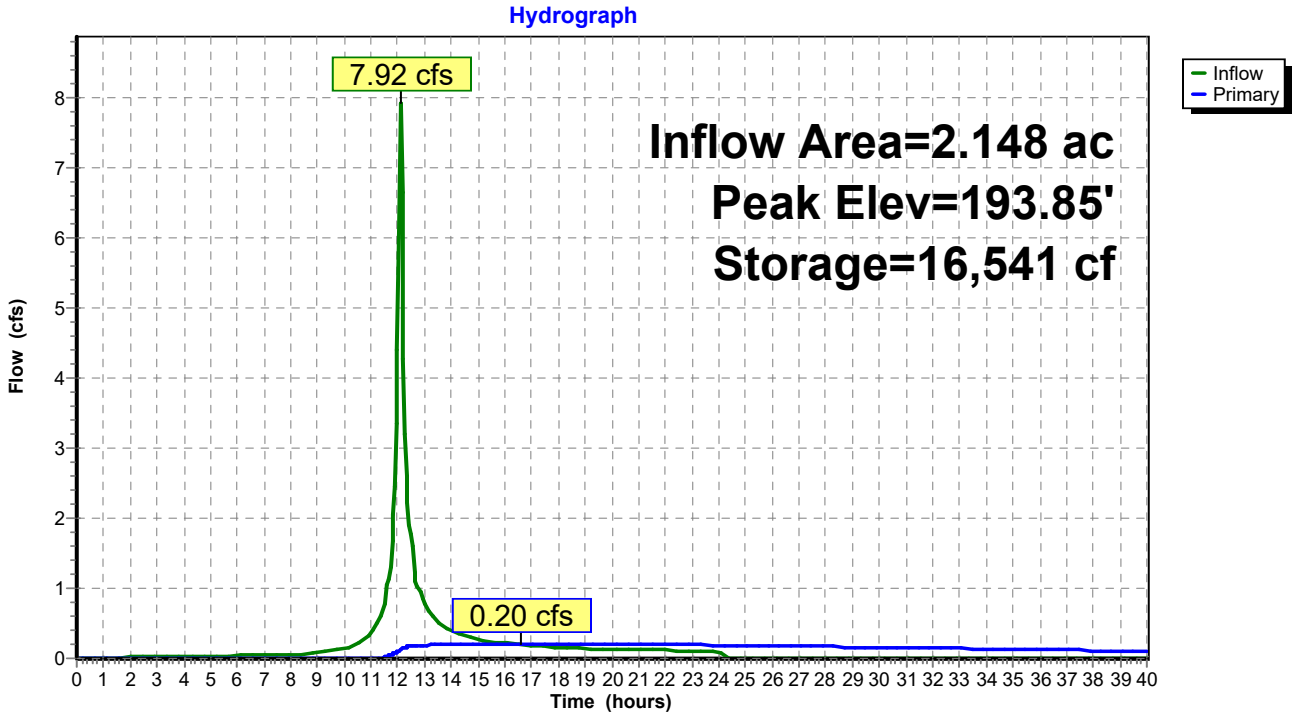
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.20 cfs @ 16.63 hrs HW=193.85' (Free Discharge)
- **1=Culvert** (Passes 0.20 cfs of 13.16 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.86 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	1	192.00	0.00
1.10	0.00	3	192.00	0.00
1.20	0.01	5	192.00	0.00
1.30	0.01	7	192.00	0.00
1.40	0.01	10	192.00	0.00
1.50	0.01	13	192.00	0.00
1.60	0.01	16	192.00	0.00
1.70	0.01	20	192.00	0.00
1.80	0.01	24	192.00	0.00
1.90	0.01	29	192.00	0.00
2.00	0.01	34	192.00	0.00
2.10	0.02	39	192.00	0.00
2.20	0.02	45	192.00	0.00
2.30	0.02	51	192.01	0.00
2.40	0.02	57	192.01	0.00
2.50	0.02	63	192.01	0.00
2.60	0.02	70	192.01	0.00
2.70	0.02	77	192.01	0.00
2.80	0.02	84	192.01	0.00
2.90	0.02	92	192.01	0.00
3.00	0.02	99	192.01	0.00
3.10	0.02	107	192.01	0.00
3.20	0.02	115	192.01	0.00
3.30	0.02	124	192.01	0.00
3.40	0.02	132	192.01	0.00
3.50	0.02	141	192.02	0.00
3.60	0.03	150	192.02	0.00
3.70	0.03	160	192.02	0.00
3.80	0.03	169	192.02	0.00
3.90	0.03	179	192.02	0.00
4.00	0.03	188	192.02	0.00
4.10	0.03	198	192.02	0.00
4.20	0.03	209	192.02	0.00
4.30	0.03	219	192.02	0.00
4.40	0.03	229	192.03	0.00
4.50	0.03	240	192.03	0.00
4.60	0.03	251	192.03	0.00
4.70	0.03	262	192.03	0.00
4.80	0.03	273	192.03	0.00
4.90	0.03	285	192.03	0.00
5.00	0.03	296	192.03	0.00
5.10	0.03	308	192.03	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	320	192.04	0.00
5.30	0.03	332	192.04	0.00
5.40	0.03	344	192.04	0.00
5.50	0.03	356	192.04	0.00
5.60	0.03	368	192.04	0.00
5.70	0.04	381	192.04	0.00
5.80	0.04	394	192.04	0.00
5.90	0.04	407	192.05	0.00
6.00	0.04	420	192.05	0.00
6.10	0.04	433	192.05	0.00
6.20	0.04	447	192.05	0.00
6.30	0.04	461	192.05	0.00
6.40	0.04	475	192.05	0.00
6.50	0.04	490	192.05	0.00
6.60	0.04	505	192.06	0.00
6.70	0.04	521	192.06	0.00
6.80	0.04	537	192.06	0.00
6.90	0.05	553	192.06	0.00
7.00	0.05	570	192.06	0.00
7.10	0.05	587	192.07	0.00
7.20	0.05	605	192.07	0.00
7.30	0.05	622	192.07	0.00
7.40	0.05	641	192.07	0.00
7.50	0.05	660	192.07	0.00
7.60	0.05	679	192.08	0.00
7.70	0.05	698	192.08	0.00
7.80	0.06	718	192.08	0.00
7.90	0.06	738	192.08	0.00
8.00	0.06	759	192.08	0.00
8.10	0.06	780	192.09	0.00
8.20	0.06	802	192.09	0.00
8.30	0.06	824	192.09	0.00
8.40	0.06	846	192.09	0.00
8.50	0.06	869	192.10	0.00
8.60	0.06	892	192.10	0.00
8.70	0.07	915	192.10	0.00
8.80	0.07	939	192.10	0.00
8.90	0.07	964	192.11	0.00
9.00	0.07	989	192.11	0.00
9.10	0.08	1,017	192.11	0.00
9.20	0.08	1,046	192.12	0.00
9.30	0.09	1,078	192.12	0.00
9.40	0.10	1,112	192.12	0.00
9.50	0.11	1,148	192.13	0.00
9.60	0.11	1,188	192.13	0.00
9.70	0.12	1,230	192.14	0.00
9.80	0.13	1,275	192.14	0.00
9.90	0.14	1,323	192.15	0.00
10.00	0.15	1,374	192.15	0.00
10.10	0.15	1,428	192.16	0.00
10.20	0.16	1,485	192.17	0.00
10.30	0.17	1,546	192.17	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.18	1,611	192.18	0.00
10.50	0.20	1,679	192.19	0.00
10.60	0.22	1,755	192.20	0.00
10.70	0.25	1,840	192.21	0.00
10.80	0.28	1,935	192.22	0.00
10.90	0.31	2,043	192.23	0.00
11.00	0.35	2,162	192.24	0.00
11.10	0.41	2,298	192.26	0.00
11.20	0.47	2,456	192.27	0.00
11.30	0.54	2,637	192.29	0.00
11.40	0.61	2,842	192.32	0.01
11.50	0.68	3,071	192.34	0.01
11.60	1.04	3,373	192.38	0.02
11.70	1.20	3,767	192.42	0.04
11.80	1.67	4,265	192.48	0.05
11.90	2.45	4,980	192.56	0.07
12.00	4.40	6,170	192.69	0.09
12.10	**7.91**	8,334	192.93	0.12
12.20	4.28	10,580	193.18	0.15
12.30	2.61	11,718	193.31	0.16
12.40	1.90	12,464	193.39	0.17
12.50	1.71	13,047	193.46	0.17
12.60	1.22	13,517	193.51	0.18
12.70	1.06	13,858	193.55	0.18
12.80	0.97	14,159	193.58	0.18
12.90	0.88	14,427	193.61	0.18
13.00	0.79	14,663	193.64	0.19
13.10	0.70	14,866	193.66	0.19
13.20	0.65	15,041	193.68	0.19
13.30	0.60	15,198	193.70	0.19
13.40	0.55	15,337	193.71	0.19
13.50	0.50	15,458	193.73	0.19
13.60	0.45	15,561	193.74	0.19
13.70	0.43	15,651	193.75	0.19
13.80	0.42	15,735	193.76	0.19
13.90	0.41	15,814	193.76	0.19
14.00	0.40	15,889	193.77	0.19
14.10	0.38	15,959	193.78	0.20
14.20	0.37	16,024	193.79	0.20
14.30	0.36	16,085	193.80	0.20
14.40	0.34	16,140	193.80	0.20
14.50	0.33	16,191	193.81	0.20
14.60	0.32	16,237	193.81	0.20
14.70	0.31	16,279	193.82	0.20
14.80	0.29	16,315	193.82	0.20
14.90	0.28	16,347	193.82	0.20
15.00	0.27	16,374	193.83	0.20
15.10	0.25	16,396	193.83	0.20
15.20	0.25	16,415	193.83	0.20
15.30	0.24	16,432	193.83	0.20
15.40	0.24	16,448	193.84	0.20
15.50	0.24	16,462	193.84	0.20

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.24	16,476	193.84	0.20
15.70	0.23	16,488	193.84	0.20
15.80	0.23	16,499	193.84	0.20
15.90	0.22	16,508	193.84	0.20
16.00	0.22	16,517	193.84	0.20
16.10	0.22	16,524	193.84	0.20
16.20	0.21	16,530	193.84	0.20
16.30	0.21	16,534	193.85	0.20
16.40	0.21	16,538	193.85	0.20
16.50	0.20	16,540	193.85	0.20
16.60	0.20	**16,541**	**193.85**	**0.20**
16.70	0.20	**16,540**	**193.85**	**0.20**
16.80	0.19	16,539	193.85	0.20
16.90	0.19	16,536	193.85	0.20
17.00	0.19	16,532	193.85	0.20
17.10	0.18	16,526	193.84	0.20
17.20	0.18	16,520	193.84	0.20
17.30	0.18	16,512	193.84	0.20
17.40	0.17	16,503	193.84	0.20
17.50	0.17	16,492	193.84	0.20
17.60	0.17	16,481	193.84	0.20
17.70	0.16	16,468	193.84	0.20
17.80	0.16	16,454	193.84	0.20
17.90	0.15	16,439	193.83	0.20
18.00	0.15	16,422	193.83	0.20
18.10	0.15	16,405	193.83	0.20
18.20	0.15	16,386	193.83	0.20
18.30	0.15	16,367	193.83	0.20
18.40	0.14	16,348	193.82	0.20
18.50	0.14	16,328	193.82	0.20
18.60	0.14	16,308	193.82	0.20
18.70	0.14	16,288	193.82	0.20
18.80	0.14	16,268	193.82	0.20
18.90	0.14	16,248	193.81	0.20
19.00	0.14	16,227	193.81	0.20
19.10	0.14	16,206	193.81	0.20
19.20	0.14	16,185	193.81	0.20
19.30	0.14	16,163	193.80	0.20
19.40	0.14	16,142	193.80	0.20
19.50	0.14	16,120	193.80	0.20
19.60	0.13	16,097	193.80	0.20
19.70	0.13	16,075	193.79	0.20
19.80	0.13	16,052	193.79	0.20
19.90	0.13	16,029	193.79	0.20
20.00	0.13	16,006	193.79	0.20
20.10	0.13	15,983	193.78	0.20
20.20	0.13	15,959	193.78	0.20
20.30	0.13	15,935	193.78	0.20
20.40	0.13	15,911	193.78	0.20
20.50	0.13	15,886	193.77	0.19
20.60	0.13	15,861	193.77	0.19
20.70	0.12	15,837	193.77	0.19

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.12	15,811	193.76	0.19
20.90	0.12	15,786	193.76	0.19
21.00	0.12	15,760	193.76	0.19
21.10	0.12	15,734	193.76	0.19
21.20	0.12	15,708	193.75	0.19
21.30	0.12	15,682	193.75	0.19
21.40	0.12	15,655	193.75	0.19
21.50	0.12	15,628	193.74	0.19
21.60	0.12	15,601	193.74	0.19
21.70	0.12	15,574	193.74	0.19
21.80	0.12	15,546	193.74	0.19
21.90	0.11	15,518	193.73	0.19
22.00	0.11	15,490	193.73	0.19
22.10	0.11	15,462	193.73	0.19
22.20	0.11	15,433	193.72	0.19
22.30	0.11	15,404	193.72	0.19
22.40	0.11	15,375	193.72	0.19
22.50	0.11	15,346	193.71	0.19
22.60	0.11	15,316	193.71	0.19
22.70	0.11	15,287	193.71	0.19
22.80	0.11	15,257	193.70	0.19
22.90	0.11	15,226	193.70	0.19
23.00	0.10	15,196	193.70	0.19
23.10	0.10	15,165	193.69	0.19
23.20	0.10	15,134	193.69	0.19
23.30	0.10	15,103	193.69	0.19
23.40	0.10	15,072	193.68	0.19
23.50	0.10	15,040	193.68	0.19
23.60	0.10	15,008	193.68	0.19
23.70	0.10	14,976	193.67	0.19
23.80	0.10	14,944	193.67	0.19
23.90	0.10	14,911	193.66	0.19
24.00	0.11	14,881	193.66	0.19
24.10	0.02	14,841	193.66	0.19
24.20	0.00	14,777	193.65	0.19
24.30	0.00	14,710	193.64	0.19
24.40	0.00	14,643	193.63	0.18
24.50	0.00	14,577	193.63	0.18
24.60	0.00	14,511	193.62	0.18
24.70	0.00	14,445	193.61	0.18
24.80	0.00	14,379	193.60	0.18
24.90	0.00	14,313	193.60	0.18
25.00	0.00	14,247	193.59	0.18
25.10	0.00	14,182	193.58	0.18
25.20	0.00	14,117	193.58	0.18
25.30	0.00	14,052	193.57	0.18
25.40	0.00	13,987	193.56	0.18
25.50	0.00	13,923	193.55	0.18
25.60	0.00	13,858	193.55	0.18
25.70	0.00	13,794	193.54	0.18
25.80	0.00	13,730	193.53	0.18
25.90	0.00	13,667	193.53	0.18

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,603	193.52	0.18
26.10	0.00	13,540	193.51	0.18
26.20	0.00	13,476	193.50	0.18
26.30	0.00	13,413	193.50	0.17
26.40	0.00	13,351	193.49	0.17
26.50	0.00	13,288	193.48	0.17
26.60	0.00	13,226	193.48	0.17
26.70	0.00	13,163	193.47	0.17
26.80	0.00	13,101	193.46	0.17
26.90	0.00	13,040	193.46	0.17
27.00	0.00	12,978	193.45	0.17
27.10	0.00	12,917	193.44	0.17
27.20	0.00	12,855	193.43	0.17
27.30	0.00	12,794	193.43	0.17
27.40	0.00	12,733	193.42	0.17
27.50	0.00	12,673	193.41	0.17
27.60	0.00	12,612	193.41	0.17
27.70	0.00	12,552	193.40	0.17
27.80	0.00	12,492	193.39	0.17
27.90	0.00	12,432	193.39	0.17
28.00	0.00	12,372	193.38	0.17
28.10	0.00	12,313	193.37	0.16
28.20	0.00	12,254	193.37	0.16
28.30	0.00	12,195	193.36	0.16
28.40	0.00	12,136	193.35	0.16
28.50	0.00	12,077	193.35	0.16
28.60	0.00	12,018	193.34	0.16
28.70	0.00	11,960	193.33	0.16
28.80	0.00	11,902	193.33	0.16
28.90	0.00	11,844	193.32	0.16
29.00	0.00	11,786	193.32	0.16
29.10	0.00	11,729	193.31	0.16
29.20	0.00	11,672	193.30	0.16
29.30	0.00	11,614	193.30	0.16
29.40	0.00	11,557	193.29	0.16
29.50	0.00	11,501	193.28	0.16
29.60	0.00	11,444	193.28	0.16
29.70	0.00	11,388	193.27	0.16
29.80	0.00	11,332	193.26	0.16
29.90	0.00	11,276	193.26	0.16
30.00	0.00	11,220	193.25	0.15
30.10	0.00	11,164	193.25	0.15
30.20	0.00	11,109	193.24	0.15
30.30	0.00	11,054	193.23	0.15
30.40	0.00	10,999	193.23	0.15
30.50	0.00	10,944	193.22	0.15
30.60	0.00	10,889	193.22	0.15
30.70	0.00	10,835	193.21	0.15
30.80	0.00	10,781	193.20	0.15
30.90	0.00	10,727	193.20	0.15
31.00	0.00	10,673	193.19	0.15
31.10	0.00	10,619	193.19	0.15

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,566	193.18	0.15
31.30	0.00	10,512	193.17	0.15
31.40	0.00	10,459	193.17	0.15
31.50	0.00	10,407	193.16	0.15
31.60	0.00	10,354	193.16	0.15
31.70	0.00	10,301	193.15	0.15
31.80	0.00	10,249	193.14	0.14
31.90	0.00	10,197	193.14	0.14
32.00	0.00	10,145	193.13	0.14
32.10	0.00	10,094	193.13	0.14
32.20	0.00	10,042	193.12	0.14
32.30	0.00	9,991	193.12	0.14
32.40	0.00	9,940	193.11	0.14
32.50	0.00	9,889	193.10	0.14
32.60	0.00	9,838	193.10	0.14
32.70	0.00	9,787	193.09	0.14
32.80	0.00	9,737	193.09	0.14
32.90	0.00	9,687	193.08	0.14
33.00	0.00	9,637	193.08	0.14
33.10	0.00	9,587	193.07	0.14
33.20	0.00	9,538	193.06	0.14
33.30	0.00	9,488	193.06	0.14
33.40	0.00	9,439	193.05	0.14
33.50	0.00	9,390	193.05	0.14
33.60	0.00	9,342	193.04	0.14
33.70	0.00	9,293	193.04	0.13
33.80	0.00	9,245	193.03	0.13
33.90	0.00	9,196	193.03	0.13
34.00	0.00	9,149	193.02	0.13
34.10	0.00	9,101	193.02	0.13
34.20	0.00	9,053	193.01	0.13
34.30	0.00	9,006	193.01	0.13
34.40	0.00	8,959	193.00	0.13
34.50	0.00	8,912	192.99	0.13
34.60	0.00	8,865	192.99	0.13
34.70	0.00	8,818	192.98	0.13
34.80	0.00	8,772	192.98	0.13
34.90	0.00	8,725	192.97	0.13
35.00	0.00	8,679	192.97	0.13
35.10	0.00	8,634	192.96	0.13
35.20	0.00	8,588	192.96	0.13
35.30	0.00	8,542	192.95	0.13
35.40	0.00	8,497	192.95	0.13
35.50	0.00	8,452	192.94	0.12
35.60	0.00	8,407	192.94	0.12
35.70	0.00	8,363	192.93	0.12
35.80	0.00	8,318	192.93	0.12
35.90	0.00	8,274	192.92	0.12
36.00	0.00	8,230	192.92	0.12
36.10	0.00	8,186	192.91	0.12
36.20	0.00	8,142	192.91	0.12
36.30	0.00	8,099	192.90	0.12

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,055	192.90	0.12
36.50	0.00	8,012	192.89	0.12
36.60	0.00	7,969	192.89	0.12
36.70	0.00	7,927	192.88	0.12
36.80	0.00	7,884	192.88	0.12
36.90	0.00	7,842	192.88	0.12
37.00	0.00	7,800	192.87	0.12
37.10	0.00	7,758	192.87	0.12
37.20	0.00	7,716	192.86	0.12
37.30	0.00	7,674	192.86	0.12
37.40	0.00	7,633	192.85	0.11
37.50	0.00	7,592	192.85	0.11
37.60	0.00	7,551	192.84	0.11
37.70	0.00	7,510	192.84	0.11
37.80	0.00	7,470	192.83	0.11
37.90	0.00	7,429	192.83	0.11
38.00	0.00	7,389	192.82	0.11
38.10	0.00	7,349	192.82	0.11
38.20	0.00	7,309	192.82	0.11
38.30	0.00	7,270	192.81	0.11
38.40	0.00	7,230	192.81	0.11
38.50	0.00	7,191	192.80	0.11
38.60	0.00	7,152	192.80	0.11
38.70	0.00	7,113	192.79	0.11
38.80	0.00	7,074	192.79	0.11
38.90	0.00	7,036	192.79	0.11
39.00	0.00	6,998	192.78	0.11
39.10	0.00	6,960	192.78	0.11
39.20	0.00	6,922	192.77	0.10
39.30	0.00	6,884	192.77	0.10
39.40	0.00	6,847	192.76	0.10
39.50	0.00	6,810	192.76	0.10
39.60	0.00	6,772	192.76	0.10
39.70	0.00	6,736	192.75	0.10
39.80	0.00	6,699	192.75	0.10
39.90	0.00	6,662	192.74	0.10
40.00	0.00	6,626	192.74	0.10

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 3.84" for Current 10 yr event
Inflow = 11.00 cfs @ 12.09 hrs, Volume= 0.756 af
Outflow = 3.52 cfs @ 12.27 hrs, Volume= 0.593 af, Atten= 68%, Lag= 11.1 min
Primary = 3.52 cfs @ 12.27 hrs, Volume= 0.593 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 198.41' @ 12.27 hrs Surf.Area= 7,058 sf Storage= 16,984 cf

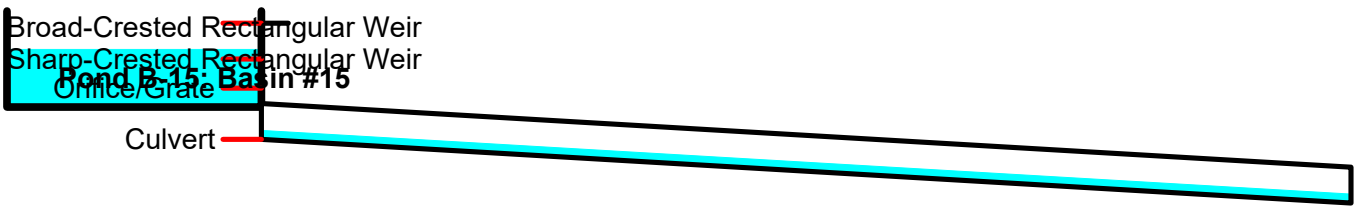
Plug-Flow detention time= 453.8 min calculated for 0.592 af (78% of inflow)
Center-of-Mass det. time= 369.7 min (1,139.5 - 769.8)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

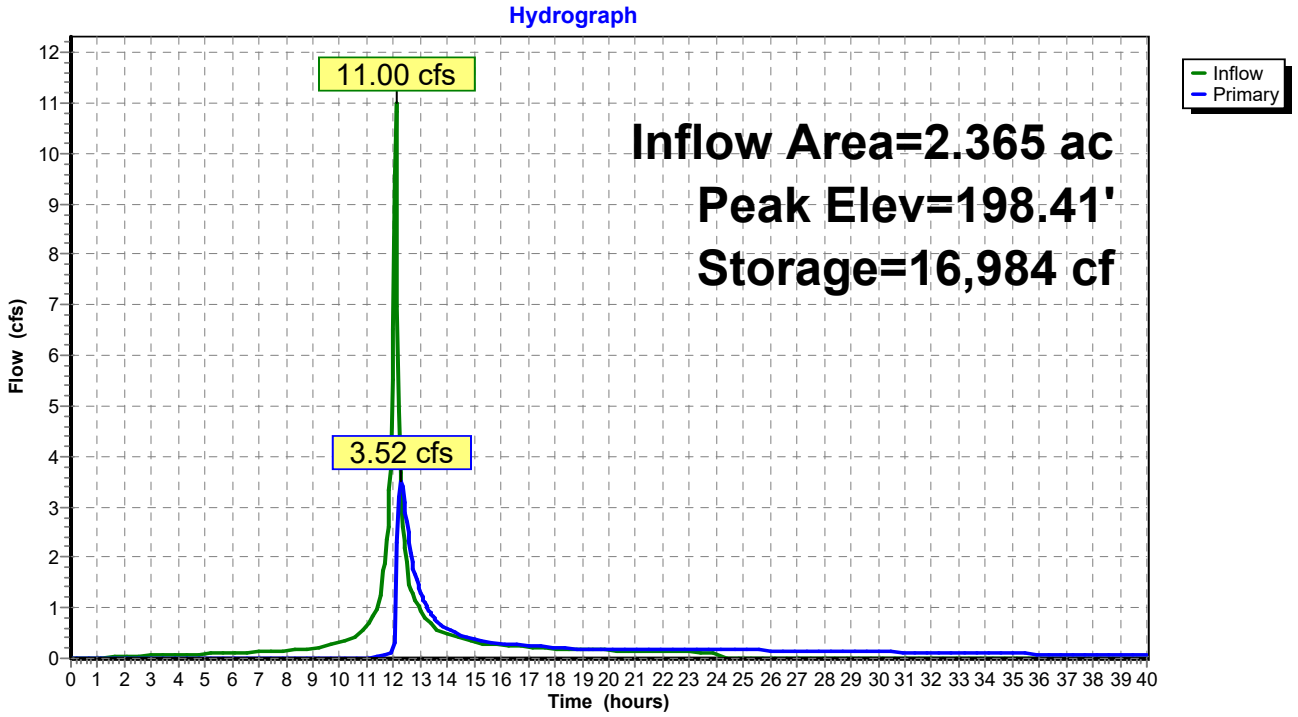
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=3.48 cfs @ 12.27 hrs HW=198.40' (Free Discharge)
- **1=Culvert** (Passes 3.48 cfs of 13.75 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.93 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 3.28 cfs @ 2.08 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.00	0	196.00	0.00
0.50	0.00	0	196.00	0.00
0.60	0.00	0	196.00	0.00
0.70	0.00	0	196.00	0.00
0.80	0.00	0	196.00	0.00
0.90	0.01	1	196.00	0.00
1.00	0.01	4	196.00	0.00
1.10	0.01	8	196.00	0.00
1.20	0.02	13	196.00	0.00
1.30	0.02	19	196.00	0.00
1.40	0.02	27	196.00	0.00
1.50	0.03	36	196.01	0.00
1.60	0.03	45	196.01	0.00
1.70	0.03	56	196.01	0.00
1.80	0.03	68	196.01	0.00
1.90	0.04	80	196.01	0.00
2.00	0.04	94	196.01	0.00
2.10	0.04	109	196.02	0.00
2.20	0.04	124	196.02	0.00
2.30	0.05	140	196.02	0.00
2.40	0.05	157	196.02	0.00
2.50	0.05	175	196.02	0.00
2.60	0.05	193	196.03	0.00
2.70	0.05	212	196.03	0.00
2.80	0.06	232	196.03	0.00
2.90	0.06	252	196.04	0.00
3.00	0.06	274	196.04	0.00
3.10	0.06	295	196.04	0.00
3.20	0.06	318	196.05	0.00
3.30	0.06	341	196.05	0.00
3.40	0.07	364	196.05	0.00
3.50	0.07	389	196.06	0.00
3.60	0.07	413	196.06	0.00
3.70	0.07	439	196.06	0.00
3.80	0.07	464	196.07	0.00
3.90	0.07	491	196.07	0.00
4.00	0.08	518	196.07	0.00
4.10	0.08	545	196.08	0.00
4.20	0.08	573	196.08	0.00
4.30	0.08	601	196.09	0.00
4.40	0.08	630	196.09	0.00
4.50	0.08	659	196.09	0.00
4.60	0.08	689	196.10	0.00
4.70	0.08	719	196.10	0.00
4.80	0.09	750	196.11	0.00
4.90	0.09	781	196.11	0.00
5.00	0.09	813	196.12	0.00
5.10	0.09	845	196.12	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.09	877	196.12	0.00
5.30	0.09	910	196.13	0.00
5.40	0.09	943	196.13	0.00
5.50	0.09	977	196.14	0.00
5.60	0.09	1,011	196.14	0.00
5.70	0.10	1,045	196.15	0.00
5.80	0.10	1,080	196.15	0.00
5.90	0.10	1,115	196.16	0.00
6.00	0.10	1,151	196.16	0.00
6.10	0.10	1,187	196.17	0.00
6.20	0.11	1,224	196.17	0.00
6.30	0.11	1,263	196.18	0.00
6.40	0.11	1,303	196.18	0.00
6.50	0.11	1,343	196.19	0.00
6.60	0.12	1,385	196.20	0.00
6.70	0.12	1,428	196.20	0.00
6.80	0.12	1,471	196.21	0.00
6.90	0.13	1,516	196.21	0.00
7.00	0.13	1,562	196.22	0.00
7.10	0.13	1,609	196.23	0.00
7.20	0.13	1,657	196.23	0.00
7.30	0.14	1,706	196.24	0.00
7.40	0.14	1,757	196.25	0.00
7.50	0.14	1,808	196.26	0.00
7.60	0.15	1,860	196.26	0.00
7.70	0.15	1,914	196.27	0.00
7.80	0.15	1,968	196.28	0.00
7.90	0.16	2,024	196.29	0.00
8.00	0.16	2,081	196.29	0.00
8.10	0.16	2,139	196.30	0.00
8.20	0.17	2,198	196.31	0.00
8.30	0.17	2,258	196.32	0.00
8.40	0.17	2,319	196.33	0.00
8.50	0.17	2,381	196.34	0.00
8.60	0.18	2,444	196.35	0.00
8.70	0.18	2,508	196.36	0.00
8.80	0.18	2,574	196.36	0.00
8.90	0.19	2,640	196.37	0.00
9.00	0.19	2,709	196.38	0.00
9.10	0.20	2,780	196.39	0.00
9.20	0.21	2,856	196.40	0.00
9.30	0.23	2,936	196.42	0.00
9.40	0.24	3,020	196.43	0.00
9.50	0.25	3,109	196.44	0.00
9.60	0.26	3,202	196.45	0.00
9.70	0.28	3,300	196.47	0.00
9.80	0.29	3,403	196.48	0.00
9.90	0.30	3,510	196.50	0.00
10.00	0.32	3,622	196.51	0.00
10.10	0.33	3,739	196.53	0.00
10.20	0.35	3,862	196.55	0.00
10.30	0.36	3,989	196.57	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.37	4,122	196.58	0.00
10.50	0.39	4,259	196.60	0.00
10.60	0.44	4,410	196.62	0.00
10.70	0.48	4,577	196.65	0.00
10.80	0.54	4,763	196.67	0.00
10.90	0.59	4,966	196.70	0.00
11.00	0.64	5,189	196.74	0.00
11.10	0.73	5,439	196.77	0.00
11.20	0.83	5,723	196.81	0.00
11.30	0.93	6,040	196.86	0.01
11.40	1.03	6,389	196.91	0.03
11.50	1.13	6,767	196.96	0.04
11.60	1.72	7,282	197.03	0.06
11.70	1.90	7,910	197.12	0.08
11.80	2.61	8,709	197.23	0.10
11.90	3.74	9,839	197.39	0.12
12.00	6.53	11,710	197.66	0.14
12.10	**10.84**	14,885	198.11	0.65
12.20	4.89	**16,796**	**198.38**	**3.21**
12.30	3.19	**16,958**	**198.40**	**3.48**
12.40	2.33	16,733	198.37	3.10
12.50	2.12	16,486	198.34	2.70
12.60	1.46	16,214	198.30	2.29
12.70	1.31	15,955	198.26	1.91
12.80	1.20	15,763	198.23	1.65
12.90	1.08	15,612	198.21	1.46
13.00	0.97	15,485	198.19	1.30
13.10	0.86	15,369	198.18	1.16
13.20	0.79	15,269	198.16	1.04
13.30	0.73	15,183	198.15	0.95
13.40	0.67	15,107	198.14	0.87
13.50	0.61	15,035	198.13	0.80
13.60	0.55	14,968	198.12	0.73
13.70	0.53	14,910	198.11	0.68
13.80	0.51	14,862	198.11	0.63
13.90	0.50	14,822	198.10	0.60
14.00	0.48	14,788	198.10	0.57
14.10	0.47	14,758	198.09	0.54
14.20	0.45	14,732	198.09	0.52
14.30	0.43	14,708	198.08	0.50
14.40	0.42	14,685	198.08	0.48
14.50	0.40	14,663	198.08	0.46
14.60	0.39	14,641	198.07	0.45
14.70	0.37	14,619	198.07	0.43
14.80	0.36	14,596	198.07	0.42
14.90	0.34	14,574	198.06	0.40
15.00	0.32	14,551	198.06	0.39
15.10	0.31	14,528	198.06	0.37
15.20	0.30	14,507	198.06	0.36
15.30	0.30	14,488	198.05	0.34
15.40	0.29	14,473	198.05	0.33
15.50	0.29	14,460	198.05	0.32

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.28	14,448	198.05	0.31
15.70	0.28	14,437	198.05	0.31
15.80	0.28	14,427	198.04	0.30
15.90	0.27	14,419	198.04	0.29
16.00	0.27	14,410	198.04	0.29
16.10	0.26	14,403	198.04	0.28
16.20	0.26	14,395	198.04	0.28
16.30	0.25	14,387	198.04	0.28
16.40	0.25	14,379	198.04	0.27
16.50	0.25	14,370	198.04	0.27
16.60	0.24	14,361	198.03	0.27
16.70	0.24	14,352	198.03	0.26
16.80	0.23	14,342	198.03	0.26
16.90	0.23	14,333	198.03	0.26
17.00	0.22	14,323	198.03	0.25
17.10	0.22	14,313	198.03	0.25
17.20	0.22	14,303	198.03	0.24
17.30	0.21	14,292	198.02	0.24
17.40	0.21	14,281	198.02	0.24
17.50	0.20	14,271	198.02	0.23
17.60	0.20	14,260	198.02	0.23
17.70	0.19	14,249	198.02	0.22
17.80	0.19	14,239	198.02	0.22
17.90	0.19	14,228	198.02	0.22
18.00	0.18	14,217	198.01	0.21
18.10	0.18	14,206	198.01	0.21
18.20	0.18	14,195	198.01	0.20
18.30	0.17	14,186	198.01	0.20
18.40	0.17	14,177	198.01	0.20
18.50	0.17	14,169	198.01	0.19
18.60	0.17	14,162	198.01	0.19
18.70	0.17	14,155	198.01	0.19
18.80	0.17	14,149	198.00	0.19
18.90	0.17	14,143	198.00	0.18
19.00	0.17	14,138	198.00	0.18
19.10	0.17	14,133	198.00	0.18
19.20	0.17	14,128	198.00	0.18
19.30	0.16	14,123	198.00	0.18
19.40	0.16	14,119	198.00	0.17
19.50	0.16	14,115	198.00	0.17
19.60	0.16	14,111	198.00	0.17
19.70	0.16	14,106	198.00	0.17
19.80	0.16	14,101	198.00	0.17
19.90	0.16	14,096	198.00	0.17
20.00	0.16	14,090	198.00	0.17
20.10	0.16	14,084	198.00	0.17
20.20	0.15	14,078	197.99	0.17
20.30	0.15	14,071	197.99	0.17
20.40	0.15	14,063	197.99	0.17
20.50	0.15	14,056	197.99	0.17
20.60	0.15	14,048	197.99	0.17
20.70	0.15	14,040	197.99	0.17

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	14,031	197.99	0.17
20.90	0.15	14,022	197.99	0.17
21.00	0.15	14,013	197.99	0.17
21.10	0.14	14,003	197.98	0.17
21.20	0.14	13,993	197.98	0.17
21.30	0.14	13,983	197.98	0.17
21.40	0.14	13,972	197.98	0.17
21.50	0.14	13,961	197.98	0.17
21.60	0.14	13,950	197.98	0.17
21.70	0.14	13,938	197.97	0.17
21.80	0.14	13,926	197.97	0.17
21.90	0.14	13,914	197.97	0.17
22.00	0.14	13,901	197.97	0.17
22.10	0.13	13,888	197.97	0.17
22.20	0.13	13,875	197.97	0.17
22.30	0.13	13,861	197.96	0.17
22.40	0.13	13,847	197.96	0.17
22.50	0.13	13,832	197.96	0.17
22.60	0.13	13,818	197.96	0.17
22.70	0.13	13,803	197.96	0.17
22.80	0.13	13,787	197.95	0.17
22.90	0.13	13,771	197.95	0.17
23.00	0.13	13,756	197.95	0.17
23.10	0.12	13,739	197.95	0.17
23.20	0.12	13,722	197.94	0.17
23.30	0.12	13,705	197.94	0.17
23.40	0.12	13,688	197.94	0.17
23.50	0.12	13,670	197.94	0.17
23.60	0.12	13,652	197.93	0.17
23.70	0.12	13,634	197.93	0.17
23.80	0.12	13,616	197.93	0.17
23.90	0.12	13,597	197.93	0.17
24.00	0.13	13,582	197.92	0.17
24.10	0.02	13,547	197.92	0.17
24.20	0.00	13,489	197.91	0.17
24.30	0.00	13,430	197.90	0.17
24.40	0.00	13,370	197.89	0.16
24.50	0.00	13,311	197.89	0.16
24.60	0.00	13,252	197.88	0.16
24.70	0.00	13,193	197.87	0.16
24.80	0.00	13,135	197.86	0.16
24.90	0.00	13,076	197.85	0.16
25.00	0.00	13,018	197.84	0.16
25.10	0.00	12,961	197.84	0.16
25.20	0.00	12,903	197.83	0.16
25.30	0.00	12,846	197.82	0.16
25.40	0.00	12,789	197.81	0.16
25.50	0.00	12,732	197.80	0.16
25.60	0.00	12,675	197.80	0.16
25.70	0.00	12,619	197.79	0.16
25.80	0.00	12,563	197.78	0.16
25.90	0.00	12,507	197.77	0.15

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,452	197.76	0.15
26.10	0.00	12,396	197.76	0.15
26.20	0.00	12,341	197.75	0.15
26.30	0.00	12,287	197.74	0.15
26.40	0.00	12,232	197.73	0.15
26.50	0.00	12,178	197.73	0.15
26.60	0.00	12,124	197.72	0.15
26.70	0.00	12,070	197.71	0.15
26.80	0.00	12,016	197.70	0.15
26.90	0.00	11,963	197.69	0.15
27.00	0.00	11,910	197.69	0.15
27.10	0.00	11,857	197.68	0.15
27.20	0.00	11,804	197.67	0.15
27.30	0.00	11,752	197.67	0.15
27.40	0.00	11,700	197.66	0.14
27.50	0.00	11,648	197.65	0.14
27.60	0.00	11,596	197.64	0.14
27.70	0.00	11,545	197.64	0.14
27.80	0.00	11,494	197.63	0.14
27.90	0.00	11,443	197.62	0.14
28.00	0.00	11,393	197.61	0.14
28.10	0.00	11,342	197.61	0.14
28.20	0.00	11,292	197.60	0.14
28.30	0.00	11,242	197.59	0.14
28.40	0.00	11,193	197.59	0.14
28.50	0.00	11,143	197.58	0.14
28.60	0.00	11,094	197.57	0.14
28.70	0.00	11,045	197.56	0.14
28.80	0.00	10,997	197.56	0.13
28.90	0.00	10,948	197.55	0.13
29.00	0.00	10,900	197.54	0.13
29.10	0.00	10,852	197.54	0.13
29.20	0.00	10,805	197.53	0.13
29.30	0.00	10,757	197.52	0.13
29.40	0.00	10,710	197.52	0.13
29.50	0.00	10,663	197.51	0.13
29.60	0.00	10,617	197.50	0.13
29.70	0.00	10,570	197.50	0.13
29.80	0.00	10,524	197.49	0.13
29.90	0.00	10,478	197.48	0.13
30.00	0.00	10,432	197.48	0.13
30.10	0.00	10,387	197.47	0.13
30.20	0.00	10,342	197.47	0.13
30.30	0.00	10,297	197.46	0.12
30.40	0.00	10,252	197.45	0.12
30.50	0.00	10,208	197.45	0.12
30.60	0.00	10,164	197.44	0.12
30.70	0.00	10,120	197.43	0.12
30.80	0.00	10,076	197.43	0.12
30.90	0.00	10,033	197.42	0.12
31.00	0.00	9,989	197.42	0.12
31.10	0.00	9,947	197.41	0.12

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,904	197.40	0.12
31.30	0.00	9,861	197.40	0.12
31.40	0.00	9,819	197.39	0.12
31.50	0.00	9,777	197.39	0.12
31.60	0.00	9,736	197.38	0.12
31.70	0.00	9,694	197.37	0.11
31.80	0.00	9,653	197.37	0.11
31.90	0.00	9,612	197.36	0.11
32.00	0.00	9,571	197.36	0.11
32.10	0.00	9,531	197.35	0.11
32.20	0.00	9,491	197.34	0.11
32.30	0.00	9,451	197.34	0.11
32.40	0.00	9,411	197.33	0.11
32.50	0.00	9,371	197.33	0.11
32.60	0.00	9,332	197.32	0.11
32.70	0.00	9,293	197.32	0.11
32.80	0.00	9,254	197.31	0.11
32.90	0.00	9,216	197.31	0.11
33.00	0.00	9,178	197.30	0.11
33.10	0.00	9,140	197.29	0.11
33.20	0.00	9,102	197.29	0.10
33.30	0.00	9,065	197.28	0.10
33.40	0.00	9,027	197.28	0.10
33.50	0.00	8,990	197.27	0.10
33.60	0.00	8,954	197.27	0.10
33.70	0.00	8,917	197.26	0.10
33.80	0.00	8,881	197.26	0.10
33.90	0.00	8,845	197.25	0.10
34.00	0.00	8,809	197.25	0.10
34.10	0.00	8,774	197.24	0.10
34.20	0.00	8,738	197.24	0.10
34.30	0.00	8,703	197.23	0.10
34.40	0.00	8,668	197.23	0.10
34.50	0.00	8,634	197.22	0.10
34.60	0.00	8,600	197.22	0.09
34.70	0.00	8,566	197.21	0.09
34.80	0.00	8,532	197.21	0.09
34.90	0.00	8,498	197.20	0.09
35.00	0.00	8,465	197.20	0.09
35.10	0.00	8,432	197.19	0.09
35.20	0.00	8,399	197.19	0.09
35.30	0.00	8,367	197.19	0.09
35.40	0.00	8,334	197.18	0.09
35.50	0.00	8,302	197.18	0.09
35.60	0.00	8,271	197.17	0.09
35.70	0.00	8,239	197.17	0.09
35.80	0.00	8,208	197.16	0.09
35.90	0.00	8,177	197.16	0.09
36.00	0.00	8,146	197.15	0.09
36.10	0.00	8,115	197.15	0.08
36.20	0.00	8,085	197.15	0.08
36.30	0.00	8,055	197.14	0.08

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,025	197.14	0.08
36.50	0.00	7,995	197.13	0.08
36.60	0.00	7,966	197.13	0.08
36.70	0.00	7,937	197.12	0.08
36.80	0.00	7,908	197.12	0.08
36.90	0.00	7,880	197.12	0.08
37.00	0.00	7,851	197.11	0.08
37.10	0.00	7,823	197.11	0.08
37.20	0.00	7,795	197.10	0.08
37.30	0.00	7,768	197.10	0.08
37.40	0.00	7,740	197.10	0.08
37.50	0.00	7,713	197.09	0.07
37.60	0.00	7,687	197.09	0.07
37.70	0.00	7,660	197.09	0.07
37.80	0.00	7,634	197.08	0.07
37.90	0.00	7,607	197.08	0.07
38.00	0.00	7,582	197.07	0.07
38.10	0.00	7,556	197.07	0.07
38.20	0.00	7,531	197.07	0.07
38.30	0.00	7,505	197.06	0.07
38.40	0.00	7,481	197.06	0.07
38.50	0.00	7,456	197.06	0.07
38.60	0.00	7,432	197.05	0.07
38.70	0.00	7,408	197.05	0.07
38.80	0.00	7,384	197.05	0.07
38.90	0.00	7,360	197.04	0.07
39.00	0.00	7,337	197.04	0.06
39.10	0.00	7,313	197.04	0.06
39.20	0.00	7,291	197.03	0.06
39.30	0.00	7,268	197.03	0.06
39.40	0.00	7,246	197.03	0.06
39.50	0.00	7,223	197.02	0.06
39.60	0.00	7,202	197.02	0.06
39.70	0.00	7,180	197.02	0.06
39.80	0.00	7,159	197.01	0.06
39.90	0.00	7,137	197.01	0.06
40.00	0.00	7,117	197.01	0.06

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0	196.52	7,058	3,670
196.01	7,058	71	196.53	7,058	3,741
196.02	7,058	141	196.54	7,058	3,811
196.03	7,058	212	196.55	7,058	3,882
196.04	7,058	282	196.56	7,058	3,952
196.05	7,058	353	196.57	7,058	4,023
196.06	7,058	423	196.58	7,058	4,094
196.07	7,058	494	196.59	7,058	4,164
196.08	7,058	565	196.60	7,058	4,235
196.09	7,058	635	196.61	7,058	4,305
196.10	7,058	706	196.62	7,058	4,376
196.11	7,058	776	196.63	7,058	4,447
196.12	7,058	847	196.64	7,058	4,517
196.13	7,058	918	196.65	7,058	4,588
196.14	7,058	988	196.66	7,058	4,658
196.15	7,058	1,059	196.67	7,058	4,729
196.16	7,058	1,129	196.68	7,058	4,799
196.17	7,058	1,200	196.69	7,058	4,870
196.18	7,058	1,270	196.70	7,058	4,941
196.19	7,058	1,341	196.71	7,058	5,011
196.20	7,058	1,412	196.72	7,058	5,082
196.21	7,058	1,482	196.73	7,058	5,152
196.22	7,058	1,553	196.74	7,058	5,223
196.23	7,058	1,623	196.75	7,058	5,294
196.24	7,058	1,694	196.76	7,058	5,364
196.25	7,058	1,765	196.77	7,058	5,435
196.26	7,058	1,835	196.78	7,058	5,505
196.27	7,058	1,906	196.79	7,058	5,576
196.28	7,058	1,976	196.80	7,058	5,646
196.29	7,058	2,047	196.81	7,058	5,717
196.30	7,058	2,117	196.82	7,058	5,788
196.31	7,058	2,188	196.83	7,058	5,858
196.32	7,058	2,259	196.84	7,058	5,929
196.33	7,058	2,329	196.85	7,058	5,999
196.34	7,058	2,400	196.86	7,058	6,070
196.35	7,058	2,470	196.87	7,058	6,140
196.36	7,058	2,541	196.88	7,058	6,211
196.37	7,058	2,611	196.89	7,058	6,282
196.38	7,058	2,682	196.90	7,058	6,352
196.39	7,058	2,753	196.91	7,058	6,423
196.40	7,058	2,823	196.92	7,058	6,493
196.41	7,058	2,894	196.93	7,058	6,564
196.42	7,058	2,964	196.94	7,058	6,635
196.43	7,058	3,035	196.95	7,058	6,705
196.44	7,058	3,106	196.96	7,058	6,776
196.45	7,058	3,176	196.97	7,058	6,846
196.46	7,058	3,247	196.98	7,058	6,917
196.47	7,058	3,317	196.99	7,058	6,987
196.48	7,058	3,388	197.00	7,058	7,058
196.49	7,058	3,458	197.01	7,058	7,129
196.50	7,058	3,529	197.02	7,058	7,199
196.51	7,058	3,600	197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 3.52" for Current 10 yr event
Inflow = 8.69 cfs @ 12.07 hrs, Volume= 0.550 af
Outflow = 0.23 cfs @ 15.23 hrs, Volume= 0.411 af, Atten= 97%, Lag= 190.0 min
Primary = 0.23 cfs @ 15.23 hrs, Volume= 0.411 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.55' @ 15.23 hrs Surf.Area= 6,681 sf Storage= 17,024 cf

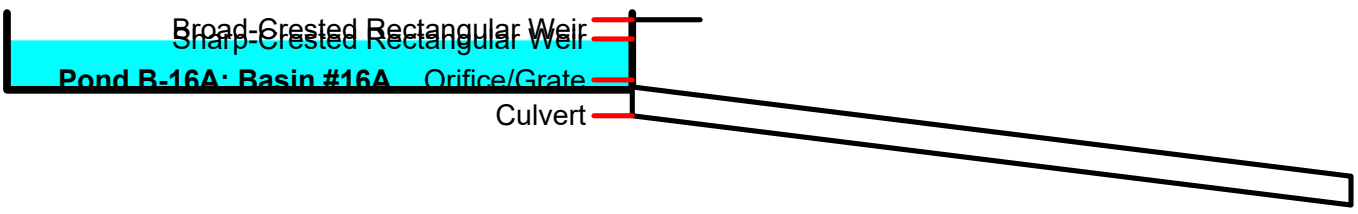
Plug-Flow detention time= 751.6 min calculated for 0.411 af (75% of inflow)
Center-of-Mass det. time= 659.5 min (1,438.0 - 778.4)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

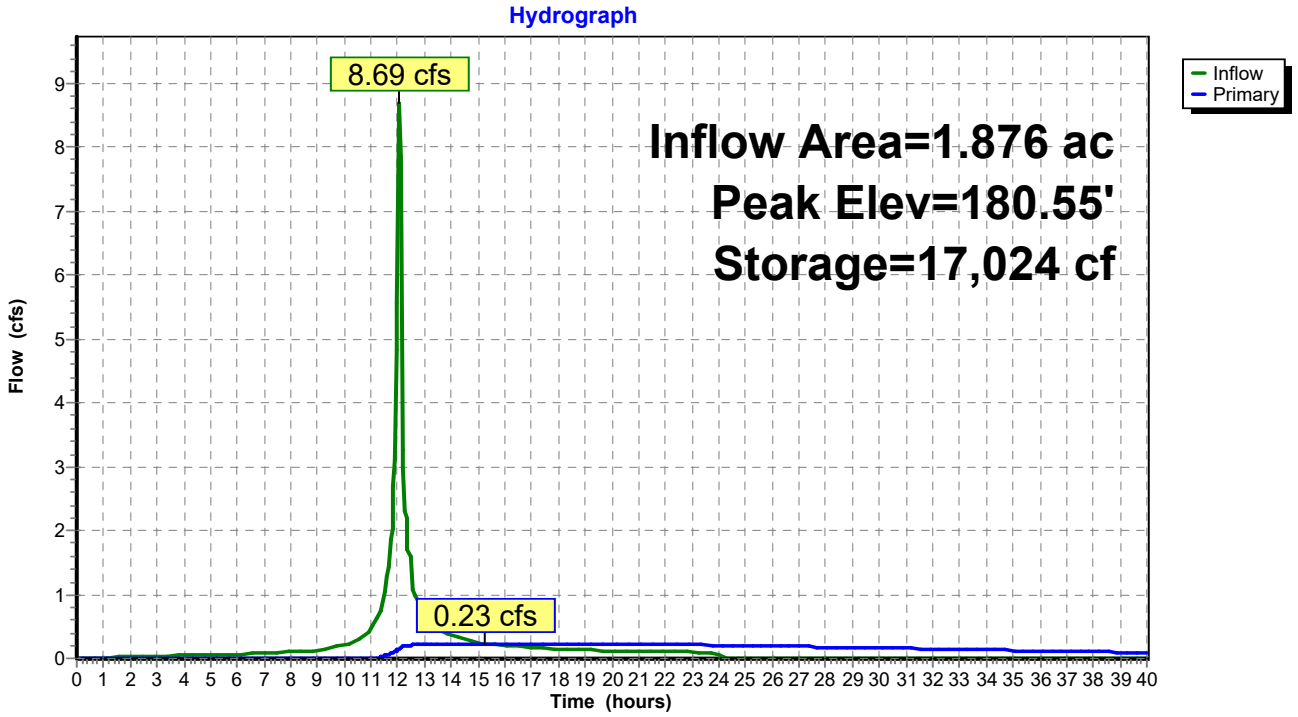
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.23 cfs @ 15.23 hrs HW=180.55' (Free Discharge)
- **1=Culvert** (Passes 0.23 cfs of 15.10 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.68 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	1	178.00	0.00
1.00	0.01	3	178.00	0.00
1.10	0.01	5	178.00	0.00
1.20	0.01	9	178.00	0.00
1.30	0.01	13	178.00	0.00
1.40	0.01	17	178.00	0.00
1.50	0.02	23	178.00	0.00
1.60	0.02	29	178.00	0.00
1.70	0.02	36	178.01	0.00
1.80	0.02	43	178.01	0.00
1.90	0.02	51	178.01	0.00
2.00	0.02	59	178.01	0.00
2.10	0.03	68	178.01	0.00
2.20	0.03	78	178.01	0.00
2.30	0.03	88	178.01	0.00
2.40	0.03	98	178.01	0.00
2.50	0.03	109	178.02	0.00
2.60	0.03	120	178.02	0.00
2.70	0.03	132	178.02	0.00
2.80	0.03	145	178.02	0.00
2.90	0.04	157	178.02	0.00
3.00	0.04	170	178.03	0.00
3.10	0.04	184	178.03	0.00
3.20	0.04	197	178.03	0.00
3.30	0.04	212	178.03	0.00
3.40	0.04	226	178.03	0.00
3.50	0.04	241	178.04	0.00
3.60	0.04	256	178.04	0.00
3.70	0.04	272	178.04	0.00
3.80	0.04	288	178.04	0.00
3.90	0.05	304	178.05	0.00
4.00	0.05	321	178.05	0.00
4.10	0.05	337	178.05	0.00
4.20	0.05	355	178.05	0.00
4.30	0.05	372	178.06	0.00
4.40	0.05	390	178.06	0.00
4.50	0.05	408	178.06	0.00
4.60	0.05	426	178.06	0.00
4.70	0.05	445	178.07	0.00
4.80	0.05	464	178.07	0.00
4.90	0.05	483	178.07	0.00
5.00	0.05	502	178.08	0.00
5.10	0.05	522	178.08	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	542	178.08	0.00
5.30	0.06	562	178.08	0.00
5.40	0.06	583	178.09	0.00
5.50	0.06	603	178.09	0.00
5.60	0.06	624	178.09	0.00
5.70	0.06	645	178.10	0.00
5.80	0.06	667	178.10	0.00
5.90	0.06	688	178.10	0.00
6.00	0.06	710	178.11	0.00
6.10	0.06	733	178.11	0.00
6.20	0.06	756	178.11	0.00
6.30	0.07	780	178.12	0.00
6.40	0.07	804	178.12	0.00
6.50	0.07	829	178.12	0.00
6.60	0.07	855	178.13	0.00
6.70	0.07	881	178.13	0.00
6.80	0.08	908	178.14	0.00
6.90	0.08	936	178.14	0.00
7.00	0.08	964	178.14	0.00
7.10	0.08	993	178.15	0.00
7.20	0.08	1,023	178.15	0.00
7.30	0.08	1,053	178.16	0.00
7.40	0.09	1,084	178.16	0.00
7.50	0.09	1,116	178.17	0.00
7.60	0.09	1,148	178.17	0.00
7.70	0.09	1,181	178.18	0.00
7.80	0.09	1,215	178.18	0.00
7.90	0.10	1,249	178.19	0.00
8.00	0.10	1,284	178.19	0.00
8.10	0.10	1,320	178.20	0.00
8.20	0.10	1,356	178.20	0.00
8.30	0.10	1,393	178.21	0.00
8.40	0.11	1,430	178.21	0.00
8.50	0.11	1,469	178.22	0.00
8.60	0.11	1,508	178.23	0.00
8.70	0.11	1,547	178.23	0.00
8.80	0.11	1,588	178.24	0.00
8.90	0.12	1,629	178.24	0.00
9.00	0.12	1,671	178.25	0.00
9.10	0.13	1,716	178.26	0.00
9.20	0.14	1,764	178.26	0.00
9.30	0.14	1,815	178.27	0.00
9.40	0.15	1,869	178.28	0.00
9.50	0.16	1,926	178.29	0.00
9.60	0.17	1,986	178.30	0.00
9.70	0.18	2,049	178.31	0.00
9.80	0.19	2,115	178.32	0.00
9.90	0.20	2,185	178.33	0.00
10.00	0.21	2,259	178.34	0.00
10.10	0.22	2,336	178.35	0.00
10.20	0.23	2,416	178.36	0.00
10.30	0.24	2,501	178.37	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.25	2,589	178.39	0.00
10.50	0.26	2,681	178.40	0.00
10.60	0.30	2,784	178.42	0.00
10.70	0.33	2,898	178.43	0.00
10.80	0.37	3,026	178.45	0.00
10.90	0.40	3,166	178.47	0.00
11.00	0.45	3,320	178.50	0.00
11.10	0.51	3,496	178.52	0.00
11.20	0.58	3,697	178.55	0.00
11.30	0.66	3,921	178.59	0.01
11.40	0.73	4,170	178.62	0.02
11.50	0.86	4,445	178.67	0.03
11.60	1.26	4,841	178.72	0.05
11.70	1.44	5,302	178.79	0.07
11.80	2.04	5,924	178.89	0.08
11.90	3.10	6,836	179.02	0.10
12.00	**5.57**	8,441	179.26	0.13
12.10	**7.85**	11,128	179.67	0.17
12.20	3.00	12,628	179.89	0.18
12.30	2.19	13,442	180.01	0.19
12.40	1.67	14,024	180.10	0.20
12.50	1.52	14,528	180.17	0.20
12.60	1.04	14,874	180.23	0.21
12.70	0.97	15,156	180.27	0.21
12.80	0.89	15,409	180.31	0.21
12.90	0.80	15,631	180.34	0.21
13.00	0.72	15,822	180.37	0.22
13.10	0.64	15,982	180.39	0.22
13.20	0.59	16,122	180.41	0.22
13.30	0.55	16,245	180.43	0.22
13.40	0.50	16,351	180.45	0.22
13.50	0.45	16,440	180.46	0.22
13.60	0.41	16,513	180.47	0.22
13.70	0.40	16,578	180.48	0.22
13.80	0.39	16,639	180.49	0.22
13.90	0.38	16,695	180.50	0.22
14.00	0.36	16,747	180.51	0.23
14.10	0.35	16,794	180.51	0.23
14.20	0.34	16,837	180.52	0.23
14.30	0.33	16,876	180.53	0.23
14.40	0.32	16,910	180.53	0.23
14.50	0.31	16,939	180.54	0.23
14.60	0.29	16,965	180.54	0.23
14.70	0.28	16,985	180.54	0.23
14.80	0.27	17,001	180.54	0.23
14.90	0.26	17,013	180.55	0.23
15.00	0.24	17,020	180.55	0.23
15.10	0.23	17,023	180.55	0.23
15.20	0.23	**17,024**	**180.55**	**0.23**
15.30	0.23	**17,024**	**180.55**	**0.23**
15.40	0.22	17,023	180.55	0.23
15.50	0.22	17,020	180.55	0.23

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.22	17,017	180.55	0.23
15.70	0.21	17,012	180.55	0.23
15.80	0.21	17,006	180.55	0.23
15.90	0.21	16,999	180.54	0.23
16.00	0.20	16,991	180.54	0.23
16.10	0.20	16,982	180.54	0.23
16.20	0.20	16,972	180.54	0.23
16.30	0.19	16,960	180.54	0.23
16.40	0.19	16,948	180.54	0.23
16.50	0.19	16,934	180.53	0.23
16.60	0.18	16,919	180.53	0.23
16.70	0.18	16,903	180.53	0.23
16.80	0.18	16,886	180.53	0.23
16.90	0.17	16,868	180.52	0.23
17.00	0.17	16,849	180.52	0.23
17.10	0.17	16,828	180.52	0.23
17.20	0.16	16,807	180.52	0.23
17.30	0.16	16,784	180.51	0.23
17.40	0.16	16,760	180.51	0.23
17.50	0.16	16,735	180.50	0.23
17.60	0.15	16,709	180.50	0.22
17.70	0.15	16,682	180.50	0.22
17.80	0.15	16,654	180.49	0.22
17.90	0.14	16,625	180.49	0.22
18.00	0.14	16,595	180.48	0.22
18.10	0.14	16,563	180.48	0.22
18.20	0.13	16,531	180.47	0.22
18.30	0.13	16,499	180.47	0.22
18.40	0.13	16,467	180.46	0.22
18.50	0.13	16,435	180.46	0.22
18.60	0.13	16,402	180.46	0.22
18.70	0.13	16,370	180.45	0.22
18.80	0.13	16,337	180.45	0.22
18.90	0.13	16,304	180.44	0.22
19.00	0.13	16,270	180.44	0.22
19.10	0.13	16,237	180.43	0.22
19.20	0.13	16,203	180.43	0.22
19.30	0.13	16,169	180.42	0.22
19.40	0.13	16,135	180.42	0.22
19.50	0.12	16,101	180.41	0.22
19.60	0.12	16,067	180.40	0.22
19.70	0.12	16,032	180.40	0.22
19.80	0.12	15,998	180.39	0.22
19.90	0.12	15,963	180.39	0.22
20.00	0.12	15,928	180.38	0.22
20.10	0.12	15,893	180.38	0.22
20.20	0.12	15,857	180.37	0.22
20.30	0.12	15,822	180.37	0.22
20.40	0.12	15,786	180.36	0.22
20.50	0.12	15,750	180.36	0.22
20.60	0.12	15,714	180.35	0.22
20.70	0.11	15,678	180.35	0.22

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	15,641	180.34	0.22
20.90	0.11	15,605	180.34	0.21
21.00	0.11	15,568	180.33	0.21
21.10	0.11	15,531	180.32	0.21
21.20	0.11	15,494	180.32	0.21
21.30	0.11	15,457	180.31	0.21
21.40	0.11	15,419	180.31	0.21
21.50	0.11	15,381	180.30	0.21
21.60	0.11	15,344	180.30	0.21
21.70	0.11	15,306	180.29	0.21
21.80	0.11	15,268	180.29	0.21
21.90	0.10	15,229	180.28	0.21
22.00	0.10	15,191	180.27	0.21
22.10	0.10	15,152	180.27	0.21
22.20	0.10	15,114	180.26	0.21
22.30	0.10	15,075	180.26	0.21
22.40	0.10	15,035	180.25	0.21
22.50	0.10	14,996	180.24	0.21
22.60	0.10	14,957	180.24	0.21
22.70	0.10	14,917	180.23	0.21
22.80	0.10	14,877	180.23	0.21
22.90	0.10	14,837	180.22	0.21
23.00	0.10	14,797	180.21	0.21
23.10	0.09	14,757	180.21	0.21
23.20	0.09	14,717	180.20	0.21
23.30	0.09	14,676	180.20	0.21
23.40	0.09	14,636	180.19	0.21
23.50	0.09	14,595	180.18	0.21
23.60	0.09	14,554	180.18	0.20
23.70	0.09	14,513	180.17	0.20
23.80	0.09	14,471	180.17	0.20
23.90	0.09	14,430	180.16	0.20
24.00	0.09	14,393	180.15	0.20
24.10	0.00	14,328	180.14	0.20
24.20	0.00	14,256	180.13	0.20
24.30	0.00	14,183	180.12	0.20
24.40	0.00	14,111	180.11	0.20
24.50	0.00	14,039	180.10	0.20
24.60	0.00	13,967	180.09	0.20
24.70	0.00	13,896	180.08	0.20
24.80	0.00	13,825	180.07	0.20
24.90	0.00	13,754	180.06	0.20
25.00	0.00	13,683	180.05	0.20
25.10	0.00	13,613	180.04	0.20
25.20	0.00	13,543	180.03	0.19
25.30	0.00	13,473	180.02	0.19
25.40	0.00	13,403	180.01	0.19
25.50	0.00	13,334	180.00	0.19
25.60	0.00	13,265	179.99	0.19
25.70	0.00	13,196	179.98	0.19
25.80	0.00	13,128	179.96	0.19
25.90	0.00	13,059	179.95	0.19

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,991	179.94	0.19
26.10	0.00	12,924	179.93	0.19
26.20	0.00	12,856	179.92	0.19
26.30	0.00	12,789	179.91	0.19
26.40	0.00	12,722	179.90	0.19
26.50	0.00	12,655	179.89	0.18
26.60	0.00	12,589	179.88	0.18
26.70	0.00	12,522	179.87	0.18
26.80	0.00	12,457	179.86	0.18
26.90	0.00	12,391	179.85	0.18
27.00	0.00	12,325	179.84	0.18
27.10	0.00	12,260	179.84	0.18
27.20	0.00	12,195	179.83	0.18
27.30	0.00	12,131	179.82	0.18
27.40	0.00	12,066	179.81	0.18
27.50	0.00	12,002	179.80	0.18
27.60	0.00	11,938	179.79	0.18
27.70	0.00	11,875	179.78	0.18
27.80	0.00	11,812	179.77	0.18
27.90	0.00	11,748	179.76	0.17
28.00	0.00	11,686	179.75	0.17
28.10	0.00	11,623	179.74	0.17
28.20	0.00	11,561	179.73	0.17
28.30	0.00	11,499	179.72	0.17
28.40	0.00	11,437	179.71	0.17
28.50	0.00	11,376	179.70	0.17
28.60	0.00	11,314	179.69	0.17
28.70	0.00	11,253	179.68	0.17
28.80	0.00	11,193	179.68	0.17
28.90	0.00	11,132	179.67	0.17
29.00	0.00	11,072	179.66	0.17
29.10	0.00	11,012	179.65	0.17
29.20	0.00	10,952	179.64	0.17
29.30	0.00	10,893	179.63	0.16
29.40	0.00	10,834	179.62	0.16
29.50	0.00	10,775	179.61	0.16
29.60	0.00	10,716	179.60	0.16
29.70	0.00	10,658	179.60	0.16
29.80	0.00	10,600	179.59	0.16
29.90	0.00	10,542	179.58	0.16
30.00	0.00	10,485	179.57	0.16
30.10	0.00	10,427	179.56	0.16
30.20	0.00	10,370	179.55	0.16
30.30	0.00	10,313	179.54	0.16
30.40	0.00	10,257	179.54	0.16
30.50	0.00	10,201	179.53	0.16
30.60	0.00	10,145	179.52	0.16
30.70	0.00	10,089	179.51	0.15
30.80	0.00	10,033	179.50	0.15
30.90	0.00	9,978	179.49	0.15
31.00	0.00	9,923	179.49	0.15
31.10	0.00	9,868	179.48	0.15

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,814	179.47	0.15
31.30	0.00	9,760	179.46	0.15
31.40	0.00	9,706	179.45	0.15
31.50	0.00	9,652	179.44	0.15
31.60	0.00	9,599	179.44	0.15
31.70	0.00	9,546	179.43	0.15
31.80	0.00	9,493	179.42	0.15
31.90	0.00	9,440	179.41	0.15
32.00	0.00	9,388	179.41	0.15
32.10	0.00	9,336	179.40	0.14
32.20	0.00	9,284	179.39	0.14
32.30	0.00	9,232	179.38	0.14
32.40	0.00	9,181	179.37	0.14
32.50	0.00	9,130	179.37	0.14
32.60	0.00	9,079	179.36	0.14
32.70	0.00	9,029	179.35	0.14
32.80	0.00	8,979	179.34	0.14
32.90	0.00	8,929	179.34	0.14
33.00	0.00	8,879	179.33	0.14
33.10	0.00	8,829	179.32	0.14
33.20	0.00	8,780	179.31	0.14
33.30	0.00	8,731	179.31	0.14
33.40	0.00	8,683	179.30	0.13
33.50	0.00	8,634	179.29	0.13
33.60	0.00	8,586	179.29	0.13
33.70	0.00	8,538	179.28	0.13
33.80	0.00	8,490	179.27	0.13
33.90	0.00	8,443	179.26	0.13
34.00	0.00	8,396	179.26	0.13
34.10	0.00	8,349	179.25	0.13
34.20	0.00	8,302	179.24	0.13
34.30	0.00	8,256	179.24	0.13
34.40	0.00	8,210	179.23	0.13
34.50	0.00	8,164	179.22	0.13
34.60	0.00	8,119	179.22	0.13
34.70	0.00	8,073	179.21	0.13
34.80	0.00	8,028	179.20	0.12
34.90	0.00	7,984	179.19	0.12
35.00	0.00	7,939	179.19	0.12
35.10	0.00	7,895	179.18	0.12
35.20	0.00	7,851	179.18	0.12
35.30	0.00	7,807	179.17	0.12
35.40	0.00	7,764	179.16	0.12
35.50	0.00	7,720	179.16	0.12
35.60	0.00	7,678	179.15	0.12
35.70	0.00	7,635	179.14	0.12
35.80	0.00	7,592	179.14	0.12
35.90	0.00	7,550	179.13	0.12
36.00	0.00	7,508	179.12	0.12
36.10	0.00	7,467	179.12	0.12
36.20	0.00	7,425	179.11	0.11
36.30	0.00	7,384	179.11	0.11

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,343	179.10	0.11
36.50	0.00	7,303	179.09	0.11
36.60	0.00	7,262	179.09	0.11
36.70	0.00	7,222	179.08	0.11
36.80	0.00	7,183	179.08	0.11
36.90	0.00	7,143	179.07	0.11
37.00	0.00	7,104	179.06	0.11
37.10	0.00	7,065	179.06	0.11
37.20	0.00	7,026	179.05	0.11
37.30	0.00	6,988	179.05	0.11
37.40	0.00	6,949	179.04	0.11
37.50	0.00	6,911	179.03	0.11
37.60	0.00	6,874	179.03	0.10
37.70	0.00	6,836	179.02	0.10
37.80	0.00	6,799	179.02	0.10
37.90	0.00	6,762	179.01	0.10
38.00	0.00	6,725	179.01	0.10
38.10	0.00	6,689	179.00	0.10
38.20	0.00	6,653	179.00	0.10
38.30	0.00	6,617	178.99	0.10
38.40	0.00	6,581	178.99	0.10
38.50	0.00	6,546	178.98	0.10
38.60	0.00	6,511	178.97	0.10
38.70	0.00	6,476	178.97	0.10
38.80	0.00	6,441	178.96	0.10
38.90	0.00	6,407	178.96	0.09
39.00	0.00	6,373	178.95	0.09
39.10	0.00	6,339	178.95	0.09
39.20	0.00	6,306	178.94	0.09
39.30	0.00	6,273	178.94	0.09
39.40	0.00	6,240	178.93	0.09
39.50	0.00	6,207	178.93	0.09
39.60	0.00	6,174	178.92	0.09
39.70	0.00	6,142	178.92	0.09
39.80	0.00	6,110	178.91	0.09
39.90	0.00	6,078	178.91	0.09
40.00	0.00	6,047	178.91	0.09

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896
180.09	6,681	13,963
180.10	6,681	14,030
180.11	6,681	14,097
180.12	6,681	14,164
180.13	6,681	14,231
180.14	6,681	14,297
180.15	6,681	14,364
180.16	6,681	14,431
180.17	6,681	14,498
180.18	6,681	14,565
180.19	6,681	14,631
180.20	6,681	14,698
180.21	6,681	14,765
180.22	6,681	14,832
180.23	6,681	14,899
180.24	6,681	14,965
180.25	6,681	15,032
180.26	6,681	15,099
180.27	6,681	15,166
180.28	6,681	15,233
180.29	6,681	15,299
180.30	6,681	15,366
180.31	6,681	15,433
180.32	6,681	15,500
180.33	6,681	15,567
180.34	6,681	15,634
180.35	6,681	15,700
180.36	6,681	15,767
180.37	6,681	15,834
180.38	6,681	15,901
180.39	6,681	15,968
180.40	6,681	16,034
180.41	6,681	16,101
180.42	6,681	16,168
180.43	6,681	16,235
180.44	6,681	16,302
180.45	6,681	16,368
180.46	6,681	16,435
180.47	6,681	16,502
180.48	6,681	16,569
180.49	6,681	16,636
180.50	6,681	16,703
180.51	6,681	16,769
180.52	6,681	16,836
180.53	6,681	16,903
180.54	6,681	16,970
180.55	6,681	17,037
180.56	6,681	17,103
180.57	6,681	17,170
180.58	6,681	17,237
180.59	6,681	17,304
180.60	6,681	17,371
180.61	6,681	17,437
180.62	6,681	17,504
180.63	6,681	17,571
180.64	6,681	17,638
180.65	6,681	17,705
180.66	6,681	17,771
180.67	6,681	17,838
180.68	6,681	17,905
180.69	6,681	17,972
180.70	6,681	18,039
180.71	6,681	18,106
180.72	6,681	18,172
180.73	6,681	18,239
180.74	6,681	18,306
180.75	6,681	18,373
180.76	6,681	18,440
180.77	6,681	18,506
180.78	6,681	18,573
180.79	6,681	18,640
180.80	6,681	18,707
180.81	6,681	18,774
180.82	6,681	18,840
180.83	6,681	18,907
180.84	6,681	18,974
180.85	6,681	19,041
180.86	6,681	19,108
180.87	6,681	19,174
180.88	6,681	19,241
180.89	6,681	19,308
180.90	6,681	19,375
180.91	6,681	19,442
180.92	6,681	19,509
180.93	6,681	19,575
180.94	6,681	19,642
180.95	6,681	19,709
180.96	6,681	19,776
180.97	6,681	19,843
180.98	6,681	19,909
180.99	6,681	19,976
181.00	6,681	20,043
181.01	6,681	20,110
181.02	6,681	20,177
181.03	6,681	20,243
181.04	6,681	20,310
181.05	6,681	20,377
181.06	6,681	20,444
181.07	6,681	20,511
181.08	6,681	20,577
181.09	6,681	20,644
181.10	6,681	20,711
181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 3.48" for Current 10 yr event
Inflow = 8.59 cfs @ 12.08 hrs, Volume= 0.544 af
Outflow = 0.23 cfs @ 15.10 hrs, Volume= 0.414 af, Atten= 97%, Lag= 181.1 min
Primary = 0.23 cfs @ 15.10 hrs, Volume= 0.414 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.64' @ 15.10 hrs Surf.Area= 6,329 sf Storage= 16,711 cf

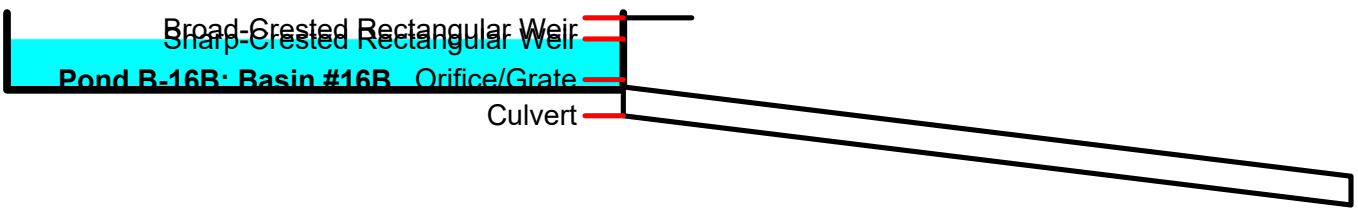
Plug-Flow detention time= 741.6 min calculated for 0.414 af (76% of inflow)
Center-of-Mass det. time= 651.0 min (1,431.9 - 780.9)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

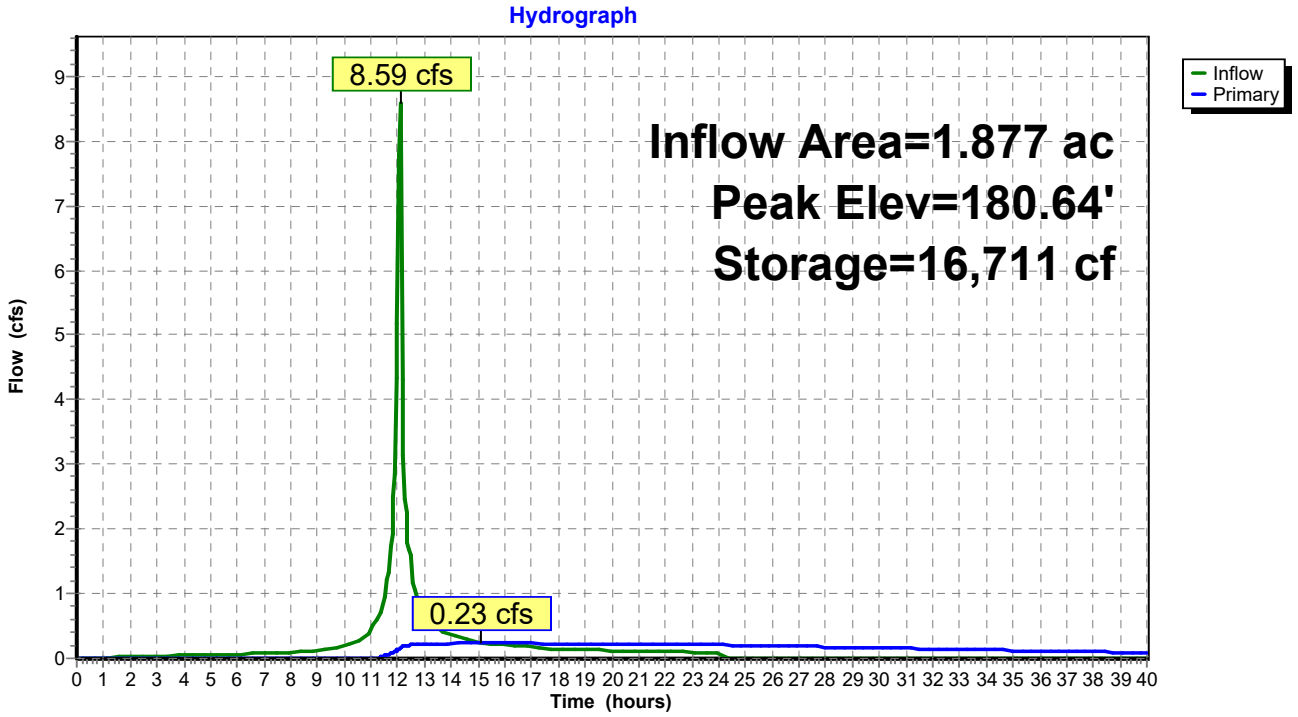
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.23 cfs @ 15.10 hrs HW=180.64' (Free Discharge)
- **1=Culvert** (Passes 0.23 cfs of 15.32 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.82 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	1	178.00	0.00
1.00	0.01	2	178.00	0.00
1.10	0.01	4	178.00	0.00
1.20	0.01	7	178.00	0.00
1.30	0.01	11	178.00	0.00
1.40	0.01	15	178.00	0.00
1.50	0.02	21	178.00	0.00
1.60	0.02	26	178.00	0.00
1.70	0.02	33	178.01	0.00
1.80	0.02	39	178.01	0.00
1.90	0.02	47	178.01	0.00
2.00	0.02	55	178.01	0.00
2.10	0.02	63	178.01	0.00
2.20	0.03	72	178.01	0.00
2.30	0.03	82	178.01	0.00
2.40	0.03	92	178.01	0.00
2.50	0.03	102	178.02	0.00
2.60	0.03	113	178.02	0.00
2.70	0.03	124	178.02	0.00
2.80	0.03	136	178.02	0.00
2.90	0.03	148	178.02	0.00
3.00	0.04	161	178.03	0.00
3.10	0.04	173	178.03	0.00
3.20	0.04	187	178.03	0.00
3.30	0.04	200	178.03	0.00
3.40	0.04	214	178.03	0.00
3.50	0.04	228	178.04	0.00
3.60	0.04	243	178.04	0.00
3.70	0.04	258	178.04	0.00
3.80	0.04	273	178.04	0.00
3.90	0.04	289	178.05	0.00
4.00	0.04	304	178.05	0.00
4.10	0.05	321	178.05	0.00
4.20	0.05	337	178.05	0.00
4.30	0.05	354	178.06	0.00
4.40	0.05	371	178.06	0.00
4.50	0.05	388	178.06	0.00
4.60	0.05	406	178.06	0.00
4.70	0.05	424	178.07	0.00
4.80	0.05	442	178.07	0.00
4.90	0.05	460	178.07	0.00
5.00	0.05	479	178.08	0.00
5.10	0.05	497	178.08	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	517	178.08	0.00
5.30	0.05	536	178.08	0.00
5.40	0.05	556	178.09	0.00
5.50	0.06	575	178.09	0.00
5.60	0.06	595	178.09	0.00
5.70	0.06	616	178.10	0.00
5.80	0.06	636	178.10	0.00
5.90	0.06	657	178.10	0.00
6.00	0.06	678	178.11	0.00
6.10	0.06	700	178.11	0.00
6.20	0.06	722	178.11	0.00
6.30	0.06	744	178.12	0.00
6.40	0.07	768	178.12	0.00
6.50	0.07	792	178.13	0.00
6.60	0.07	816	178.13	0.00
6.70	0.07	841	178.13	0.00
6.80	0.07	867	178.14	0.00
6.90	0.07	894	178.14	0.00
7.00	0.08	921	178.15	0.00
7.10	0.08	949	178.15	0.00
7.20	0.08	977	178.15	0.00
7.30	0.08	1,006	178.16	0.00
7.40	0.08	1,036	178.16	0.00
7.50	0.09	1,066	178.17	0.00
7.60	0.09	1,097	178.17	0.00
7.70	0.09	1,128	178.18	0.00
7.80	0.09	1,160	178.18	0.00
7.90	0.09	1,193	178.19	0.00
8.00	0.09	1,227	178.19	0.00
8.10	0.10	1,261	178.20	0.00
8.20	0.10	1,296	178.20	0.00
8.30	0.10	1,331	178.21	0.00
8.40	0.10	1,367	178.22	0.00
8.50	0.10	1,404	178.22	0.00
8.60	0.10	1,441	178.23	0.00
8.70	0.11	1,479	178.23	0.00
8.80	0.11	1,518	178.24	0.00
8.90	0.11	1,557	178.25	0.00
9.00	0.11	1,598	178.25	0.00
9.10	0.12	1,641	178.26	0.00
9.20	0.13	1,687	178.27	0.00
9.30	0.14	1,735	178.27	0.00
9.40	0.15	1,786	178.28	0.00
9.50	0.15	1,841	178.29	0.00
9.60	0.16	1,898	178.30	0.00
9.70	0.17	1,959	178.31	0.00
9.80	0.18	2,023	178.32	0.00
9.90	0.19	2,090	178.33	0.00
10.00	0.20	2,161	178.34	0.00
10.10	0.21	2,235	178.35	0.00
10.20	0.22	2,313	178.37	0.00
10.30	0.23	2,394	178.38	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.24	2,479	178.39	0.00
10.50	0.25	2,568	178.41	0.00
10.60	0.29	2,666	178.42	0.00
10.70	0.32	2,776	178.44	0.00
10.80	0.35	2,898	178.46	0.00
10.90	0.39	3,032	178.48	0.00
11.00	0.43	3,181	178.50	0.00
11.10	0.49	3,349	178.53	0.00
11.20	0.56	3,541	178.56	0.00
11.30	0.64	3,758	178.59	0.01
11.40	0.71	3,998	178.63	0.02
11.50	0.80	4,260	178.67	0.03
11.60	1.23	4,626	178.73	0.05
11.70	1.36	5,071	178.80	0.07
11.80	1.93	5,651	178.89	0.08
11.90	2.85	6,496	179.03	0.10
12.00	5.17	7,958	179.26	0.13
12.10	**8.25**	10,512	179.66	0.17
12.20	3.14	12,250	179.94	0.19
12.30	2.24	13,106	180.07	0.20
12.40	1.68	13,710	180.17	0.20
12.50	1.56	14,219	180.25	0.21
12.60	1.04	14,585	180.30	0.21
12.70	0.97	14,867	180.35	0.21
12.80	0.89	15,121	180.39	0.22
12.90	0.81	15,344	180.42	0.22
13.00	0.72	15,536	180.45	0.22
13.10	0.64	15,697	180.48	0.22
13.20	0.59	15,837	180.50	0.22
13.30	0.55	15,959	180.52	0.23
13.40	0.50	16,065	180.54	0.23
13.50	0.46	16,153	180.55	0.23
13.60	0.41	16,226	180.56	0.23
13.70	0.40	16,289	180.57	0.23
13.80	0.39	16,348	180.58	0.23
13.90	0.38	16,403	180.59	0.23
14.00	0.36	16,453	180.60	0.23
14.10	0.35	16,498	180.61	0.23
14.20	0.34	16,540	180.61	0.23
14.30	0.33	16,577	180.62	0.23
14.40	0.32	16,609	180.62	0.23
14.50	0.30	16,637	180.63	0.23
14.60	0.29	16,660	180.63	0.23
14.70	0.28	16,679	180.64	0.23
14.80	0.27	16,694	180.64	0.23
14.90	0.26	16,704	180.64	0.23
15.00	0.24	16,710	180.64	0.23
15.10	0.23	**16,711**	**180.64**	**0.23**
15.20	0.23	16,710	180.64	0.23
15.30	0.23	16,708	180.64	0.23
15.40	0.22	16,705	180.64	0.23
15.50	0.22	16,701	180.64	0.23

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.22	16,695	180.64	0.23
15.70	0.21	16,689	180.64	0.23
15.80	0.21	16,681	180.64	0.23
15.90	0.21	16,672	180.63	0.23
16.00	0.20	16,662	180.63	0.23
16.10	0.20	16,651	180.63	0.23
16.20	0.20	16,639	180.63	0.23
16.30	0.19	16,626	180.63	0.23
16.40	0.19	16,612	180.62	0.23
16.50	0.19	16,596	180.62	0.23
16.60	0.18	16,579	180.62	0.23
16.70	0.18	16,562	180.62	0.23
16.80	0.18	16,543	180.61	0.23
16.90	0.17	16,523	180.61	0.23
17.00	0.17	16,502	180.61	0.23
17.10	0.17	16,480	180.60	0.23
17.20	0.16	16,457	180.60	0.23
17.30	0.16	16,432	180.60	0.23
17.40	0.16	16,407	180.59	0.23
17.50	0.15	16,380	180.59	0.23
17.60	0.15	16,353	180.58	0.23
17.70	0.15	16,324	180.58	0.23
17.80	0.14	16,295	180.57	0.23
17.90	0.14	16,264	180.57	0.23
18.00	0.14	16,232	180.56	0.23
18.10	0.14	16,199	180.56	0.23
18.20	0.13	16,165	180.55	0.23
18.30	0.13	16,132	180.55	0.23
18.40	0.13	16,098	180.54	0.23
18.50	0.13	16,064	180.54	0.23
18.60	0.13	16,030	180.53	0.23
18.70	0.13	15,996	180.53	0.23
18.80	0.13	15,961	180.52	0.23
18.90	0.13	15,926	180.52	0.23
19.00	0.13	15,892	180.51	0.22
19.10	0.13	15,857	180.51	0.22
19.20	0.13	15,821	180.50	0.22
19.30	0.13	15,786	180.49	0.22
19.40	0.12	15,750	180.49	0.22
19.50	0.12	15,715	180.48	0.22
19.60	0.12	15,679	180.48	0.22
19.70	0.12	15,643	180.47	0.22
19.80	0.12	15,607	180.47	0.22
19.90	0.12	15,571	180.46	0.22
20.00	0.12	15,534	180.45	0.22
20.10	0.12	15,497	180.45	0.22
20.20	0.12	15,461	180.44	0.22
20.30	0.12	15,424	180.44	0.22
20.40	0.12	15,386	180.43	0.22
20.50	0.12	15,349	180.43	0.22
20.60	0.12	15,312	180.42	0.22
20.70	0.11	15,274	180.41	0.22

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	15,236	180.41	0.22
20.90	0.11	15,198	180.40	0.22
21.00	0.11	15,160	180.40	0.22
21.10	0.11	15,122	180.39	0.22
21.20	0.11	15,083	180.38	0.22
21.30	0.11	15,045	180.38	0.22
21.40	0.11	15,006	180.37	0.22
21.50	0.11	14,967	180.36	0.22
21.60	0.11	14,928	180.36	0.22
21.70	0.11	14,889	180.35	0.22
21.80	0.11	14,850	180.35	0.21
21.90	0.10	14,810	180.34	0.21
22.00	0.10	14,770	180.33	0.21
22.10	0.10	14,730	180.33	0.21
22.20	0.10	14,690	180.32	0.21
22.30	0.10	14,650	180.31	0.21
22.40	0.10	14,610	180.31	0.21
22.50	0.10	14,569	180.30	0.21
22.60	0.10	14,529	180.30	0.21
22.70	0.10	14,488	180.29	0.21
22.80	0.10	14,447	180.28	0.21
22.90	0.10	14,406	180.28	0.21
23.00	0.10	14,365	180.27	0.21
23.10	0.09	14,324	180.26	0.21
23.20	0.09	14,282	180.26	0.21
23.30	0.09	14,240	180.25	0.21
23.40	0.09	14,199	180.24	0.21
23.50	0.09	14,157	180.24	0.21
23.60	0.09	14,115	180.23	0.21
23.70	0.09	14,073	180.22	0.21
23.80	0.09	14,030	180.22	0.21
23.90	0.09	13,988	180.21	0.21
24.00	0.10	13,950	180.20	0.21
24.10	0.00	13,888	180.19	0.21
24.20	0.00	13,815	180.18	0.20
24.30	0.00	13,742	180.17	0.20
24.40	0.00	13,668	180.16	0.20
24.50	0.00	13,596	180.15	0.20
24.60	0.00	13,523	180.14	0.20
24.70	0.00	13,451	180.13	0.20
24.80	0.00	13,379	180.11	0.20
24.90	0.00	13,307	180.10	0.20
25.00	0.00	13,236	180.09	0.20
25.10	0.00	13,164	180.08	0.20
25.20	0.00	13,093	180.07	0.20
25.30	0.00	13,023	180.06	0.20
25.40	0.00	12,952	180.05	0.20
25.50	0.00	12,882	180.04	0.19
25.60	0.00	12,813	180.02	0.19
25.70	0.00	12,743	180.01	0.19
25.80	0.00	12,674	180.00	0.19
25.90	0.00	12,605	179.99	0.19

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,536	179.98	0.19
26.10	0.00	12,468	179.97	0.19
26.20	0.00	12,399	179.96	0.19
26.30	0.00	12,332	179.95	0.19
26.40	0.00	12,264	179.94	0.19
26.50	0.00	12,197	179.93	0.19
26.60	0.00	12,130	179.92	0.19
26.70	0.00	12,063	179.91	0.19
26.80	0.00	11,996	179.90	0.18
26.90	0.00	11,930	179.88	0.18
27.00	0.00	11,864	179.87	0.18
27.10	0.00	11,799	179.86	0.18
27.20	0.00	11,733	179.85	0.18
27.30	0.00	11,668	179.84	0.18
27.40	0.00	11,603	179.83	0.18
27.50	0.00	11,539	179.82	0.18
27.60	0.00	11,474	179.81	0.18
27.70	0.00	11,410	179.80	0.18
27.80	0.00	11,347	179.79	0.18
27.90	0.00	11,283	179.78	0.18
28.00	0.00	11,220	179.77	0.18
28.10	0.00	11,157	179.76	0.17
28.20	0.00	11,094	179.75	0.17
28.30	0.00	11,032	179.74	0.17
28.40	0.00	10,970	179.73	0.17
28.50	0.00	10,908	179.72	0.17
28.60	0.00	10,847	179.71	0.17
28.70	0.00	10,785	179.70	0.17
28.80	0.00	10,724	179.69	0.17
28.90	0.00	10,664	179.68	0.17
29.00	0.00	10,603	179.68	0.17
29.10	0.00	10,543	179.67	0.17
29.20	0.00	10,483	179.66	0.17
29.30	0.00	10,424	179.65	0.17
29.40	0.00	10,364	179.64	0.16
29.50	0.00	10,305	179.63	0.16
29.60	0.00	10,246	179.62	0.16
29.70	0.00	10,188	179.61	0.16
29.80	0.00	10,130	179.60	0.16
29.90	0.00	10,072	179.59	0.16
30.00	0.00	10,014	179.58	0.16
30.10	0.00	9,957	179.57	0.16
30.20	0.00	9,900	179.56	0.16
30.30	0.00	9,843	179.56	0.16
30.40	0.00	9,786	179.55	0.16
30.50	0.00	9,730	179.54	0.16
30.60	0.00	9,674	179.53	0.16
30.70	0.00	9,618	179.52	0.15
30.80	0.00	9,563	179.51	0.15
30.90	0.00	9,507	179.50	0.15
31.00	0.00	9,453	179.49	0.15
31.10	0.00	9,398	179.48	0.15

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,344	179.48	0.15
31.30	0.00	9,289	179.47	0.15
31.40	0.00	9,236	179.46	0.15
31.50	0.00	9,182	179.45	0.15
31.60	0.00	9,129	179.44	0.15
31.70	0.00	9,076	179.43	0.15
31.80	0.00	9,023	179.43	0.15
31.90	0.00	8,971	179.42	0.15
32.00	0.00	8,919	179.41	0.14
32.10	0.00	8,867	179.40	0.14
32.20	0.00	8,815	179.39	0.14
32.30	0.00	8,764	179.38	0.14
32.40	0.00	8,713	179.38	0.14
32.50	0.00	8,662	179.37	0.14
32.60	0.00	8,611	179.36	0.14
32.70	0.00	8,561	179.35	0.14
32.80	0.00	8,511	179.34	0.14
32.90	0.00	8,462	179.34	0.14
33.00	0.00	8,412	179.33	0.14
33.10	0.00	8,363	179.32	0.14
33.20	0.00	8,314	179.31	0.14
33.30	0.00	8,266	179.31	0.13
33.40	0.00	8,217	179.30	0.13
33.50	0.00	8,169	179.29	0.13
33.60	0.00	8,122	179.28	0.13
33.70	0.00	8,074	179.28	0.13
33.80	0.00	8,027	179.27	0.13
33.90	0.00	7,980	179.26	0.13
34.00	0.00	7,933	179.25	0.13
34.10	0.00	7,887	179.25	0.13
34.20	0.00	7,841	179.24	0.13
34.30	0.00	7,795	179.23	0.13
34.40	0.00	7,750	179.22	0.13
34.50	0.00	7,704	179.22	0.13
34.60	0.00	7,659	179.21	0.12
34.70	0.00	7,615	179.20	0.12
34.80	0.00	7,570	179.20	0.12
34.90	0.00	7,526	179.19	0.12
35.00	0.00	7,482	179.18	0.12
35.10	0.00	7,439	179.18	0.12
35.20	0.00	7,395	179.17	0.12
35.30	0.00	7,352	179.16	0.12
35.40	0.00	7,310	179.15	0.12
35.50	0.00	7,267	179.15	0.12
35.60	0.00	7,225	179.14	0.12
35.70	0.00	7,183	179.13	0.12
35.80	0.00	7,141	179.13	0.12
35.90	0.00	7,100	179.12	0.11
36.00	0.00	7,059	179.12	0.11
36.10	0.00	7,018	179.11	0.11
36.20	0.00	6,977	179.10	0.11
36.30	0.00	6,937	179.10	0.11

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,897	179.09	0.11
36.50	0.00	6,857	179.08	0.11
36.60	0.00	6,818	179.08	0.11
36.70	0.00	6,779	179.07	0.11
36.80	0.00	6,740	179.06	0.11
36.90	0.00	6,701	179.06	0.11
37.00	0.00	6,663	179.05	0.11
37.10	0.00	6,625	179.05	0.11
37.20	0.00	6,587	179.04	0.10
37.30	0.00	6,549	179.03	0.10
37.40	0.00	6,512	179.03	0.10
37.50	0.00	6,475	179.02	0.10
37.60	0.00	6,438	179.02	0.10
37.70	0.00	6,402	179.01	0.10
37.80	0.00	6,366	179.01	0.10
37.90	0.00	6,330	179.00	0.10
38.00	0.00	6,294	178.99	0.10
38.10	0.00	6,259	178.99	0.10
38.20	0.00	6,224	178.98	0.10
38.30	0.00	6,189	178.98	0.10
38.40	0.00	6,155	178.97	0.10
38.50	0.00	6,120	178.97	0.09
38.60	0.00	6,086	178.96	0.09
38.70	0.00	6,053	178.96	0.09
38.80	0.00	6,019	178.95	0.09
38.90	0.00	5,986	178.95	0.09
39.00	0.00	5,953	178.94	0.09
39.10	0.00	5,921	178.94	0.09
39.20	0.00	5,889	178.93	0.09
39.30	0.00	5,857	178.93	0.09
39.40	0.00	5,825	178.92	0.09
39.50	0.00	5,793	178.92	0.09
39.60	0.00	5,762	178.91	0.09
39.70	0.00	5,731	178.91	0.09
39.80	0.00	5,701	178.90	0.08
39.90	0.00	5,670	178.90	0.08
40.00	0.00	5,640	178.89	0.08

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 2.77" for Current 10 yr event
Inflow = 5.15 cfs @ 12.09 hrs, Volume= 0.306 af
Outflow = 0.17 cfs @ 14.82 hrs, Volume= 0.268 af, Atten= 97%, Lag= 163.9 min
Primary = 0.17 cfs @ 14.82 hrs, Volume= 0.268 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.38' @ 14.82 hrs Surf.Area= 6,904 sf Storage= 8,571 cf

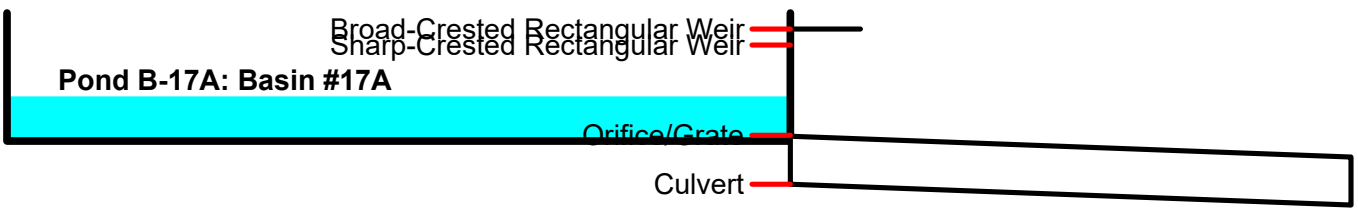
Plug-Flow detention time= 604.0 min calculated for 0.268 af (88% of inflow)
Center-of-Mass det. time= 544.8 min (1,358.6 - 813.8)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

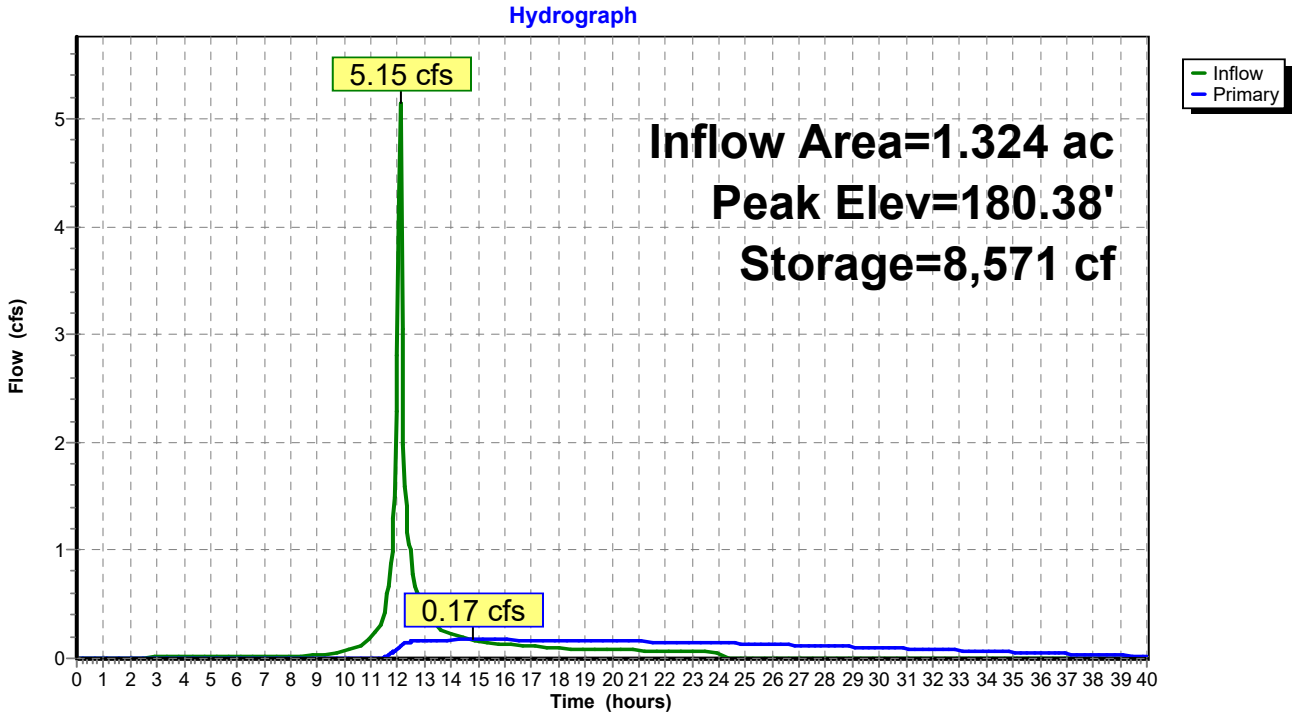
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 14.82 hrs HW=180.38' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 11.98 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.05 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	1	179.00	0.00
1.20	0.00	2	179.00	0.00
1.30	0.00	3	179.00	0.00
1.40	0.00	4	179.00	0.00
1.50	0.00	5	179.00	0.00
1.60	0.00	6	179.00	0.00
1.70	0.00	8	179.00	0.00
1.80	0.00	9	179.00	0.00
1.90	0.01	11	179.00	0.00
2.00	0.01	13	179.00	0.00
2.10	0.01	15	179.00	0.00
2.20	0.01	17	179.00	0.00
2.30	0.01	19	179.00	0.00
2.40	0.01	22	179.00	0.00
2.50	0.01	24	179.00	0.00
2.60	0.01	27	179.00	0.00
2.70	0.01	29	179.01	0.00
2.80	0.01	32	179.01	0.00
2.90	0.01	35	179.01	0.00
3.00	0.01	38	179.01	0.00
3.10	0.01	41	179.01	0.00
3.20	0.01	44	179.01	0.00
3.30	0.01	47	179.01	0.00
3.40	0.01	50	179.01	0.00
3.50	0.01	54	179.01	0.00
3.60	0.01	57	179.01	0.00
3.70	0.01	61	179.01	0.00
3.80	0.01	64	179.01	0.00
3.90	0.01	68	179.01	0.00
4.00	0.01	72	179.01	0.00
4.10	0.01	75	179.01	0.00
4.20	0.01	79	179.01	0.00
4.30	0.01	83	179.02	0.00
4.40	0.01	87	179.02	0.00
4.50	0.01	91	179.02	0.00
4.60	0.01	95	179.02	0.00
4.70	0.01	100	179.02	0.00
4.80	0.01	104	179.02	0.00
4.90	0.01	108	179.02	0.00
5.00	0.01	113	179.02	0.00
5.10	0.01	117	179.02	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.01	122	179.02	0.00
5.30	0.01	126	179.02	0.00
5.40	0.01	131	179.02	0.00
5.50	0.01	135	179.02	0.00
5.60	0.01	140	179.03	0.00
5.70	0.01	145	179.03	0.00
5.80	0.01	150	179.03	0.00
5.90	0.01	155	179.03	0.00
6.00	0.01	159	179.03	0.00
6.10	0.01	165	179.03	0.00
6.20	0.01	170	179.03	0.00
6.30	0.02	175	179.03	0.00
6.40	0.02	181	179.03	0.00
6.50	0.02	186	179.03	0.00
6.60	0.02	192	179.03	0.00
6.70	0.02	198	179.04	0.00
6.80	0.02	204	179.04	0.00
6.90	0.02	210	179.04	0.00
7.00	0.02	217	179.04	0.00
7.10	0.02	223	179.04	0.00
7.20	0.02	230	179.04	0.00
7.30	0.02	237	179.04	0.00
7.40	0.02	244	179.04	0.00
7.50	0.02	251	179.05	0.00
7.60	0.02	258	179.05	0.00
7.70	0.02	265	179.05	0.00
7.80	0.02	273	179.05	0.00
7.90	0.02	281	179.05	0.00
8.00	0.02	289	179.05	0.00
8.10	0.02	297	179.05	0.00
8.20	0.02	305	179.06	0.00
8.30	0.02	313	179.06	0.00
8.40	0.02	322	179.06	0.00
8.50	0.02	330	179.06	0.00
8.60	0.02	339	179.06	0.00
8.70	0.03	348	179.06	0.00
8.80	0.03	357	179.06	0.00
8.90	0.03	367	179.07	0.00
9.00	0.03	377	179.07	0.00
9.10	0.03	388	179.07	0.00
9.20	0.04	400	179.07	0.00
9.30	0.04	413	179.07	0.00
9.40	0.04	428	179.08	0.00
9.50	0.05	444	179.08	0.00
9.60	0.05	461	179.08	0.00
9.70	0.05	480	179.09	0.00
9.80	0.06	501	179.09	0.00
9.90	0.06	523	179.09	0.00
10.00	0.07	547	179.10	0.00
10.10	0.07	572	179.10	0.00
10.20	0.08	600	179.11	0.00
10.30	0.08	629	179.11	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.09	661	179.12	0.00
10.50	0.10	695	179.12	0.00
10.60	0.11	733	179.13	0.00
10.70	0.13	776	179.14	0.00
10.80	0.14	825	179.15	0.00
10.90	0.16	881	179.16	0.00
11.00	0.18	944	179.17	0.00
11.10	0.22	1,016	179.18	0.00
11.20	0.25	1,102	179.20	0.00
11.30	0.29	1,200	179.21	0.00
11.40	0.33	1,312	179.23	0.01
11.50	0.38	1,438	179.26	0.01
11.60	0.61	1,615	179.29	0.02
11.70	0.68	1,838	179.32	0.03
11.80	0.99	2,132	179.37	0.05
11.90	1.49	2,567	179.45	0.07
12.00	2.81	3,339	179.58	0.09
12.10	**5.08**	4,782	179.81	0.12
12.20	1.99	5,920	179.99	0.14
12.30	1.42	6,461	180.07	0.15
12.40	1.06	6,841	180.13	0.15
12.50	1.00	7,155	180.17	0.15
12.60	0.66	7,388	180.21	0.16
12.70	0.62	7,560	180.23	0.16
12.80	0.57	7,714	180.26	0.16
12.90	0.52	7,849	180.28	0.16
13.00	0.46	7,965	180.29	0.16
13.10	0.41	8,061	180.31	0.17
13.20	0.38	8,143	180.32	0.17
13.30	0.35	8,214	180.33	0.17
13.40	0.32	8,274	180.34	0.17
13.50	0.29	8,324	180.35	0.17
13.60	0.27	8,363	180.35	0.17
13.70	0.26	8,395	180.36	0.17
13.80	0.25	8,425	180.36	0.17
13.90	0.24	8,452	180.37	0.17
14.00	0.24	8,477	180.37	0.17
14.10	0.23	8,498	180.37	0.17
14.20	0.22	8,517	180.37	0.17
14.30	0.21	8,533	180.38	0.17
14.40	0.20	8,546	180.38	0.17
14.50	0.20	8,557	180.38	0.17
14.60	0.19	8,564	180.38	0.17
14.70	0.18	8,569	180.38	0.17
14.80	0.17	**8,571**	**180.38**	**0.17**
14.90	0.17	8,570	180.38	0.17
15.00	0.16	8,566	180.38	0.17
15.10	0.15	8,560	180.38	0.17
15.20	0.15	8,552	180.38	0.17
15.30	0.15	8,543	180.38	0.17
15.40	0.14	8,533	180.38	0.17
15.50	0.14	8,523	180.38	0.17

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.14	8,512	180.37	0.17
15.70	0.14	8,501	180.37	0.17
15.80	0.14	8,489	180.37	0.17
15.90	0.13	8,476	180.37	0.17
16.00	0.13	8,462	180.37	0.17
16.10	0.13	8,448	180.36	0.17
16.20	0.13	8,433	180.36	0.17
16.30	0.13	8,418	180.36	0.17
16.40	0.12	8,401	180.36	0.17
16.50	0.12	8,384	180.36	0.17
16.60	0.12	8,367	180.35	0.17
16.70	0.12	8,349	180.35	0.17
16.80	0.12	8,330	180.35	0.17
16.90	0.11	8,310	180.34	0.17
17.00	0.11	8,290	180.34	0.17
17.10	0.11	8,269	180.34	0.17
17.20	0.11	8,247	180.34	0.17
17.30	0.11	8,225	180.33	0.17
17.40	0.10	8,202	180.33	0.17
17.50	0.10	8,178	180.33	0.17
17.60	0.10	8,154	180.32	0.17
17.70	0.10	8,129	180.32	0.17
17.80	0.09	8,104	180.31	0.17
17.90	0.09	8,077	180.31	0.17
18.00	0.09	8,051	180.31	0.17
18.10	0.09	8,023	180.30	0.17
18.20	0.09	7,995	180.30	0.17
18.30	0.09	7,967	180.29	0.16
18.40	0.09	7,939	180.29	0.16
18.50	0.09	7,911	180.29	0.16
18.60	0.09	7,883	180.28	0.16
18.70	0.09	7,855	180.28	0.16
18.80	0.08	7,827	180.27	0.16
18.90	0.08	7,799	180.27	0.16
19.00	0.08	7,770	180.27	0.16
19.10	0.08	7,742	180.26	0.16
19.20	0.08	7,713	180.26	0.16
19.30	0.08	7,685	180.25	0.16
19.40	0.08	7,656	180.25	0.16
19.50	0.08	7,628	180.24	0.16
19.60	0.08	7,599	180.24	0.16
19.70	0.08	7,570	180.24	0.16
19.80	0.08	7,541	180.23	0.16
19.90	0.08	7,513	180.23	0.16
20.00	0.08	7,484	180.22	0.16
20.10	0.08	7,455	180.22	0.16
20.20	0.08	7,426	180.21	0.16
20.30	0.08	7,397	180.21	0.16
20.40	0.08	7,367	180.21	0.16
20.50	0.08	7,338	180.20	0.16
20.60	0.08	7,309	180.20	0.16
20.70	0.08	7,280	180.19	0.16

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	7,251	180.19	0.16
20.90	0.07	7,221	180.18	0.16
21.00	0.07	7,192	180.18	0.16
21.10	0.07	7,162	180.18	0.15
21.20	0.07	7,133	180.17	0.15
21.30	0.07	7,103	180.17	0.15
21.40	0.07	7,073	180.16	0.15
21.50	0.07	7,044	180.16	0.15
21.60	0.07	7,014	180.15	0.15
21.70	0.07	6,984	180.15	0.15
21.80	0.07	6,954	180.14	0.15
21.90	0.07	6,924	180.14	0.15
22.00	0.07	6,894	180.14	0.15
22.10	0.07	6,864	180.13	0.15
22.20	0.07	6,834	180.13	0.15
22.30	0.07	6,804	180.12	0.15
22.40	0.07	6,774	180.12	0.15
22.50	0.07	6,744	180.11	0.15
22.60	0.07	6,714	180.11	0.15
22.70	0.06	6,684	180.10	0.15
22.80	0.06	6,653	180.10	0.15
22.90	0.06	6,623	180.09	0.15
23.00	0.06	6,593	180.09	0.15
23.10	0.06	6,562	180.09	0.15
23.20	0.06	6,532	180.08	0.15
23.30	0.06	6,501	180.08	0.15
23.40	0.06	6,471	180.07	0.15
23.50	0.06	6,440	180.07	0.15
23.60	0.06	6,409	180.06	0.14
23.70	0.06	6,379	180.06	0.14
23.80	0.06	6,348	180.05	0.14
23.90	0.06	6,317	180.05	0.14
24.00	0.07	6,289	180.04	0.14
24.10	0.00	6,249	180.04	0.14
24.20	0.00	6,198	180.03	0.14
24.30	0.00	6,147	180.02	0.14
24.40	0.00	6,096	180.01	0.14
24.50	0.00	6,046	180.01	0.14
24.60	0.00	5,996	180.00	0.14
24.70	0.00	5,946	179.99	0.14
24.80	0.00	5,896	179.98	0.14
24.90	0.00	5,847	179.98	0.14
25.00	0.00	5,798	179.97	0.14
25.10	0.00	5,749	179.96	0.13
25.20	0.00	5,701	179.95	0.13
25.30	0.00	5,653	179.95	0.13
25.40	0.00	5,605	179.94	0.13
25.50	0.00	5,557	179.93	0.13
25.60	0.00	5,510	179.92	0.13
25.70	0.00	5,463	179.92	0.13
25.80	0.00	5,416	179.91	0.13
25.90	0.00	5,369	179.90	0.13

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,323	179.89	0.13
26.10	0.00	5,277	179.89	0.13
26.20	0.00	5,231	179.88	0.13
26.30	0.00	5,186	179.87	0.13
26.40	0.00	5,141	179.87	0.13
26.50	0.00	5,096	179.86	0.12
26.60	0.00	5,051	179.85	0.12
26.70	0.00	5,007	179.84	0.12
26.80	0.00	4,963	179.84	0.12
26.90	0.00	4,919	179.83	0.12
27.00	0.00	4,875	179.82	0.12
27.10	0.00	4,832	179.82	0.12
27.20	0.00	4,789	179.81	0.12
27.30	0.00	4,746	179.80	0.12
27.40	0.00	4,704	179.80	0.12
27.50	0.00	4,662	179.79	0.12
27.60	0.00	4,620	179.78	0.12
27.70	0.00	4,578	179.78	0.12
27.80	0.00	4,537	179.77	0.11
27.90	0.00	4,496	179.76	0.11
28.00	0.00	4,455	179.76	0.11
28.10	0.00	4,415	179.75	0.11
28.20	0.00	4,374	179.74	0.11
28.30	0.00	4,334	179.74	0.11
28.40	0.00	4,295	179.73	0.11
28.50	0.00	4,255	179.73	0.11
28.60	0.00	4,216	179.72	0.11
28.70	0.00	4,178	179.71	0.11
28.80	0.00	4,139	179.71	0.11
28.90	0.00	4,101	179.70	0.11
29.00	0.00	4,063	179.69	0.11
29.10	0.00	4,025	179.69	0.10
29.20	0.00	3,988	179.68	0.10
29.30	0.00	3,951	179.68	0.10
29.40	0.00	3,914	179.67	0.10
29.50	0.00	3,877	179.66	0.10
29.60	0.00	3,841	179.66	0.10
29.70	0.00	3,805	179.65	0.10
29.80	0.00	3,769	179.65	0.10
29.90	0.00	3,734	179.64	0.10
30.00	0.00	3,699	179.64	0.10
30.10	0.00	3,664	179.63	0.10
30.20	0.00	3,629	179.62	0.10
30.30	0.00	3,595	179.62	0.09
30.40	0.00	3,561	179.61	0.09
30.50	0.00	3,527	179.61	0.09
30.60	0.00	3,494	179.60	0.09
30.70	0.00	3,461	179.60	0.09
30.80	0.00	3,428	179.59	0.09
30.90	0.00	3,395	179.59	0.09
31.00	0.00	3,363	179.58	0.09
31.10	0.00	3,331	179.57	0.09

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,299	179.57	0.09
31.30	0.00	3,268	179.56	0.09
31.40	0.00	3,237	179.56	0.09
31.50	0.00	3,206	179.55	0.09
31.60	0.00	3,175	179.55	0.08
31.70	0.00	3,145	179.54	0.08
31.80	0.00	3,115	179.54	0.08
31.90	0.00	3,085	179.53	0.08
32.00	0.00	3,056	179.53	0.08
32.10	0.00	3,027	179.52	0.08
32.20	0.00	2,998	179.52	0.08
32.30	0.00	2,970	179.52	0.08
32.40	0.00	2,941	179.51	0.08
32.50	0.00	2,913	179.51	0.08
32.60	0.00	2,886	179.50	0.08
32.70	0.00	2,858	179.50	0.08
32.80	0.00	2,831	179.49	0.07
32.90	0.00	2,805	179.49	0.07
33.00	0.00	2,778	179.48	0.07
33.10	0.00	2,752	179.48	0.07
33.20	0.00	2,726	179.47	0.07
33.30	0.00	2,700	179.47	0.07
33.40	0.00	2,675	179.47	0.07
33.50	0.00	2,650	179.46	0.07
33.60	0.00	2,625	179.46	0.07
33.70	0.00	2,601	179.45	0.07
33.80	0.00	2,577	179.45	0.07
33.90	0.00	2,553	179.45	0.07
34.00	0.00	2,529	179.44	0.07
34.10	0.00	2,506	179.44	0.06
34.20	0.00	2,483	179.43	0.06
34.30	0.00	2,460	179.43	0.06
34.40	0.00	2,438	179.43	0.06
34.50	0.00	2,416	179.42	0.06
34.60	0.00	2,394	179.42	0.06
34.70	0.00	2,373	179.42	0.06
34.80	0.00	2,351	179.41	0.06
34.90	0.00	2,331	179.41	0.06
35.00	0.00	2,310	179.40	0.06
35.10	0.00	2,290	179.40	0.06
35.20	0.00	2,270	179.40	0.06
35.30	0.00	2,250	179.39	0.05
35.40	0.00	2,230	179.39	0.05
35.50	0.00	2,211	179.39	0.05
35.60	0.00	2,192	179.38	0.05
35.70	0.00	2,174	179.38	0.05
35.80	0.00	2,156	179.38	0.05
35.90	0.00	2,138	179.38	0.05
36.00	0.00	2,120	179.37	0.05
36.10	0.00	2,103	179.37	0.05
36.20	0.00	2,086	179.37	0.05
36.30	0.00	2,069	179.36	0.05

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,053	179.36	0.05
36.50	0.00	2,036	179.36	0.04
36.60	0.00	2,021	179.36	0.04
36.70	0.00	2,005	179.35	0.04
36.80	0.00	1,990	179.35	0.04
36.90	0.00	1,975	179.35	0.04
37.00	0.00	1,960	179.35	0.04
37.10	0.00	1,946	179.34	0.04
37.20	0.00	1,932	179.34	0.04
37.30	0.00	1,919	179.34	0.04
37.40	0.00	1,905	179.34	0.04
37.50	0.00	1,892	179.33	0.04
37.60	0.00	1,880	179.33	0.04
37.70	0.00	1,867	179.33	0.03
37.80	0.00	1,855	179.33	0.03
37.90	0.00	1,843	179.33	0.03
38.00	0.00	1,831	179.32	0.03
38.10	0.00	1,820	179.32	0.03
38.20	0.00	1,809	179.32	0.03
38.30	0.00	1,798	179.32	0.03
38.40	0.00	1,787	179.32	0.03
38.50	0.00	1,776	179.31	0.03
38.60	0.00	1,766	179.31	0.03
38.70	0.00	1,756	179.31	0.03
38.80	0.00	1,746	179.31	0.03
38.90	0.00	1,737	179.31	0.03
39.00	0.00	1,727	179.31	0.03
39.10	0.00	1,718	179.30	0.03
39.20	0.00	1,709	179.30	0.02
39.30	0.00	1,700	179.30	0.02
39.40	0.00	1,691	179.30	0.02
39.50	0.00	1,683	179.30	0.02
39.60	0.00	1,674	179.30	0.02
39.70	0.00	1,666	179.29	0.02
39.80	0.00	1,658	179.29	0.02
39.90	0.00	1,650	179.29	0.02
40.00	0.00	1,643	179.29	0.02

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0
179.01	5,518	55
179.02	5,528	110
179.03	5,538	166
179.04	5,548	221
179.05	5,558	277
179.06	5,568	332
179.07	5,578	388
179.08	5,588	444
179.09	5,597	500
179.10	5,607	556
179.11	5,617	612
179.12	5,627	668
179.13	5,637	724
179.14	5,647	781
179.15	5,657	837
179.16	5,667	894
179.17	5,677	951
179.18	5,687	1,008
179.19	5,697	1,064
179.20	5,707	1,121
179.21	5,717	1,179
179.22	5,727	1,236
179.23	5,737	1,293
179.24	5,747	1,351
179.25	5,757	1,408
179.26	5,766	1,466
179.27	5,776	1,523
179.28	5,786	1,581
179.29	5,796	1,639
179.30	5,806	1,697
179.31	5,816	1,755
179.32	5,826	1,813
179.33	5,836	1,872
179.34	5,846	1,930
179.35	5,856	1,989
179.36	5,866	2,047
179.37	5,876	2,106
179.38	5,886	2,165
179.39	5,896	2,224
179.40	5,906	2,283
179.41	5,916	2,342
179.42	5,925	2,401
179.43	5,935	2,460
179.44	5,945	2,520
179.45	5,955	2,579
179.46	5,965	2,639
179.47	5,975	2,699
179.48	5,985	2,758
179.49	5,995	2,818
179.50	6,005	2,878
179.51	6,015	2,938
179.52	6,025	2,999
179.53	6,035	3,059
179.54	6,045	3,119
179.55	6,055	3,180
179.56	6,065	3,240
179.57	6,075	3,301
179.58	6,085	3,362
179.59	6,094	3,423
179.60	6,104	3,484
179.61	6,114	3,545
179.62	6,124	3,606
179.63	6,134	3,667
179.64	6,144	3,729
179.65	6,154	3,790
179.66	6,164	3,852
179.67	6,174	3,913
179.68	6,184	3,975
179.69	6,194	4,037
179.70	6,204	4,099
179.71	6,214	4,161
179.72	6,224	4,223
179.73	6,234	4,286
179.74	6,244	4,348
179.75	6,254	4,411
179.76	6,263	4,473
179.77	6,273	4,536
179.78	6,283	4,599
179.79	6,293	4,661
179.80	6,303	4,724
179.81	6,313	4,788
179.82	6,323	4,851
179.83	6,333	4,914
179.84	6,343	4,977
179.85	6,353	5,041
179.86	6,363	5,104
179.87	6,373	5,168
179.88	6,383	5,232
179.89	6,393	5,296
179.90	6,403	5,360
179.91	6,413	5,424
179.92	6,422	5,488
179.93	6,432	5,552
179.94	6,442	5,617
179.95	6,452	5,681
179.96	6,462	5,746
179.97	6,472	5,810
179.98	6,482	5,875
179.99	6,492	5,940
180.00	6,502	6,005
180.01	6,512	6,070
180.02	6,523	6,135
180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640
181.09	7,652	13,716
181.10	7,663	13,793
181.11	7,674	13,869
181.12	7,685	13,946
181.13	7,696	14,023
181.14	7,707	14,100
181.15	7,718	14,177
181.16	7,729	14,254
181.17	7,740	14,332
181.18	7,751	14,409
181.19	7,762	14,487
181.20	7,773	14,565
181.21	7,784	14,642
181.22	7,795	14,720
181.23	7,806	14,798
181.24	7,817	14,876
181.25	7,829	14,955
181.26	7,840	15,033
181.27	7,851	15,111
181.28	7,862	15,190
181.29	7,873	15,269
181.30	7,884	15,347
181.31	7,895	15,426
181.32	7,906	15,505
181.33	7,917	15,584
181.34	7,928	15,664
181.35	7,939	15,743
181.36	7,950	15,822
181.37	7,961	15,902
181.38	7,972	15,982
181.39	7,983	16,061
181.40	7,994	16,141
181.41	8,005	16,221
181.42	8,017	16,301
181.43	8,028	16,382
181.44	8,039	16,462
181.45	8,050	16,542
181.46	8,061	16,623
181.47	8,072	16,704
181.48	8,083	16,784
181.49	8,094	16,865
181.50	8,105	16,946
181.51	8,116	17,027
181.52	8,127	17,109
181.53	8,138	17,190
181.54	8,149	17,271
181.55	8,160	17,353
181.56	8,171	17,435
181.57	8,182	17,516
181.58	8,193	17,598
181.59	8,205	17,680
181.60	8,216	17,762
181.61	8,227	17,844
181.62	8,238	17,927
181.63	8,249	18,009
181.64	8,260	18,092
181.65	8,271	18,174
181.66	8,282	18,257
181.67	8,293	18,340
181.68	8,304	18,423
181.69	8,315	18,506
181.70	8,326	18,589
181.71	8,337	18,673
181.72	8,348	18,756
181.73	8,359	18,840
181.74	8,370	18,923
181.75	8,382	19,007
181.76	8,393	19,091
181.77	8,404	19,175
181.78	8,415	19,259
181.79	8,426	19,343
181.80	8,437	19,428
181.81	8,448	19,512
181.82	8,459	19,596
181.83	8,470	19,681
181.84	8,481	19,766
181.85	8,492	19,851
181.86	8,503	19,936
181.87	8,514	20,021
181.88	8,525	20,106
181.89	8,536	20,191
181.90	8,547	20,277
181.91	8,558	20,362
181.92	8,570	20,448
181.93	8,581	20,534
181.94	8,592	20,620
181.95	8,603	20,705
181.96	8,614	20,792
181.97	8,625	20,878
181.98	8,636	20,964
181.99	8,647	21,050
182.00	8,658	21,137
182.01	8,670	21,224
182.02	8,681	21,310
182.03	8,693	21,397
182.04	8,705	21,484
182.05	8,716	21,571
182.06	8,728	21,659
182.07	8,739	21,746
182.08	8,751	21,833
182.09	8,763	21,921
182.10	8,774	22,009
182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 3.32" for Current 10 yr event
Inflow = 6.06 cfs @ 12.09 hrs, Volume= 0.383 af
Outflow = 0.17 cfs @ 15.07 hrs, Volume= 0.298 af, Atten= 97%, Lag= 178.6 min
Primary = 0.17 cfs @ 15.07 hrs, Volume= 0.298 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.50' @ 15.07 hrs Surf.Area= 8,649 sf Storage= 11,605 cf

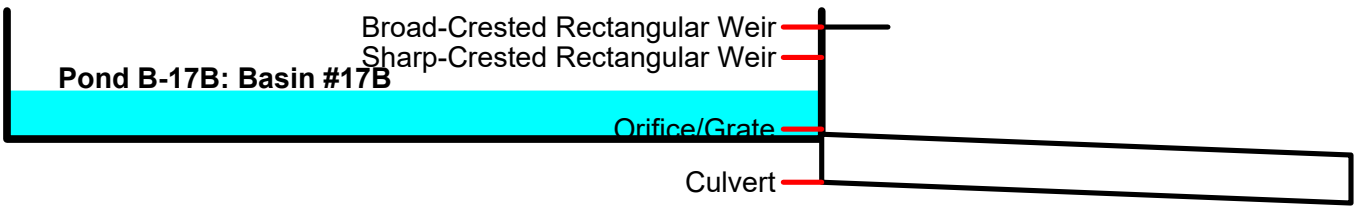
Plug-Flow detention time= 721.0 min calculated for 0.298 af (78% of inflow)
Center-of-Mass det. time= 633.6 min (1,421.4 - 787.8)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

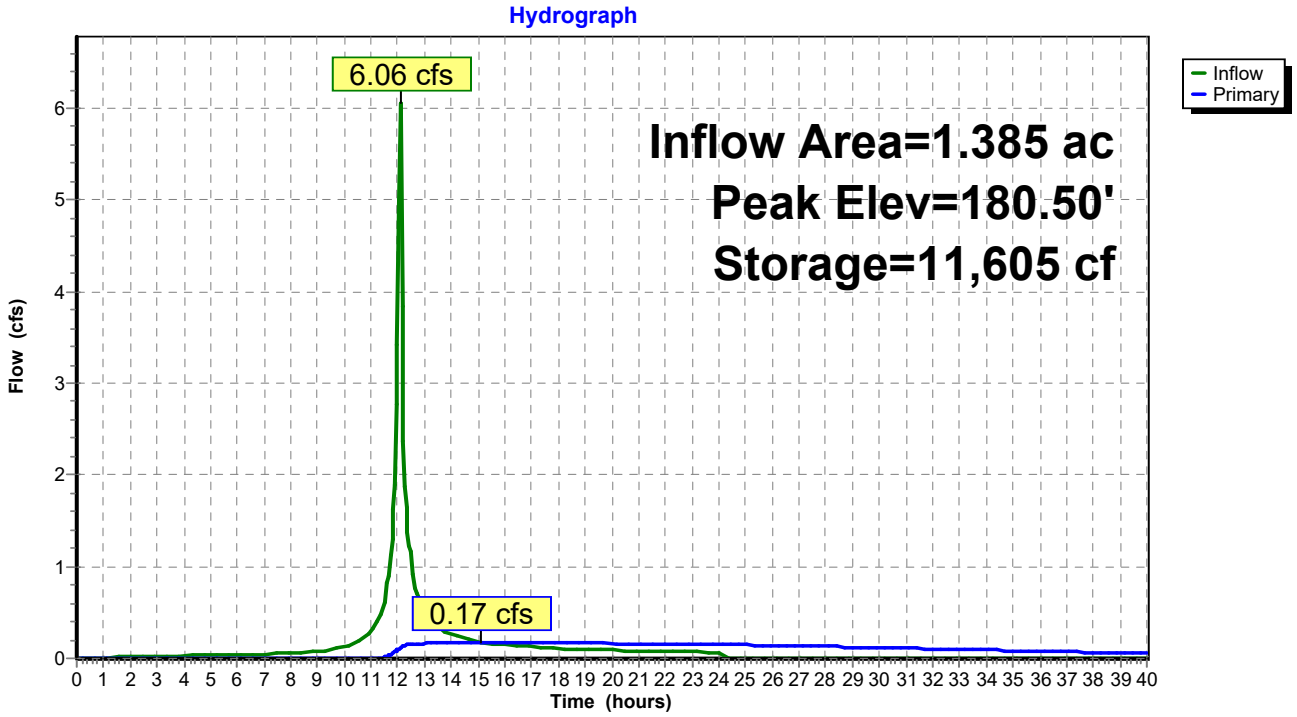
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 15.07 hrs HW=180.50' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 12.33 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.01 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	1	179.00	0.00
1.10	0.00	3	179.00	0.00
1.20	0.01	5	179.00	0.00
1.30	0.01	7	179.00	0.00
1.40	0.01	10	179.00	0.00
1.50	0.01	13	179.00	0.00
1.60	0.01	16	179.00	0.00
1.70	0.01	20	179.00	0.00
1.80	0.01	25	179.00	0.00
1.90	0.01	29	179.00	0.00
2.00	0.01	34	179.00	0.00
2.10	0.02	39	179.01	0.00
2.20	0.02	45	179.01	0.00
2.30	0.02	51	179.01	0.00
2.40	0.02	57	179.01	0.00
2.50	0.02	64	179.01	0.00
2.60	0.02	71	179.01	0.00
2.70	0.02	78	179.01	0.00
2.80	0.02	85	179.01	0.00
2.90	0.02	92	179.01	0.00
3.00	0.02	100	179.01	0.00
3.10	0.02	108	179.02	0.00
3.20	0.02	117	179.02	0.00
3.30	0.02	125	179.02	0.00
3.40	0.02	134	179.02	0.00
3.50	0.03	143	179.02	0.00
3.60	0.03	152	179.02	0.00
3.70	0.03	161	179.02	0.00
3.80	0.03	171	179.02	0.00
3.90	0.03	180	179.03	0.00
4.00	0.03	190	179.03	0.00
4.10	0.03	200	179.03	0.00
4.20	0.03	211	179.03	0.00
4.30	0.03	221	179.03	0.00
4.40	0.03	232	179.03	0.00
4.50	0.03	243	179.04	0.00
4.60	0.03	254	179.04	0.00
4.70	0.03	265	179.04	0.00
4.80	0.03	276	179.04	0.00
4.90	0.03	288	179.04	0.00
5.00	0.03	299	179.04	0.00
5.10	0.03	311	179.05	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	323	179.05	0.00
5.30	0.03	335	179.05	0.00
5.40	0.03	347	179.05	0.00
5.50	0.03	360	179.05	0.00
5.60	0.04	372	179.05	0.00
5.70	0.04	385	179.06	0.00
5.80	0.04	398	179.06	0.00
5.90	0.04	411	179.06	0.00
6.00	0.04	424	179.06	0.00
6.10	0.04	438	179.06	0.00
6.20	0.04	451	179.07	0.00
6.30	0.04	466	179.07	0.00
6.40	0.04	480	179.07	0.00
6.50	0.04	495	179.07	0.00
6.60	0.04	511	179.07	0.00
6.70	0.04	526	179.08	0.00
6.80	0.05	542	179.08	0.00
6.90	0.05	559	179.08	0.00
7.00	0.05	576	179.08	0.00
7.10	0.05	593	179.09	0.00
7.20	0.05	611	179.09	0.00
7.30	0.05	629	179.09	0.00
7.40	0.05	648	179.09	0.00
7.50	0.05	667	179.10	0.00
7.60	0.05	686	179.10	0.00
7.70	0.06	706	179.10	0.00
7.80	0.06	726	179.10	0.00
7.90	0.06	746	179.11	0.00
8.00	0.06	767	179.11	0.00
8.10	0.06	789	179.11	0.00
8.20	0.06	811	179.12	0.00
8.30	0.06	833	179.12	0.00
8.40	0.06	855	179.12	0.00
8.50	0.06	878	179.13	0.00
8.60	0.07	902	179.13	0.00
8.70	0.07	925	179.13	0.00
8.80	0.07	949	179.14	0.00
8.90	0.07	974	179.14	0.00
9.00	0.07	1,000	179.14	0.00
9.10	0.08	1,027	179.15	0.00
9.20	0.08	1,055	179.15	0.00
9.30	0.09	1,086	179.16	0.00
9.40	0.09	1,119	179.16	0.00
9.50	0.10	1,153	179.17	0.00
9.60	0.10	1,190	179.17	0.00
9.70	0.11	1,229	179.18	0.00
9.80	0.12	1,270	179.18	0.00
9.90	0.12	1,313	179.19	0.00
10.00	0.13	1,359	179.19	0.00
10.10	0.14	1,407	179.20	0.00
10.20	0.14	1,458	179.21	0.00
10.30	0.15	1,511	179.22	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.16	1,567	179.22	0.00
10.50	0.17	1,625	179.23	0.00
10.60	0.19	1,689	179.24	0.00
10.70	0.21	1,761	179.25	0.00
10.80	0.23	1,842	179.26	0.00
10.90	0.26	1,931	179.28	0.00
11.00	0.29	2,029	179.29	0.00
11.10	0.33	2,141	179.30	0.00
11.20	0.38	2,269	179.32	0.00
11.30	0.43	2,415	179.34	0.00
11.40	0.48	2,577	179.36	0.01
11.50	0.53	2,757	179.39	0.01
11.60	0.83	3,001	179.42	0.02
11.70	0.92	3,306	179.46	0.04
11.80	1.29	3,694	179.52	0.05
11.90	1.88	4,253	179.59	0.07
12.00	3.42	5,201	179.71	0.09
12.10	**6.01**	6,910	179.93	0.12
12.20	2.37	8,310	180.11	0.14
12.30	1.65	8,960	180.19	0.14
12.40	1.22	9,414	180.24	0.15
12.50	1.15	9,783	180.28	0.15
12.60	0.76	10,064	180.32	0.16
12.70	0.71	10,270	180.34	0.16
12.80	0.65	10,455	180.36	0.16
12.90	0.59	10,618	180.38	0.16
13.00	0.53	10,758	180.40	0.16
13.10	0.47	10,877	180.41	0.16
13.20	0.43	10,978	180.43	0.17
13.30	0.40	11,067	180.44	0.17
13.40	0.37	11,144	180.45	0.17
13.50	0.33	11,209	180.45	0.17
13.60	0.30	11,262	180.46	0.17
13.70	0.29	11,307	180.46	0.17
13.80	0.28	11,349	180.47	0.17
13.90	0.27	11,388	180.47	0.17
14.00	0.26	11,424	180.48	0.17
14.10	0.26	11,456	180.48	0.17
14.20	0.25	11,485	180.49	0.17
14.30	0.24	11,512	180.49	0.17
14.40	0.23	11,534	180.49	0.17
14.50	0.22	11,554	180.49	0.17
14.60	0.21	11,571	180.49	0.17
14.70	0.20	11,584	180.50	0.17
14.80	0.20	11,594	180.50	0.17
14.90	0.19	11,601	180.50	0.17
15.00	0.18	**11,604**	**180.50**	**0.17**
15.10	0.17	**11,605**	**180.50**	**0.17**
15.20	0.17	11,604	180.50	0.17
15.30	0.16	11,601	180.50	0.17
15.40	0.16	11,598	180.50	0.17
15.50	0.16	11,594	180.50	0.17

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	11,590	180.50	0.17
15.70	0.15	11,584	180.50	0.17
15.80	0.15	11,578	180.50	0.17
15.90	0.15	11,571	180.49	0.17
16.00	0.15	11,563	180.49	0.17
16.10	0.15	11,554	180.49	0.17
16.20	0.14	11,545	180.49	0.17
16.30	0.14	11,534	180.49	0.17
16.40	0.14	11,523	180.49	0.17
16.50	0.14	11,511	180.49	0.17
16.60	0.13	11,499	180.49	0.17
16.70	0.13	11,485	180.48	0.17
16.80	0.13	11,471	180.48	0.17
16.90	0.13	11,456	180.48	0.17
17.00	0.12	11,440	180.48	0.17
17.10	0.12	11,423	180.48	0.17
17.20	0.12	11,406	180.48	0.17
17.30	0.12	11,387	180.47	0.17
17.40	0.11	11,368	180.47	0.17
17.50	0.11	11,348	180.47	0.17
17.60	0.11	11,328	180.47	0.17
17.70	0.11	11,306	180.46	0.17
17.80	0.11	11,284	180.46	0.17
17.90	0.10	11,261	180.46	0.17
18.00	0.10	11,237	180.46	0.17
18.10	0.10	11,213	180.45	0.17
18.20	0.10	11,188	180.45	0.17
18.30	0.10	11,163	180.45	0.17
18.40	0.10	11,137	180.44	0.17
18.50	0.10	11,112	180.44	0.17
18.60	0.10	11,087	180.44	0.17
18.70	0.09	11,061	180.44	0.17
18.80	0.09	11,035	180.43	0.17
18.90	0.09	11,010	180.43	0.17
19.00	0.09	10,984	180.43	0.17
19.10	0.09	10,958	180.42	0.16
19.20	0.09	10,931	180.42	0.16
19.30	0.09	10,905	180.42	0.16
19.40	0.09	10,879	180.41	0.16
19.50	0.09	10,852	180.41	0.16
19.60	0.09	10,825	180.41	0.16
19.70	0.09	10,799	180.40	0.16
19.80	0.09	10,772	180.40	0.16
19.90	0.09	10,745	180.40	0.16
20.00	0.09	10,718	180.40	0.16
20.10	0.09	10,690	180.39	0.16
20.20	0.09	10,663	180.39	0.16
20.30	0.09	10,636	180.39	0.16
20.40	0.08	10,608	180.38	0.16
20.50	0.08	10,580	180.38	0.16
20.60	0.08	10,553	180.38	0.16
20.70	0.08	10,525	180.37	0.16

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	10,497	180.37	0.16
20.90	0.08	10,469	180.37	0.16
21.00	0.08	10,440	180.36	0.16
21.10	0.08	10,412	180.36	0.16
21.20	0.08	10,383	180.36	0.16
21.30	0.08	10,355	180.35	0.16
21.40	0.08	10,326	180.35	0.16
21.50	0.08	10,297	180.35	0.16
21.60	0.08	10,268	180.34	0.16
21.70	0.08	10,239	180.34	0.16
21.80	0.08	10,210	180.34	0.16
21.90	0.08	10,181	180.33	0.16
22.00	0.08	10,152	180.33	0.16
22.10	0.07	10,122	180.33	0.16
22.20	0.07	10,093	180.32	0.16
22.30	0.07	10,063	180.32	0.16
22.40	0.07	10,033	180.31	0.16
22.50	0.07	10,003	180.31	0.16
22.60	0.07	9,974	180.31	0.16
22.70	0.07	9,943	180.30	0.15
22.80	0.07	9,913	180.30	0.15
22.90	0.07	9,883	180.30	0.15
23.00	0.07	9,853	180.29	0.15
23.10	0.07	9,822	180.29	0.15
23.20	0.07	9,791	180.29	0.15
23.30	0.07	9,761	180.28	0.15
23.40	0.07	9,730	180.28	0.15
23.50	0.07	9,699	180.27	0.15
23.60	0.07	9,668	180.27	0.15
23.70	0.07	9,637	180.27	0.15
23.80	0.06	9,606	180.26	0.15
23.90	0.06	9,575	180.26	0.15
24.00	0.08	9,546	180.26	0.15
24.10	0.00	9,505	180.25	0.15
24.20	0.00	9,451	180.25	0.15
24.30	0.00	9,398	180.24	0.15
24.40	0.00	9,344	180.23	0.15
24.50	0.00	9,291	180.23	0.15
24.60	0.00	9,238	180.22	0.15
24.70	0.00	9,185	180.21	0.15
24.80	0.00	9,132	180.21	0.15
24.90	0.00	9,079	180.20	0.15
25.00	0.00	9,027	180.19	0.14
25.10	0.00	8,975	180.19	0.14
25.20	0.00	8,923	180.18	0.14
25.30	0.00	8,872	180.18	0.14
25.40	0.00	8,820	180.17	0.14
25.50	0.00	8,769	180.16	0.14
25.60	0.00	8,718	180.16	0.14
25.70	0.00	8,667	180.15	0.14
25.80	0.00	8,616	180.14	0.14
25.90	0.00	8,566	180.14	0.14

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,516	180.13	0.14
26.10	0.00	8,466	180.13	0.14
26.20	0.00	8,416	180.12	0.14
26.30	0.00	8,367	180.11	0.14
26.40	0.00	8,317	180.11	0.14
26.50	0.00	8,268	180.10	0.14
26.60	0.00	8,219	180.10	0.14
26.70	0.00	8,171	180.09	0.13
26.80	0.00	8,122	180.08	0.13
26.90	0.00	8,074	180.08	0.13
27.00	0.00	8,026	180.07	0.13
27.10	0.00	7,978	180.07	0.13
27.20	0.00	7,931	180.06	0.13
27.30	0.00	7,883	180.05	0.13
27.40	0.00	7,836	180.05	0.13
27.50	0.00	7,789	180.04	0.13
27.60	0.00	7,742	180.04	0.13
27.70	0.00	7,696	180.03	0.13
27.80	0.00	7,649	180.03	0.13
27.90	0.00	7,603	180.02	0.13
28.00	0.00	7,558	180.01	0.13
28.10	0.00	7,512	180.01	0.13
28.20	0.00	7,466	180.00	0.13
28.30	0.00	7,421	180.00	0.13
28.40	0.00	7,376	179.99	0.12
28.50	0.00	7,331	179.99	0.12
28.60	0.00	7,287	179.98	0.12
28.70	0.00	7,243	179.97	0.12
28.80	0.00	7,198	179.97	0.12
28.90	0.00	7,154	179.96	0.12
29.00	0.00	7,111	179.96	0.12
29.10	0.00	7,067	179.95	0.12
29.20	0.00	7,024	179.95	0.12
29.30	0.00	6,981	179.94	0.12
29.40	0.00	6,938	179.94	0.12
29.50	0.00	6,896	179.93	0.12
29.60	0.00	6,853	179.93	0.12
29.70	0.00	6,811	179.92	0.12
29.80	0.00	6,769	179.92	0.12
29.90	0.00	6,727	179.91	0.12
30.00	0.00	6,686	179.90	0.11
30.10	0.00	6,645	179.90	0.11
30.20	0.00	6,604	179.89	0.11
30.30	0.00	6,563	179.89	0.11
30.40	0.00	6,522	179.88	0.11
30.50	0.00	6,482	179.88	0.11
30.60	0.00	6,442	179.87	0.11
30.70	0.00	6,402	179.87	0.11
30.80	0.00	6,362	179.86	0.11
30.90	0.00	6,322	179.86	0.11
31.00	0.00	6,283	179.85	0.11
31.10	0.00	6,244	179.85	0.11

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,205	179.84	0.11
31.30	0.00	6,167	179.84	0.11
31.40	0.00	6,128	179.83	0.11
31.50	0.00	6,090	179.83	0.11
31.60	0.00	6,052	179.82	0.11
31.70	0.00	6,014	179.82	0.10
31.80	0.00	5,977	179.81	0.10
31.90	0.00	5,939	179.81	0.10
32.00	0.00	5,902	179.81	0.10
32.10	0.00	5,866	179.80	0.10
32.20	0.00	5,829	179.80	0.10
32.30	0.00	5,793	179.79	0.10
32.40	0.00	5,756	179.79	0.10
32.50	0.00	5,720	179.78	0.10
32.60	0.00	5,685	179.78	0.10
32.70	0.00	5,649	179.77	0.10
32.80	0.00	5,614	179.77	0.10
32.90	0.00	5,579	179.76	0.10
33.00	0.00	5,544	179.76	0.10
33.10	0.00	5,510	179.75	0.10
33.20	0.00	5,475	179.75	0.10
33.30	0.00	5,441	179.75	0.09
33.40	0.00	5,407	179.74	0.09
33.50	0.00	5,373	179.74	0.09
33.60	0.00	5,340	179.73	0.09
33.70	0.00	5,307	179.73	0.09
33.80	0.00	5,274	179.72	0.09
33.90	0.00	5,241	179.72	0.09
34.00	0.00	5,208	179.72	0.09
34.10	0.00	5,176	179.71	0.09
34.20	0.00	5,144	179.71	0.09
34.30	0.00	5,112	179.70	0.09
34.40	0.00	5,081	179.70	0.09
34.50	0.00	5,049	179.70	0.09
34.60	0.00	5,018	179.69	0.09
34.70	0.00	4,987	179.69	0.09
34.80	0.00	4,956	179.68	0.09
34.90	0.00	4,926	179.68	0.08
35.00	0.00	4,895	179.67	0.08
35.10	0.00	4,865	179.67	0.08
35.20	0.00	4,836	179.67	0.08
35.30	0.00	4,806	179.66	0.08
35.40	0.00	4,777	179.66	0.08
35.50	0.00	4,748	179.66	0.08
35.60	0.00	4,719	179.65	0.08
35.70	0.00	4,690	179.65	0.08
35.80	0.00	4,662	179.64	0.08
35.90	0.00	4,633	179.64	0.08
36.00	0.00	4,605	179.64	0.08
36.10	0.00	4,578	179.63	0.08
36.20	0.00	4,550	179.63	0.08
36.30	0.00	4,523	179.63	0.08

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,496	179.62	0.07
36.50	0.00	4,469	179.62	0.07
36.60	0.00	4,442	179.62	0.07
36.70	0.00	4,416	179.61	0.07
36.80	0.00	4,390	179.61	0.07
36.90	0.00	4,364	179.61	0.07
37.00	0.00	4,338	179.60	0.07
37.10	0.00	4,313	179.60	0.07
37.20	0.00	4,287	179.60	0.07
37.30	0.00	4,262	179.59	0.07
37.40	0.00	4,238	179.59	0.07
37.50	0.00	4,213	179.59	0.07
37.60	0.00	4,189	179.58	0.07
37.70	0.00	4,165	179.58	0.07
37.80	0.00	4,141	179.58	0.07
37.90	0.00	4,117	179.57	0.07
38.00	0.00	4,094	179.57	0.06
38.10	0.00	4,071	179.57	0.06
38.20	0.00	4,048	179.56	0.06
38.30	0.00	4,025	179.56	0.06
38.40	0.00	4,003	179.56	0.06
38.50	0.00	3,981	179.55	0.06
38.60	0.00	3,959	179.55	0.06
38.70	0.00	3,937	179.55	0.06
38.80	0.00	3,916	179.55	0.06
38.90	0.00	3,894	179.54	0.06
39.00	0.00	3,873	179.54	0.06
39.10	0.00	3,852	179.54	0.06
39.20	0.00	3,832	179.53	0.06
39.30	0.00	3,812	179.53	0.06
39.40	0.00	3,792	179.53	0.06
39.50	0.00	3,772	179.53	0.05
39.60	0.00	3,752	179.52	0.05
39.70	0.00	3,733	179.52	0.05
39.80	0.00	3,713	179.52	0.05
39.90	0.00	3,694	179.52	0.05
40.00	0.00	3,676	179.51	0.05

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 3.34" for Current 10 yr event
Inflow = 5.88 cfs @ 12.10 hrs, Volume= 0.528 af
Outflow = 2.54 cfs @ 12.39 hrs, Volume= 0.457 af, Atten= 57%, Lag= 17.6 min
Primary = 2.54 cfs @ 12.39 hrs, Volume= 0.457 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.07' @ 12.39 hrs Surf.Area= 8,500 sf Storage= 8,577 cf

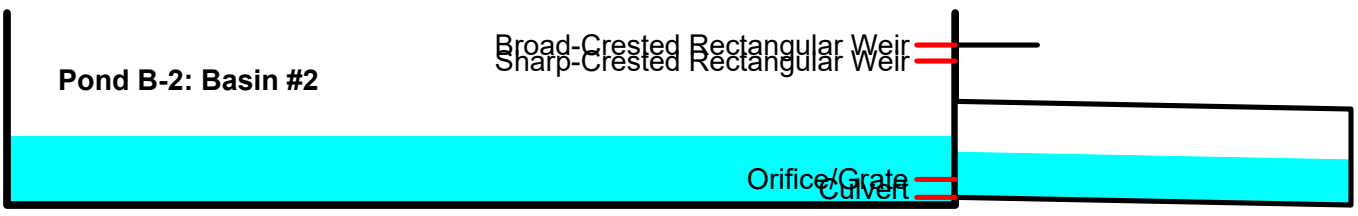
Plug-Flow detention time= 151.1 min calculated for 0.457 af (87% of inflow)
Center-of-Mass det. time= 86.3 min (877.7 - 791.4)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

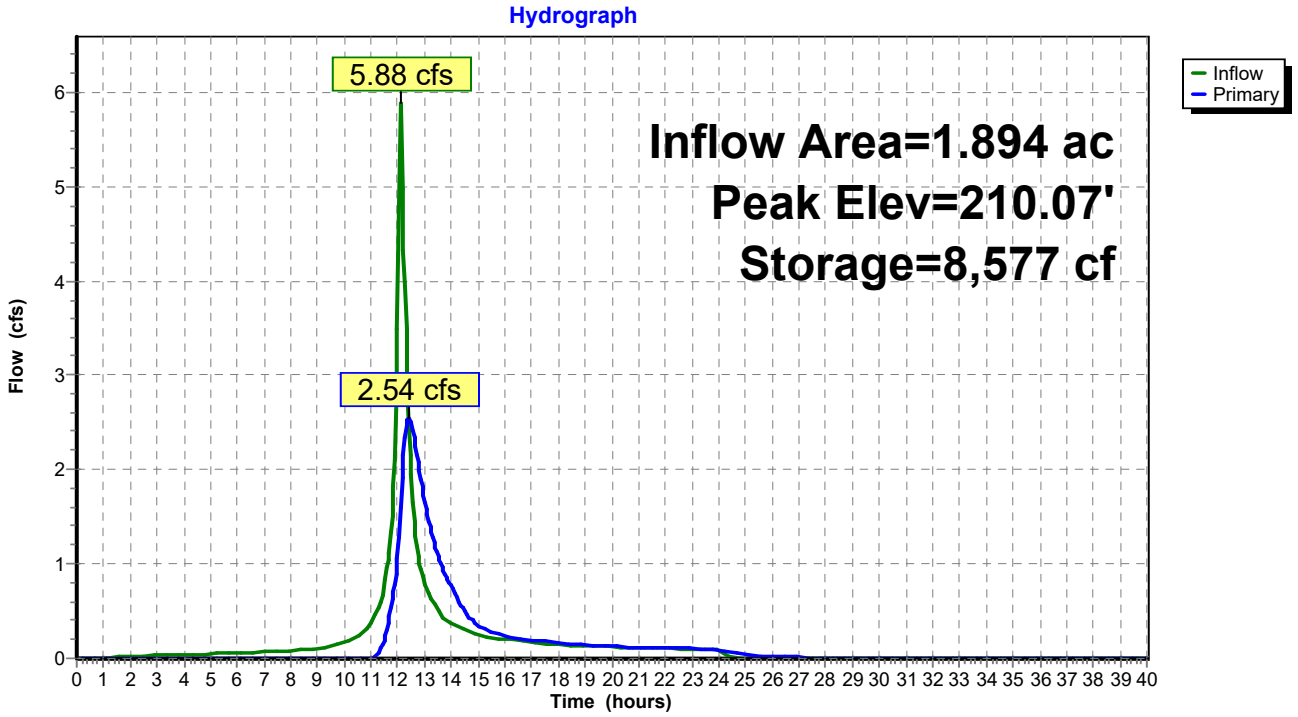
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.54 cfs @ 12.39 hrs HW=210.07' (Free Discharge)
- **1=Culvert** (Barrel Controls 2.54 cfs @ 3.06 fps)
  - **2=Orifice/Grate** (Passes 2.54 cfs of 4.62 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	1	209.00	0.00
1.00	0.00	2	209.00	0.00
1.10	0.01	4	209.00	0.00
1.20	0.01	6	209.00	0.00
1.30	0.01	10	209.00	0.00
1.40	0.01	13	209.00	0.00
1.50	0.01	18	209.00	0.00
1.60	0.01	23	209.00	0.00
1.70	0.02	28	209.00	0.00
1.80	0.02	34	209.00	0.00
1.90	0.02	41	209.01	0.00
2.00	0.02	48	209.01	0.00
2.10	0.02	56	209.01	0.00
2.20	0.02	63	209.01	0.00
2.30	0.02	72	209.01	0.00
2.40	0.02	81	209.01	0.00
2.50	0.03	90	209.01	0.00
2.60	0.03	99	209.01	0.00
2.70	0.03	109	209.01	0.00
2.80	0.03	119	209.02	0.00
2.90	0.03	130	209.02	0.00
3.00	0.03	141	209.02	0.00
3.10	0.03	152	209.02	0.00
3.20	0.03	164	209.02	0.00
3.30	0.03	176	209.02	0.00
3.40	0.03	188	209.03	0.00
3.50	0.04	201	209.03	0.00
3.60	0.04	214	209.03	0.00
3.70	0.04	227	209.03	0.00
3.80	0.04	240	209.03	0.00
3.90	0.04	254	209.03	0.00
4.00	0.04	268	209.04	0.00
4.10	0.04	282	209.04	0.00
4.20	0.04	296	209.04	0.00
4.30	0.04	311	209.04	0.00
4.40	0.04	326	209.04	0.00
4.50	0.04	342	209.05	0.00
4.60	0.04	357	209.05	0.00
4.70	0.04	373	209.05	0.00
4.80	0.04	389	209.05	0.00
4.90	0.05	405	209.05	0.00
5.00	0.05	421	209.06	0.00
5.10	0.05	438	209.06	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	455	209.06	0.00
5.30	0.05	472	209.06	0.00
5.40	0.05	489	209.06	0.00
5.50	0.05	507	209.07	0.00
5.60	0.05	524	209.07	0.00
5.70	0.05	542	209.07	0.00
5.80	0.05	560	209.07	0.00
5.90	0.05	579	209.08	0.00
6.00	0.05	597	209.08	0.00
6.10	0.05	616	209.08	0.00
6.20	0.05	635	209.08	0.00
6.30	0.06	655	209.09	0.00
6.40	0.06	676	209.09	0.00
6.50	0.06	697	209.09	0.00
6.60	0.06	719	209.10	0.00
6.70	0.06	741	209.10	0.00
6.80	0.06	764	209.10	0.00
6.90	0.07	787	209.10	0.00
7.00	0.07	811	209.11	0.00
7.10	0.07	835	209.11	0.00
7.20	0.07	860	209.11	0.00
7.30	0.07	886	209.12	0.00
7.40	0.07	912	209.12	0.00
7.50	0.07	939	209.12	0.00
7.60	0.08	966	209.13	0.00
7.70	0.08	994	209.13	0.00
7.80	0.08	1,022	209.14	0.00
7.90	0.08	1,051	209.14	0.00
8.00	0.08	1,081	209.14	0.00
8.10	0.08	1,111	209.15	0.00
8.20	0.09	1,141	209.15	0.00
8.30	0.09	1,172	209.15	0.00
8.40	0.09	1,204	209.16	0.00
8.50	0.09	1,236	209.16	0.00
8.60	0.09	1,269	209.17	0.00
8.70	0.09	1,303	209.17	0.00
8.80	0.10	1,337	209.18	0.00
8.90	0.10	1,371	209.18	0.00
9.00	0.10	1,407	209.19	0.00
9.10	0.11	1,444	209.19	0.00
9.20	0.11	1,483	209.20	0.00
9.30	0.12	1,525	209.20	0.00
9.40	0.13	1,570	209.21	0.00
9.50	0.13	1,617	209.21	0.00
9.60	0.14	1,667	209.22	0.00
9.70	0.15	1,720	209.23	0.00
9.80	0.16	1,775	209.23	0.00
9.90	0.17	1,834	209.24	0.00
10.00	0.18	1,896	209.25	0.00
10.10	0.18	1,961	209.26	0.00
10.20	0.19	2,029	209.27	0.00
10.30	0.20	2,101	209.28	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.21	2,176	209.29	0.00
10.50	0.22	2,255	209.30	0.00
10.60	0.25	2,340	209.31	0.00
10.70	0.28	2,435	209.32	0.00
10.80	0.31	2,541	209.33	0.00
10.90	0.34	2,658	209.35	0.00
11.00	0.37	2,786	209.36	0.00
11.10	0.43	2,931	209.38	0.00
11.20	0.48	3,095	209.40	0.00
11.30	0.55	3,274	209.43	0.04
11.40	0.61	3,458	209.45	0.10
11.50	0.68	3,639	209.47	0.19
11.60	0.97	3,853	209.50	0.30
11.70	1.12	4,095	209.53	0.45
11.80	1.50	4,378	209.56	0.63
11.90	2.10	4,774	209.61	0.79
12.00	3.50	5,465	209.70	1.05
12.10	**5.88**	6,706	209.85	1.60
12.20	4.33	7,837	209.98	2.15
12.30	3.49	8,424	210.05	2.46
12.40	2.46	**8,577**	**210.07**	**2.54**
12.50	1.94	8,457	210.06	2.48
12.60	1.44	8,190	210.03	2.34
12.70	1.19	7,852	209.99	2.16
12.80	1.01	7,498	209.94	1.98
12.90	0.89	7,156	209.90	1.81
13.00	0.80	6,835	209.86	1.66
13.10	0.71	6,535	209.83	1.52
13.20	0.65	6,256	209.79	1.39
13.30	0.59	5,998	209.76	1.28
13.40	0.54	5,761	209.73	1.18
13.50	0.50	5,541	209.71	1.08
13.60	0.45	5,336	209.68	1.00
13.70	0.42	5,146	209.66	0.93
13.80	0.40	4,973	209.64	0.86
13.90	0.39	4,815	209.62	0.80
14.00	0.37	4,673	209.60	0.75
14.10	0.36	4,543	209.58	0.70
14.20	0.35	4,425	209.57	0.66
14.30	0.34	4,323	209.56	0.60
14.40	0.33	4,238	209.55	0.54
14.50	0.31	4,168	209.54	0.49
14.60	0.30	4,108	209.53	0.45
14.70	0.29	4,057	209.52	0.42
14.80	0.28	4,013	209.52	0.39
14.90	0.27	3,973	209.51	0.37
15.00	0.25	3,938	209.51	0.35
15.10	0.24	3,906	209.50	0.33
15.20	0.23	3,876	209.50	0.31
15.30	0.23	3,850	209.50	0.30
15.40	0.22	3,827	209.49	0.28
15.50	0.22	3,807	209.49	0.27

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.22	3,789	209.49	0.26
15.70	0.21	3,774	209.49	0.25
15.80	0.21	3,760	209.49	0.25
15.90	0.21	3,748	209.49	0.24
16.00	0.21	3,737	209.48	0.23
16.10	0.20	3,727	209.48	0.23
16.20	0.20	3,718	209.48	0.22
16.30	0.20	3,709	209.48	0.22
16.40	0.19	3,701	209.48	0.21
16.50	0.19	3,693	209.48	0.21
16.60	0.19	3,685	209.48	0.21
16.70	0.18	3,678	209.48	0.20
16.80	0.18	3,670	209.48	0.20
16.90	0.18	3,663	209.47	0.20
17.00	0.17	3,655	209.47	0.19
17.10	0.17	3,648	209.47	0.19
17.20	0.17	3,641	209.47	0.19
17.30	0.16	3,634	209.47	0.18
17.40	0.16	3,626	209.47	0.18
17.50	0.16	3,619	209.47	0.18
17.60	0.15	3,612	209.47	0.17
17.70	0.15	3,605	209.47	0.17
17.80	0.15	3,598	209.47	0.17
17.90	0.14	3,591	209.47	0.16
18.00	0.14	3,584	209.46	0.16
18.10	0.14	3,577	209.46	0.16
18.20	0.14	3,570	209.46	0.15
18.30	0.13	3,563	209.46	0.15
18.40	0.13	3,558	209.46	0.15
18.50	0.13	3,552	209.46	0.15
18.60	0.13	3,548	209.46	0.14
18.70	0.13	3,543	209.46	0.14
18.80	0.13	3,539	209.46	0.14
18.90	0.13	3,536	209.46	0.14
19.00	0.13	3,533	209.46	0.14
19.10	0.13	3,530	209.46	0.14
19.20	0.13	3,527	209.46	0.13
19.30	0.13	3,524	209.46	0.13
19.40	0.12	3,522	209.46	0.13
19.50	0.12	3,519	209.46	0.13
19.60	0.12	3,517	209.46	0.13
19.70	0.12	3,515	209.46	0.13
19.80	0.12	3,513	209.46	0.13
19.90	0.12	3,511	209.46	0.13
20.00	0.12	3,509	209.45	0.13
20.10	0.12	3,507	209.45	0.12
20.20	0.12	3,505	209.45	0.12
20.30	0.12	3,503	209.45	0.12
20.40	0.12	3,501	209.45	0.12
20.50	0.12	3,499	209.45	0.12
20.60	0.12	3,497	209.45	0.12
20.70	0.11	3,495	209.45	0.12

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	3,494	209.45	0.12
20.90	0.11	3,492	209.45	0.12
21.00	0.11	3,490	209.45	0.12
21.10	0.11	3,488	209.45	0.12
21.20	0.11	3,486	209.45	0.12
21.30	0.11	3,485	209.45	0.11
21.40	0.11	3,483	209.45	0.11
21.50	0.11	3,481	209.45	0.11
21.60	0.11	3,479	209.45	0.11
21.70	0.11	3,478	209.45	0.11
21.80	0.11	3,476	209.45	0.11
21.90	0.10	3,474	209.45	0.11
22.00	0.10	3,472	209.45	0.11
22.10	0.10	3,471	209.45	0.11
22.20	0.10	3,469	209.45	0.11
22.30	0.10	3,467	209.45	0.11
22.40	0.10	3,465	209.45	0.11
22.50	0.10	3,463	209.45	0.11
22.60	0.10	3,461	209.45	0.10
22.70	0.10	3,459	209.45	0.10
22.80	0.10	3,457	209.45	0.10
22.90	0.10	3,455	209.45	0.10
23.00	0.10	3,453	209.45	0.10
23.10	0.10	3,450	209.45	0.10
23.20	0.09	3,448	209.45	0.10
23.30	0.09	3,446	209.45	0.10
23.40	0.09	3,444	209.45	0.10
23.50	0.09	3,441	209.45	0.10
23.60	0.09	3,439	209.45	0.10
23.70	0.09	3,437	209.45	0.10
23.80	0.09	3,435	209.45	0.10
23.90	0.09	3,432	209.45	0.09
24.00	0.10	3,432	209.45	0.09
24.10	0.05	3,424	209.44	0.09
24.20	0.03	3,407	209.44	0.09
24.30	0.01	3,384	209.44	0.08
24.40	0.00	3,359	209.44	0.07
24.50	0.00	3,336	209.43	0.06
24.60	0.00	3,315	209.43	0.06
24.70	0.00	3,297	209.43	0.05
24.80	0.00	3,280	209.43	0.04
24.90	0.00	3,265	209.42	0.04
25.00	0.00	3,252	209.42	0.03
25.10	0.00	3,241	209.42	0.03
25.20	0.00	3,231	209.42	0.03
25.30	0.00	3,221	209.42	0.03
25.40	0.00	3,212	209.42	0.02
25.50	0.00	3,204	209.42	0.02
25.60	0.00	3,196	209.42	0.02
25.70	0.00	3,189	209.41	0.02
25.80	0.00	3,182	209.41	0.02
25.90	0.00	3,176	209.41	0.02

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,169	209.41	0.02
26.10	0.00	3,164	209.41	0.02
26.20	0.00	3,158	209.41	0.01
26.30	0.00	3,153	209.41	0.01
26.40	0.00	3,149	209.41	0.01
26.50	0.00	3,144	209.41	0.01
26.60	0.00	3,140	209.41	0.01
26.70	0.00	3,136	209.41	0.01
26.80	0.00	3,132	209.41	0.01
26.90	0.00	3,129	209.41	0.01
27.00	0.00	3,126	209.41	0.01
27.10	0.00	3,123	209.41	0.01
27.20	0.00	3,120	209.41	0.01
27.30	0.00	3,117	209.41	0.01
27.40	0.00	3,114	209.41	0.01
27.50	0.00	3,112	209.40	0.01
27.60	0.00	3,110	209.40	0.01
27.70	0.00	3,108	209.40	0.01
27.80	0.00	3,106	209.40	0.01
27.90	0.00	3,104	209.40	0.01
28.00	0.00	3,102	209.40	0.00
28.10	0.00	3,100	209.40	0.00
28.20	0.00	3,099	209.40	0.00
28.30	0.00	3,097	209.40	0.00
28.40	0.00	3,096	209.40	0.00
28.50	0.00	3,095	209.40	0.00
28.60	0.00	3,094	209.40	0.00
28.70	0.00	3,092	209.40	0.00
28.80	0.00	3,091	209.40	0.00
28.90	0.00	3,090	209.40	0.00
29.00	0.00	3,089	209.40	0.00
29.10	0.00	3,089	209.40	0.00
29.20	0.00	3,088	209.40	0.00
29.30	0.00	3,087	209.40	0.00
29.40	0.00	3,086	209.40	0.00
29.50	0.00	3,086	209.40	0.00
29.60	0.00	3,085	209.40	0.00
29.70	0.00	3,084	209.40	0.00
29.80	0.00	3,084	209.40	0.00
29.90	0.00	3,083	209.40	0.00
30.00	0.00	3,083	209.40	0.00
30.10	0.00	3,082	209.40	0.00
30.20	0.00	3,082	209.40	0.00
30.30	0.00	3,081	209.40	0.00
30.40	0.00	3,081	209.40	0.00
30.50	0.00	3,081	209.40	0.00
30.60	0.00	3,080	209.40	0.00
30.70	0.00	3,080	209.40	0.00
30.80	0.00	3,080	209.40	0.00
30.90	0.00	3,079	209.40	0.00
31.00	0.00	3,079	209.40	0.00
31.10	0.00	3,079	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,079	209.40	0.00
31.30	0.00	3,078	209.40	0.00
31.40	0.00	3,078	209.40	0.00
31.50	0.00	3,078	209.40	0.00
31.60	0.00	3,078	209.40	0.00
31.70	0.00	3,078	209.40	0.00
31.80	0.00	3,077	209.40	0.00
31.90	0.00	3,077	209.40	0.00
32.00	0.00	3,077	209.40	0.00
32.10	0.00	3,077	209.40	0.00
32.20	0.00	3,077	209.40	0.00
32.30	0.00	3,077	209.40	0.00
32.40	0.00	3,077	209.40	0.00
32.50	0.00	3,076	209.40	0.00
32.60	0.00	3,076	209.40	0.00
32.70	0.00	3,076	209.40	0.00
32.80	0.00	3,076	209.40	0.00
32.90	0.00	3,076	209.40	0.00
33.00	0.00	3,076	209.40	0.00
33.10	0.00	3,076	209.40	0.00
33.20	0.00	3,076	209.40	0.00
33.30	0.00	3,076	209.40	0.00
33.40	0.00	3,076	209.40	0.00
33.50	0.00	3,076	209.40	0.00
33.60	0.00	3,076	209.40	0.00
33.70	0.00	3,076	209.40	0.00
33.80	0.00	3,076	209.40	0.00
33.90	0.00	3,075	209.40	0.00
34.00	0.00	3,075	209.40	0.00
34.10	0.00	3,075	209.40	0.00
34.20	0.00	3,075	209.40	0.00
34.30	0.00	3,075	209.40	0.00
34.40	0.00	3,075	209.40	0.00
34.50	0.00	3,075	209.40	0.00
34.60	0.00	3,075	209.40	0.00
34.70	0.00	3,075	209.40	0.00
34.80	0.00	3,075	209.40	0.00
34.90	0.00	3,075	209.40	0.00
35.00	0.00	3,075	209.40	0.00
35.10	0.00	3,075	209.40	0.00
35.20	0.00	3,075	209.40	0.00
35.30	0.00	3,075	209.40	0.00
35.40	0.00	3,075	209.40	0.00
35.50	0.00	3,075	209.40	0.00
35.60	0.00	3,075	209.40	0.00
35.70	0.00	3,075	209.40	0.00
35.80	0.00	3,075	209.40	0.00
35.90	0.00	3,075	209.40	0.00
36.00	0.00	3,075	209.40	0.00
36.10	0.00	3,075	209.40	0.00
36.20	0.00	3,075	209.40	0.00
36.30	0.00	3,075	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,075	209.40	0.00
36.50	0.00	3,075	209.40	0.00
36.60	0.00	3,075	209.40	0.00
36.70	0.00	3,075	209.40	0.00
36.80	0.00	3,075	209.40	0.00
36.90	0.00	3,075	209.40	0.00
37.00	0.00	3,075	209.40	0.00
37.10	0.00	3,075	209.40	0.00
37.20	0.00	3,075	209.40	0.00
37.30	0.00	3,075	209.40	0.00
37.40	0.00	3,075	209.40	0.00
37.50	0.00	3,075	209.40	0.00
37.60	0.00	3,075	209.40	0.00
37.70	0.00	3,075	209.40	0.00
37.80	0.00	3,075	209.40	0.00
37.90	0.00	3,075	209.40	0.00
38.00	0.00	3,075	209.40	0.00
38.10	0.00	3,075	209.40	0.00
38.20	0.00	3,075	209.40	0.00
38.30	0.00	3,075	209.40	0.00
38.40	0.00	3,075	209.40	0.00
38.50	0.00	3,075	209.40	0.00
38.60	0.00	3,075	209.40	0.00
38.70	0.00	3,075	209.40	0.00
38.80	0.00	3,075	209.40	0.00
38.90	0.00	3,075	209.40	0.00
39.00	0.00	3,075	209.40	0.00
39.10	0.00	3,075	209.40	0.00
39.20	0.00	3,075	209.40	0.00
39.30	0.00	3,075	209.40	0.00
39.40	0.00	3,075	209.40	0.00
39.50	0.00	3,075	209.40	0.00
39.60	0.00	3,075	209.40	0.00
39.70	0.00	3,075	209.40	0.00
39.80	0.00	3,075	209.40	0.00
39.90	0.00	3,075	209.40	0.00
40.00	0.00	3,075	209.40	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0	209.52	7,985	4,026
209.01	7,510	75	209.53	7,994	4,106
209.02	7,520	150	209.54	8,003	4,186
209.03	7,529	225	209.55	8,013	4,266
209.04	7,538	301	209.56	8,022	4,346
209.05	7,548	376	209.57	8,031	4,427
209.06	7,557	452	209.58	8,040	4,507
209.07	7,566	527	209.59	8,050	4,587
209.08	7,575	603	209.60	8,059	4,668
209.09	7,585	679	209.61	8,068	4,749
209.10	7,594	755	209.62	8,078	4,829
209.11	7,603	831	209.63	8,087	4,910
209.12	7,613	907	209.64	8,096	4,991
209.13	7,622	983	209.65	8,106	5,072
209.14	7,631	1,059	209.66	8,115	5,153
209.15	7,641	1,136	209.67	8,124	5,234
209.16	7,650	1,212	209.68	8,133	5,316
209.17	7,659	1,289	209.69	8,143	5,397
209.18	7,668	1,365	209.70	8,152	5,479
209.19	7,678	1,442	209.71	8,161	5,560
209.20	7,687	1,519	209.72	8,171	5,642
209.21	7,696	1,596	209.73	8,180	5,724
209.22	7,706	1,673	209.74	8,189	5,805
209.23	7,715	1,750	209.75	8,199	5,887
209.24	7,724	1,827	209.76	8,208	5,969
209.25	7,734	1,904	209.77	8,217	6,051
209.26	7,743	1,982	209.78	8,226	6,134
209.27	7,752	2,059	209.79	8,236	6,216
209.28	7,761	2,137	209.80	8,245	6,298
209.29	7,771	2,214	209.81	8,254	6,381
209.30	7,780	2,292	209.82	8,264	6,463
209.31	7,789	2,370	209.83	8,273	6,546
209.32	7,799	2,448	209.84	8,282	6,629
209.33	7,808	2,526	209.85	8,291	6,712
209.34	7,817	2,604	209.86	8,301	6,795
209.35	7,826	2,682	209.87	8,310	6,878
209.36	7,836	2,761	209.88	8,319	6,961
209.37	7,845	2,839	209.89	8,329	7,044
209.38	7,854	2,918	209.90	8,338	7,128
209.39	7,864	2,996	209.91	8,347	7,211
209.40	7,873	3,075	209.92	8,357	7,294
209.41	7,882	3,154	209.93	8,366	7,378
209.42	7,892	3,232	209.94	8,375	7,462
209.43	7,901	3,311	209.95	8,384	7,546
209.44	7,910	3,390	209.96	8,394	7,630
209.45	7,919	3,470	209.97	8,403	7,713
209.46	7,929	3,549	209.98	8,412	7,798
209.47	7,938	3,628	209.99	8,422	7,882
209.48	7,947	3,708	210.00	8,431	7,966
209.49	7,957	3,787	210.01	8,441	8,050
209.50	7,966	3,867	210.02	8,450	8,135
209.51	7,975	3,946	210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 3.35" for Current 10 yr event
Inflow = 6.71 cfs @ 12.09 hrs, Volume= 0.433 af
Outflow = 0.15 cfs @ 16.61 hrs, Volume= 0.291 af, Atten= 98%, Lag= 271.5 min
Primary = 0.15 cfs @ 16.61 hrs, Volume= 0.291 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 214.19' @ 16.61 hrs Surf.Area= 13,206 sf Storage= 13,793 cf

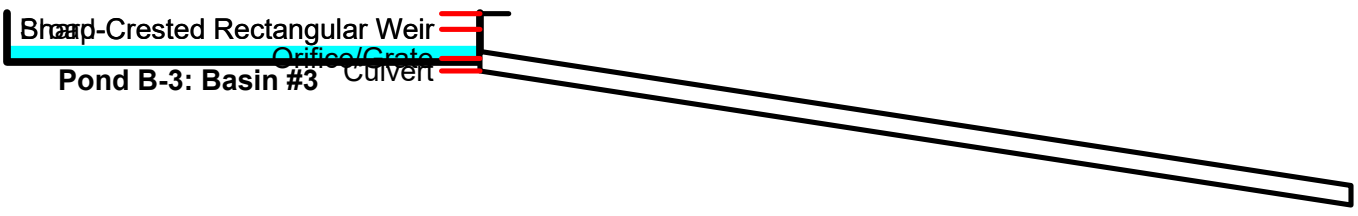
Plug-Flow detention time= 795.7 min calculated for 0.291 af (67% of inflow)
Center-of-Mass det. time= 690.3 min (1,476.8 - 786.4)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

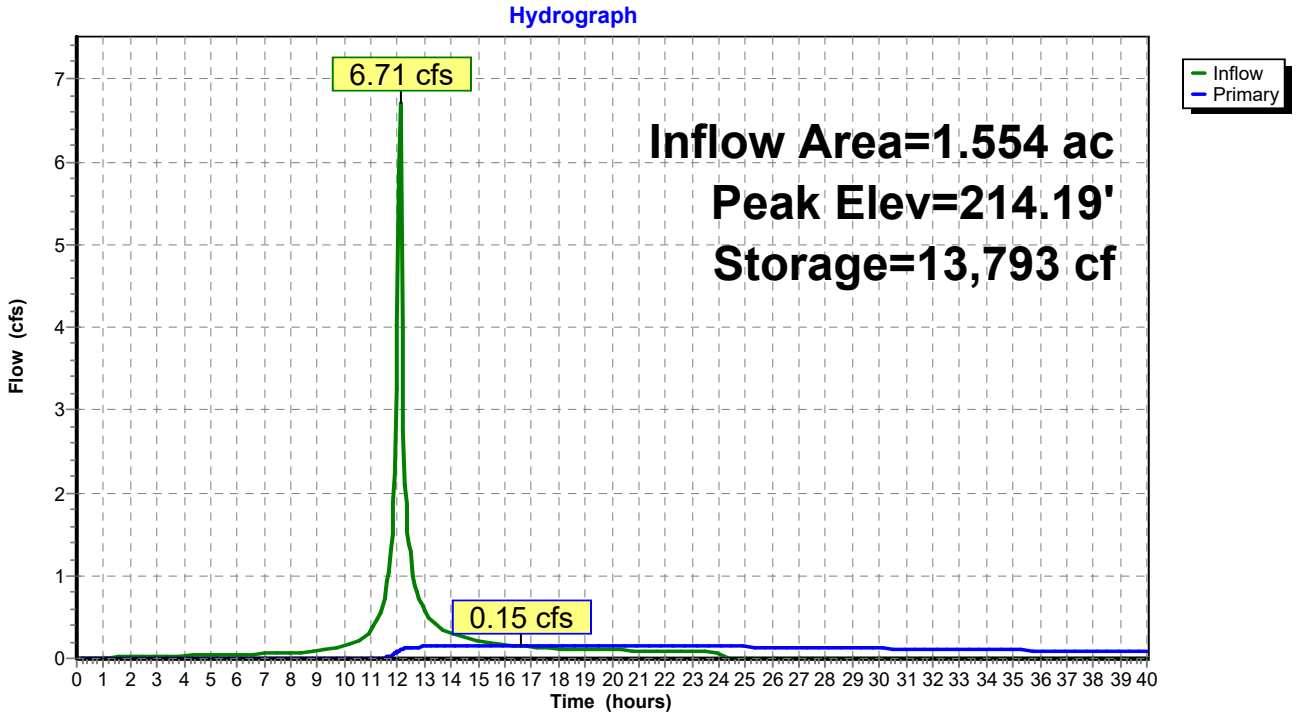
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 16.61 hrs HW=214.19' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 9.08 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.40 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	0.00
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.00	0	213.00	0.00
0.50	0.00	0	213.00	0.00
0.60	0.00	0	213.00	0.00
0.70	0.00	0	213.00	0.00
0.80	0.00	0	213.00	0.00
0.90	0.00	0	213.00	0.00
1.00	0.00	1	213.00	0.00
1.10	0.01	3	213.00	0.00
1.20	0.01	5	213.00	0.00
1.30	0.01	7	213.00	0.00
1.40	0.01	11	213.00	0.00
1.50	0.01	14	213.00	0.00
1.60	0.01	18	213.00	0.00
1.70	0.01	23	213.00	0.00
1.80	0.01	28	213.00	0.00
1.90	0.02	33	213.00	0.00
2.00	0.02	39	213.00	0.00
2.10	0.02	45	213.00	0.00
2.20	0.02	51	213.01	0.00
2.30	0.02	58	213.01	0.00
2.40	0.02	65	213.01	0.00
2.50	0.02	73	213.01	0.00
2.60	0.02	81	213.01	0.00
2.70	0.02	89	213.01	0.00
2.80	0.02	97	213.01	0.00
2.90	0.02	106	213.01	0.00
3.00	0.03	115	213.01	0.00
3.10	0.03	124	213.01	0.00
3.20	0.03	134	213.01	0.00
3.30	0.03	143	213.01	0.00
3.40	0.03	153	213.02	0.00
3.50	0.03	164	213.02	0.00
3.60	0.03	174	213.02	0.00
3.70	0.03	185	213.02	0.00
3.80	0.03	196	213.02	0.00
3.90	0.03	207	213.02	0.00
4.00	0.03	219	213.02	0.00
4.10	0.03	231	213.02	0.00
4.20	0.03	242	213.02	0.00
4.30	0.03	255	213.03	0.00
4.40	0.03	267	213.03	0.00
4.50	0.04	279	213.03	0.00
4.60	0.04	292	213.03	0.00
4.70	0.04	305	213.03	0.00
4.80	0.04	318	213.03	0.00
4.90	0.04	331	213.03	0.00
5.00	0.04	345	213.03	0.00
5.10	0.04	359	213.04	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	372	213.04	0.00
5.30	0.04	386	213.04	0.00
5.40	0.04	401	213.04	0.00
5.50	0.04	415	213.04	0.00
5.60	0.04	430	213.04	0.00
5.70	0.04	444	213.04	0.00
5.80	0.04	459	213.05	0.00
5.90	0.04	474	213.05	0.00
6.00	0.04	489	213.05	0.00
6.10	0.04	505	213.05	0.00
6.20	0.04	521	213.05	0.00
6.30	0.05	537	213.05	0.00
6.40	0.05	554	213.06	0.00
6.50	0.05	571	213.06	0.00
6.60	0.05	589	213.06	0.00
6.70	0.05	607	213.06	0.00
6.80	0.05	626	213.06	0.00
6.90	0.05	645	213.06	0.00
7.00	0.06	665	213.07	0.00
7.10	0.06	685	213.07	0.00
7.20	0.06	705	213.07	0.00
7.30	0.06	726	213.07	0.00
7.40	0.06	748	213.07	0.00
7.50	0.06	770	213.08	0.00
7.60	0.06	792	213.08	0.00
7.70	0.06	815	213.08	0.00
7.80	0.07	838	213.08	0.00
7.90	0.07	862	213.09	0.00
8.00	0.07	886	213.09	0.00
8.10	0.07	911	213.09	0.00
8.20	0.07	936	213.09	0.00
8.30	0.07	962	213.09	0.00
8.40	0.07	988	213.10	0.00
8.50	0.07	1,014	213.10	0.00
8.60	0.08	1,041	213.10	0.00
8.70	0.08	1,069	213.11	0.00
8.80	0.08	1,097	213.11	0.00
8.90	0.08	1,125	213.11	0.00
9.00	0.08	1,155	213.11	0.00
9.10	0.09	1,186	213.12	0.00
9.20	0.09	1,219	213.12	0.00
9.30	0.10	1,255	213.12	0.00
9.40	0.11	1,292	213.13	0.00
9.50	0.11	1,332	213.13	0.00
9.60	0.12	1,374	213.14	0.00
9.70	0.13	1,419	213.14	0.00
9.80	0.13	1,466	213.14	0.00
9.90	0.14	1,516	213.15	0.00
10.00	0.15	1,569	213.15	0.00
10.10	0.16	1,624	213.16	0.00
10.20	0.17	1,683	213.16	0.00
10.30	0.17	1,744	213.17	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.18	1,808	213.18	0.00
10.50	0.19	1,875	213.18	0.00
10.60	0.22	1,948	213.19	0.00
10.70	0.24	2,031	213.20	0.00
10.80	0.27	2,123	213.21	0.00
10.90	0.30	2,225	213.22	0.00
11.00	0.33	2,337	213.23	0.00
11.10	0.38	2,465	213.24	0.00
11.20	0.43	2,611	213.25	0.00
11.30	0.49	2,778	213.27	0.00
11.40	0.55	2,966	213.29	0.00
11.50	0.62	3,174	213.31	0.01
11.60	0.94	3,457	213.33	0.01
11.70	1.07	3,812	213.36	0.02
11.80	1.50	4,268	213.41	0.04
11.90	2.22	4,926	213.46	0.05
12.00	4.03	6,052	213.56	0.07
12.10	**6.57**	8,037	213.73	0.10
12.20	2.74	9,551	213.86	0.12
12.30	1.85	10,300	213.92	0.12
12.40	1.38	10,819	213.96	0.13
12.50	1.27	11,249	213.99	0.13
12.60	0.87	11,571	214.02	0.13
12.70	0.79	11,819	214.04	0.14
12.80	0.73	12,041	214.06	0.14
12.90	0.66	12,238	214.07	0.14
13.00	0.59	12,411	214.08	0.14
13.10	0.52	12,558	214.10	0.14
13.20	0.48	12,687	214.11	0.14
13.30	0.45	12,803	214.11	0.14
13.40	0.41	12,904	214.12	0.14
13.50	0.37	12,992	214.13	0.14
13.60	0.34	13,067	214.13	0.14
13.70	0.33	13,134	214.14	0.15
13.80	0.32	13,197	214.14	0.15
13.90	0.31	13,256	214.15	0.15
14.00	0.30	13,312	214.15	0.15
14.10	0.29	13,364	214.16	0.15
14.20	0.28	13,413	214.16	0.15
14.30	0.27	13,457	214.16	0.15
14.40	0.26	13,499	214.17	0.15
14.50	0.25	13,536	214.17	0.15
14.60	0.24	13,571	214.17	0.15
14.70	0.23	13,601	214.17	0.15
14.80	0.22	13,628	214.18	0.15
14.90	0.21	13,651	214.18	0.15
15.00	0.20	13,670	214.18	0.15
15.10	0.19	13,686	214.18	0.15
15.20	0.19	13,700	214.18	0.15
15.30	0.18	13,713	214.18	0.15
15.40	0.18	13,725	214.18	0.15
15.50	0.18	13,736	214.19	0.15

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	13,746	214.19	0.15
15.70	0.17	13,755	214.19	0.15
15.80	0.17	13,763	214.19	0.15
15.90	0.17	13,770	214.19	0.15
16.00	0.17	13,776	214.19	0.15
16.10	0.16	13,782	214.19	0.15
16.20	0.16	13,786	214.19	0.15
16.30	0.16	13,789	214.19	0.15
16.40	0.16	13,792	214.19	0.15
16.50	0.15	13,793	214.19	0.15
16.60	0.15	**13,794**	**214.19**	**0.15**
16.70	0.15	13,793	214.19	0.15
16.80	0.14	13,792	214.19	0.15
16.90	0.14	13,790	214.19	0.15
17.00	0.14	13,786	214.19	0.15
17.10	0.14	13,782	214.19	0.15
17.20	0.13	13,777	214.19	0.15
17.30	0.13	13,771	214.19	0.15
17.40	0.13	13,764	214.19	0.15
17.50	0.13	13,756	214.19	0.15
17.60	0.12	13,747	214.19	0.15
17.70	0.12	13,737	214.19	0.15
17.80	0.12	13,726	214.18	0.15
17.90	0.12	13,714	214.18	0.15
18.00	0.11	13,702	214.18	0.15
18.10	0.11	13,688	214.18	0.15
18.20	0.11	13,674	214.18	0.15
18.30	0.11	13,660	214.18	0.15
18.40	0.11	13,645	214.18	0.15
18.50	0.11	13,631	214.18	0.15
18.60	0.11	13,616	214.18	0.15
18.70	0.11	13,601	214.17	0.15
18.80	0.11	13,585	214.17	0.15
18.90	0.11	13,570	214.17	0.15
19.00	0.10	13,554	214.17	0.15
19.10	0.10	13,538	214.17	0.15
19.20	0.10	13,522	214.17	0.15
19.30	0.10	13,506	214.17	0.15
19.40	0.10	13,489	214.17	0.15
19.50	0.10	13,473	214.17	0.15
19.60	0.10	13,456	214.16	0.15
19.70	0.10	13,439	214.16	0.15
19.80	0.10	13,422	214.16	0.15
19.90	0.10	13,404	214.16	0.15
20.00	0.10	13,387	214.16	0.15
20.10	0.10	13,369	214.16	0.15
20.20	0.10	13,351	214.16	0.15
20.30	0.10	13,332	214.15	0.15
20.40	0.10	13,314	214.15	0.15
20.50	0.09	13,295	214.15	0.15
20.60	0.09	13,277	214.15	0.15
20.70	0.09	13,258	214.15	0.15

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	13,239	214.15	0.15
20.90	0.09	13,219	214.15	0.15
21.00	0.09	13,200	214.14	0.15
21.10	0.09	13,180	214.14	0.15
21.20	0.09	13,160	214.14	0.15
21.30	0.09	13,140	214.14	0.15
21.40	0.09	13,120	214.14	0.15
21.50	0.09	13,099	214.14	0.15
21.60	0.09	13,078	214.14	0.15
21.70	0.09	13,058	214.13	0.14
21.80	0.09	13,037	214.13	0.14
21.90	0.09	13,015	214.13	0.14
22.00	0.08	12,994	214.13	0.14
22.10	0.08	12,972	214.13	0.14
22.20	0.08	12,951	214.13	0.14
22.30	0.08	12,929	214.12	0.14
22.40	0.08	12,906	214.12	0.14
22.50	0.08	12,884	214.12	0.14
22.60	0.08	12,862	214.12	0.14
22.70	0.08	12,839	214.12	0.14
22.80	0.08	12,816	214.12	0.14
22.90	0.08	12,793	214.11	0.14
23.00	0.08	12,770	214.11	0.14
23.10	0.08	12,746	214.11	0.14
23.20	0.08	12,723	214.11	0.14
23.30	0.08	12,699	214.11	0.14
23.40	0.08	12,675	214.10	0.14
23.50	0.07	12,651	214.10	0.14
23.60	0.07	12,626	214.10	0.14
23.70	0.07	12,602	214.10	0.14
23.80	0.07	12,577	214.10	0.14
23.90	0.07	12,552	214.09	0.14
24.00	0.08	12,531	214.09	0.14
24.10	0.00	12,492	214.09	0.14
24.20	0.00	12,442	214.09	0.14
24.30	0.00	12,392	214.08	0.14
24.40	0.00	12,341	214.08	0.14
24.50	0.00	12,291	214.07	0.14
24.60	0.00	12,241	214.07	0.14
24.70	0.00	12,191	214.07	0.14
24.80	0.00	12,141	214.06	0.14
24.90	0.00	12,091	214.06	0.14
25.00	0.00	12,042	214.06	0.14
25.10	0.00	11,993	214.05	0.14
25.20	0.00	11,943	214.05	0.14
25.30	0.00	11,894	214.04	0.14
25.40	0.00	11,845	214.04	0.14
25.50	0.00	11,796	214.04	0.14
25.60	0.00	11,748	214.03	0.14
25.70	0.00	11,699	214.03	0.13
25.80	0.00	11,651	214.02	0.13
25.90	0.00	11,602	214.02	0.13

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,554	214.02	0.13
26.10	0.00	11,506	214.01	0.13
26.20	0.00	11,458	214.01	0.13
26.30	0.00	11,410	214.01	0.13
26.40	0.00	11,363	214.00	0.13
26.50	0.00	11,315	214.00	0.13
26.60	0.00	11,268	213.99	0.13
26.70	0.00	11,221	213.99	0.13
26.80	0.00	11,174	213.99	0.13
26.90	0.00	11,127	213.98	0.13
27.00	0.00	11,080	213.98	0.13
27.10	0.00	11,033	213.98	0.13
27.20	0.00	10,987	213.97	0.13
27.30	0.00	10,940	213.97	0.13
27.40	0.00	10,894	213.96	0.13
27.50	0.00	10,848	213.96	0.13
27.60	0.00	10,802	213.96	0.13
27.70	0.00	10,756	213.95	0.13
27.80	0.00	10,711	213.95	0.13
27.90	0.00	10,665	213.95	0.13
28.00	0.00	10,620	213.94	0.13
28.10	0.00	10,574	213.94	0.13
28.20	0.00	10,529	213.94	0.13
28.30	0.00	10,484	213.93	0.12
28.40	0.00	10,439	213.93	0.12
28.50	0.00	10,395	213.92	0.12
28.60	0.00	10,350	213.92	0.12
28.70	0.00	10,306	213.92	0.12
28.80	0.00	10,261	213.91	0.12
28.90	0.00	10,217	213.91	0.12
29.00	0.00	10,173	213.91	0.12
29.10	0.00	10,129	213.90	0.12
29.20	0.00	10,086	213.90	0.12
29.30	0.00	10,042	213.90	0.12
29.40	0.00	9,999	213.89	0.12
29.50	0.00	9,955	213.89	0.12
29.60	0.00	9,912	213.89	0.12
29.70	0.00	9,869	213.88	0.12
29.80	0.00	9,826	213.88	0.12
29.90	0.00	9,783	213.88	0.12
30.00	0.00	9,741	213.87	0.12
30.10	0.00	9,698	213.87	0.12
30.20	0.00	9,656	213.87	0.12
30.30	0.00	9,614	213.86	0.12
30.40	0.00	9,572	213.86	0.12
30.50	0.00	9,530	213.86	0.12
30.60	0.00	9,488	213.85	0.12
30.70	0.00	9,447	213.85	0.12
30.80	0.00	9,405	213.85	0.11
30.90	0.00	9,364	213.84	0.11
31.00	0.00	9,323	213.84	0.11
31.10	0.00	9,282	213.83	0.11

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,241	213.83	0.11
31.30	0.00	9,200	213.83	0.11
31.40	0.00	9,159	213.82	0.11
31.50	0.00	9,119	213.82	0.11
31.60	0.00	9,079	213.82	0.11
31.70	0.00	9,038	213.82	0.11
31.80	0.00	8,998	213.81	0.11
31.90	0.00	8,959	213.81	0.11
32.00	0.00	8,919	213.81	0.11
32.10	0.00	8,879	213.80	0.11
32.20	0.00	8,840	213.80	0.11
32.30	0.00	8,800	213.80	0.11
32.40	0.00	8,761	213.79	0.11
32.50	0.00	8,722	213.79	0.11
32.60	0.00	8,683	213.79	0.11
32.70	0.00	8,645	213.78	0.11
32.80	0.00	8,606	213.78	0.11
32.90	0.00	8,567	213.78	0.11
33.00	0.00	8,529	213.77	0.11
33.10	0.00	8,491	213.77	0.11
33.20	0.00	8,453	213.77	0.11
33.30	0.00	8,415	213.76	0.10
33.40	0.00	8,377	213.76	0.10
33.50	0.00	8,340	213.76	0.10
33.60	0.00	8,302	213.75	0.10
33.70	0.00	8,265	213.75	0.10
33.80	0.00	8,228	213.75	0.10
33.90	0.00	8,191	213.74	0.10
34.00	0.00	8,154	213.74	0.10
34.10	0.00	8,117	213.74	0.10
34.20	0.00	8,081	213.74	0.10
34.30	0.00	8,044	213.73	0.10
34.40	0.00	8,008	213.73	0.10
34.50	0.00	7,972	213.73	0.10
34.60	0.00	7,936	213.72	0.10
34.70	0.00	7,900	213.72	0.10
34.80	0.00	7,864	213.72	0.10
34.90	0.00	7,829	213.71	0.10
35.00	0.00	7,794	213.71	0.10
35.10	0.00	7,758	213.71	0.10
35.20	0.00	7,723	213.71	0.10
35.30	0.00	7,688	213.70	0.10
35.40	0.00	7,653	213.70	0.10
35.50	0.00	7,619	213.70	0.10
35.60	0.00	7,584	213.69	0.10
35.70	0.00	7,550	213.69	0.10
35.80	0.00	7,516	213.69	0.09
35.90	0.00	7,482	213.69	0.09
36.00	0.00	7,448	213.68	0.09
36.10	0.00	7,414	213.68	0.09
36.20	0.00	7,380	213.68	0.09
36.30	0.00	7,347	213.67	0.09

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,313	213.67	0.09
36.50	0.00	7,280	213.67	0.09
36.60	0.00	7,247	213.67	0.09
36.70	0.00	7,214	213.66	0.09
36.80	0.00	7,182	213.66	0.09
36.90	0.00	7,149	213.66	0.09
37.00	0.00	7,117	213.65	0.09
37.10	0.00	7,084	213.65	0.09
37.20	0.00	7,052	213.65	0.09
37.30	0.00	7,020	213.65	0.09
37.40	0.00	6,988	213.64	0.09
37.50	0.00	6,957	213.64	0.09
37.60	0.00	6,925	213.64	0.09
37.70	0.00	6,894	213.64	0.09
37.80	0.00	6,862	213.63	0.09
37.90	0.00	6,831	213.63	0.09
38.00	0.00	6,800	213.63	0.09
38.10	0.00	6,769	213.62	0.09
38.20	0.00	6,739	213.62	0.08
38.30	0.00	6,708	213.62	0.08
38.40	0.00	6,678	213.62	0.08
38.50	0.00	6,648	213.61	0.08
38.60	0.00	6,618	213.61	0.08
38.70	0.00	6,588	213.61	0.08
38.80	0.00	6,558	213.61	0.08
38.90	0.00	6,528	213.60	0.08
39.00	0.00	6,499	213.60	0.08
39.10	0.00	6,470	213.60	0.08
39.20	0.00	6,441	213.60	0.08
39.30	0.00	6,411	213.59	0.08
39.40	0.00	6,383	213.59	0.08
39.50	0.00	6,354	213.59	0.08
39.60	0.00	6,325	213.59	0.08
39.70	0.00	6,297	213.58	0.08
39.80	0.00	6,269	213.58	0.08
39.90	0.00	6,241	213.58	0.08
40.00	0.00	6,213	213.58	0.08

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848
214.05	12,823	11,976
214.06	12,850	12,105
214.07	12,877	12,233
214.08	12,905	12,362
214.09	12,933	12,491
214.10	12,960	12,621
214.11	12,988	12,750
214.12	13,015	12,881
214.13	13,042	13,011
214.14	13,070	13,141
214.15	13,098	13,272
214.16	13,125	13,403
214.17	13,152	13,535
214.18	13,180	13,666
214.19	13,207	13,798
214.20	13,235	13,930
214.21	13,263	14,063
214.22	13,290	14,196
214.23	13,317	14,329
214.24	13,345	14,462
214.25	13,373	14,596
214.26	13,400	14,730
214.27	13,428	14,864
214.28	13,455	14,998
214.29	13,482	15,133
214.30	13,510	15,268
214.31	13,538	15,403
214.32	13,565	15,538
214.33	13,593	15,674
214.34	13,620	15,810
214.35	13,647	15,947
214.36	13,675	16,083
214.37	13,703	16,220
214.38	13,730	16,357
214.39	13,757	16,495
214.40	13,785	16,633
214.41	13,812	16,770
214.42	13,840	16,909
214.43	13,868	17,047
214.44	13,895	17,186
214.45	13,922	17,325
214.46	13,950	17,465
214.47	13,977	17,604
214.48	14,005	17,744
214.49	14,033	17,884
214.50	14,060	18,025
214.51	14,087	18,165
214.52	14,115	18,307
214.53	14,143	18,448
214.54	14,170	18,589
214.55	14,198	18,731
214.56	14,225	18,873
214.57	14,252	19,016
214.58	14,280	19,158
214.59	14,308	19,301
214.60	14,335	19,444
214.61	14,363	19,588
214.62	14,390	19,732
214.63	14,417	19,876
214.64	14,445	20,020
214.65	14,473	20,165
214.66	14,500	20,310
214.67	14,527	20,455
214.68	14,555	20,600
214.69	14,582	20,746
214.70	14,610	20,892
214.71	14,638	21,038
214.72	14,665	21,184
214.73	14,692	21,331
214.74	14,720	21,478
214.75	14,748	21,626
214.76	14,775	21,773
214.77	14,803	21,921
214.78	14,830	22,069
214.79	14,857	22,218
214.80	14,885	22,367
214.81	14,913	22,515
214.82	14,940	22,665
214.83	14,968	22,814
214.84	14,995	22,964
214.85	15,022	23,114
214.86	15,050	23,265
214.87	15,078	23,415
214.88	15,105	23,566
214.89	15,132	23,717
214.90	15,160	23,869
214.91	15,187	24,020
214.92	15,215	24,172
214.93	15,243	24,325
214.94	15,270	24,477
214.95	15,297	24,630
214.96	15,325	24,783
214.97	15,352	24,937
214.98	15,380	25,090
214.99	15,408	25,244
215.00	15,435	25,399
215.01	15,463	25,553
215.02	15,491	25,708
215.03	15,519	25,863
215.04	15,547	26,018
215.05	15,575	26,174
215.06	15,603	26,330
215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642	215.60	17,119	35,165
215.09	15,688	26,799	215.61	17,147	35,336
215.10	15,716	26,956	215.62	17,175	35,508
215.11	15,744	27,113	215.63	17,203	35,679
215.12	15,772	27,271	215.64	17,231	35,852
215.13	15,800	27,429	215.65	17,259	36,024
215.14	15,828	27,587	215.66	17,287	36,197
215.15	15,856	27,745	215.67	17,315	36,370
215.16	15,884	27,904	215.68	17,343	36,543
215.17	15,912	28,063	215.69	17,371	36,717
215.18	15,940	28,222	215.70	17,399	36,890
215.19	15,968	28,382	215.71	17,427	37,065
215.20	15,996	28,542	215.72	17,455	37,239
215.21	16,024	28,702	215.73	17,483	37,414
215.22	16,052	28,862	215.74	17,511	37,589
215.23	16,080	29,023	215.75	17,540	37,764
215.24	16,108	29,184	215.76	17,568	37,939
215.25	16,137	29,345	215.77	17,596	38,115
215.26	16,165	29,506	215.78	17,624	38,291
215.27	16,193	29,668	215.79	17,652	38,468
215.28	16,221	29,830	215.80	17,680	38,644
215.29	16,249	29,993	215.81	17,708	38,821
215.30	16,277	30,155	215.82	17,736	38,999
215.31	16,305	30,318	215.83	17,764	39,176
215.32	16,333	30,481	215.84	17,792	39,354
215.33	16,361	30,645	215.85	17,820	39,532
215.34	16,389	30,809	215.86	17,848	39,710
215.35	16,417	30,973	215.87	17,876	39,889
215.36	16,445	31,137	215.88	17,904	40,068
215.37	16,473	31,302	215.89	17,932	40,247
215.38	16,501	31,466	215.90	17,960	40,426
215.39	16,529	31,632	215.91	17,988	40,606
215.40	16,557	31,797	215.92	18,017	40,786
215.41	16,585	31,963	215.93	18,045	40,967
215.42	16,614	32,129	215.94	18,073	41,147
215.43	16,642	32,295	215.95	18,101	41,328
215.44	16,670	32,462	215.96	18,129	41,509
215.45	16,698	32,628	215.97	18,157	41,691
215.46	16,726	32,795	215.98	18,185	41,872
215.47	16,754	32,963	215.99	18,213	42,054
215.48	16,782	33,131	216.00	18,241	42,237
215.49	16,810	33,299	216.01	18,279	42,419
215.50	16,838	33,467	216.02	18,317	42,602
215.51	16,866	33,635	216.03	18,356	42,785
215.52	16,894	33,804	216.04	18,394	42,969
215.53	16,922	33,973	216.05	18,432	43,153
215.54	16,950	34,143	216.06	18,470	43,338
215.55	16,978	34,312	216.07	18,508	43,523
215.56	17,006	34,482	216.08	18,546	43,708
215.57	17,034	34,652	216.09	18,585	43,894
215.58	17,062	34,823	216.10	18,623	44,080
215.59	17,091	34,994	216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 3.31" for Current 10 yr event
Inflow = 9.67 cfs @ 12.10 hrs, Volume= 0.643 af
Outflow = 6.73 cfs @ 12.16 hrs, Volume= 0.560 af, Atten= 30%, Lag= 4.1 min
Primary = 6.73 cfs @ 12.16 hrs, Volume= 0.560 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.64' @ 12.16 hrs Surf.Area= 5,285 sf Storage= 7,511 cf

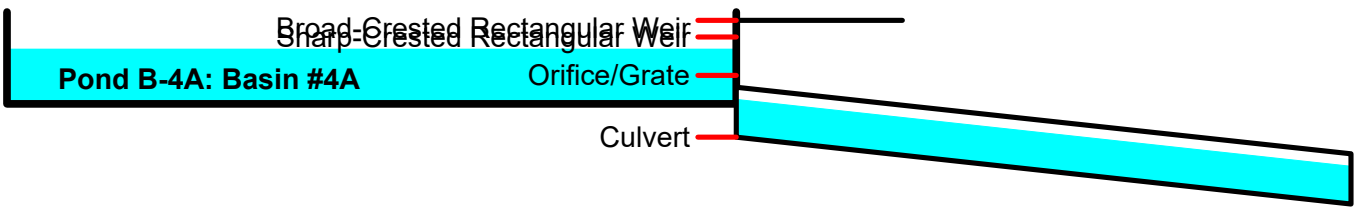
Plug-Flow detention time= 123.7 min calculated for 0.560 af (87% of inflow)
Center-of-Mass det. time= 60.6 min (849.6 - 789.0)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

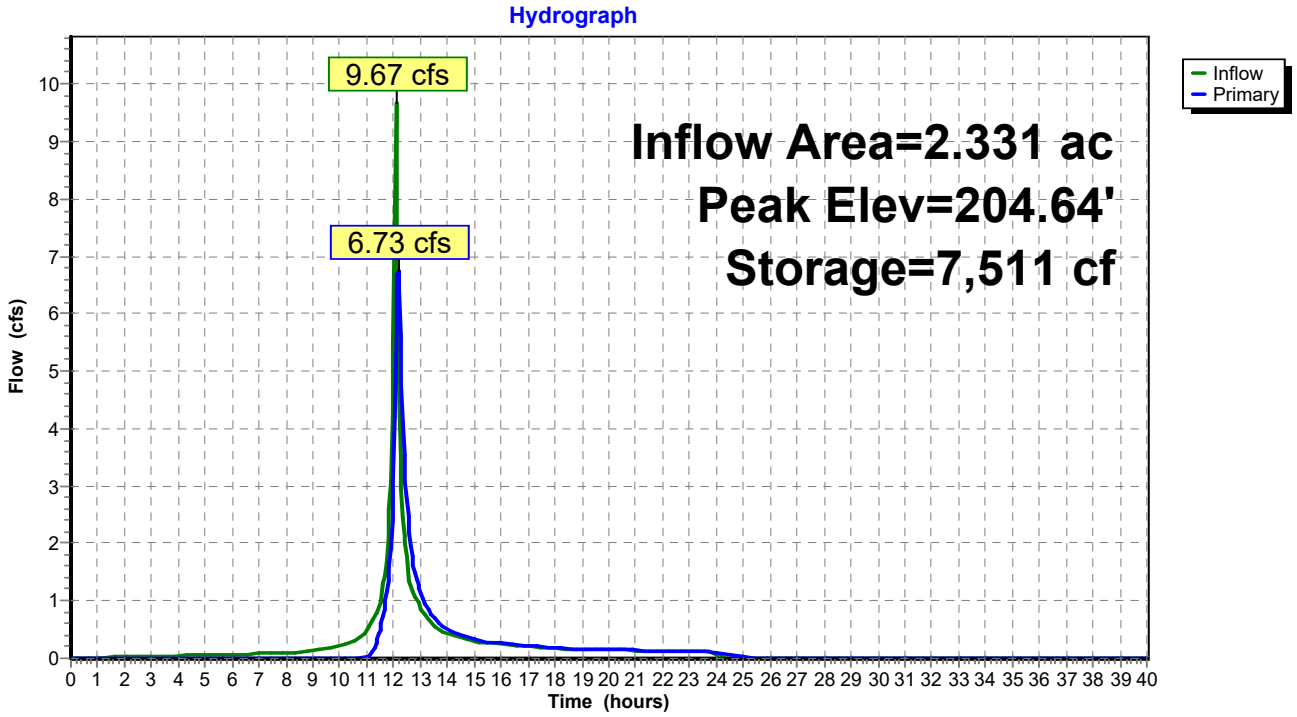
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=6.61 cfs @ 12.16 hrs HW=204.63' (Free Discharge)
- **1=Culvert** (Passes 6.61 cfs of 8.75 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 6.61 cfs @ 2.83 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	2	203.00	0.00
1.10	0.01	4	203.00	0.00
1.20	0.01	6	203.00	0.00
1.30	0.01	10	203.00	0.00
1.40	0.01	14	203.00	0.00
1.50	0.01	19	203.00	0.00
1.60	0.02	25	203.01	0.00
1.70	0.02	31	203.01	0.00
1.80	0.02	38	203.01	0.00
1.90	0.02	46	203.01	0.00
2.00	0.02	54	203.01	0.00
2.10	0.02	63	203.02	0.00
2.20	0.03	72	203.02	0.00
2.30	0.03	82	203.02	0.00
2.40	0.03	92	203.02	0.00
2.50	0.03	103	203.03	0.00
2.60	0.03	114	203.03	0.00
2.70	0.03	125	203.03	0.00
2.80	0.03	137	203.04	0.00
2.90	0.04	150	203.04	0.00
3.00	0.04	163	203.04	0.00
3.10	0.04	176	203.04	0.00
3.20	0.04	190	203.05	0.00
3.30	0.04	204	203.05	0.00
3.40	0.04	218	203.06	0.00
3.50	0.04	233	203.06	0.00
3.60	0.04	248	203.06	0.00
3.70	0.04	264	203.07	0.00
3.80	0.04	280	203.07	0.00
3.90	0.05	296	203.07	0.00
4.00	0.05	312	203.08	0.00
4.10	0.05	329	203.08	0.00
4.20	0.05	346	203.09	0.00
4.30	0.05	363	203.09	0.00
4.40	0.05	381	203.10	0.00
4.50	0.05	399	203.10	0.00
4.60	0.05	418	203.11	0.00
4.70	0.05	436	203.11	0.00
4.80	0.05	455	203.11	0.00
4.90	0.05	474	203.12	0.00
5.00	0.05	493	203.12	0.00
5.10	0.05	513	203.13	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	533	203.13	0.00
5.30	0.06	553	203.14	0.00
5.40	0.06	574	203.14	0.00
5.50	0.06	594	203.15	0.00
5.60	0.06	615	203.15	0.00
5.70	0.06	636	203.16	0.00
5.80	0.06	658	203.17	0.00
5.90	0.06	680	203.17	0.00
6.00	0.06	701	203.18	0.00
6.10	0.06	724	203.18	0.00
6.20	0.06	747	203.19	0.00
6.30	0.07	770	203.19	0.00
6.40	0.07	794	203.20	0.00
6.50	0.07	819	203.21	0.00
6.60	0.07	845	203.21	0.00
6.70	0.07	871	203.22	0.00
6.80	0.08	898	203.22	0.00
6.90	0.08	925	203.23	0.00
7.00	0.08	953	203.24	0.00
7.10	0.08	982	203.24	0.00
7.20	0.08	1,011	203.25	0.00
7.30	0.08	1,041	203.26	0.00
7.40	0.09	1,072	203.27	0.00
7.50	0.09	1,104	203.27	0.00
7.60	0.09	1,136	203.28	0.00
7.70	0.09	1,169	203.29	0.00
7.80	0.09	1,202	203.30	0.00
7.90	0.10	1,236	203.31	0.00
8.00	0.10	1,271	203.31	0.00
8.10	0.10	1,306	203.32	0.00
8.20	0.10	1,343	203.33	0.00
8.30	0.10	1,379	203.34	0.00
8.40	0.10	1,417	203.35	0.00
8.50	0.11	1,455	203.36	0.00
8.60	0.11	1,494	203.37	0.00
8.70	0.11	1,533	203.38	0.00
8.80	0.11	1,574	203.39	0.00
8.90	0.12	1,615	203.40	0.00
9.00	0.12	1,657	203.41	0.00
9.10	0.13	1,702	203.42	0.00
9.20	0.14	1,749	203.43	0.00
9.30	0.15	1,800	203.44	0.00
9.40	0.15	1,853	203.45	0.00
9.50	0.16	1,911	203.47	0.00
9.60	0.17	1,971	203.48	0.00
9.70	0.18	2,036	203.49	0.00
9.80	0.19	2,104	203.51	0.00
9.90	0.21	2,176	203.53	0.00
10.00	0.22	2,252	203.54	0.00
10.10	0.23	2,331	203.56	0.00
10.20	0.24	2,416	203.58	0.00
10.30	0.25	2,504	203.60	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	2,597	203.62	0.00
10.50	0.28	2,694	203.65	0.00
10.60	0.31	2,799	203.67	0.00
10.70	0.35	2,917	203.70	0.00
10.80	0.39	3,049	203.72	0.00
10.90	0.43	3,196	203.76	0.00
11.00	0.47	3,358	203.79	0.00
11.10	0.54	3,540	203.83	0.00
11.20	0.62	3,745	203.88	0.05
11.30	0.71	3,945	203.92	0.18
11.40	0.80	4,121	203.96	0.34
11.50	0.88	4,270	203.99	0.50
11.60	1.32	4,447	204.03	0.72
11.70	1.53	4,654	204.07	1.00
11.80	2.10	4,886	204.12	1.34
11.90	3.05	5,235	204.19	1.92
12.00	5.47	5,885	204.32	3.12
12.10	**9.67**	**7,088**	**204.56**	**5.73**
12.20	4.71	**7,382**	**204.61**	**6.43**
12.30	2.95	6,683	204.48	4.81
12.40	2.14	6,090	204.36	3.54
12.50	1.95	5,697	204.28	2.76
12.60	1.36	5,394	204.22	2.20
12.70	1.20	5,142	204.17	1.76
12.80	1.10	4,974	204.14	1.48
12.90	1.00	4,852	204.11	1.29
13.00	0.90	4,754	204.09	1.14
13.10	0.79	4,668	204.07	1.02
13.20	0.73	4,594	204.06	0.92
13.30	0.68	4,532	204.05	0.83
13.40	0.62	4,479	204.03	0.76
13.50	0.57	4,429	204.02	0.70
13.60	0.51	4,382	204.01	0.64
13.70	0.49	4,341	204.00	0.59
13.80	0.47	4,310	204.00	0.55
13.90	0.46	4,286	203.99	0.52
14.00	0.45	4,265	203.99	0.50
14.10	0.43	4,247	203.98	0.48
14.20	0.42	4,231	203.98	0.46
14.30	0.40	4,215	203.98	0.44
14.40	0.39	4,201	203.98	0.43
14.50	0.37	4,186	203.97	0.41
14.60	0.36	4,172	203.97	0.40
14.70	0.34	4,158	203.97	0.38
14.80	0.33	4,145	203.96	0.37
14.90	0.31	4,131	203.96	0.35
15.00	0.30	4,116	203.96	0.34
15.10	0.29	4,102	203.95	0.33
15.20	0.28	4,089	203.95	0.31
15.30	0.28	4,078	203.95	0.30
15.40	0.27	4,069	203.95	0.29
15.50	0.27	4,062	203.95	0.29

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.26	4,056	203.94	0.28
15.70	0.26	4,050	203.94	0.28
15.80	0.26	4,045	203.94	0.27
15.90	0.25	4,040	203.94	0.27
16.00	0.25	4,036	203.94	0.26
16.10	0.25	4,031	203.94	0.26
16.20	0.24	4,027	203.94	0.25
16.30	0.24	4,023	203.94	0.25
16.40	0.23	4,019	203.94	0.24
16.50	0.23	4,014	203.94	0.24
16.60	0.23	4,010	203.93	0.24
16.70	0.22	4,006	203.93	0.23
16.80	0.22	4,002	203.93	0.23
16.90	0.21	3,997	203.93	0.23
17.00	0.21	3,993	203.93	0.22
17.10	0.21	3,988	203.93	0.22
17.20	0.20	3,983	203.93	0.21
17.30	0.20	3,979	203.93	0.21
17.40	0.19	3,974	203.93	0.21
17.50	0.19	3,969	203.93	0.20
17.60	0.19	3,964	203.92	0.20
17.70	0.18	3,960	203.92	0.19
17.80	0.18	3,955	203.92	0.19
17.90	0.17	3,950	203.92	0.19
18.00	0.17	3,945	203.92	0.18
18.10	0.17	3,940	203.92	0.18
18.20	0.16	3,936	203.92	0.18
18.30	0.16	3,932	203.92	0.17
18.40	0.16	3,929	203.92	0.17
18.50	0.16	3,927	203.92	0.17
18.60	0.16	3,925	203.92	0.17
18.70	0.16	3,923	203.92	0.16
18.80	0.16	3,921	203.92	0.16
18.90	0.16	3,919	203.91	0.16
19.00	0.16	3,918	203.91	0.16
19.10	0.16	3,917	203.91	0.16
19.20	0.15	3,915	203.91	0.16
19.30	0.15	3,914	203.91	0.16
19.40	0.15	3,913	203.91	0.16
19.50	0.15	3,911	203.91	0.15
19.60	0.15	3,910	203.91	0.15
19.70	0.15	3,909	203.91	0.15
19.80	0.15	3,908	203.91	0.15
19.90	0.15	3,907	203.91	0.15
20.00	0.15	3,905	203.91	0.15
20.10	0.15	3,904	203.91	0.15
20.20	0.14	3,903	203.91	0.15
20.30	0.14	3,902	203.91	0.15
20.40	0.14	3,900	203.91	0.15
20.50	0.14	3,899	203.91	0.14
20.60	0.14	3,898	203.91	0.14
20.70	0.14	3,897	203.91	0.14

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	3,896	203.91	0.14
20.90	0.14	3,895	203.91	0.14
21.00	0.14	3,893	203.91	0.14
21.10	0.14	3,892	203.91	0.14
21.20	0.13	3,891	203.91	0.14
21.30	0.13	3,890	203.91	0.14
21.40	0.13	3,889	203.91	0.14
21.50	0.13	3,887	203.91	0.14
21.60	0.13	3,886	203.91	0.13
21.70	0.13	3,885	203.91	0.13
21.80	0.13	3,884	203.91	0.13
21.90	0.13	3,883	203.91	0.13
22.00	0.13	3,881	203.91	0.13
22.10	0.13	3,880	203.91	0.13
22.20	0.13	3,878	203.91	0.13
22.30	0.12	3,877	203.91	0.13
22.40	0.12	3,875	203.91	0.13
22.50	0.12	3,874	203.91	0.13
22.60	0.12	3,872	203.90	0.12
22.70	0.12	3,871	203.90	0.12
22.80	0.12	3,869	203.90	0.12
22.90	0.12	3,868	203.90	0.12
23.00	0.12	3,866	203.90	0.12
23.10	0.12	3,865	203.90	0.12
23.20	0.11	3,863	203.90	0.12
23.30	0.11	3,862	203.90	0.12
23.40	0.11	3,860	203.90	0.12
23.50	0.11	3,859	203.90	0.12
23.60	0.11	3,857	203.90	0.11
23.70	0.11	3,856	203.90	0.11
23.80	0.11	3,854	203.90	0.11
23.90	0.11	3,852	203.90	0.11
24.00	0.13	3,855	203.90	0.11
24.10	0.02	3,840	203.90	0.10
24.20	0.00	3,809	203.89	0.08
24.30	0.00	3,782	203.89	0.07
24.40	0.00	3,761	203.88	0.05
24.50	0.00	3,743	203.88	0.04
24.60	0.00	3,728	203.87	0.04
24.70	0.00	3,715	203.87	0.03
24.80	0.00	3,704	203.87	0.03
24.90	0.00	3,694	203.87	0.03
25.00	0.00	3,685	203.86	0.02
25.10	0.00	3,678	203.86	0.02
25.20	0.00	3,671	203.86	0.02
25.30	0.00	3,665	203.86	0.01
25.40	0.00	3,660	203.86	0.01
25.50	0.00	3,656	203.86	0.01
25.60	0.00	3,652	203.86	0.01
25.70	0.00	3,649	203.86	0.01
25.80	0.00	3,646	203.86	0.01
25.90	0.00	3,644	203.86	0.01

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,641	203.85	0.01
26.10	0.00	3,640	203.85	0.00
26.20	0.00	3,638	203.85	0.00
26.30	0.00	3,637	203.85	0.00
26.40	0.00	3,635	203.85	0.00
26.50	0.00	3,634	203.85	0.00
26.60	0.00	3,633	203.85	0.00
26.70	0.00	3,632	203.85	0.00
26.80	0.00	3,632	203.85	0.00
26.90	0.00	3,631	203.85	0.00
27.00	0.00	3,631	203.85	0.00
27.10	0.00	3,630	203.85	0.00
27.20	0.00	3,630	203.85	0.00
27.30	0.00	3,629	203.85	0.00
27.40	0.00	3,629	203.85	0.00
27.50	0.00	3,628	203.85	0.00
27.60	0.00	3,628	203.85	0.00
27.70	0.00	3,628	203.85	0.00
27.80	0.00	3,627	203.85	0.00
27.90	0.00	3,627	203.85	0.00
28.00	0.00	3,627	203.85	0.00
28.10	0.00	3,626	203.85	0.00
28.20	0.00	3,626	203.85	0.00
28.30	0.00	3,626	203.85	0.00
28.40	0.00	3,626	203.85	0.00
28.50	0.00	3,625	203.85	0.00
28.60	0.00	3,625	203.85	0.00
28.70	0.00	3,625	203.85	0.00
28.80	0.00	3,625	203.85	0.00
28.90	0.00	3,624	203.85	0.00
29.00	0.00	3,624	203.85	0.00
29.10	0.00	3,624	203.85	0.00
29.20	0.00	3,624	203.85	0.00
29.30	0.00	3,624	203.85	0.00
29.40	0.00	3,623	203.85	0.00
29.50	0.00	3,623	203.85	0.00
29.60	0.00	3,623	203.85	0.00
29.70	0.00	3,623	203.85	0.00
29.80	0.00	3,623	203.85	0.00
29.90	0.00	3,623	203.85	0.00
30.00	0.00	3,622	203.85	0.00
30.10	0.00	3,622	203.85	0.00
30.20	0.00	3,622	203.85	0.00
30.30	0.00	3,622	203.85	0.00
30.40	0.00	3,622	203.85	0.00
30.50	0.00	3,622	203.85	0.00
30.60	0.00	3,622	203.85	0.00
30.70	0.00	3,622	203.85	0.00
30.80	0.00	3,621	203.85	0.00
30.90	0.00	3,621	203.85	0.00
31.00	0.00	3,621	203.85	0.00
31.10	0.00	3,621	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,621	203.85	0.00
31.30	0.00	3,621	203.85	0.00
31.40	0.00	3,621	203.85	0.00
31.50	0.00	3,621	203.85	0.00
31.60	0.00	3,621	203.85	0.00
31.70	0.00	3,621	203.85	0.00
31.80	0.00	3,621	203.85	0.00
31.90	0.00	3,620	203.85	0.00
32.00	0.00	3,620	203.85	0.00
32.10	0.00	3,620	203.85	0.00
32.20	0.00	3,620	203.85	0.00
32.30	0.00	3,620	203.85	0.00
32.40	0.00	3,620	203.85	0.00
32.50	0.00	3,620	203.85	0.00
32.60	0.00	3,620	203.85	0.00
32.70	0.00	3,620	203.85	0.00
32.80	0.00	3,620	203.85	0.00
32.90	0.00	3,620	203.85	0.00
33.00	0.00	3,620	203.85	0.00
33.10	0.00	3,620	203.85	0.00
33.20	0.00	3,620	203.85	0.00
33.30	0.00	3,620	203.85	0.00
33.40	0.00	3,620	203.85	0.00
33.50	0.00	3,620	203.85	0.00
33.60	0.00	3,620	203.85	0.00
33.70	0.00	3,619	203.85	0.00
33.80	0.00	3,619	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0	203.52	4,334	2,144
203.01	3,920	39	203.53	4,342	2,187
203.02	3,928	78	203.54	4,350	2,231
203.03	3,936	118	203.55	4,359	2,274
203.04	3,944	157	203.56	4,367	2,318
203.05	3,953	197	203.57	4,375	2,362
203.06	3,961	236	203.58	4,383	2,406
203.07	3,969	276	203.59	4,391	2,449
203.08	3,977	316	203.60	4,399	2,493
203.09	3,985	355	203.61	4,407	2,537
203.10	3,993	395	203.62	4,415	2,582
203.11	4,001	435	203.63	4,424	2,626
203.12	4,009	475	203.64	4,432	2,670
203.13	4,018	515	203.65	4,440	2,714
203.14	4,026	556	203.66	4,448	2,759
203.15	4,034	596	203.67	4,456	2,803
203.16	4,042	636	203.68	4,464	2,848
203.17	4,050	677	203.69	4,472	2,893
203.18	4,058	717	203.70	4,480	2,937
203.19	4,066	758	203.71	4,489	2,982
203.20	4,074	799	203.72	4,497	3,027
203.21	4,083	839	203.73	4,505	3,072
203.22	4,091	880	203.74	4,513	3,117
203.23	4,099	921	203.75	4,521	3,162
203.24	4,107	962	203.76	4,529	3,208
203.25	4,115	1,003	203.77	4,537	3,253
203.26	4,123	1,045	203.78	4,545	3,298
203.27	4,131	1,086	203.79	4,553	3,344
203.28	4,139	1,127	203.80	4,562	3,389
203.29	4,147	1,169	203.81	4,570	3,435
203.30	4,156	1,210	203.82	4,578	3,481
203.31	4,164	1,252	203.83	4,586	3,527
203.32	4,172	1,293	203.84	4,594	3,573
203.33	4,180	1,335	203.85	4,602	3,619
203.34	4,188	1,377	203.86	4,610	3,665
203.35	4,196	1,419	203.87	4,618	3,711
203.36	4,204	1,461	203.88	4,627	3,757
203.37	4,212	1,503	203.89	4,635	3,803
203.38	4,221	1,545	203.90	4,643	3,850
203.39	4,229	1,587	203.91	4,651	3,896
203.40	4,237	1,630	203.92	4,659	3,943
203.41	4,245	1,672	203.93	4,667	3,989
203.42	4,253	1,715	203.94	4,675	4,036
203.43	4,261	1,757	203.95	4,683	4,083
203.44	4,269	1,800	203.96	4,692	4,130
203.45	4,277	1,843	203.97	4,700	4,177
203.46	4,286	1,885	203.98	4,708	4,224
203.47	4,294	1,928	203.99	4,716	4,271
203.48	4,302	1,971	204.00	4,724	4,318
203.49	4,310	2,014	204.01	4,733	4,365
203.50	4,318	2,058	204.02	4,742	4,413
203.51	4,326	2,101	204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 3.31" for Current 10 yr event
Inflow = 9.29 cfs @ 12.11 hrs, Volume= 0.643 af
Outflow = 6.39 cfs @ 12.19 hrs, Volume= 0.559 af, Atten= 31%, Lag= 4.6 min
Primary = 6.39 cfs @ 12.19 hrs, Volume= 0.559 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.54' @ 12.19 hrs Surf.Area= 5,888 sf Storage= 7,817 cf

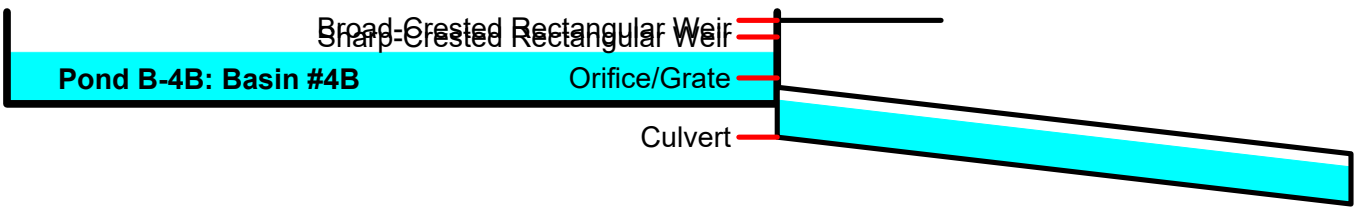
Plug-Flow detention time= 126.4 min calculated for 0.559 af (87% of inflow)
Center-of-Mass det. time= 62.8 min (852.8 - 790.0)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

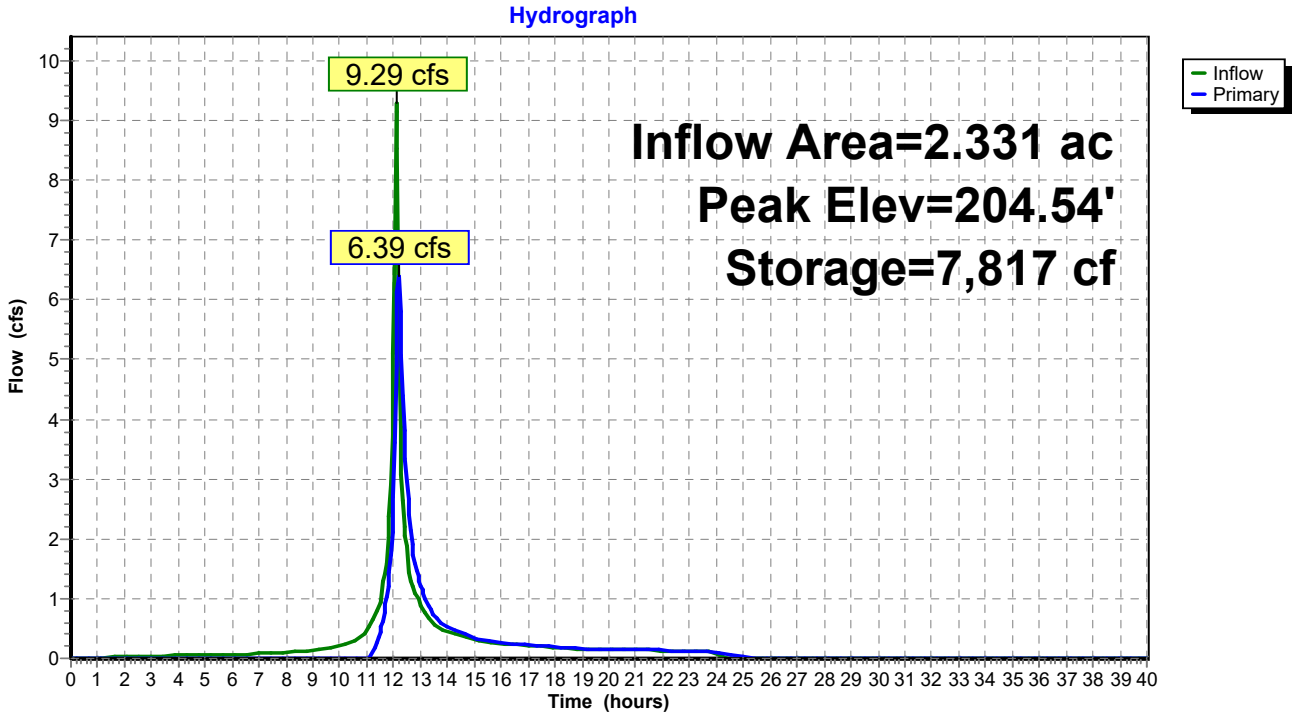
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=6.33 cfs @ 12.19 hrs HW=204.54' (Free Discharge)
- **1=Culvert** (Passes 6.33 cfs of 8.53 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 6.33 cfs @ 2.79 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	2	203.00	0.00
1.10	0.01	4	203.00	0.00
1.20	0.01	6	203.00	0.00
1.30	0.01	10	203.00	0.00
1.40	0.01	14	203.00	0.00
1.50	0.01	19	203.00	0.00
1.60	0.02	25	203.01	0.00
1.70	0.02	31	203.01	0.00
1.80	0.02	38	203.01	0.00
1.90	0.02	46	203.01	0.00
2.00	0.02	54	203.01	0.00
2.10	0.02	63	203.01	0.00
2.20	0.03	72	203.02	0.00
2.30	0.03	82	203.02	0.00
2.40	0.03	92	203.02	0.00
2.50	0.03	103	203.02	0.00
2.60	0.03	114	203.03	0.00
2.70	0.03	125	203.03	0.00
2.80	0.03	137	203.03	0.00
2.90	0.04	150	203.03	0.00
3.00	0.04	163	203.04	0.00
3.10	0.04	176	203.04	0.00
3.20	0.04	190	203.04	0.00
3.30	0.04	204	203.05	0.00
3.40	0.04	218	203.05	0.00
3.50	0.04	233	203.05	0.00
3.60	0.04	248	203.06	0.00
3.70	0.04	264	203.06	0.00
3.80	0.04	280	203.06	0.00
3.90	0.05	296	203.07	0.00
4.00	0.05	312	203.07	0.00
4.10	0.05	329	203.08	0.00
4.20	0.05	346	203.08	0.00
4.30	0.05	363	203.08	0.00
4.40	0.05	381	203.09	0.00
4.50	0.05	399	203.09	0.00
4.60	0.05	418	203.10	0.00
4.70	0.05	436	203.10	0.00
4.80	0.05	455	203.10	0.00
4.90	0.05	474	203.11	0.00
5.00	0.05	493	203.11	0.00
5.10	0.05	513	203.12	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	533	203.12	0.00
5.30	0.06	553	203.13	0.00
5.40	0.06	574	203.13	0.00
5.50	0.06	594	203.14	0.00
5.60	0.06	615	203.14	0.00
5.70	0.06	636	203.15	0.00
5.80	0.06	658	203.15	0.00
5.90	0.06	680	203.16	0.00
6.00	0.06	701	203.16	0.00
6.10	0.06	724	203.17	0.00
6.20	0.06	747	203.17	0.00
6.30	0.07	770	203.18	0.00
6.40	0.07	794	203.18	0.00
6.50	0.07	819	203.19	0.00
6.60	0.07	845	203.19	0.00
6.70	0.07	871	203.20	0.00
6.80	0.08	898	203.20	0.00
6.90	0.08	925	203.21	0.00
7.00	0.08	953	203.22	0.00
7.10	0.08	982	203.22	0.00
7.20	0.08	1,011	203.23	0.00
7.30	0.08	1,041	203.24	0.00
7.40	0.09	1,072	203.24	0.00
7.50	0.09	1,104	203.25	0.00
7.60	0.09	1,136	203.26	0.00
7.70	0.09	1,169	203.26	0.00
7.80	0.09	1,202	203.27	0.00
7.90	0.10	1,236	203.28	0.00
8.00	0.10	1,271	203.29	0.00
8.10	0.10	1,306	203.29	0.00
8.20	0.10	1,343	203.30	0.00
8.30	0.10	1,379	203.31	0.00
8.40	0.10	1,417	203.32	0.00
8.50	0.11	1,455	203.33	0.00
8.60	0.11	1,494	203.33	0.00
8.70	0.11	1,533	203.34	0.00
8.80	0.11	1,574	203.35	0.00
8.90	0.12	1,615	203.36	0.00
9.00	0.12	1,657	203.37	0.00
9.10	0.13	1,701	203.38	0.00
9.20	0.14	1,748	203.39	0.00
9.30	0.14	1,798	203.40	0.00
9.40	0.15	1,852	203.41	0.00
9.50	0.16	1,909	203.42	0.00
9.60	0.17	1,969	203.44	0.00
9.70	0.18	2,033	203.45	0.00
9.80	0.19	2,101	203.46	0.00
9.90	0.20	2,172	203.48	0.00
10.00	0.21	2,247	203.50	0.00
10.10	0.23	2,327	203.51	0.00
10.20	0.24	2,410	203.53	0.00
10.30	0.25	2,498	203.55	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	2,590	203.57	0.00
10.50	0.27	2,686	203.59	0.00
10.60	0.31	2,790	203.61	0.00
10.70	0.34	2,906	203.63	0.00
10.80	0.38	3,037	203.66	0.00
10.90	0.42	3,181	203.69	0.00
11.00	0.47	3,341	203.72	0.00
11.10	0.53	3,521	203.75	0.00
11.20	0.61	3,725	203.79	0.02
11.30	0.70	3,935	203.84	0.13
11.40	0.78	4,129	203.87	0.28
11.50	0.87	4,298	203.91	0.43
11.60	1.28	4,484	203.94	0.63
11.70	1.50	4,714	203.99	0.90
11.80	2.02	4,957	204.03	1.21
11.90	2.91	5,309	204.10	1.71
12.00	5.11	5,925	204.21	2.71
12.10	**9.16**	7,088	204.42	4.88
12.20	5.31	**7,809**	**204.54**	**6.37**
12.30	3.07	7,185	204.43	5.08
12.40	2.21	6,542	204.32	3.82
12.50	1.97	6,075	204.24	2.97
12.60	1.42	5,736	204.17	2.39
12.70	1.21	5,434	204.12	1.91
12.80	1.11	5,226	204.08	1.59
12.90	1.01	5,076	204.05	1.38
13.00	0.91	4,957	204.03	1.21
13.10	0.80	4,855	204.01	1.08
13.20	0.74	4,767	204.00	0.96
13.30	0.68	4,694	203.98	0.87
13.40	0.63	4,631	203.97	0.79
13.50	0.57	4,574	203.96	0.73
13.60	0.52	4,520	203.95	0.67
13.70	0.49	4,471	203.94	0.61
13.80	0.48	4,434	203.93	0.57
13.90	0.46	4,404	203.93	0.54
14.00	0.45	4,379	203.92	0.51
14.10	0.43	4,357	203.92	0.49
14.20	0.42	4,338	203.91	0.47
14.30	0.40	4,321	203.91	0.45
14.40	0.39	4,304	203.91	0.44
14.50	0.38	4,288	203.90	0.42
14.60	0.36	4,272	203.90	0.41
14.70	0.35	4,256	203.90	0.39
14.80	0.33	4,240	203.89	0.38
14.90	0.32	4,225	203.89	0.36
15.00	0.30	4,209	203.89	0.35
15.10	0.29	4,193	203.89	0.33
15.20	0.28	4,178	203.88	0.32
15.30	0.28	4,166	203.88	0.31
15.40	0.27	4,157	203.88	0.30
15.50	0.27	4,148	203.88	0.29

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.26	4,141	203.88	0.28
15.70	0.26	4,134	203.87	0.28
15.80	0.26	4,127	203.87	0.27
15.90	0.25	4,122	203.87	0.27
16.00	0.25	4,116	203.87	0.26
16.10	0.25	4,111	203.87	0.26
16.20	0.24	4,106	203.87	0.26
16.30	0.24	4,101	203.87	0.25
16.40	0.23	4,095	203.87	0.25
16.50	0.23	4,090	203.87	0.24
16.60	0.23	4,086	203.86	0.24
16.70	0.22	4,081	203.86	0.24
16.80	0.22	4,076	203.86	0.23
16.90	0.21	4,071	203.86	0.23
17.00	0.21	4,066	203.86	0.22
17.10	0.21	4,061	203.86	0.22
17.20	0.20	4,057	203.86	0.22
17.30	0.20	4,052	203.86	0.21
17.40	0.19	4,047	203.86	0.21
17.50	0.19	4,042	203.86	0.20
17.60	0.19	4,037	203.86	0.20
17.70	0.18	4,032	203.85	0.20
17.80	0.18	4,028	203.85	0.19
17.90	0.17	4,023	203.85	0.19
18.00	0.17	4,018	203.85	0.18
18.10	0.17	4,013	203.85	0.18
18.20	0.16	4,007	203.85	0.18
18.30	0.16	4,003	203.85	0.17
18.40	0.16	3,999	203.85	0.17
18.50	0.16	3,996	203.85	0.17
18.60	0.16	3,993	203.85	0.17
18.70	0.16	3,991	203.85	0.17
18.80	0.16	3,989	203.85	0.16
18.90	0.16	3,987	203.85	0.16
19.00	0.16	3,985	203.85	0.16
19.10	0.16	3,983	203.84	0.16
19.20	0.15	3,981	203.84	0.16
19.30	0.15	3,979	203.84	0.16
19.40	0.15	3,978	203.84	0.16
19.50	0.15	3,976	203.84	0.16
19.60	0.15	3,975	203.84	0.15
19.70	0.15	3,973	203.84	0.15
19.80	0.15	3,972	203.84	0.15
19.90	0.15	3,970	203.84	0.15
20.00	0.15	3,969	203.84	0.15
20.10	0.15	3,967	203.84	0.15
20.20	0.14	3,966	203.84	0.15
20.30	0.14	3,964	203.84	0.15
20.40	0.14	3,963	203.84	0.15
20.50	0.14	3,961	203.84	0.15
20.60	0.14	3,960	203.84	0.14
20.70	0.14	3,959	203.84	0.14

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	3,957	203.84	0.14
20.90	0.14	3,955	203.84	0.14
21.00	0.14	3,954	203.84	0.14
21.10	0.14	3,952	203.84	0.14
21.20	0.13	3,951	203.84	0.14
21.30	0.13	3,950	203.84	0.14
21.40	0.13	3,948	203.84	0.14
21.50	0.13	3,947	203.84	0.14
21.60	0.13	3,945	203.84	0.14
21.70	0.13	3,944	203.84	0.13
21.80	0.13	3,942	203.84	0.13
21.90	0.13	3,941	203.84	0.13
22.00	0.13	3,939	203.84	0.13
22.10	0.13	3,938	203.84	0.13
22.20	0.13	3,936	203.84	0.13
22.30	0.12	3,935	203.84	0.13
22.40	0.12	3,934	203.84	0.13
22.50	0.12	3,932	203.83	0.13
22.60	0.12	3,931	203.83	0.13
22.70	0.12	3,929	203.83	0.12
22.80	0.12	3,928	203.83	0.12
22.90	0.12	3,926	203.83	0.12
23.00	0.12	3,925	203.83	0.12
23.10	0.12	3,923	203.83	0.12
23.20	0.11	3,922	203.83	0.12
23.30	0.11	3,920	203.83	0.12
23.40	0.11	3,919	203.83	0.12
23.50	0.11	3,917	203.83	0.12
23.60	0.11	3,916	203.83	0.11
23.70	0.11	3,914	203.83	0.11
23.80	0.11	3,913	203.83	0.11
23.90	0.11	3,911	203.83	0.11
24.00	0.13	3,913	203.83	0.11
24.10	0.03	3,904	203.83	0.11
24.20	0.00	3,874	203.82	0.09
24.30	0.00	3,845	203.82	0.07
24.40	0.00	3,820	203.81	0.06
24.50	0.00	3,800	203.81	0.05
24.60	0.00	3,783	203.81	0.04
24.70	0.00	3,769	203.80	0.04
24.80	0.00	3,757	203.80	0.03
24.90	0.00	3,747	203.80	0.03
25.00	0.00	3,739	203.80	0.02
25.10	0.00	3,731	203.80	0.02
25.20	0.00	3,725	203.79	0.02
25.30	0.00	3,718	203.79	0.02
25.40	0.00	3,713	203.79	0.02
25.50	0.00	3,708	203.79	0.01
25.60	0.00	3,703	203.79	0.01
25.70	0.00	3,698	203.79	0.01
25.80	0.00	3,695	203.79	0.01
25.90	0.00	3,691	203.79	0.01

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,688	203.79	0.01
26.10	0.00	3,685	203.79	0.01
26.20	0.00	3,682	203.79	0.01
26.30	0.00	3,679	203.79	0.01
26.40	0.00	3,677	203.78	0.01
26.50	0.00	3,675	203.78	0.01
26.60	0.00	3,673	203.78	0.01
26.70	0.00	3,671	203.78	0.00
26.80	0.00	3,670	203.78	0.00
26.90	0.00	3,668	203.78	0.00
27.00	0.00	3,667	203.78	0.00
27.10	0.00	3,666	203.78	0.00
27.20	0.00	3,664	203.78	0.00
27.30	0.00	3,663	203.78	0.00
27.40	0.00	3,662	203.78	0.00
27.50	0.00	3,662	203.78	0.00
27.60	0.00	3,661	203.78	0.00
27.70	0.00	3,660	203.78	0.00
27.80	0.00	3,659	203.78	0.00
27.90	0.00	3,659	203.78	0.00
28.00	0.00	3,658	203.78	0.00
28.10	0.00	3,658	203.78	0.00
28.20	0.00	3,657	203.78	0.00
28.30	0.00	3,657	203.78	0.00
28.40	0.00	3,657	203.78	0.00
28.50	0.00	3,656	203.78	0.00
28.60	0.00	3,656	203.78	0.00
28.70	0.00	3,656	203.78	0.00
28.80	0.00	3,655	203.78	0.00
28.90	0.00	3,655	203.78	0.00
29.00	0.00	3,655	203.78	0.00
29.10	0.00	3,655	203.78	0.00
29.20	0.00	3,655	203.78	0.00
29.30	0.00	3,654	203.78	0.00
29.40	0.00	3,654	203.78	0.00
29.50	0.00	3,654	203.78	0.00
29.60	0.00	3,654	203.78	0.00
29.70	0.00	3,654	203.78	0.00
29.80	0.00	3,654	203.78	0.00
29.90	0.00	3,654	203.78	0.00
30.00	0.00	3,654	203.78	0.00
30.10	0.00	3,653	203.78	0.00
30.20	0.00	3,653	203.78	0.00
30.30	0.00	3,653	203.78	0.00
30.40	0.00	3,653	203.78	0.00
30.50	0.00	3,653	203.78	0.00
30.60	0.00	3,653	203.78	0.00
30.70	0.00	3,653	203.78	0.00
30.80	0.00	3,653	203.78	0.00
30.90	0.00	3,653	203.78	0.00
31.00	0.00	3,653	203.78	0.00
31.10	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,653	203.78	0.00
31.30	0.00	3,653	203.78	0.00
31.40	0.00	3,653	203.78	0.00
31.50	0.00	3,653	203.78	0.00
31.60	0.00	3,653	203.78	0.00
31.70	0.00	3,653	203.78	0.00
31.80	0.00	3,653	203.78	0.00
31.90	0.00	3,653	203.78	0.00
32.00	0.00	3,653	203.78	0.00
32.10	0.00	3,653	203.78	0.00
32.20	0.00	3,653	203.78	0.00
32.30	0.00	3,653	203.78	0.00
32.40	0.00	3,653	203.78	0.00
32.50	0.00	3,653	203.78	0.00
32.60	0.00	3,653	203.78	0.00
32.70	0.00	3,653	203.78	0.00
32.80	0.00	3,653	203.78	0.00
32.90	0.00	3,653	203.78	0.00
33.00	0.00	3,653	203.78	0.00
33.10	0.00	3,653	203.78	0.00
33.20	0.00	3,653	203.78	0.00
33.30	0.00	3,653	203.78	0.00
33.40	0.00	3,653	203.78	0.00
33.50	0.00	3,653	203.78	0.00
33.60	0.00	3,653	203.78	0.00
33.70	0.00	3,653	203.78	0.00
33.80	0.00	3,653	203.78	0.00
33.90	0.00	3,653	203.78	0.00
34.00	0.00	3,653	203.78	0.00
34.10	0.00	3,653	203.78	0.00
34.20	0.00	3,653	203.78	0.00
34.30	0.00	3,653	203.78	0.00
34.40	0.00	3,653	203.78	0.00
34.50	0.00	3,653	203.78	0.00
34.60	0.00	3,653	203.78	0.00
34.70	0.00	3,653	203.78	0.00
34.80	0.00	3,653	203.78	0.00
34.90	0.00	3,653	203.78	0.00
35.00	0.00	3,653	203.78	0.00
35.10	0.00	3,653	203.78	0.00
35.20	0.00	3,653	203.78	0.00
35.30	0.00	3,653	203.78	0.00
35.40	0.00	3,653	203.78	0.00
35.50	0.00	3,653	203.78	0.00
35.60	0.00	3,653	203.78	0.00
35.70	0.00	3,653	203.78	0.00
35.80	0.00	3,653	203.78	0.00
35.90	0.00	3,653	203.78	0.00
36.00	0.00	3,653	203.78	0.00
36.10	0.00	3,653	203.78	0.00
36.20	0.00	3,653	203.78	0.00
36.30	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,653	203.78	0.00
36.50	0.00	3,653	203.78	0.00
36.60	0.00	3,653	203.78	0.00
36.70	0.00	3,653	203.78	0.00
36.80	0.00	3,653	203.78	0.00
36.90	0.00	3,653	203.78	0.00
37.00	0.00	3,653	203.78	0.00
37.10	0.00	3,653	203.78	0.00
37.20	0.00	3,653	203.78	0.00
37.30	0.00	3,653	203.78	0.00
37.40	0.00	3,653	203.78	0.00
37.50	0.00	3,653	203.78	0.00
37.60	0.00	3,653	203.78	0.00
37.70	0.00	3,653	203.78	0.00
37.80	0.00	3,653	203.78	0.00
37.90	0.00	3,653	203.78	0.00
38.00	0.00	3,653	203.78	0.00
38.10	0.00	3,653	203.78	0.00
38.20	0.00	3,653	203.78	0.00
38.30	0.00	3,653	203.78	0.00
38.40	0.00	3,653	203.78	0.00
38.50	0.00	3,653	203.78	0.00
38.60	0.00	3,653	203.78	0.00
38.70	0.00	3,653	203.78	0.00
38.80	0.00	3,653	203.78	0.00
38.90	0.00	3,653	203.78	0.00
39.00	0.00	3,653	203.78	0.00
39.10	0.00	3,653	203.78	0.00
39.20	0.00	3,653	203.78	0.00
39.30	0.00	3,653	203.78	0.00
39.40	0.00	3,653	203.78	0.00
39.50	0.00	3,653	203.78	0.00
39.60	0.00	3,653	203.78	0.00
39.70	0.00	3,653	203.78	0.00
39.80	0.00	3,653	203.78	0.00
39.90	0.00	3,653	203.78	0.00
40.00	0.00	3,653	203.78	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0
203.01	4,302	43
203.02	4,312	86
203.03	4,322	129
203.04	4,332	172
203.05	4,342	216
203.06	4,352	259
203.07	4,362	303
203.08	4,372	347
203.09	4,382	390
203.10	4,392	434
203.11	4,402	478
203.12	4,412	522
203.13	4,422	566
203.14	4,432	611
203.15	4,442	655
203.16	4,452	700
203.17	4,462	744
203.18	4,472	789
203.19	4,482	834
203.20	4,492	878
203.21	4,502	923
203.22	4,512	968
203.23	4,522	1,014
203.24	4,532	1,059
203.25	4,543	1,104
203.26	4,553	1,150
203.27	4,563	1,195
203.28	4,573	1,241
203.29	4,583	1,287
203.30	4,593	1,333
203.31	4,603	1,379
203.32	4,613	1,425
203.33	4,623	1,471
203.34	4,633	1,517
203.35	4,643	1,564
203.36	4,653	1,610
203.37	4,663	1,657
203.38	4,673	1,703
203.39	4,683	1,750
203.40	4,693	1,797
203.41	4,703	1,844
203.42	4,713	1,891
203.43	4,723	1,938
203.44	4,733	1,985
203.45	4,743	2,033
203.46	4,753	2,080
203.47	4,763	2,128
203.48	4,773	2,176
203.49	4,783	2,223
203.50	4,793	2,271
203.51	4,803	2,319
203.52	4,813	2,367
203.53	4,823	2,415
203.54	4,833	2,464
203.55	4,843	2,512
203.56	4,853	2,561
203.57	4,863	2,609
203.58	4,873	2,658
203.59	4,883	2,707
203.60	4,893	2,756
203.61	4,903	2,805
203.62	4,913	2,854
203.63	4,923	2,903
203.64	4,933	2,952
203.65	4,943	3,001
203.66	4,953	3,051
203.67	4,963	3,101
203.68	4,973	3,150
203.69	4,983	3,200
203.70	4,993	3,250
203.71	5,003	3,300
203.72	5,013	3,350
203.73	5,023	3,400
203.74	5,033	3,450
203.75	5,044	3,501
203.76	5,054	3,551
203.77	5,064	3,602
203.78	5,074	3,653
203.79	5,084	3,703
203.80	5,094	3,754
203.81	5,104	3,805
203.82	5,114	3,856
203.83	5,124	3,907
203.84	5,134	3,959
203.85	5,144	4,010
203.86	5,154	4,062
203.87	5,164	4,113
203.88	5,174	4,165
203.89	5,184	4,217
203.90	5,194	4,269
203.91	5,204	4,321
203.92	5,214	4,373
203.93	5,224	4,425
203.94	5,234	4,477
203.95	5,244	4,530
203.96	5,254	4,582
203.97	5,264	4,635
203.98	5,274	4,687
203.99	5,284	4,740
204.00	5,294	4,793
204.01	5,305	4,846
204.02	5,316	4,899
204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006	204.56	5,909	7,930
204.05	5,349	5,059	204.57	5,920	7,989
204.06	5,360	5,113	204.58	5,931	8,048
204.07	5,371	5,166	204.59	5,942	8,108
204.08	5,382	5,220	204.60	5,953	8,167
204.09	5,393	5,274	204.61	5,964	8,227
204.10	5,404	5,328	204.62	5,975	8,287
204.11	5,415	5,382	204.63	5,986	8,346
204.12	5,426	5,436	204.64	5,997	8,406
204.13	5,437	5,491	204.65	6,008	8,466
204.14	5,448	5,545	204.66	6,019	8,526
204.15	5,459	5,599	204.67	6,030	8,587
204.16	5,470	5,654	204.68	6,041	8,647
204.17	5,481	5,709	204.69	6,052	8,707
204.18	5,492	5,764	204.70	6,063	8,768
204.19	5,503	5,819	204.71	6,074	8,829
204.20	5,514	5,874	204.72	6,085	8,890
204.21	5,525	5,929	204.73	6,096	8,950
204.22	5,536	5,984	204.74	6,107	9,011
204.23	5,547	6,040	204.75	6,118	9,073
204.24	5,558	6,095	204.76	6,129	9,134
204.25	5,569	6,151	204.77	6,140	9,195
204.26	5,580	6,207	204.78	6,151	9,257
204.27	5,591	6,262	204.79	6,162	9,318
204.28	5,602	6,318	204.80	6,173	9,380
204.29	5,613	6,374	204.81	6,184	9,442
204.30	5,624	6,431	204.82	6,195	9,504
204.31	5,635	6,487	204.83	6,206	9,566
204.32	5,646	6,543	204.84	6,217	9,628
204.33	5,657	6,600	204.85	6,228	9,690
204.34	5,668	6,656	204.86	6,239	9,752
204.35	5,679	6,713	204.87	6,250	9,815
204.36	5,690	6,770	204.88	6,261	9,877
204.37	5,701	6,827	204.89	6,272	9,940
204.38	5,712	6,884	204.90	6,283	10,003
204.39	5,723	6,941	204.91	6,294	10,066
204.40	5,734	6,999	204.92	6,305	10,129
204.41	5,745	7,056	204.93	6,316	10,192
204.42	5,756	7,113	204.94	6,327	10,255
204.43	5,767	7,171	204.95	6,338	10,318
204.44	5,778	7,229	204.96	6,349	10,382
204.45	5,789	7,287	204.97	6,360	10,445
204.46	5,800	7,345	204.98	6,371	10,509
204.47	5,811	7,403	204.99	6,382	10,573
204.48	5,822	7,461	205.00	6,393	10,637
204.49	5,833	7,519	205.01	6,400	10,700
204.50	5,844	7,577	205.02	6,407	10,765
204.51	5,854	7,636	205.03	6,415	10,829
204.52	5,865	7,694	205.04	6,422	10,893
204.53	5,876	7,753	205.05	6,429	10,957
204.54	5,887	7,812	205.06	6,436	11,021
204.55	5,898	7,871	205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 2.82" for Current 10 yr event
Inflow = 13.97 cfs @ 12.17 hrs, Volume= 1.256 af
Outflow = 0.26 cfs @ 23.52 hrs, Volume= 0.565 af, Atten= 98%, Lag= 681.3 min
Primary = 0.26 cfs @ 23.52 hrs, Volume= 0.565 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.66' @ 23.52 hrs Surf.Area= 17,232 sf Storage= 43,376 cf

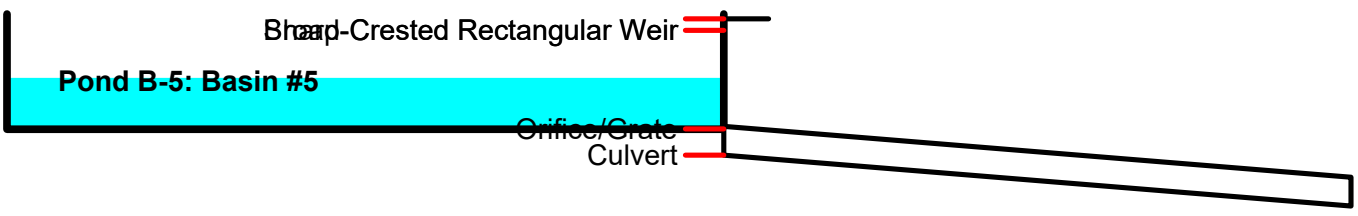
Plug-Flow detention time= 823.1 min calculated for 0.565 af (45% of inflow)
Center-of-Mass det. time= 699.6 min (1,549.1 - 849.6)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

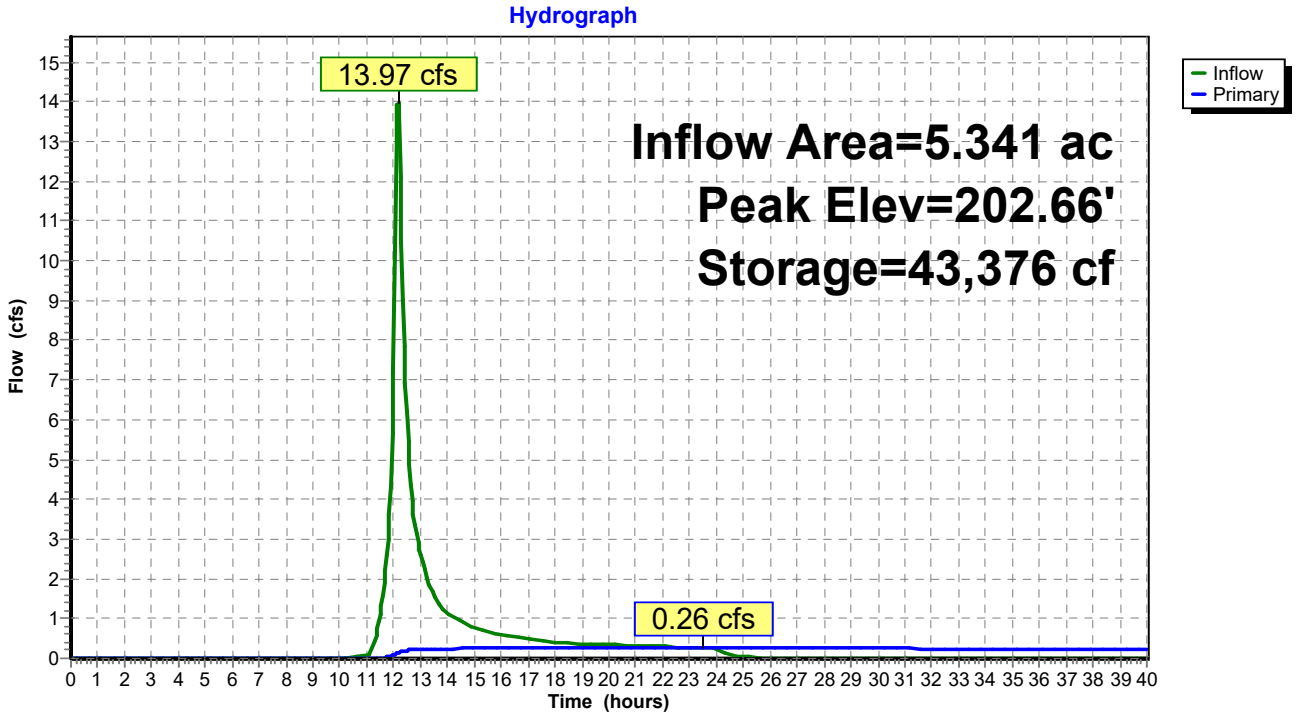
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.26 cfs @ 23.52 hrs HW=202.66' (Free Discharge)
- **1=Culvert** (Passes 0.26 cfs of 15.36 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.26 cfs @ 7.66 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	0	200.00	0.00
1.50	0.00	0	200.00	0.00
1.60	0.00	0	200.00	0.00
1.70	0.00	0	200.00	0.00
1.80	0.00	0	200.00	0.00
1.90	0.00	0	200.00	0.00
2.00	0.00	0	200.00	0.00
2.10	0.00	0	200.00	0.00
2.20	0.00	0	200.00	0.00
2.30	0.00	0	200.00	0.00
2.40	0.00	0	200.00	0.00
2.50	0.00	0	200.00	0.00
2.60	0.00	0	200.00	0.00
2.70	0.00	0	200.00	0.00
2.80	0.00	0	200.00	0.00
2.90	0.00	0	200.00	0.00
3.00	0.00	0	200.00	0.00
3.10	0.00	0	200.00	0.00
3.20	0.00	0	200.00	0.00
3.30	0.00	0	200.00	0.00
3.40	0.00	0	200.00	0.00
3.50	0.00	0	200.00	0.00
3.60	0.00	0	200.00	0.00
3.70	0.00	0	200.00	0.00
3.80	0.00	0	200.00	0.00
3.90	0.00	0	200.00	0.00
4.00	0.00	0	200.00	0.00
4.10	0.00	0	200.00	0.00
4.20	0.00	0	200.00	0.00
4.30	0.00	0	200.00	0.00
4.40	0.00	0	200.00	0.00
4.50	0.00	0	200.00	0.00
4.60	0.00	0	200.00	0.00
4.70	0.00	0	200.00	0.00
4.80	0.00	0	200.00	0.00
4.90	0.00	0	200.00	0.00
5.00	0.00	0	200.00	0.00
5.10	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	200.00	0.00
5.30	0.00	0	200.00	0.00
5.40	0.00	0	200.00	0.00
5.50	0.00	0	200.00	0.00
5.60	0.00	0	200.00	0.00
5.70	0.00	0	200.00	0.00
5.80	0.00	0	200.00	0.00
5.90	0.00	0	200.00	0.00
6.00	0.00	0	200.00	0.00
6.10	0.00	0	200.00	0.00
6.20	0.00	0	200.00	0.00
6.30	0.00	0	200.00	0.00
6.40	0.00	0	200.00	0.00
6.50	0.00	0	200.00	0.00
6.60	0.00	0	200.00	0.00
6.70	0.00	0	200.00	0.00
6.80	0.00	0	200.00	0.00
6.90	0.00	0	200.00	0.00
7.00	0.00	0	200.00	0.00
7.10	0.00	0	200.00	0.00
7.20	0.00	0	200.00	0.00
7.30	0.00	0	200.00	0.00
7.40	0.00	0	200.00	0.00
7.50	0.00	0	200.00	0.00
7.60	0.00	0	200.00	0.00
7.70	0.00	0	200.00	0.00
7.80	0.00	0	200.00	0.00
7.90	0.00	0	200.00	0.00
8.00	0.00	0	200.00	0.00
8.10	0.00	0	200.00	0.00
8.20	0.00	0	200.00	0.00
8.30	0.00	0	200.00	0.00
8.40	0.00	0	200.00	0.00
8.50	0.00	0	200.00	0.00
8.60	0.00	0	200.00	0.00
8.70	0.00	0	200.00	0.00
8.80	0.00	0	200.00	0.00
8.90	0.00	0	200.00	0.00
9.00	0.00	1	200.00	0.00
9.10	0.00	2	200.00	0.00
9.20	0.00	3	200.00	0.00
9.30	0.01	4	200.00	0.00
9.40	0.01	6	200.00	0.00
9.50	0.01	9	200.00	0.00
9.60	0.01	12	200.00	0.00
9.70	0.01	16	200.00	0.00
9.80	0.01	20	200.00	0.00
9.90	0.01	25	200.00	0.00
10.00	0.02	31	200.00	0.00
10.10	0.02	37	200.00	0.00
10.20	0.02	45	200.00	0.00
10.30	0.02	53	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.03	62	200.00	0.00
10.50	0.03	72	200.00	0.00
10.60	0.04	84	200.01	0.00
10.70	0.04	98	200.01	0.00
10.80	0.05	114	200.01	0.00
10.90	0.06	133	200.01	0.00
11.00	0.07	155	200.01	0.00
11.10	0.08	182	200.01	0.00
11.20	0.16	220	200.01	0.00
11.30	0.42	323	200.02	0.00
11.40	0.75	534	200.03	0.00
11.50	1.09	865	200.06	0.00
11.60	1.60	1,346	200.09	0.01
11.70	2.19	2,022	200.13	0.02
11.80	3.00	2,943	200.19	0.04
11.90	4.32	4,236	200.27	0.06
12.00	7.18	6,262	200.40	0.09
12.10	**12.98**	9,843	200.63	0.12
12.20	**13.70**	14,700	200.93	0.15
12.30	10.55	19,008	201.20	0.17
12.40	7.86	22,228	201.40	0.19
12.50	6.20	24,670	201.55	0.20
12.60	4.90	26,585	201.66	0.20
12.70	3.96	28,096	201.75	0.21
12.80	3.35	29,328	201.83	0.21
12.90	2.92	30,374	201.89	0.22
13.00	2.58	31,281	201.94	0.22
13.10	2.29	32,075	201.99	0.22
13.20	2.06	32,775	202.03	0.23
13.30	1.87	33,399	202.07	0.23
13.40	1.71	33,960	202.10	0.23
13.50	1.57	34,466	202.13	0.23
13.60	1.43	34,920	202.16	0.23
13.70	1.32	35,331	202.19	0.24
13.80	1.24	35,707	202.21	0.24
13.90	1.18	36,056	202.23	0.24
14.00	1.13	36,385	202.25	0.24
14.10	1.08	36,695	202.27	0.24
14.20	1.04	36,989	202.28	0.24
14.30	1.00	37,269	202.30	0.24
14.40	0.96	37,535	202.32	0.24
14.50	0.93	37,788	202.33	0.24
14.60	0.89	38,028	202.34	0.24
14.70	0.86	38,255	202.36	0.25
14.80	0.83	38,471	202.37	0.25
14.90	0.79	38,674	202.38	0.25
15.00	0.76	38,865	202.39	0.25
15.10	0.73	39,044	202.40	0.25
15.20	0.70	39,212	202.41	0.25
15.30	0.68	39,372	202.42	0.25
15.40	0.66	39,523	202.43	0.25
15.50	0.65	39,669	202.44	0.25

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.63	39,809	202.45	0.25
15.70	0.62	39,945	202.46	0.25
15.80	0.61	40,077	202.46	0.25
15.90	0.60	40,204	202.47	0.25
16.00	0.59	40,328	202.48	0.25
16.10	0.58	40,448	202.49	0.25
16.20	0.57	40,564	202.49	0.25
16.30	0.56	40,677	202.50	0.25
16.40	0.55	40,787	202.51	0.25
16.50	0.54	40,893	202.51	0.25
16.60	0.54	40,995	202.52	0.25
16.70	0.53	41,095	202.52	0.25
16.80	0.52	41,191	202.53	0.25
16.90	0.51	41,284	202.54	0.25
17.00	0.50	41,374	202.54	0.26
17.10	0.49	41,461	202.55	0.26
17.20	0.48	41,544	202.55	0.26
17.30	0.47	41,624	202.56	0.26
17.40	0.46	41,701	202.56	0.26
17.50	0.46	41,774	202.56	0.26
17.60	0.45	41,845	202.57	0.26
17.70	0.44	41,911	202.57	0.26
17.80	0.43	41,975	202.58	0.26
17.90	0.42	42,035	202.58	0.26
18.00	0.41	42,092	202.58	0.26
18.10	0.40	42,146	202.59	0.26
18.20	0.40	42,197	202.59	0.26
18.30	0.39	42,246	202.59	0.26
18.40	0.38	42,293	202.59	0.26
18.50	0.38	42,337	202.60	0.26
18.60	0.38	42,380	202.60	0.26
18.70	0.37	42,422	202.60	0.26
18.80	0.37	42,463	202.60	0.26
18.90	0.37	42,502	202.61	0.26
19.00	0.36	42,540	202.61	0.26
19.10	0.36	42,577	202.61	0.26
19.20	0.36	42,614	202.61	0.26
19.30	0.36	42,649	202.61	0.26
19.40	0.35	42,683	202.62	0.26
19.50	0.35	42,717	202.62	0.26
19.60	0.35	42,749	202.62	0.26
19.70	0.35	42,781	202.62	0.26
19.80	0.34	42,812	202.62	0.26
19.90	0.34	42,842	202.63	0.26
20.00	0.34	42,871	202.63	0.26
20.10	0.34	42,900	202.63	0.26
20.20	0.34	42,927	202.63	0.26
20.30	0.33	42,954	202.63	0.26
20.40	0.33	42,980	202.63	0.26
20.50	0.33	43,005	202.64	0.26
20.60	0.33	43,029	202.64	0.26
20.70	0.32	43,053	202.64	0.26

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.32	43,075	202.64	0.26
20.90	0.32	43,097	202.64	0.26
21.00	0.32	43,118	202.64	0.26
21.10	0.32	43,138	202.64	0.26
21.20	0.31	43,157	202.64	0.26
21.30	0.31	43,176	202.65	0.26
21.40	0.31	43,193	202.65	0.26
21.50	0.31	43,210	202.65	0.26
21.60	0.30	43,226	202.65	0.26
21.70	0.30	43,241	202.65	0.26
21.80	0.30	43,255	202.65	0.26
21.90	0.30	43,269	202.65	0.26
22.00	0.30	43,282	202.65	0.26
22.10	0.29	43,294	202.65	0.26
22.20	0.29	43,305	202.65	0.26
22.30	0.29	43,315	202.65	0.26
22.40	0.29	43,325	202.65	0.26
22.50	0.28	43,334	202.65	0.26
22.60	0.28	43,342	202.66	0.26
22.70	0.28	43,349	202.66	0.26
22.80	0.28	43,355	202.66	0.26
22.90	0.28	43,361	202.66	0.26
23.00	0.27	43,365	202.66	0.26
23.10	0.27	43,369	202.66	0.26
23.20	0.27	43,372	202.66	0.26
23.30	0.27	43,375	202.66	0.26
23.40	0.26	43,376	202.66	0.26
23.50	0.26	**43,377**	**202.66**	**0.26**
23.60	0.26	43,376	202.66	0.26
23.70	0.26	43,375	202.66	0.26
23.80	0.25	43,374	202.66	0.26
23.90	0.25	43,371	202.66	0.26
24.00	0.26	43,370	202.66	0.26
24.10	0.21	43,359	202.66	0.26
24.20	0.17	43,334	202.65	0.26
24.30	0.14	43,296	202.65	0.26
24.40	0.11	43,247	202.65	0.26
24.50	0.10	43,191	202.65	0.26
24.60	0.08	43,129	202.64	0.26
24.70	0.07	43,063	202.64	0.26
24.80	0.06	42,992	202.63	0.26
24.90	0.05	42,919	202.63	0.26
25.00	0.04	42,842	202.63	0.26
25.10	0.04	42,764	202.62	0.26
25.20	0.04	42,684	202.62	0.26
25.30	0.03	42,602	202.61	0.26
25.40	0.03	42,520	202.61	0.26
25.50	0.02	42,436	202.60	0.26
25.60	0.02	42,352	202.60	0.26
25.70	0.02	42,267	202.59	0.26
25.80	0.02	42,181	202.59	0.26
25.90	0.02	42,094	202.58	0.26

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.01	42,007	202.58	0.26
26.10	0.01	41,919	202.57	0.26
26.20	0.01	41,831	202.57	0.26
26.30	0.01	41,743	202.56	0.26
26.40	0.01	41,654	202.56	0.26
26.50	0.01	41,565	202.55	0.26
26.60	0.01	41,476	202.55	0.26
26.70	0.01	41,387	202.54	0.26
26.80	0.01	41,297	202.54	0.25
26.90	0.01	41,208	202.53	0.25
27.00	0.00	41,118	202.53	0.25
27.10	0.00	41,028	202.52	0.25
27.20	0.00	40,938	202.52	0.25
27.30	0.00	40,849	202.51	0.25
27.40	0.00	40,759	202.50	0.25
27.50	0.00	40,669	202.50	0.25
27.60	0.00	40,579	202.49	0.25
27.70	0.00	40,489	202.49	0.25
27.80	0.00	40,399	202.48	0.25
27.90	0.00	40,309	202.48	0.25
28.00	0.00	40,220	202.47	0.25
28.10	0.00	40,130	202.47	0.25
28.20	0.00	40,040	202.46	0.25
28.30	0.00	39,951	202.46	0.25
28.40	0.00	39,861	202.45	0.25
28.50	0.00	39,772	202.45	0.25
28.60	0.00	39,682	202.44	0.25
28.70	0.00	39,593	202.44	0.25
28.80	0.00	39,503	202.43	0.25
28.90	0.00	39,414	202.43	0.25
29.00	0.00	39,325	202.42	0.25
29.10	0.00	39,236	202.42	0.25
29.20	0.00	39,147	202.41	0.25
29.30	0.00	39,058	202.41	0.25
29.40	0.00	38,969	202.40	0.25
29.50	0.00	38,880	202.39	0.25
29.60	0.00	38,792	202.39	0.25
29.70	0.00	38,703	202.38	0.25
29.80	0.00	38,615	202.38	0.25
29.90	0.00	38,526	202.37	0.25
30.00	0.00	38,438	202.37	0.25
30.10	0.00	38,350	202.36	0.25
30.20	0.00	38,261	202.36	0.25
30.30	0.00	38,173	202.35	0.25
30.40	0.00	38,085	202.35	0.24
30.50	0.00	37,998	202.34	0.24
30.60	0.00	37,910	202.34	0.24
30.70	0.00	37,822	202.33	0.24
30.80	0.00	37,734	202.33	0.24
30.90	0.00	37,647	202.32	0.24
31.00	0.00	37,559	202.32	0.24
31.10	0.00	37,472	202.31	0.24

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	37,385	202.31	0.24
31.30	0.00	37,298	202.30	0.24
31.40	0.00	37,211	202.30	0.24
31.50	0.00	37,124	202.29	0.24
31.60	0.00	37,037	202.29	0.24
31.70	0.00	36,950	202.28	0.24
31.80	0.00	36,864	202.28	0.24
31.90	0.00	36,777	202.27	0.24
32.00	0.00	36,691	202.27	0.24
32.10	0.00	36,604	202.26	0.24
32.20	0.00	36,518	202.26	0.24
32.30	0.00	36,432	202.25	0.24
32.40	0.00	36,346	202.25	0.24
32.50	0.00	36,260	202.24	0.24
32.60	0.00	36,174	202.24	0.24
32.70	0.00	36,088	202.23	0.24
32.80	0.00	36,003	202.23	0.24
32.90	0.00	35,917	202.22	0.24
33.00	0.00	35,832	202.22	0.24
33.10	0.00	35,746	202.21	0.24
33.20	0.00	35,661	202.21	0.24
33.30	0.00	35,576	202.20	0.24
33.40	0.00	35,491	202.20	0.24
33.50	0.00	35,406	202.19	0.24
33.60	0.00	35,321	202.19	0.24
33.70	0.00	35,236	202.18	0.24
33.80	0.00	35,152	202.18	0.24
33.90	0.00	35,067	202.17	0.23
34.00	0.00	34,983	202.17	0.23
34.10	0.00	34,898	202.16	0.23
34.20	0.00	34,814	202.16	0.23
34.30	0.00	34,730	202.15	0.23
34.40	0.00	34,646	202.15	0.23
34.50	0.00	34,562	202.14	0.23
34.60	0.00	34,478	202.14	0.23
34.70	0.00	34,395	202.13	0.23
34.80	0.00	34,311	202.13	0.23
34.90	0.00	34,228	202.12	0.23
35.00	0.00	34,144	202.12	0.23
35.10	0.00	34,061	202.11	0.23
35.20	0.00	33,978	202.11	0.23
35.30	0.00	33,895	202.10	0.23
35.40	0.00	33,812	202.10	0.23
35.50	0.00	33,729	202.09	0.23
35.60	0.00	33,646	202.09	0.23
35.70	0.00	33,563	202.08	0.23
35.80	0.00	33,481	202.08	0.23
35.90	0.00	33,398	202.07	0.23
36.00	0.00	33,316	202.07	0.23
36.10	0.00	33,233	202.06	0.23
36.20	0.00	33,151	202.06	0.23
36.30	0.00	33,069	202.05	0.23

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	32,987	202.05	0.23
36.50	0.00	32,905	202.04	0.23
36.60	0.00	32,824	202.04	0.23
36.70	0.00	32,742	202.03	0.23
36.80	0.00	32,660	202.03	0.23
36.90	0.00	32,579	202.02	0.23
37.00	0.00	32,498	202.02	0.23
37.10	0.00	32,416	202.01	0.23
37.20	0.00	32,335	202.01	0.23
37.30	0.00	32,254	202.00	0.22
37.40	0.00	32,173	202.00	0.22
37.50	0.00	32,092	201.99	0.22
37.60	0.00	32,012	201.99	0.22
37.70	0.00	31,931	201.98	0.22
37.80	0.00	31,850	201.98	0.22
37.90	0.00	31,770	201.97	0.22
38.00	0.00	31,690	201.97	0.22
38.10	0.00	31,610	201.96	0.22
38.20	0.00	31,529	201.96	0.22
38.30	0.00	31,449	201.96	0.22
38.40	0.00	31,370	201.95	0.22
38.50	0.00	31,290	201.95	0.22
38.60	0.00	31,210	201.94	0.22
38.70	0.00	31,131	201.94	0.22
38.80	0.00	31,051	201.93	0.22
38.90	0.00	30,972	201.93	0.22
39.00	0.00	30,892	201.92	0.22
39.10	0.00	30,813	201.92	0.22
39.20	0.00	30,734	201.91	0.22
39.30	0.00	30,655	201.91	0.22
39.40	0.00	30,576	201.90	0.22
39.50	0.00	30,498	201.90	0.22
39.60	0.00	30,419	201.89	0.22
39.70	0.00	30,340	201.89	0.22
39.80	0.00	30,262	201.88	0.22
39.90	0.00	30,184	201.88	0.22
40.00	0.00	30,105	201.87	0.22

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0	200.52	15,784	8,122
200.01	15,461	155	200.53	15,790	8,280
200.02	15,468	309	200.54	15,796	8,438
200.03	15,474	464	200.55	15,803	8,596
200.04	15,480	619	200.56	15,809	8,754
200.05	15,487	774	200.57	15,815	8,912
200.06	15,493	928	200.58	15,822	9,070
200.07	15,499	1,083	200.59	15,828	9,228
200.08	15,506	1,238	200.60	15,834	9,387
200.09	15,512	1,394	200.61	15,841	9,545
200.10	15,518	1,549	200.62	15,847	9,704
200.11	15,525	1,704	200.63	15,853	9,862
200.12	15,531	1,859	200.64	15,859	10,021
200.13	15,537	2,014	200.65	15,866	10,179
200.14	15,543	2,170	200.66	15,872	10,338
200.15	15,550	2,325	200.67	15,878	10,497
200.16	15,556	2,481	200.68	15,885	10,656
200.17	15,562	2,636	200.69	15,891	10,814
200.18	15,569	2,792	200.70	15,897	10,973
200.19	15,575	2,948	200.71	15,904	11,132
200.20	15,581	3,104	200.72	15,910	11,291
200.21	15,588	3,259	200.73	15,916	11,451
200.22	15,594	3,415	200.74	15,923	11,610
200.23	15,600	3,571	200.75	15,929	11,769
200.24	15,607	3,727	200.76	15,935	11,928
200.25	15,613	3,884	200.77	15,942	12,088
200.26	15,619	4,040	200.78	15,948	12,247
200.27	15,626	4,196	200.79	15,954	12,407
200.28	15,632	4,352	200.80	15,961	12,566
200.29	15,638	4,509	200.81	15,967	12,726
200.30	15,645	4,665	200.82	15,973	12,886
200.31	15,651	4,821	200.83	15,980	13,045
200.32	15,657	4,978	200.84	15,986	13,205
200.33	15,664	5,135	200.85	15,992	13,365
200.34	15,670	5,291	200.86	15,999	13,525
200.35	15,676	5,448	200.87	16,005	13,685
200.36	15,683	5,605	200.88	16,011	13,845
200.37	15,689	5,762	200.89	16,017	14,005
200.38	15,695	5,919	200.90	16,024	14,165
200.39	15,701	6,076	200.91	16,030	14,326
200.40	15,708	6,233	200.92	16,036	14,486
200.41	15,714	6,390	200.93	16,043	14,646
200.42	15,720	6,547	200.94	16,049	14,807
200.43	15,727	6,704	200.95	16,055	14,967
200.44	15,733	6,861	200.96	16,062	15,128
200.45	15,739	7,019	200.97	16,068	15,289
200.46	15,746	7,176	200.98	16,074	15,449
200.47	15,752	7,334	200.99	16,081	15,610
200.48	15,758	7,491	201.00	16,087	15,771
200.49	15,765	7,649	201.01	16,094	15,932
200.50	15,771	7,807	201.02	16,101	16,093
200.51	15,777	7,964	201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415
201.05	16,121	16,576
201.06	16,128	16,737
201.07	16,135	16,899
201.08	16,142	17,060
201.09	16,149	17,222
201.10	16,156	17,383
201.11	16,163	17,545
201.12	16,170	17,706
201.13	16,176	17,868
201.14	16,183	18,030
201.15	16,190	18,192
201.16	16,197	18,354
201.17	16,204	18,516
201.18	16,211	18,678
201.19	16,218	18,840
201.20	16,225	19,002
201.21	16,231	19,164
201.22	16,238	19,327
201.23	16,245	19,489
201.24	16,252	19,652
201.25	16,259	19,814
201.26	16,266	19,977
201.27	16,273	20,140
201.28	16,280	20,302
201.29	16,287	20,465
201.30	16,293	20,628
201.31	16,300	20,791
201.32	16,307	20,954
201.33	16,314	21,117
201.34	16,321	21,280
201.35	16,328	21,444
201.36	16,335	21,607
201.37	16,342	21,770
201.38	16,348	21,934
201.39	16,355	22,097
201.40	16,362	22,261
201.41	16,369	22,424
201.42	16,376	22,588
201.43	16,383	22,752
201.44	16,390	22,916
201.45	16,397	23,080
201.46	16,403	23,244
201.47	16,410	23,408
201.48	16,417	23,572
201.49	16,424	23,736
201.50	16,431	23,901
201.51	16,438	24,065
201.52	16,445	24,229
201.53	16,452	24,394
201.54	16,459	24,558
201.55	16,465	24,723
201.56	16,472	24,888
201.57	16,479	25,052
201.58	16,486	25,217
201.59	16,493	25,382
201.60	16,500	25,547
201.61	16,507	25,712
201.62	16,514	25,877
201.63	16,520	26,042
201.64	16,527	26,208
201.65	16,534	26,373
201.66	16,541	26,538
201.67	16,548	26,704
201.68	16,555	26,869
201.69	16,562	27,035
201.70	16,569	27,200
201.71	16,575	27,366
201.72	16,582	27,532
201.73	16,589	27,698
201.74	16,596	27,864
201.75	16,603	28,030
201.76	16,610	28,196
201.77	16,617	28,362
201.78	16,624	28,528
201.79	16,631	28,694
201.80	16,637	28,861
201.81	16,644	29,027
201.82	16,651	29,194
201.83	16,658	29,360
201.84	16,665	29,527
201.85	16,672	29,693
201.86	16,679	29,860
201.87	16,686	30,027
201.88	16,692	30,194
201.89	16,699	30,361
201.90	16,706	30,528
201.91	16,713	30,695
201.92	16,720	30,862
201.93	16,727	31,029
201.94	16,734	31,197
201.95	16,741	31,364
201.96	16,747	31,532
201.97	16,754	31,699
201.98	16,761	31,867
201.99	16,768	32,034
202.00	16,775	32,202
202.01	16,782	32,370
202.02	16,789	32,538
202.03	16,796	32,706
202.04	16,803	32,874
202.05	16,810	33,042
202.06	16,817	33,210
202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427	203.64	17,917	60,649
203.13	17,562	51,602	203.65	17,924	60,828
203.14	17,569	51,778	203.66	17,931	61,008
203.15	17,576	51,953	203.67	17,938	61,187
203.16	17,583	52,129	203.68	17,945	61,366
203.17	17,589	52,305	203.69	17,952	61,546
203.18	17,596	52,481	203.70	17,959	61,725
203.19	17,603	52,657	203.71	17,966	61,905
203.20	17,610	52,833	203.72	17,973	62,085
203.21	17,617	53,009	203.73	17,980	62,265
203.22	17,624	53,185	203.74	17,987	62,444
203.23	17,631	53,362	203.75	17,994	62,624
203.24	17,638	53,538	203.76	18,001	62,804
203.25	17,645	53,715	203.77	18,008	62,984
203.26	17,652	53,891	203.78	18,015	63,164
203.27	17,659	54,068	203.79	18,022	63,345
203.28	17,666	54,244	203.80	18,029	63,525
203.29	17,673	54,421	203.81	18,036	63,705
203.30	17,680	54,598	203.82	18,043	63,886
203.31	17,687	54,775	203.83	18,050	64,066
203.32	17,694	54,951	203.84	18,056	64,247
203.33	17,701	55,128	203.85	18,063	64,427
203.34	17,708	55,305	203.86	18,070	64,608
203.35	17,715	55,483	203.87	18,077	64,789
203.36	17,722	55,660	203.88	18,084	64,969
203.37	17,729	55,837	203.89	18,091	65,150
203.38	17,736	56,014	203.90	18,098	65,331
203.39	17,743	56,192	203.91	18,105	65,512
203.40	17,750	56,369	203.92	18,112	65,693
203.41	17,757	56,547	203.93	18,119	65,874
203.42	17,764	56,724	203.94	18,126	66,056
203.43	17,771	56,902	203.95	18,133	66,237
203.44	17,778	57,080	203.96	18,140	66,418
203.45	17,785	57,258	203.97	18,147	66,600
203.46	17,792	57,435	203.98	18,154	66,781
203.47	17,799	57,613	203.99	18,161	66,963
203.48	17,806	57,791	204.00	18,168	67,145
203.49	17,813	57,969	204.01	18,178	67,326
203.50	17,820	58,148	204.02	18,188	67,508
203.51	17,826	58,326	204.03	18,197	67,690
203.52	17,833	58,504	204.04	18,207	67,872
203.53	17,840	58,683	204.05	18,217	68,054
203.54	17,847	58,861	204.06	18,227	68,236
203.55	17,854	59,039	204.07	18,236	68,419
203.56	17,861	59,218	204.08	18,246	68,601
203.57	17,868	59,397	204.09	18,256	68,784
203.58	17,875	59,575	204.10	18,266	68,966
203.59	17,882	59,754	204.11	18,275	69,149
203.60	17,889	59,933	204.12	18,285	69,332
203.61	17,896	60,112	204.13	18,295	69,515
203.62	17,903	60,291	204.14	18,305	69,698
203.63	17,910	60,470	204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064
204.17	18,334	70,247
204.18	18,344	70,431
204.19	18,354	70,614
204.20	18,363	70,798
204.21	18,373	70,981
204.22	18,383	71,165
204.23	18,393	71,349
204.24	18,402	71,533
204.25	18,412	71,717
204.26	18,422	71,901
204.27	18,432	72,085
204.28	18,442	72,270
204.29	18,451	72,454
204.30	18,461	72,639
204.31	18,471	72,824
204.32	18,481	73,008
204.33	18,490	73,193
204.34	18,500	73,378
204.35	18,510	73,563
204.36	18,520	73,748
204.37	18,529	73,934
204.38	18,539	74,119
204.39	18,549	74,304
204.40	18,559	74,490
204.41	18,569	74,675
204.42	18,578	74,861
204.43	18,588	75,047
204.44	18,598	75,233
204.45	18,608	75,419
204.46	18,617	75,605
204.47	18,627	75,791
204.48	18,637	75,978
204.49	18,647	76,164
204.50	18,657	76,351
204.51	18,666	76,537
204.52	18,676	76,724
204.53	18,686	76,911
204.54	18,696	77,098
204.55	18,705	77,285
204.56	18,715	77,472
204.57	18,725	77,659
204.58	18,735	77,846
204.59	18,744	78,034
204.60	18,754	78,221
204.61	18,764	78,409
204.62	18,774	78,596
204.63	18,784	78,784
204.64	18,793	78,972
204.65	18,803	79,160
204.66	18,813	79,348
204.67	18,823	79,536
204.68	18,832	79,725
204.69	18,842	79,913
204.70	18,852	80,101
204.71	18,862	80,290
204.72	18,871	80,479
204.73	18,881	80,667
204.74	18,891	80,856
204.75	18,901	81,045
204.76	18,911	81,234
204.77	18,920	81,423
204.78	18,930	81,613
204.79	18,940	81,802
204.80	18,950	81,992
204.81	18,959	82,181
204.82	18,969	82,371
204.83	18,979	82,560
204.84	18,989	82,750
204.85	18,998	82,940
204.86	19,008	83,130
204.87	19,018	83,320
204.88	19,028	83,511
204.89	19,038	83,701
204.90	19,047	83,891
204.91	19,057	84,082
204.92	19,067	84,273
204.93	19,077	84,463
204.94	19,086	84,654
204.95	19,096	84,845
204.96	19,106	85,036
204.97	19,116	85,227
204.98	19,125	85,418
204.99	19,135	85,610
205.00	19,145	85,801
205.01	19,155	85,992
205.02	19,164	86,184
205.03	19,174	86,376
205.04	19,183	86,568
205.05	19,193	86,759
205.06	19,202	86,951
205.07	19,212	87,143
205.08	19,222	87,336
205.09	19,231	87,528
205.10	19,241	87,720
205.11	19,250	87,913
205.12	19,260	88,105
205.13	19,270	88,298
205.14	19,279	88,491
205.15	19,289	88,684
205.16	19,298	88,876
205.17	19,308	89,069
205.18	19,317	89,263
205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 3.83" for Current 10 yr event
Inflow = 6.00 cfs @ 12.08 hrs, Volume= 0.380 af
Outflow = 0.19 cfs @ 14.65 hrs, Volume= 0.299 af, Atten= 97%, Lag= 154.2 min
Primary = 0.19 cfs @ 14.65 hrs, Volume= 0.299 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.92' @ 14.65 hrs Surf.Area= 6,702 sf Storage= 11,572 cf

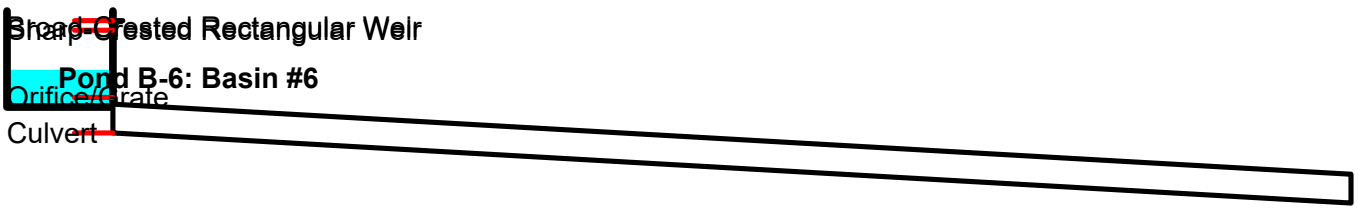
Plug-Flow detention time= 684.0 min calculated for 0.298 af (79% of inflow)
Center-of-Mass det. time= 600.2 min (1,369.0 - 768.9)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

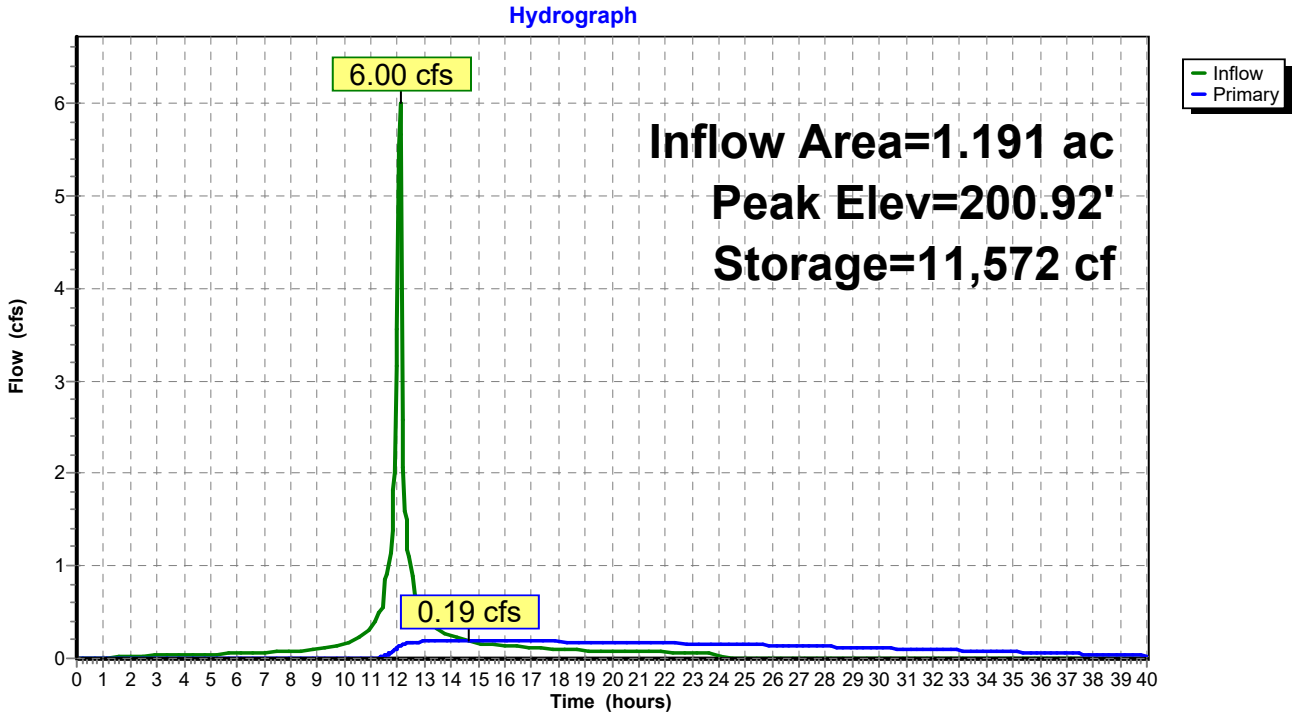
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.19 cfs @ 14.65 hrs HW=200.92' (Free Discharge)
- **1=Culvert** (Passes 0.19 cfs of 9.17 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.52 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	1	199.00	0.00
1.00	0.00	2	199.00	0.00
1.10	0.01	4	199.00	0.00
1.20	0.01	7	199.00	0.00
1.30	0.01	10	199.00	0.00
1.40	0.01	14	199.00	0.00
1.50	0.01	18	199.00	0.00
1.60	0.01	23	199.00	0.00
1.70	0.02	28	199.01	0.00
1.80	0.02	34	199.01	0.00
1.90	0.02	41	199.01	0.00
2.00	0.02	47	199.01	0.00
2.10	0.02	55	199.01	0.00
2.20	0.02	62	199.01	0.00
2.30	0.02	70	199.01	0.00
2.40	0.02	79	199.01	0.00
2.50	0.03	88	199.02	0.00
2.60	0.03	97	199.02	0.00
2.70	0.03	107	199.02	0.00
2.80	0.03	117	199.02	0.00
2.90	0.03	127	199.02	0.00
3.00	0.03	137	199.03	0.00
3.10	0.03	148	199.03	0.00
3.20	0.03	159	199.03	0.00
3.30	0.03	171	199.03	0.00
3.40	0.03	183	199.03	0.00
3.50	0.03	195	199.04	0.00
3.60	0.03	207	199.04	0.00
3.70	0.04	220	199.04	0.00
3.80	0.04	233	199.04	0.00
3.90	0.04	246	199.05	0.00
4.00	0.04	259	199.05	0.00
4.10	0.04	273	199.05	0.00
4.20	0.04	287	199.05	0.00
4.30	0.04	301	199.06	0.00
4.40	0.04	316	199.06	0.00
4.50	0.04	330	199.06	0.00
4.60	0.04	345	199.06	0.00
4.70	0.04	360	199.07	0.00
4.80	0.04	376	199.07	0.00
4.90	0.04	391	199.07	0.00
5.00	0.04	407	199.08	0.00
5.10	0.04	423	199.08	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	439	199.08	0.00
5.30	0.05	456	199.08	0.00
5.40	0.05	472	199.09	0.00
5.50	0.05	489	199.09	0.00
5.60	0.05	506	199.09	0.00
5.70	0.05	523	199.10	0.00
5.80	0.05	541	199.10	0.00
5.90	0.05	558	199.10	0.00
6.00	0.05	576	199.11	0.00
6.10	0.05	594	199.11	0.00
6.20	0.05	613	199.11	0.00
6.30	0.05	632	199.12	0.00
6.40	0.06	652	199.12	0.00
6.50	0.06	672	199.12	0.00
6.60	0.06	693	199.13	0.00
6.70	0.06	715	199.13	0.00
6.80	0.06	736	199.14	0.00
6.90	0.06	759	199.14	0.00
7.00	0.06	782	199.14	0.00
7.10	0.07	805	199.15	0.00
7.20	0.07	830	199.15	0.00
7.30	0.07	854	199.16	0.00
7.40	0.07	879	199.16	0.00
7.50	0.07	905	199.17	0.00
7.60	0.07	931	199.17	0.00
7.70	0.07	958	199.18	0.00
7.80	0.08	985	199.18	0.00
7.90	0.08	1,013	199.19	0.00
8.00	0.08	1,042	199.19	0.00
8.10	0.08	1,070	199.20	0.00
8.20	0.08	1,100	199.20	0.00
8.30	0.08	1,130	199.21	0.00
8.40	0.09	1,160	199.21	0.00
8.50	0.09	1,191	199.22	0.00
8.60	0.09	1,223	199.22	0.00
8.70	0.09	1,255	199.23	0.00
8.80	0.09	1,288	199.24	0.00
8.90	0.09	1,321	199.24	0.00
9.00	0.10	1,356	199.25	0.00
9.10	0.10	1,392	199.25	0.00
9.20	0.11	1,430	199.26	0.00
9.30	0.11	1,470	199.27	0.00
9.40	0.12	1,512	199.28	0.00
9.50	0.13	1,557	199.28	0.00
9.60	0.13	1,604	199.29	0.00
9.70	0.14	1,654	199.30	0.00
9.80	0.15	1,705	199.31	0.00
9.90	0.15	1,760	199.32	0.00
10.00	0.16	1,816	199.33	0.00
10.10	0.17	1,875	199.34	0.00
10.20	0.17	1,937	199.35	0.00
10.30	0.18	2,001	199.36	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.19	2,068	199.37	0.00
10.50	0.20	2,138	199.39	0.00
10.60	0.22	2,214	199.40	0.00
10.70	0.25	2,299	199.42	0.00
10.80	0.27	2,394	199.43	0.00
10.90	0.30	2,497	199.45	0.00
11.00	0.33	2,611	199.47	0.00
11.10	0.37	2,739	199.49	0.00
11.20	0.42	2,884	199.52	0.00
11.30	0.47	3,047	199.55	0.00
11.40	0.52	3,226	199.58	0.01
11.50	0.59	3,421	199.61	0.02
11.60	0.89	3,695	199.66	0.04
11.70	0.98	4,017	199.71	0.05
11.80	1.37	4,436	199.78	0.07
11.90	2.00	5,039	199.89	0.09
12.00	3.56	6,075	200.06	0.11
12.10	**5.66**	7,854	200.34	0.14
12.20	2.07	8,960	200.52	0.16
12.30	1.50	9,511	200.60	0.16
12.40	1.12	9,898	200.66	0.17
12.50	1.05	10,225	200.71	0.17
12.60	0.69	10,452	200.75	0.18
12.70	0.65	10,627	200.77	0.18
12.80	0.59	10,783	200.80	0.18
12.90	0.54	10,918	200.82	0.18
13.00	0.48	11,032	200.84	0.18
13.10	0.42	11,126	200.85	0.18
13.20	0.39	11,205	200.86	0.18
13.30	0.36	11,274	200.87	0.18
13.40	0.33	11,331	200.88	0.19
13.50	0.30	11,376	200.89	0.19
13.60	0.27	11,411	200.89	0.19
13.70	0.26	11,440	200.90	0.19
13.80	0.26	11,467	200.90	0.19
13.90	0.25	11,490	200.90	0.19
14.00	0.24	11,511	200.91	0.19
14.10	0.23	11,528	200.91	0.19
14.20	0.23	11,543	200.91	0.19
14.30	0.22	11,554	200.91	0.19
14.40	0.21	11,563	200.92	0.19
14.50	0.20	11,569	200.92	0.19
14.60	0.19	**11,572**	**200.92**	**0.19**
14.70	0.19	**11,572**	**200.92**	**0.19**
14.80	0.18	11,569	200.92	0.19
14.90	0.17	11,563	200.91	0.19
15.00	0.16	11,554	200.91	0.19
15.10	0.15	11,543	200.91	0.19
15.20	0.15	11,530	200.91	0.19
15.30	0.15	11,516	200.91	0.19
15.40	0.15	11,502	200.91	0.19
15.50	0.14	11,487	200.90	0.19

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.14	11,471	200.90	0.19
15.70	0.14	11,455	200.90	0.19
15.80	0.14	11,437	200.90	0.19
15.90	0.14	11,420	200.89	0.19
16.00	0.13	11,401	200.89	0.19
16.10	0.13	11,382	200.89	0.19
16.20	0.13	11,362	200.88	0.19
16.30	0.13	11,341	200.88	0.19
16.40	0.13	11,320	200.88	0.19
16.50	0.12	11,298	200.88	0.19
16.60	0.12	11,275	200.87	0.18
16.70	0.12	11,252	200.87	0.18
16.80	0.12	11,228	200.86	0.18
16.90	0.11	11,203	200.86	0.18
17.00	0.11	11,178	200.86	0.18
17.10	0.11	11,152	200.85	0.18
17.20	0.11	11,125	200.85	0.18
17.30	0.11	11,098	200.85	0.18
17.40	0.10	11,069	200.84	0.18
17.50	0.10	11,041	200.84	0.18
17.60	0.10	11,011	200.83	0.18
17.70	0.10	10,981	200.83	0.18
17.80	0.10	10,951	200.82	0.18
17.90	0.09	10,919	200.82	0.18
18.00	0.09	10,887	200.81	0.18
18.10	0.09	10,855	200.81	0.18
18.20	0.09	10,822	200.80	0.18
18.30	0.09	10,789	200.80	0.18
18.40	0.09	10,756	200.79	0.18
18.50	0.09	10,723	200.79	0.18
18.60	0.09	10,689	200.78	0.18
18.70	0.09	10,656	200.78	0.18
18.80	0.09	10,623	200.77	0.18
18.90	0.08	10,590	200.77	0.18
19.00	0.08	10,556	200.76	0.18
19.10	0.08	10,523	200.76	0.18
19.20	0.08	10,489	200.75	0.18
19.30	0.08	10,456	200.75	0.18
19.40	0.08	10,422	200.74	0.18
19.50	0.08	10,389	200.74	0.17
19.60	0.08	10,355	200.73	0.17
19.70	0.08	10,321	200.73	0.17
19.80	0.08	10,288	200.72	0.17
19.90	0.08	10,254	200.72	0.17
20.00	0.08	10,220	200.71	0.17
20.10	0.08	10,186	200.71	0.17
20.20	0.08	10,152	200.70	0.17
20.30	0.08	10,118	200.70	0.17
20.40	0.08	10,084	200.69	0.17
20.50	0.08	10,050	200.69	0.17
20.60	0.08	10,016	200.68	0.17
20.70	0.07	9,982	200.68	0.17

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	9,947	200.67	0.17
20.90	0.07	9,913	200.67	0.17
21.00	0.07	9,879	200.66	0.17
21.10	0.07	9,844	200.66	0.17
21.20	0.07	9,810	200.65	0.17
21.30	0.07	9,776	200.64	0.17
21.40	0.07	9,741	200.64	0.17
21.50	0.07	9,707	200.63	0.17
21.60	0.07	9,672	200.63	0.17
21.70	0.07	9,637	200.62	0.17
21.80	0.07	9,603	200.62	0.17
21.90	0.07	9,568	200.61	0.16
22.00	0.07	9,533	200.61	0.16
22.10	0.07	9,499	200.60	0.16
22.20	0.07	9,464	200.60	0.16
22.30	0.07	9,429	200.59	0.16
22.40	0.07	9,394	200.59	0.16
22.50	0.07	9,359	200.58	0.16
22.60	0.07	9,324	200.57	0.16
22.70	0.06	9,289	200.57	0.16
22.80	0.06	9,254	200.56	0.16
22.90	0.06	9,219	200.56	0.16
23.00	0.06	9,184	200.55	0.16
23.10	0.06	9,149	200.55	0.16
23.20	0.06	9,114	200.54	0.16
23.30	0.06	9,079	200.54	0.16
23.40	0.06	9,044	200.53	0.16
23.50	0.06	9,008	200.53	0.16
23.60	0.06	8,973	200.52	0.16
23.70	0.06	8,938	200.51	0.16
23.80	0.06	8,902	200.51	0.16
23.90	0.06	8,867	200.50	0.16
24.00	0.07	8,835	200.50	0.16
24.10	0.00	8,787	200.49	0.15
24.20	0.00	8,731	200.48	0.15
24.30	0.00	8,676	200.47	0.15
24.40	0.00	8,621	200.47	0.15
24.50	0.00	8,566	200.46	0.15
24.60	0.00	8,512	200.45	0.15
24.70	0.00	8,458	200.44	0.15
24.80	0.00	8,404	200.43	0.15
24.90	0.00	8,350	200.42	0.15
25.00	0.00	8,297	200.41	0.15
25.10	0.00	8,244	200.41	0.15
25.20	0.00	8,191	200.40	0.15
25.30	0.00	8,139	200.39	0.15
25.40	0.00	8,086	200.38	0.14
25.50	0.00	8,035	200.37	0.14
25.60	0.00	7,983	200.36	0.14
25.70	0.00	7,931	200.36	0.14
25.80	0.00	7,880	200.35	0.14
25.90	0.00	7,829	200.34	0.14

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,779	200.33	0.14
26.10	0.00	7,729	200.32	0.14
26.20	0.00	7,679	200.32	0.14
26.30	0.00	7,629	200.31	0.14
26.40	0.00	7,579	200.30	0.14
26.50	0.00	7,530	200.29	0.14
26.60	0.00	7,481	200.29	0.14
26.70	0.00	7,433	200.28	0.13
26.80	0.00	7,384	200.27	0.13
26.90	0.00	7,336	200.26	0.13
27.00	0.00	7,289	200.25	0.13
27.10	0.00	7,241	200.25	0.13
27.20	0.00	7,194	200.24	0.13
27.30	0.00	7,147	200.23	0.13
27.40	0.00	7,100	200.22	0.13
27.50	0.00	7,054	200.22	0.13
27.60	0.00	7,008	200.21	0.13
27.70	0.00	6,962	200.20	0.13
27.80	0.00	6,916	200.19	0.13
27.90	0.00	6,871	200.19	0.13
28.00	0.00	6,826	200.18	0.12
28.10	0.00	6,782	200.17	0.12
28.20	0.00	6,737	200.17	0.12
28.30	0.00	6,693	200.16	0.12
28.40	0.00	6,649	200.15	0.12
28.50	0.00	6,606	200.14	0.12
28.60	0.00	6,562	200.14	0.12
28.70	0.00	6,519	200.13	0.12
28.80	0.00	6,477	200.12	0.12
28.90	0.00	6,434	200.12	0.12
29.00	0.00	6,392	200.11	0.12
29.10	0.00	6,350	200.10	0.12
29.20	0.00	6,309	200.10	0.12
29.30	0.00	6,267	200.09	0.11
29.40	0.00	6,226	200.08	0.11
29.50	0.00	6,186	200.08	0.11
29.60	0.00	6,145	200.07	0.11
29.70	0.00	6,105	200.06	0.11
29.80	0.00	6,065	200.06	0.11
29.90	0.00	6,026	200.05	0.11
30.00	0.00	5,986	200.04	0.11
30.10	0.00	5,947	200.04	0.11
30.20	0.00	5,909	200.03	0.11
30.30	0.00	5,870	200.02	0.11
30.40	0.00	5,832	200.02	0.11
30.50	0.00	5,794	200.01	0.10
30.60	0.00	5,757	200.01	0.10
30.70	0.00	5,720	200.00	0.10
30.80	0.00	5,683	199.99	0.10
30.90	0.00	5,646	199.99	0.10
31.00	0.00	5,609	199.98	0.10
31.10	0.00	5,573	199.97	0.10

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,538	199.97	0.10
31.30	0.00	5,502	199.96	0.10
31.40	0.00	5,467	199.96	0.10
31.50	0.00	5,432	199.95	0.10
31.60	0.00	5,397	199.95	0.10
31.70	0.00	5,363	199.94	0.10
31.80	0.00	5,329	199.93	0.09
31.90	0.00	5,295	199.93	0.09
32.00	0.00	5,261	199.92	0.09
32.10	0.00	5,228	199.92	0.09
32.20	0.00	5,195	199.91	0.09
32.30	0.00	5,163	199.91	0.09
32.40	0.00	5,130	199.90	0.09
32.50	0.00	5,098	199.90	0.09
32.60	0.00	5,066	199.89	0.09
32.70	0.00	5,035	199.89	0.09
32.80	0.00	5,004	199.88	0.09
32.90	0.00	4,973	199.88	0.09
33.00	0.00	4,942	199.87	0.08
33.10	0.00	4,912	199.86	0.08
33.20	0.00	4,882	199.86	0.08
33.30	0.00	4,852	199.85	0.08
33.40	0.00	4,823	199.85	0.08
33.50	0.00	4,794	199.85	0.08
33.60	0.00	4,765	199.84	0.08
33.70	0.00	4,736	199.84	0.08
33.80	0.00	4,708	199.83	0.08
33.90	0.00	4,680	199.83	0.08
34.00	0.00	4,653	199.82	0.08
34.10	0.00	4,625	199.82	0.08
34.20	0.00	4,598	199.81	0.07
34.30	0.00	4,571	199.81	0.07
34.40	0.00	4,545	199.80	0.07
34.50	0.00	4,519	199.80	0.07
34.60	0.00	4,493	199.79	0.07
34.70	0.00	4,467	199.79	0.07
34.80	0.00	4,442	199.79	0.07
34.90	0.00	4,417	199.78	0.07
35.00	0.00	4,392	199.78	0.07
35.10	0.00	4,368	199.77	0.07
35.20	0.00	4,344	199.77	0.07
35.30	0.00	4,320	199.77	0.07
35.40	0.00	4,297	199.76	0.06
35.50	0.00	4,273	199.76	0.06
35.60	0.00	4,250	199.75	0.06
35.70	0.00	4,228	199.75	0.06
35.80	0.00	4,205	199.75	0.06
35.90	0.00	4,183	199.74	0.06
36.00	0.00	4,162	199.74	0.06
36.10	0.00	4,140	199.73	0.06
36.20	0.00	4,119	199.73	0.06
36.30	0.00	4,098	199.73	0.06

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,078	199.72	0.06
36.50	0.00	4,057	199.72	0.06
36.60	0.00	4,037	199.72	0.06
36.70	0.00	4,018	199.71	0.05
36.80	0.00	3,998	199.71	0.05
36.90	0.00	3,979	199.71	0.05
37.00	0.00	3,960	199.70	0.05
37.10	0.00	3,941	199.70	0.05
37.20	0.00	3,923	199.70	0.05
37.30	0.00	3,905	199.69	0.05
37.40	0.00	3,887	199.69	0.05
37.50	0.00	3,870	199.69	0.05
37.60	0.00	3,853	199.69	0.05
37.70	0.00	3,837	199.68	0.05
37.80	0.00	3,821	199.68	0.04
37.90	0.00	3,805	199.68	0.04
38.00	0.00	3,789	199.67	0.04
38.10	0.00	3,774	199.67	0.04
38.20	0.00	3,759	199.67	0.04
38.30	0.00	3,744	199.67	0.04
38.40	0.00	3,730	199.66	0.04
38.50	0.00	3,716	199.66	0.04
38.60	0.00	3,702	199.66	0.04
38.70	0.00	3,688	199.66	0.04
38.80	0.00	3,675	199.66	0.04
38.90	0.00	3,662	199.65	0.04
39.00	0.00	3,650	199.65	0.03
39.10	0.00	3,637	199.65	0.03
39.20	0.00	3,625	199.65	0.03
39.30	0.00	3,613	199.64	0.03
39.40	0.00	3,601	199.64	0.03
39.50	0.00	3,590	199.64	0.03
39.60	0.00	3,579	199.64	0.03
39.70	0.00	3,568	199.64	0.03
39.80	0.00	3,557	199.63	0.03
39.90	0.00	3,547	199.63	0.03
40.00	0.00	3,536	199.63	0.03

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678	201.60	7,198	16,323
201.09	6,827	12,746	201.61	7,206	16,395
201.10	6,834	12,815	201.62	7,213	16,467
201.11	6,841	12,883	201.63	7,220	16,539
201.12	6,848	12,952	201.64	7,228	16,611
201.13	6,856	13,020	201.65	7,235	16,684
201.14	6,863	13,089	201.66	7,242	16,756
201.15	6,870	13,157	201.67	7,249	16,828
201.16	6,878	13,226	201.68	7,257	16,901
201.17	6,885	13,295	201.69	7,264	16,974
201.18	6,892	13,364	201.70	7,271	17,046
201.19	6,900	13,433	201.71	7,279	17,119
201.20	6,907	13,502	201.72	7,286	17,192
201.21	6,914	13,571	201.73	7,293	17,265
201.22	6,921	13,640	201.74	7,300	17,338
201.23	6,929	13,709	201.75	7,308	17,411
201.24	6,936	13,779	201.76	7,315	17,484
201.25	6,943	13,848	201.77	7,322	17,557
201.26	6,951	13,918	201.78	7,330	17,630
201.27	6,958	13,987	201.79	7,337	17,704
201.28	6,965	14,057	201.80	7,344	17,777
201.29	6,972	14,126	201.81	7,351	17,851
201.30	6,980	14,196	201.82	7,359	17,924
201.31	6,987	14,266	201.83	7,366	17,998
201.32	6,994	14,336	201.84	7,373	18,071
201.33	7,002	14,406	201.85	7,381	18,145
201.34	7,009	14,476	201.86	7,388	18,219
201.35	7,016	14,546	201.87	7,395	18,293
201.36	7,023	14,616	201.88	7,403	18,367
201.37	7,031	14,686	201.89	7,410	18,441
201.38	7,038	14,757	201.90	7,417	18,515
201.39	7,045	14,827	201.91	7,424	18,589
201.40	7,053	14,898	201.92	7,432	18,664
201.41	7,060	14,968	201.93	7,439	18,738
201.42	7,067	15,039	201.94	7,446	18,812
201.43	7,074	15,110	201.95	7,454	18,887
201.44	7,082	15,180	201.96	7,461	18,961
201.45	7,089	15,251	201.97	7,468	19,036
201.46	7,096	15,322	201.98	7,475	19,111
201.47	7,104	15,393	201.99	7,483	19,186
201.48	7,111	15,464	202.00	7,490	19,261
201.49	7,118	15,535	202.01	7,498	19,335
201.50	7,126	15,607	202.02	7,505	19,410
201.51	7,133	15,678	202.03	7,513	19,486
201.52	7,140	15,749	202.04	7,520	19,561
201.53	7,147	15,821	202.05	7,528	19,636
201.54	7,155	15,892	202.06	7,535	19,711
201.55	7,162	15,964	202.07	7,543	19,787
201.56	7,169	16,035	202.08	7,551	19,862
201.57	7,177	16,107	202.09	7,558	19,938
201.58	7,184	16,179	202.10	7,566	20,013
201.59	7,191	16,251	202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 3.94" for Current 10 yr event
Inflow = 7.91 cfs @ 12.06 hrs, Volume= 0.513 af
Outflow = 0.18 cfs @ 15.79 hrs, Volume= 0.346 af, Atten= 98%, Lag= 223.7 min
Primary = 0.18 cfs @ 15.79 hrs, Volume= 0.346 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 208.79' @ 15.79 hrs Surf.Area= 9,797 sf Storage= 16,533 cf

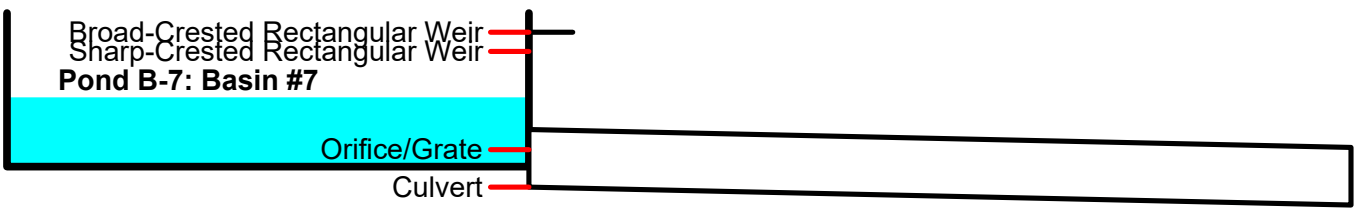
Plug-Flow detention time= 799.2 min calculated for 0.346 af (67% of inflow)
Center-of-Mass det. time= 695.6 min (1,460.6 - 765.0)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

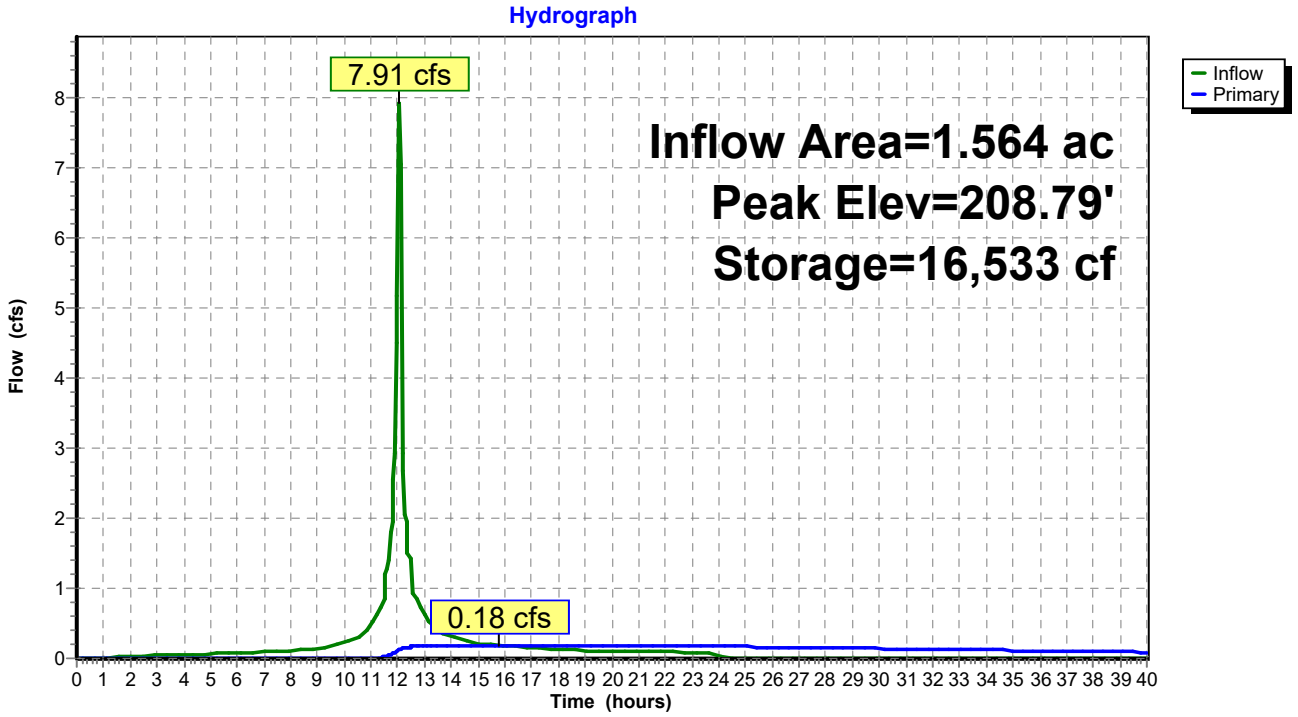
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.18 cfs @ 15.79 hrs HW=208.79' (Free Discharge)
- **1=Culvert** (Passes 0.18 cfs of 8.97 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.37 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	0.00
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.00	0	207.00	0.00
0.50	0.00	0	207.00	0.00
0.60	0.00	0	207.00	0.00
0.70	0.00	0	207.00	0.00
0.80	0.00	0	207.00	0.00
0.90	0.00	1	207.00	0.00
1.00	0.01	3	207.00	0.00
1.10	0.01	6	207.00	0.00
1.20	0.01	10	207.00	0.00
1.30	0.01	14	207.00	0.00
1.40	0.02	20	207.00	0.00
1.50	0.02	26	207.00	0.00
1.60	0.02	33	207.00	0.00
1.70	0.02	41	207.00	0.00
1.80	0.02	49	207.01	0.00
1.90	0.03	59	207.01	0.00
2.00	0.03	68	207.01	0.00
2.10	0.03	79	207.01	0.00
2.20	0.03	90	207.01	0.00
2.30	0.03	101	207.01	0.00
2.40	0.03	113	207.01	0.00
2.50	0.04	126	207.01	0.00
2.60	0.04	139	207.02	0.00
2.70	0.04	152	207.02	0.00
2.80	0.04	167	207.02	0.00
2.90	0.04	181	207.02	0.00
3.00	0.04	196	207.02	0.00
3.10	0.04	212	207.02	0.00
3.20	0.04	228	207.03	0.00
3.30	0.05	244	207.03	0.00
3.40	0.05	261	207.03	0.00
3.50	0.05	278	207.03	0.00
3.60	0.05	296	207.03	0.00
3.70	0.05	313	207.04	0.00
3.80	0.05	332	207.04	0.00
3.90	0.05	350	207.04	0.00
4.00	0.05	370	207.04	0.00
4.10	0.05	389	207.04	0.00
4.20	0.06	409	207.05	0.00
4.30	0.06	429	207.05	0.00
4.40	0.06	449	207.05	0.00
4.50	0.06	470	207.05	0.00
4.60	0.06	491	207.06	0.00
4.70	0.06	513	207.06	0.00
4.80	0.06	534	207.06	0.00
4.90	0.06	557	207.06	0.00
5.00	0.06	579	207.07	0.00
5.10	0.06	602	207.07	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	625	207.07	0.00
5.30	0.06	648	207.07	0.00
5.40	0.07	671	207.08	0.00
5.50	0.07	695	207.08	0.00
5.60	0.07	719	207.08	0.00
5.70	0.07	744	207.09	0.00
5.80	0.07	768	207.09	0.00
5.90	0.07	793	207.09	0.00
6.00	0.07	819	207.09	0.00
6.10	0.07	844	207.10	0.00
6.20	0.07	871	207.10	0.00
6.30	0.08	898	207.10	0.00
6.40	0.08	927	207.11	0.00
6.50	0.08	956	207.11	0.00
6.60	0.08	985	207.11	0.00
6.70	0.09	1,016	207.12	0.00
6.80	0.09	1,047	207.12	0.00
6.90	0.09	1,078	207.12	0.00
7.00	0.09	1,111	207.13	0.00
7.10	0.09	1,145	207.13	0.00
7.20	0.10	1,179	207.13	0.00
7.30	0.10	1,214	207.14	0.00
7.40	0.10	1,249	207.14	0.00
7.50	0.10	1,286	207.15	0.00
7.60	0.10	1,323	207.15	0.00
7.70	0.11	1,361	207.16	0.00
7.80	0.11	1,400	207.16	0.00
7.90	0.11	1,439	207.16	0.00
8.00	0.11	1,480	207.17	0.00
8.10	0.11	1,521	207.17	0.00
8.20	0.12	1,562	207.18	0.00
8.30	0.12	1,605	207.18	0.00
8.40	0.12	1,648	207.19	0.00
8.50	0.12	1,692	207.19	0.00
8.60	0.13	1,737	207.20	0.00
8.70	0.13	1,783	207.20	0.00
8.80	0.13	1,830	207.21	0.00
8.90	0.13	1,877	207.21	0.00
9.00	0.14	1,925	207.22	0.00
9.10	0.14	1,976	207.23	0.00
9.20	0.15	2,030	207.23	0.00
9.30	0.16	2,088	207.24	0.00
9.40	0.17	2,148	207.24	0.00
9.50	0.18	2,211	207.25	0.00
9.60	0.19	2,277	207.26	0.00
9.70	0.20	2,347	207.27	0.00
9.80	0.21	2,420	207.28	0.00
9.90	0.22	2,496	207.28	0.00
10.00	0.22	2,576	207.29	0.00
10.10	0.23	2,658	207.30	0.00
10.20	0.24	2,745	207.31	0.00
10.30	0.25	2,835	207.32	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	2,928	207.33	0.00
10.50	0.28	3,026	207.34	0.00
10.60	0.31	3,133	207.36	0.00
10.70	0.34	3,253	207.37	0.00
10.80	0.38	3,385	207.38	0.00
10.90	0.41	3,530	207.40	0.00
11.00	0.46	3,688	207.42	0.00
11.10	0.52	3,867	207.44	0.00
11.20	0.59	4,070	207.46	0.00
11.30	0.66	4,297	207.49	0.00
11.40	0.73	4,547	207.51	0.01
11.50	0.85	4,822	207.54	0.02
11.60	1.23	5,216	207.59	0.03
11.70	1.39	5,669	207.64	0.05
11.80	1.95	6,272	207.70	0.07
11.90	2.93	7,142	207.80	0.08
12.00	**5.17**	8,646	207.96	0.11
12.10	**7.05**	11,102	208.22	0.14
12.20	2.67	12,449	208.37	0.15
12.30	1.94	13,180	208.44	0.16
12.40	1.49	13,703	208.50	0.16
12.50	1.34	14,156	208.54	0.16
12.60	0.92	14,467	208.58	0.17
12.70	0.86	14,723	208.60	0.17
12.80	0.78	14,952	208.63	0.17
12.90	0.71	15,154	208.65	0.17
13.00	0.63	15,328	208.66	0.17
13.10	0.56	15,475	208.68	0.17
13.20	0.52	15,604	208.69	0.18
13.30	0.48	15,719	208.70	0.18
13.40	0.44	15,818	208.72	0.18
13.50	0.40	15,902	208.72	0.18
13.60	0.36	15,972	208.73	0.18
13.70	0.35	16,035	208.74	0.18
13.80	0.34	16,095	208.74	0.18
13.90	0.33	16,150	208.75	0.18
14.00	0.32	16,202	208.75	0.18
14.10	0.31	16,249	208.76	0.18
14.20	0.30	16,293	208.76	0.18
14.30	0.29	16,333	208.77	0.18
14.40	0.28	16,368	208.77	0.18
14.50	0.27	16,400	208.77	0.18
14.60	0.26	16,428	208.78	0.18
14.70	0.24	16,452	208.78	0.18
14.80	0.23	16,472	208.78	0.18
14.90	0.22	16,488	208.78	0.18
15.00	0.21	16,500	208.78	0.18
15.10	0.20	16,508	208.79	0.18
15.20	0.20	16,515	208.79	0.18
15.30	0.20	16,520	208.79	0.18
15.40	0.20	16,525	208.79	0.18
15.50	0.19	16,529	208.79	0.18

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	16,531	208.79	0.18
15.70	0.19	16,533	208.79	0.18
15.80	0.18	**16,533**	**208.79**	**0.18**
15.90	0.18	16,533	208.79	0.18
16.00	0.18	16,531	208.79	0.18
16.10	0.18	16,529	208.79	0.18
16.20	0.17	16,525	208.79	0.18
16.30	0.17	16,520	208.79	0.18
16.40	0.17	16,515	208.79	0.18
16.50	0.16	16,508	208.79	0.18
16.60	0.16	16,501	208.78	0.18
16.70	0.16	16,492	208.78	0.18
16.80	0.15	16,482	208.78	0.18
16.90	0.15	16,472	208.78	0.18
17.00	0.15	16,460	208.78	0.18
17.10	0.15	16,447	208.78	0.18
17.20	0.14	16,434	208.78	0.18
17.30	0.14	16,419	208.78	0.18
17.40	0.14	16,403	208.78	0.18
17.50	0.13	16,387	208.77	0.18
17.60	0.13	16,369	208.77	0.18
17.70	0.13	16,351	208.77	0.18
17.80	0.13	16,331	208.77	0.18
17.90	0.12	16,311	208.77	0.18
18.00	0.12	16,289	208.76	0.18
18.10	0.12	16,267	208.76	0.18
18.20	0.12	16,244	208.76	0.18
18.30	0.12	16,221	208.76	0.18
18.40	0.12	16,197	208.75	0.18
18.50	0.12	16,174	208.75	0.18
18.60	0.11	16,150	208.75	0.18
18.70	0.11	16,126	208.75	0.18
18.80	0.11	16,102	208.74	0.18
18.90	0.11	16,078	208.74	0.18
19.00	0.11	16,054	208.74	0.18
19.10	0.11	16,029	208.74	0.18
19.20	0.11	16,004	208.73	0.18
19.30	0.11	15,979	208.73	0.18
19.40	0.11	15,954	208.73	0.18
19.50	0.11	15,929	208.73	0.18
19.60	0.11	15,903	208.72	0.18
19.70	0.11	15,878	208.72	0.18
19.80	0.11	15,852	208.72	0.18
19.90	0.11	15,826	208.72	0.18
20.00	0.10	15,800	208.71	0.18
20.10	0.10	15,773	208.71	0.18
20.20	0.10	15,747	208.71	0.18
20.30	0.10	15,720	208.71	0.18
20.40	0.10	15,693	208.70	0.18
20.50	0.10	15,666	208.70	0.18
20.60	0.10	15,638	208.70	0.18
20.70	0.10	15,611	208.69	0.18

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	15,583	208.69	0.18
20.90	0.10	15,555	208.69	0.18
21.00	0.10	15,527	208.69	0.18
21.10	0.10	15,499	208.68	0.18
21.20	0.10	15,471	208.68	0.17
21.30	0.10	15,442	208.68	0.17
21.40	0.09	15,413	208.67	0.17
21.50	0.09	15,384	208.67	0.17
21.60	0.09	15,355	208.67	0.17
21.70	0.09	15,326	208.66	0.17
21.80	0.09	15,296	208.66	0.17
21.90	0.09	15,267	208.66	0.17
22.00	0.09	15,237	208.66	0.17
22.10	0.09	15,207	208.65	0.17
22.20	0.09	15,177	208.65	0.17
22.30	0.09	15,147	208.65	0.17
22.40	0.09	15,116	208.64	0.17
22.50	0.09	15,085	208.64	0.17
22.60	0.09	15,055	208.64	0.17
22.70	0.08	15,024	208.63	0.17
22.80	0.08	14,992	208.63	0.17
22.90	0.08	14,961	208.63	0.17
23.00	0.08	14,929	208.62	0.17
23.10	0.08	14,898	208.62	0.17
23.20	0.08	14,866	208.62	0.17
23.30	0.08	14,834	208.61	0.17
23.40	0.08	14,802	208.61	0.17
23.50	0.08	14,769	208.61	0.17
23.60	0.08	14,737	208.60	0.17
23.70	0.08	14,704	208.60	0.17
23.80	0.08	14,671	208.60	0.17
23.90	0.08	14,638	208.59	0.17
24.00	0.08	14,609	208.59	0.17
24.10	0.00	14,556	208.59	0.17
24.20	0.00	14,496	208.58	0.17
24.30	0.00	14,436	208.57	0.17
24.40	0.00	14,376	208.57	0.17
24.50	0.00	14,316	208.56	0.17
24.60	0.00	14,257	208.55	0.16
24.70	0.00	14,197	208.55	0.16
24.80	0.00	14,138	208.54	0.16
24.90	0.00	14,079	208.54	0.16
25.00	0.00	14,021	208.53	0.16
25.10	0.00	13,962	208.52	0.16
25.20	0.00	13,904	208.52	0.16
25.30	0.00	13,846	208.51	0.16
25.40	0.00	13,787	208.51	0.16
25.50	0.00	13,730	208.50	0.16
25.60	0.00	13,672	208.49	0.16
25.70	0.00	13,615	208.49	0.16
25.80	0.00	13,557	208.48	0.16
25.90	0.00	13,500	208.48	0.16

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,443	208.47	0.16
26.10	0.00	13,386	208.46	0.16
26.20	0.00	13,330	208.46	0.16
26.30	0.00	13,273	208.45	0.16
26.40	0.00	13,217	208.45	0.16
26.50	0.00	13,161	208.44	0.16
26.60	0.00	13,105	208.43	0.15
26.70	0.00	13,050	208.43	0.15
26.80	0.00	12,994	208.42	0.15
26.90	0.00	12,939	208.42	0.15
27.00	0.00	12,884	208.41	0.15
27.10	0.00	12,829	208.41	0.15
27.20	0.00	12,774	208.40	0.15
27.30	0.00	12,720	208.39	0.15
27.40	0.00	12,665	208.39	0.15
27.50	0.00	12,611	208.38	0.15
27.60	0.00	12,557	208.38	0.15
27.70	0.00	12,503	208.37	0.15
27.80	0.00	12,450	208.37	0.15
27.90	0.00	12,396	208.36	0.15
28.00	0.00	12,343	208.35	0.15
28.10	0.00	12,290	208.35	0.15
28.20	0.00	12,237	208.34	0.15
28.30	0.00	12,184	208.34	0.15
28.40	0.00	12,131	208.33	0.15
28.50	0.00	12,079	208.33	0.15
28.60	0.00	12,027	208.32	0.14
28.70	0.00	11,975	208.32	0.14
28.80	0.00	11,923	208.31	0.14
28.90	0.00	11,872	208.31	0.14
29.00	0.00	11,820	208.30	0.14
29.10	0.00	11,769	208.29	0.14
29.20	0.00	11,718	208.29	0.14
29.30	0.00	11,667	208.28	0.14
29.40	0.00	11,616	208.28	0.14
29.50	0.00	11,566	208.27	0.14
29.60	0.00	11,515	208.27	0.14
29.70	0.00	11,465	208.26	0.14
29.80	0.00	11,415	208.26	0.14
29.90	0.00	11,365	208.25	0.14
30.00	0.00	11,316	208.25	0.14
30.10	0.00	11,266	208.24	0.14
30.20	0.00	11,217	208.24	0.14
30.30	0.00	11,168	208.23	0.14
30.40	0.00	11,119	208.23	0.14
30.50	0.00	11,070	208.22	0.13
30.60	0.00	11,022	208.22	0.13
30.70	0.00	10,974	208.21	0.13
30.80	0.00	10,926	208.21	0.13
30.90	0.00	10,878	208.20	0.13
31.00	0.00	10,830	208.19	0.13
31.10	0.00	10,782	208.19	0.13

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,735	208.18	0.13
31.30	0.00	10,688	208.18	0.13
31.40	0.00	10,641	208.17	0.13
31.50	0.00	10,594	208.17	0.13
31.60	0.00	10,547	208.16	0.13
31.70	0.00	10,501	208.16	0.13
31.80	0.00	10,454	208.16	0.13
31.90	0.00	10,408	208.15	0.13
32.00	0.00	10,362	208.15	0.13
32.10	0.00	10,317	208.14	0.13
32.20	0.00	10,271	208.14	0.13
32.30	0.00	10,226	208.13	0.13
32.40	0.00	10,181	208.13	0.13
32.50	0.00	10,136	208.12	0.12
32.60	0.00	10,091	208.12	0.12
32.70	0.00	10,046	208.11	0.12
32.80	0.00	10,002	208.11	0.12
32.90	0.00	9,958	208.10	0.12
33.00	0.00	9,914	208.10	0.12
33.10	0.00	9,870	208.09	0.12
33.20	0.00	9,826	208.09	0.12
33.30	0.00	9,783	208.08	0.12
33.40	0.00	9,739	208.08	0.12
33.50	0.00	9,696	208.07	0.12
33.60	0.00	9,653	208.07	0.12
33.70	0.00	9,611	208.07	0.12
33.80	0.00	9,568	208.06	0.12
33.90	0.00	9,526	208.06	0.12
34.00	0.00	9,484	208.05	0.12
34.10	0.00	9,442	208.05	0.12
34.20	0.00	9,400	208.04	0.12
34.30	0.00	9,358	208.04	0.12
34.40	0.00	9,317	208.03	0.11
34.50	0.00	9,275	208.03	0.11
34.60	0.00	9,234	208.02	0.11
34.70	0.00	9,194	208.02	0.11
34.80	0.00	9,153	208.02	0.11
34.90	0.00	9,112	208.01	0.11
35.00	0.00	9,072	208.01	0.11
35.10	0.00	9,032	208.00	0.11
35.20	0.00	8,992	208.00	0.11
35.30	0.00	8,952	207.99	0.11
35.40	0.00	8,913	207.99	0.11
35.50	0.00	8,873	207.99	0.11
35.60	0.00	8,834	207.98	0.11
35.70	0.00	8,795	207.98	0.11
35.80	0.00	8,756	207.97	0.11
35.90	0.00	8,718	207.97	0.11
36.00	0.00	8,679	207.97	0.11
36.10	0.00	8,641	207.96	0.11
36.20	0.00	8,603	207.96	0.11
36.30	0.00	8,565	207.95	0.10

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,528	207.95	0.10
36.50	0.00	8,490	207.94	0.10
36.60	0.00	8,453	207.94	0.10
36.70	0.00	8,416	207.94	0.10
36.80	0.00	8,379	207.93	0.10
36.90	0.00	8,342	207.93	0.10
37.00	0.00	8,305	207.92	0.10
37.10	0.00	8,269	207.92	0.10
37.20	0.00	8,233	207.92	0.10
37.30	0.00	8,197	207.91	0.10
37.40	0.00	8,161	207.91	0.10
37.50	0.00	8,126	207.91	0.10
37.60	0.00	8,090	207.90	0.10
37.70	0.00	8,055	207.90	0.10
37.80	0.00	8,020	207.89	0.10
37.90	0.00	7,985	207.89	0.10
38.00	0.00	7,950	207.89	0.10
38.10	0.00	7,916	207.88	0.10
38.20	0.00	7,882	207.88	0.09
38.30	0.00	7,848	207.88	0.09
38.40	0.00	7,814	207.87	0.09
38.50	0.00	7,780	207.87	0.09
38.60	0.00	7,746	207.86	0.09
38.70	0.00	7,713	207.86	0.09
38.80	0.00	7,680	207.86	0.09
38.90	0.00	7,647	207.85	0.09
39.00	0.00	7,614	207.85	0.09
39.10	0.00	7,582	207.85	0.09
39.20	0.00	7,549	207.84	0.09
39.30	0.00	7,517	207.84	0.09
39.40	0.00	7,485	207.84	0.09
39.50	0.00	7,453	207.83	0.09
39.60	0.00	7,422	207.83	0.09
39.70	0.00	7,390	207.83	0.09
39.80	0.00	7,359	207.82	0.09
39.90	0.00	7,328	207.82	0.09
40.00	0.00	7,297	207.82	0.09

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 2.98" for Current 10 yr event
Inflow = 8.55 cfs @ 12.06 hrs, Volume= 0.518 af
Outflow = 0.72 cfs @ 13.01 hrs, Volume= 0.381 af, Atten= 92%, Lag= 56.5 min
Primary = 0.72 cfs @ 13.01 hrs, Volume= 0.381 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.98' @ 13.01 hrs Surf.Area= 14,250 sf Storage= 13,430 cf

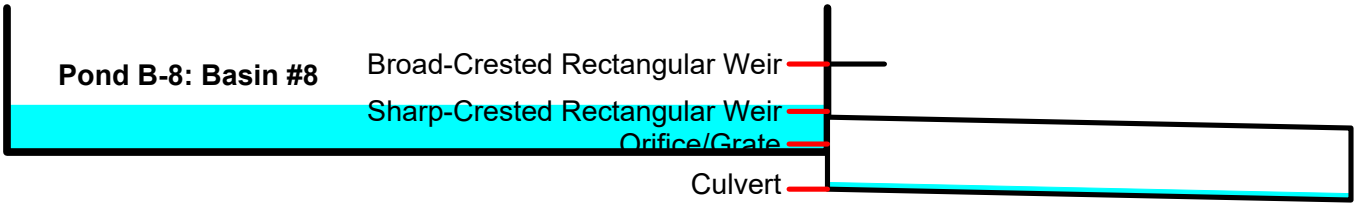
Plug-Flow detention time= 568.3 min calculated for 0.381 af (73% of inflow)
Center-of-Mass det. time= 471.6 min (1,272.7 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

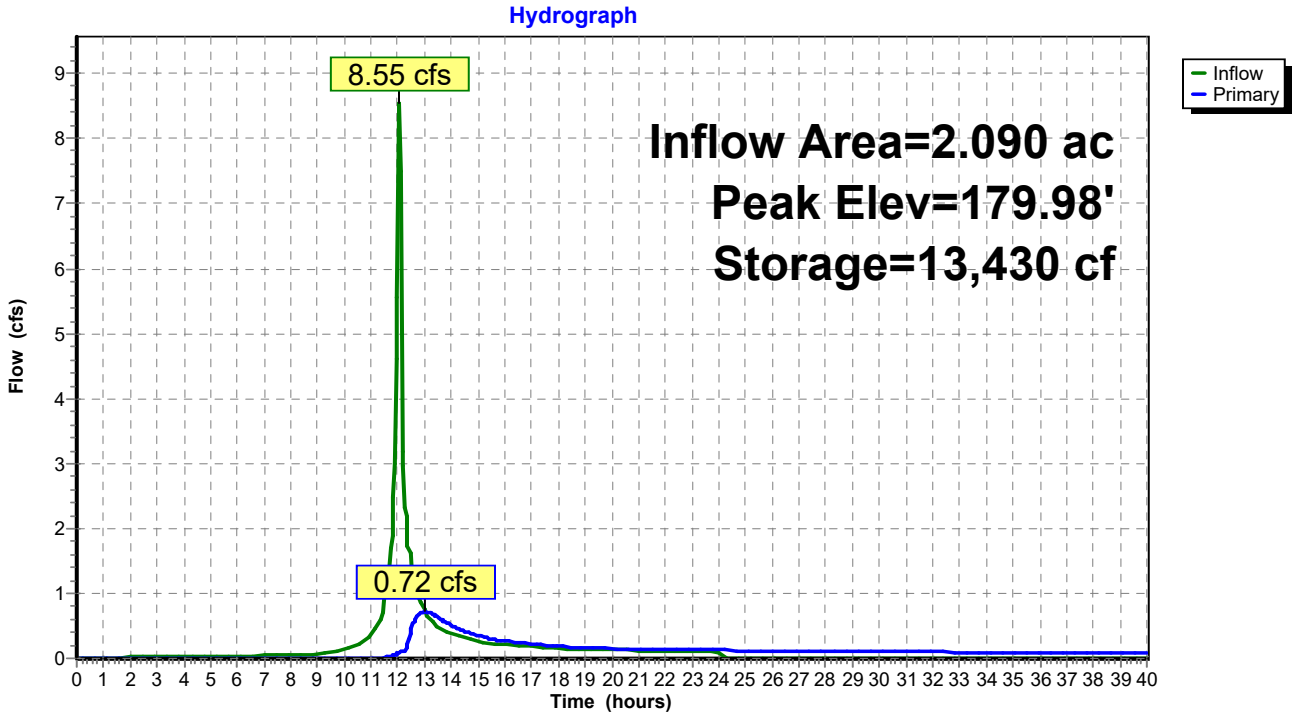
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.72 cfs @ 13.01 hrs HW=179.98' (Free Discharge)
- **1=Culvert** (Passes 0.72 cfs of 7.30 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.14 cfs @ 4.03 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.58 cfs @ 1.16 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	1	179.00	0.00
1.00	0.00	2	179.00	0.00
1.10	0.00	3	179.00	0.00
1.20	0.01	5	179.00	0.00
1.30	0.01	7	179.00	0.00
1.40	0.01	10	179.00	0.00
1.50	0.01	13	179.00	0.00
1.60	0.01	16	179.00	0.00
1.70	0.01	20	179.00	0.00
1.80	0.01	24	179.00	0.00
1.90	0.01	29	179.00	0.00
2.00	0.01	34	179.00	0.00
2.10	0.01	39	179.00	0.00
2.20	0.02	44	179.00	0.00
2.30	0.02	50	179.00	0.00
2.40	0.02	56	179.00	0.00
2.50	0.02	62	179.00	0.00
2.60	0.02	68	179.01	0.00
2.70	0.02	75	179.01	0.00
2.80	0.02	82	179.01	0.00
2.90	0.02	89	179.01	0.00
3.00	0.02	96	179.01	0.00
3.10	0.02	104	179.01	0.00
3.20	0.02	112	179.01	0.00
3.30	0.02	120	179.01	0.00
3.40	0.02	128	179.01	0.00
3.50	0.02	137	179.01	0.00
3.60	0.02	145	179.01	0.00
3.70	0.02	154	179.01	0.00
3.80	0.03	163	179.01	0.00
3.90	0.03	172	179.01	0.00
4.00	0.03	181	179.01	0.00
4.10	0.03	191	179.01	0.00
4.20	0.03	201	179.02	0.00
4.30	0.03	211	179.02	0.00
4.40	0.03	221	179.02	0.00
4.50	0.03	231	179.02	0.00
4.60	0.03	241	179.02	0.00
4.70	0.03	252	179.02	0.00
4.80	0.03	262	179.02	0.00
4.90	0.03	273	179.02	0.00
5.00	0.03	284	179.02	0.00
5.10	0.03	295	179.02	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	307	179.02	0.00
5.30	0.03	318	179.02	0.00
5.40	0.03	330	179.02	0.00
5.50	0.03	341	179.03	0.00
5.60	0.03	353	179.03	0.00
5.70	0.03	365	179.03	0.00
5.80	0.03	377	179.03	0.00
5.90	0.03	389	179.03	0.00
6.00	0.03	402	179.03	0.00
6.10	0.04	414	179.03	0.00
6.20	0.04	428	179.03	0.00
6.30	0.04	441	179.03	0.00
6.40	0.04	455	179.03	0.00
6.50	0.04	469	179.04	0.00
6.60	0.04	484	179.04	0.00
6.70	0.04	498	179.04	0.00
6.80	0.04	514	179.04	0.00
6.90	0.04	529	179.04	0.00
7.00	0.04	545	179.04	0.00
7.10	0.05	562	179.04	0.00
7.20	0.05	579	179.04	0.00
7.30	0.05	596	179.04	0.00
7.40	0.05	613	179.05	0.00
7.50	0.05	631	179.05	0.00
7.60	0.05	649	179.05	0.00
7.70	0.05	668	179.05	0.00
7.80	0.05	687	179.05	0.00
7.90	0.05	706	179.05	0.00
8.00	0.06	726	179.05	0.00
8.10	0.06	746	179.06	0.00
8.20	0.06	767	179.06	0.00
8.30	0.06	788	179.06	0.00
8.40	0.06	809	179.06	0.00
8.50	0.06	831	179.06	0.00
8.60	0.06	853	179.06	0.00
8.70	0.06	875	179.07	0.00
8.80	0.06	898	179.07	0.00
8.90	0.07	922	179.07	0.00
9.00	0.07	947	179.07	0.00
9.10	0.08	973	179.07	0.00
9.20	0.08	1,002	179.08	0.00
9.30	0.09	1,034	179.08	0.00
9.40	0.10	1,067	179.08	0.00
9.50	0.10	1,103	179.08	0.00
9.60	0.11	1,142	179.09	0.00
9.70	0.12	1,184	179.09	0.00
9.80	0.13	1,228	179.09	0.00
9.90	0.14	1,275	179.10	0.00
10.00	0.14	1,326	179.10	0.00
10.10	0.15	1,379	179.10	0.00
10.20	0.16	1,436	179.11	0.00
10.30	0.17	1,497	179.11	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.18	1,560	179.12	0.00
10.50	0.20	1,628	179.12	0.00
10.60	0.22	1,705	179.13	0.00
10.70	0.25	1,791	179.13	0.00
10.80	0.28	1,889	179.14	0.00
10.90	0.32	1,998	179.15	0.00
11.00	0.36	2,120	179.16	0.00
11.10	0.42	2,261	179.17	0.00
11.20	0.48	2,425	179.18	0.00
11.30	0.55	2,612	179.20	0.00
11.40	0.62	2,824	179.21	0.00
11.50	0.76	3,065	179.23	0.01
11.60	1.11	3,421	179.26	0.01
11.70	1.31	3,843	179.29	0.02
11.80	1.90	4,425	179.33	0.04
11.90	3.00	5,296	179.39	0.06
12.00	**5.57**	6,872	179.51	0.08
12.10	**7.50**	9,531	179.70	0.11
12.20	2.98	11,007	179.80	0.12
12.30	2.19	11,842	179.86	0.15
12.40	1.70	12,421	179.90	0.30
12.50	1.52	12,869	179.94	0.46
12.60	1.06	13,106	179.95	0.57
12.70	0.99	13,256	179.96	0.63
12.80	0.91	13,356	179.97	0.68
12.90	0.82	13,412	179.97	0.71
13.00	0.73	**13,430**	**179.98**	**0.72**
13.10	0.66	13,418	179.97	0.71
13.20	0.61	13,389	179.97	0.70
13.30	0.56	13,350	179.97	0.68
13.40	0.52	13,301	179.97	0.66
13.50	0.47	13,244	179.96	0.63
13.60	0.43	13,182	179.96	0.60
13.70	0.42	13,122	179.95	0.57
13.80	0.40	13,066	179.95	0.55
13.90	0.39	13,015	179.95	0.53
14.00	0.38	12,967	179.94	0.51
14.10	0.37	12,922	179.94	0.49
14.20	0.35	12,879	179.94	0.47
14.30	0.34	12,838	179.93	0.45
14.40	0.33	12,798	179.93	0.43
14.50	0.32	12,760	179.93	0.42
14.60	0.30	12,723	179.93	0.41
14.70	0.29	12,685	179.92	0.39
14.80	0.28	12,649	179.92	0.38
14.90	0.27	12,612	179.92	0.37
15.00	0.25	12,575	179.92	0.35
15.10	0.24	12,538	179.91	0.34
15.20	0.24	12,505	179.91	0.33
15.30	0.24	12,474	179.91	0.32
15.40	0.23	12,446	179.91	0.31
15.50	0.23	12,420	179.90	0.30

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.23	12,396	179.90	0.29
15.70	0.22	12,374	179.90	0.28
15.80	0.22	12,353	179.90	0.27
15.90	0.22	12,334	179.90	0.27
16.00	0.21	12,314	179.90	0.26
16.10	0.21	12,296	179.90	0.26
16.20	0.21	12,278	179.89	0.26
16.30	0.20	12,261	179.89	0.25
16.40	0.20	12,244	179.89	0.25
16.50	0.20	12,227	179.89	0.24
16.60	0.19	12,211	179.89	0.24
16.70	0.19	12,195	179.89	0.23
16.80	0.19	12,180	179.89	0.23
16.90	0.18	12,164	179.89	0.23
17.00	0.18	12,149	179.89	0.22
17.10	0.18	12,134	179.88	0.22
17.20	0.17	12,119	179.88	0.21
17.30	0.17	12,105	179.88	0.21
17.40	0.17	12,090	179.88	0.21
17.50	0.16	12,076	179.88	0.20
17.60	0.16	12,062	179.88	0.20
17.70	0.16	12,048	179.88	0.19
17.80	0.15	12,034	179.88	0.19
17.90	0.15	12,020	179.88	0.19
18.00	0.15	12,006	179.88	0.18
18.10	0.14	11,992	179.87	0.18
18.20	0.14	11,979	179.87	0.18
18.30	0.14	11,967	179.87	0.17
18.40	0.14	11,956	179.87	0.17
18.50	0.14	11,945	179.87	0.17
18.60	0.14	11,936	179.87	0.16
18.70	0.14	11,926	179.87	0.16
18.80	0.14	11,917	179.87	0.16
18.90	0.14	11,908	179.87	0.16
19.00	0.14	11,900	179.87	0.16
19.10	0.13	11,891	179.87	0.16
19.20	0.13	11,882	179.87	0.16
19.30	0.13	11,874	179.87	0.16
19.40	0.13	11,866	179.87	0.15
19.50	0.13	11,857	179.86	0.15
19.60	0.13	11,849	179.86	0.15
19.70	0.13	11,841	179.86	0.15
19.80	0.13	11,834	179.86	0.15
19.90	0.13	11,826	179.86	0.15
20.00	0.13	11,818	179.86	0.15
20.10	0.13	11,810	179.86	0.15
20.20	0.13	11,803	179.86	0.15
20.30	0.12	11,795	179.86	0.14
20.40	0.12	11,788	179.86	0.14
20.50	0.12	11,781	179.86	0.14
20.60	0.12	11,773	179.86	0.14
20.70	0.12	11,766	179.86	0.14

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.12	11,759	179.86	0.14
20.90	0.12	11,752	179.86	0.14
21.00	0.12	11,745	179.86	0.14
21.10	0.12	11,738	179.86	0.14
21.20	0.12	11,730	179.86	0.14
21.30	0.12	11,724	179.86	0.13
21.40	0.11	11,717	179.85	0.13
21.50	0.11	11,710	179.85	0.13
21.60	0.11	11,703	179.85	0.13
21.70	0.11	11,696	179.85	0.13
21.80	0.11	11,689	179.85	0.13
21.90	0.11	11,683	179.85	0.13
22.00	0.11	11,676	179.85	0.13
22.10	0.11	11,669	179.85	0.13
22.20	0.11	11,663	179.85	0.13
22.30	0.11	11,656	179.85	0.13
22.40	0.11	11,649	179.85	0.12
22.50	0.11	11,642	179.85	0.12
22.60	0.11	11,635	179.85	0.12
22.70	0.10	11,628	179.85	0.12
22.80	0.10	11,620	179.85	0.12
22.90	0.10	11,612	179.85	0.12
23.00	0.10	11,604	179.85	0.12
23.10	0.10	11,596	179.85	0.12
23.20	0.10	11,587	179.85	0.12
23.30	0.10	11,578	179.84	0.12
23.40	0.10	11,568	179.84	0.12
23.50	0.10	11,559	179.84	0.12
23.60	0.10	11,549	179.84	0.12
23.70	0.10	11,539	179.84	0.12
23.80	0.09	11,528	179.84	0.12
23.90	0.10	11,518	179.84	0.12
24.00	0.09	11,511	179.84	0.12
24.10	0.00	11,475	179.84	0.12
24.20	0.00	11,430	179.83	0.12
24.30	0.00	11,386	179.83	0.12
24.40	0.00	11,342	179.83	0.12
24.50	0.00	11,298	179.83	0.12
24.60	0.00	11,254	179.82	0.12
24.70	0.00	11,211	179.82	0.12
24.80	0.00	11,167	179.82	0.12
24.90	0.00	11,124	179.81	0.12
25.00	0.00	11,081	179.81	0.12
25.10	0.00	11,037	179.81	0.12
25.20	0.00	10,994	179.80	0.12
25.30	0.00	10,951	179.80	0.12
25.40	0.00	10,909	179.80	0.12
25.50	0.00	10,866	179.79	0.12
25.60	0.00	10,823	179.79	0.12
25.70	0.00	10,781	179.79	0.12
25.80	0.00	10,739	179.79	0.12
25.90	0.00	10,696	179.78	0.12

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,654	179.78	0.12
26.10	0.00	10,612	179.78	0.12
26.20	0.00	10,571	179.77	0.12
26.30	0.00	10,529	179.77	0.12
26.40	0.00	10,487	179.77	0.12
26.50	0.00	10,446	179.76	0.11
26.60	0.00	10,405	179.76	0.11
26.70	0.00	10,363	179.76	0.11
26.80	0.00	10,322	179.76	0.11
26.90	0.00	10,281	179.75	0.11
27.00	0.00	10,241	179.75	0.11
27.10	0.00	10,200	179.75	0.11
27.20	0.00	10,159	179.74	0.11
27.30	0.00	10,119	179.74	0.11
27.40	0.00	10,079	179.74	0.11
27.50	0.00	10,038	179.74	0.11
27.60	0.00	9,998	179.73	0.11
27.70	0.00	9,958	179.73	0.11
27.80	0.00	9,918	179.73	0.11
27.90	0.00	9,879	179.72	0.11
28.00	0.00	9,839	179.72	0.11
28.10	0.00	9,800	179.72	0.11
28.20	0.00	9,760	179.72	0.11
28.30	0.00	9,721	179.71	0.11
28.40	0.00	9,682	179.71	0.11
28.50	0.00	9,643	179.71	0.11
28.60	0.00	9,604	179.70	0.11
28.70	0.00	9,566	179.70	0.11
28.80	0.00	9,527	179.70	0.11
28.90	0.00	9,489	179.70	0.11
29.00	0.00	9,450	179.69	0.11
29.10	0.00	9,412	179.69	0.11
29.20	0.00	9,374	179.69	0.11
29.30	0.00	9,336	179.69	0.11
29.40	0.00	9,298	179.68	0.10
29.50	0.00	9,261	179.68	0.10
29.60	0.00	9,223	179.68	0.10
29.70	0.00	9,186	179.67	0.10
29.80	0.00	9,148	179.67	0.10
29.90	0.00	9,111	179.67	0.10
30.00	0.00	9,074	179.67	0.10
30.10	0.00	9,037	179.66	0.10
30.20	0.00	9,000	179.66	0.10
30.30	0.00	8,964	179.66	0.10
30.40	0.00	8,927	179.66	0.10
30.50	0.00	8,891	179.65	0.10
30.60	0.00	8,854	179.65	0.10
30.70	0.00	8,818	179.65	0.10
30.80	0.00	8,782	179.65	0.10
30.90	0.00	8,746	179.64	0.10
31.00	0.00	8,710	179.64	0.10
31.10	0.00	8,675	179.64	0.10

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,639	179.64	0.10
31.30	0.00	8,604	179.63	0.10
31.40	0.00	8,568	179.63	0.10
31.50	0.00	8,533	179.63	0.10
31.60	0.00	8,498	179.63	0.10
31.70	0.00	8,463	179.62	0.10
31.80	0.00	8,428	179.62	0.10
31.90	0.00	8,393	179.62	0.10
32.00	0.00	8,359	179.62	0.10
32.10	0.00	8,324	179.61	0.10
32.20	0.00	8,290	179.61	0.10
32.30	0.00	8,256	179.61	0.09
32.40	0.00	8,222	179.61	0.09
32.50	0.00	8,188	179.60	0.09
32.60	0.00	8,154	179.60	0.09
32.70	0.00	8,121	179.60	0.09
32.80	0.00	8,087	179.60	0.09
32.90	0.00	8,054	179.59	0.09
33.00	0.00	8,020	179.59	0.09
33.10	0.00	7,987	179.59	0.09
33.20	0.00	7,954	179.59	0.09
33.30	0.00	7,921	179.58	0.09
33.40	0.00	7,888	179.58	0.09
33.50	0.00	7,856	179.58	0.09
33.60	0.00	7,823	179.58	0.09
33.70	0.00	7,791	179.57	0.09
33.80	0.00	7,758	179.57	0.09
33.90	0.00	7,726	179.57	0.09
34.00	0.00	7,694	179.57	0.09
34.10	0.00	7,662	179.56	0.09
34.20	0.00	7,630	179.56	0.09
34.30	0.00	7,599	179.56	0.09
34.40	0.00	7,567	179.56	0.09
34.50	0.00	7,536	179.56	0.09
34.60	0.00	7,504	179.55	0.09
34.70	0.00	7,473	179.55	0.09
34.80	0.00	7,442	179.55	0.09
34.90	0.00	7,411	179.55	0.09
35.00	0.00	7,381	179.54	0.09
35.10	0.00	7,350	179.54	0.08
35.20	0.00	7,319	179.54	0.08
35.30	0.00	7,289	179.54	0.08
35.40	0.00	7,259	179.54	0.08
35.50	0.00	7,229	179.53	0.08
35.60	0.00	7,199	179.53	0.08
35.70	0.00	7,169	179.53	0.08
35.80	0.00	7,139	179.53	0.08
35.90	0.00	7,109	179.52	0.08
36.00	0.00	7,080	179.52	0.08
36.10	0.00	7,050	179.52	0.08
36.20	0.00	7,021	179.52	0.08
36.30	0.00	6,992	179.52	0.08

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,963	179.51	0.08
36.50	0.00	6,934	179.51	0.08
36.60	0.00	6,905	179.51	0.08
36.70	0.00	6,877	179.51	0.08
36.80	0.00	6,848	179.51	0.08
36.90	0.00	6,820	179.50	0.08
37.00	0.00	6,792	179.50	0.08
37.10	0.00	6,763	179.50	0.08
37.20	0.00	6,735	179.50	0.08
37.30	0.00	6,708	179.50	0.08
37.40	0.00	6,680	179.49	0.08
37.50	0.00	6,652	179.49	0.08
37.60	0.00	6,625	179.49	0.08
37.70	0.00	6,597	179.49	0.08
37.80	0.00	6,570	179.49	0.08
37.90	0.00	6,543	179.48	0.08
38.00	0.00	6,516	179.48	0.07
38.10	0.00	6,489	179.48	0.07
38.20	0.00	6,462	179.48	0.07
38.30	0.00	6,436	179.48	0.07
38.40	0.00	6,409	179.47	0.07
38.50	0.00	6,383	179.47	0.07
38.60	0.00	6,357	179.47	0.07
38.70	0.00	6,331	179.47	0.07
38.80	0.00	6,305	179.47	0.07
38.90	0.00	6,279	179.46	0.07
39.00	0.00	6,253	179.46	0.07
39.10	0.00	6,228	179.46	0.07
39.20	0.00	6,202	179.46	0.07
39.30	0.00	6,177	179.46	0.07
39.40	0.00	6,152	179.46	0.07
39.50	0.00	6,127	179.45	0.07
39.60	0.00	6,102	179.45	0.07
39.70	0.00	6,077	179.45	0.07
39.80	0.00	6,052	179.45	0.07
39.90	0.00	6,027	179.45	0.07
40.00	0.00	6,003	179.44	0.07

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	26.70	181.60	107.42
181.09	27.71	181.61	109.30
181.10	28.75	181.62	111.19
181.11	29.81	181.63	113.09
181.12	30.89	181.64	115.04
181.13	32.00	181.65	117.01
181.14	33.13	181.66	118.98
181.15	34.29	181.67	120.98
181.16	35.47	181.68	122.98
181.17	36.68	181.69	125.00
181.18	37.91	181.70	127.03
181.19	39.16	181.71	129.07
181.20	40.44	181.72	131.13
181.21	41.74	181.73	133.19
181.22	43.07	181.74	135.28
181.23	44.42	181.75	137.37
181.24	45.82	181.76	139.48
181.25	47.25	181.77	141.60
181.26	48.70	181.78	143.73
181.27	50.18	181.79	145.87
181.28	51.68	181.80	148.03
181.29	53.22	181.81	150.20
181.30	54.77	181.82	152.38
181.31	56.36	181.83	154.58
181.32	57.97	181.84	156.73
181.33	59.60	181.85	158.90
181.34	61.27	181.86	161.07
181.35	62.95	181.87	163.26
181.36	64.67	181.88	165.46
181.37	66.41	181.89	167.66
181.38	68.18	181.90	169.88
181.39	69.98	181.91	172.11
181.40	71.80	181.92	174.35
181.41	73.65	181.93	176.60
181.42	75.52	181.94	178.86
181.43	77.42	181.95	181.13
181.44	79.09	181.96	183.41
181.45	80.76	181.97	185.70
181.46	82.45	181.98	188.00
181.47	84.15	181.99	190.31
181.48	85.86	182.00	**192.63**
181.49	87.59		
181.50	89.33		
181.51	91.08		
181.52	92.84		
181.53	94.62		
181.54	96.41		
181.55	98.22		
181.56	100.03		
181.57	101.86		
181.58	103.70		
181.59	105.56		

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350	180.56	14,845	21,932
180.05	14,325	14,493	180.57	14,855	22,080
180.06	14,335	14,637	180.58	14,865	22,229
180.07	14,345	14,780	180.59	14,875	22,378
180.08	14,356	14,924	180.60	14,885	22,526
180.09	14,366	15,067	180.61	14,896	22,675
180.10	14,376	15,211	180.62	14,906	22,824
180.11	14,386	15,355	180.63	14,916	22,973
180.12	14,396	15,499	180.64	14,926	23,123
180.13	14,406	15,643	180.65	14,936	23,272
180.14	14,417	15,787	180.66	14,947	23,421
180.15	14,427	15,931	180.67	14,957	23,571
180.16	14,437	16,075	180.68	14,967	23,720
180.17	14,447	16,220	180.69	14,977	23,870
180.18	14,457	16,364	180.70	14,987	24,020
180.19	14,468	16,509	180.71	14,997	24,170
180.20	14,478	16,654	180.72	15,008	24,320
180.21	14,488	16,799	180.73	15,018	24,470
180.22	14,498	16,943	180.74	15,028	24,620
180.23	14,508	17,088	180.75	15,038	24,771
180.24	14,519	17,234	180.76	15,048	24,921
180.25	14,529	17,379	180.77	15,059	25,072
180.26	14,539	17,524	180.78	15,069	25,222
180.27	14,549	17,670	180.79	15,079	25,373
180.28	14,559	17,815	180.80	15,089	25,524
180.29	14,570	17,961	180.81	15,099	25,675
180.30	14,580	18,107	180.82	15,110	25,826
180.31	14,590	18,252	180.83	15,120	25,977
180.32	14,600	18,398	180.84	15,130	26,128
180.33	14,610	18,544	180.85	15,140	26,280
180.34	14,620	18,691	180.86	15,150	26,431
180.35	14,631	18,837	180.87	15,161	26,583
180.36	14,641	18,983	180.88	15,171	26,734
180.37	14,651	19,130	180.89	15,181	26,886
180.38	14,661	19,276	180.90	15,191	27,038
180.39	14,671	19,423	180.91	15,201	27,190
180.40	14,682	19,570	180.92	15,211	27,342
180.41	14,692	19,716	180.93	15,222	27,494
180.42	14,702	19,863	180.94	15,232	27,646
180.43	14,712	20,011	180.95	15,242	27,799
180.44	14,722	20,158	180.96	15,252	27,951
180.45	14,733	20,305	180.97	15,262	28,104
180.46	14,743	20,452	180.98	15,273	28,256
180.47	14,753	20,600	180.99	15,283	28,409
180.48	14,763	20,747	181.00	15,293	28,562
180.49	14,773	20,895	181.01	15,303	28,715
180.50	14,784	21,043	181.02	15,314	28,868
180.51	14,794	21,191	181.03	15,324	29,021
180.52	14,804	21,339	181.04	15,335	29,175
180.53	14,814	21,487	181.05	15,345	29,328
180.54	14,824	21,635	181.06	15,356	29,481
180.55	14,834	21,783	181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 3.69" for Current 10 yr event
Inflow = 7.23 cfs @ 12.08 hrs, Volume= 0.462 af
Outflow = 0.16 cfs @ 16.37 hrs, Volume= 0.301 af, Atten= 98%, Lag= 257.7 min
Primary = 0.16 cfs @ 16.37 hrs, Volume= 0.301 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.31' @ 16.37 hrs Surf.Area= 12,017 sf Storage= 14,937 cf

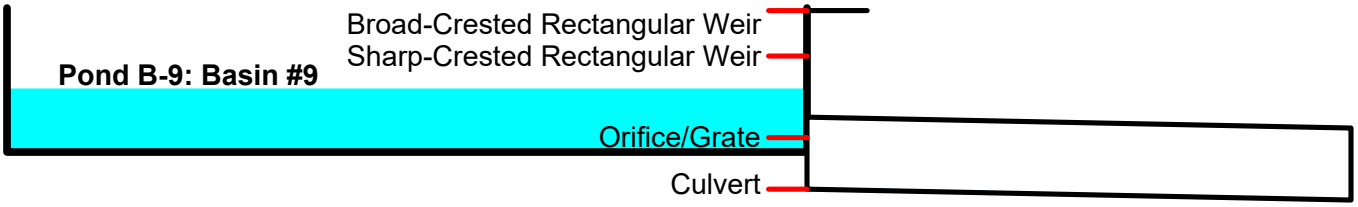
Plug-Flow detention time= 806.4 min calculated for 0.301 af (65% of inflow)
Center-of-Mass det. time= 699.1 min (1,472.3 - 773.1)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

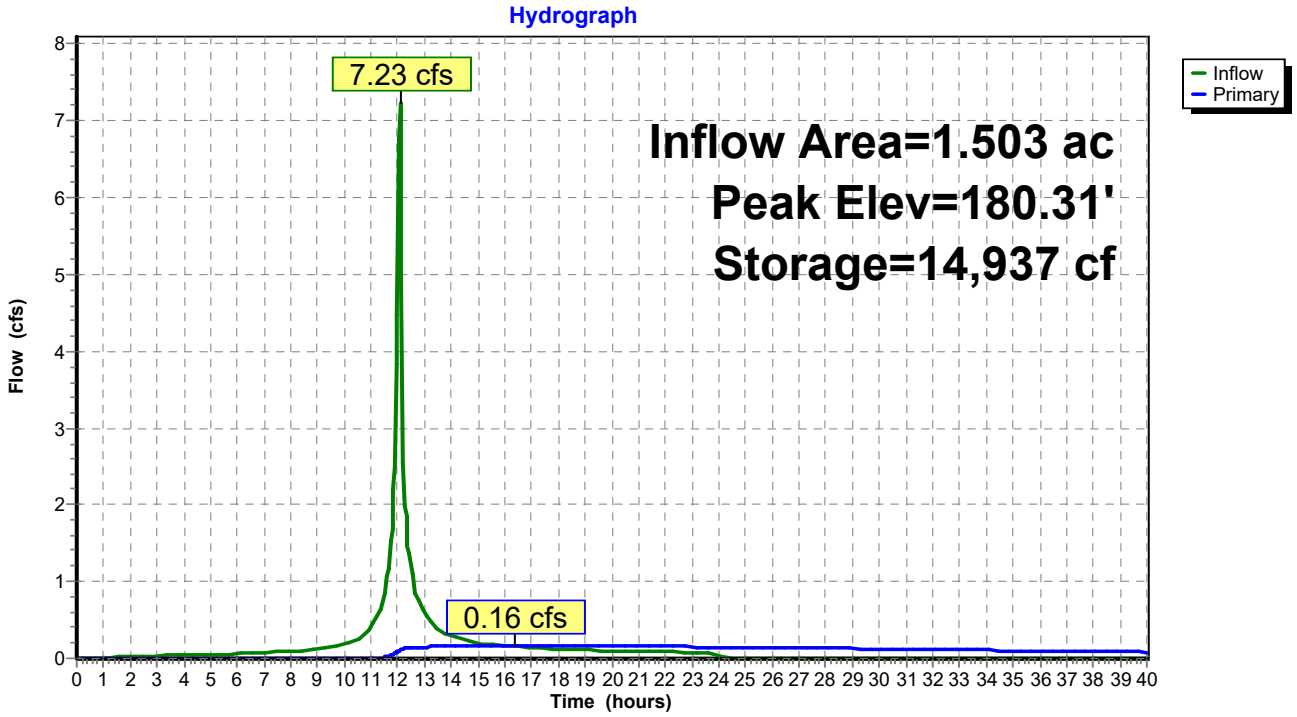
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.16 cfs @ 16.37 hrs HW=180.31' (Free Discharge)
- **1=Culvert** (Passes 0.16 cfs of 8.40 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.16 cfs @ 4.59 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	1	179.00	0.00
1.00	0.01	2	179.00	0.00
1.10	0.01	4	179.00	0.00
1.20	0.01	7	179.00	0.00
1.30	0.01	11	179.00	0.00
1.40	0.01	15	179.00	0.00
1.50	0.01	20	179.00	0.00
1.60	0.02	26	179.00	0.00
1.70	0.02	32	179.00	0.00
1.80	0.02	39	179.00	0.00
1.90	0.02	46	179.00	0.00
2.00	0.02	54	179.00	0.00
2.10	0.02	62	179.01	0.00
2.20	0.02	71	179.01	0.00
2.30	0.03	80	179.01	0.00
2.40	0.03	89	179.01	0.00
2.50	0.03	99	179.01	0.00
2.60	0.03	110	179.01	0.00
2.70	0.03	121	179.01	0.00
2.80	0.03	132	179.01	0.00
2.90	0.03	144	179.01	0.00
3.00	0.03	156	179.01	0.00
3.10	0.03	168	179.02	0.00
3.20	0.04	181	179.02	0.00
3.30	0.04	194	179.02	0.00
3.40	0.04	207	179.02	0.00
3.50	0.04	221	179.02	0.00
3.60	0.04	235	179.02	0.00
3.70	0.04	250	179.02	0.00
3.80	0.04	264	179.02	0.00
3.90	0.04	279	179.03	0.00
4.00	0.04	295	179.03	0.00
4.10	0.04	310	179.03	0.00
4.20	0.04	326	179.03	0.00
4.30	0.05	342	179.03	0.00
4.40	0.05	359	179.03	0.00
4.50	0.05	375	179.03	0.00
4.60	0.05	392	179.04	0.00
4.70	0.05	410	179.04	0.00
4.80	0.05	427	179.04	0.00
4.90	0.05	445	179.04	0.00
5.00	0.05	463	179.04	0.00
5.10	0.05	481	179.04	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	499	179.05	0.00
5.30	0.05	518	179.05	0.00
5.40	0.05	537	179.05	0.00
5.50	0.05	556	179.05	0.00
5.60	0.05	576	179.05	0.00
5.70	0.05	595	179.06	0.00
5.80	0.06	615	179.06	0.00
5.90	0.06	635	179.06	0.00
6.00	0.06	655	179.06	0.00
6.10	0.06	676	179.06	0.00
6.20	0.06	697	179.06	0.00
6.30	0.06	719	179.07	0.00
6.40	0.06	742	179.07	0.00
6.50	0.06	765	179.07	0.00
6.60	0.07	789	179.07	0.00
6.70	0.07	813	179.08	0.00
6.80	0.07	838	179.08	0.00
6.90	0.07	863	179.08	0.00
7.00	0.07	890	179.08	0.00
7.10	0.08	916	179.09	0.00
7.20	0.08	944	179.09	0.00
7.30	0.08	972	179.09	0.00
7.40	0.08	1,000	179.09	0.00
7.50	0.08	1,030	179.10	0.00
7.60	0.08	1,059	179.10	0.00
7.70	0.09	1,090	179.10	0.00
7.80	0.09	1,121	179.10	0.00
7.90	0.09	1,153	179.11	0.00
8.00	0.09	1,185	179.11	0.00
8.10	0.09	1,218	179.11	0.00
8.20	0.09	1,252	179.12	0.00
8.30	0.10	1,286	179.12	0.00
8.40	0.10	1,320	179.12	0.00
8.50	0.10	1,356	179.13	0.00
8.60	0.10	1,392	179.13	0.00
8.70	0.10	1,429	179.13	0.00
8.80	0.10	1,466	179.14	0.00
8.90	0.11	1,504	179.14	0.00
9.00	0.11	1,543	179.14	0.00
9.10	0.12	1,584	179.15	0.00
9.20	0.12	1,628	179.15	0.00
9.30	0.13	1,674	179.16	0.00
9.40	0.14	1,723	179.16	0.00
9.50	0.15	1,774	179.16	0.00
9.60	0.15	1,828	179.17	0.00
9.70	0.16	1,885	179.17	0.00
9.80	0.17	1,945	179.18	0.00
9.90	0.18	2,008	179.19	0.00
10.00	0.19	2,074	179.19	0.00
10.10	0.19	2,142	179.20	0.00
10.20	0.20	2,214	179.20	0.00
10.30	0.21	2,289	179.21	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.22	2,367	179.22	0.00
10.50	0.23	2,449	179.23	0.00
10.60	0.26	2,539	179.23	0.00
10.70	0.29	2,639	179.24	0.00
10.80	0.32	2,750	179.25	0.00
10.90	0.35	2,872	179.26	0.00
11.00	0.39	3,005	179.28	0.00
11.10	0.44	3,157	179.29	0.00
11.20	0.50	3,330	179.31	0.00
11.30	0.57	3,524	179.32	0.00
11.40	0.63	3,740	179.34	0.00
11.50	0.71	3,978	179.37	0.01
11.60	1.08	4,314	179.40	0.02
11.70	1.19	4,714	179.43	0.03
11.80	1.68	5,236	179.48	0.04
11.90	2.49	5,986	179.54	0.06
12.00	4.47	7,276	179.66	0.08
12.10	**6.81**	9,473	179.85	0.11
12.20	2.54	10,856	179.97	0.12
12.30	1.84	11,561	180.03	0.13
12.40	1.38	12,065	180.07	0.13
12.50	1.27	12,495	180.11	0.14
12.60	0.86	12,803	180.14	0.14
12.70	0.80	13,047	180.16	0.14
12.80	0.73	13,268	180.17	0.14
12.90	0.66	13,464	180.19	0.15
13.00	0.59	13,633	180.21	0.15
13.10	0.52	13,778	180.22	0.15
13.20	0.49	13,904	180.23	0.15
13.30	0.45	14,017	180.24	0.15
13.40	0.41	14,117	180.25	0.15
13.50	0.37	14,202	180.25	0.15
13.60	0.34	14,273	180.26	0.15
13.70	0.33	14,338	180.26	0.15
13.80	0.32	14,399	180.27	0.15
13.90	0.31	14,457	180.27	0.15
14.00	0.30	14,511	180.28	0.15
14.10	0.29	14,561	180.28	0.15
14.20	0.28	14,608	180.29	0.15
14.30	0.27	14,650	180.29	0.15
14.40	0.26	14,689	180.29	0.15
14.50	0.25	14,725	180.30	0.16
14.60	0.24	14,757	180.30	0.16
14.70	0.23	14,785	180.30	0.16
14.80	0.22	14,809	180.30	0.16
14.90	0.21	14,830	180.31	0.16
15.00	0.20	14,847	180.31	0.16
15.10	0.19	14,860	180.31	0.16
15.20	0.19	14,872	180.31	0.16
15.30	0.18	14,883	180.31	0.16
15.40	0.18	14,892	180.31	0.16
15.50	0.18	14,901	180.31	0.16

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	14,909	180.31	0.16
15.70	0.17	14,916	180.31	0.16
15.80	0.17	14,922	180.31	0.16
15.90	0.17	14,927	180.31	0.16
16.00	0.17	14,931	180.31	0.16
16.10	0.16	14,934	180.31	0.16
16.20	0.16	14,936	180.31	0.16
16.30	0.16	**14,937**	**180.31**	**0.16**
16.40	0.16	**14,937**	**180.31**	**0.16**
16.50	0.15	14,936	180.31	0.16
16.60	0.15	14,934	180.31	0.16
16.70	0.15	14,932	180.31	0.16
16.80	0.14	14,928	180.31	0.16
16.90	0.14	14,923	180.31	0.16
17.00	0.14	14,918	180.31	0.16
17.10	0.14	14,911	180.31	0.16
17.20	0.13	14,904	180.31	0.16
17.30	0.13	14,895	180.31	0.16
17.40	0.13	14,886	180.31	0.16
17.50	0.13	14,876	180.31	0.16
17.60	0.12	14,865	180.31	0.16
17.70	0.12	14,852	180.31	0.16
17.80	0.12	14,839	180.31	0.16
17.90	0.12	14,825	180.30	0.16
18.00	0.11	14,810	180.30	0.16
18.10	0.11	14,794	180.30	0.16
18.20	0.11	14,778	180.30	0.16
18.30	0.11	14,762	180.30	0.16
18.40	0.11	14,745	180.30	0.16
18.50	0.11	14,728	180.30	0.16
18.60	0.11	14,711	180.30	0.15
18.70	0.11	14,694	180.29	0.15
18.80	0.11	14,676	180.29	0.15
18.90	0.11	14,658	180.29	0.15
19.00	0.10	14,641	180.29	0.15
19.10	0.10	14,623	180.29	0.15
19.20	0.10	14,604	180.29	0.15
19.30	0.10	14,586	180.29	0.15
19.40	0.10	14,567	180.28	0.15
19.50	0.10	14,548	180.28	0.15
19.60	0.10	14,529	180.28	0.15
19.70	0.10	14,510	180.28	0.15
19.80	0.10	14,491	180.28	0.15
19.90	0.10	14,471	180.28	0.15
20.00	0.10	14,452	180.27	0.15
20.10	0.10	14,432	180.27	0.15
20.20	0.10	14,412	180.27	0.15
20.30	0.10	14,391	180.27	0.15
20.40	0.10	14,371	180.27	0.15
20.50	0.09	14,350	180.27	0.15
20.60	0.09	14,329	180.26	0.15
20.70	0.09	14,308	180.26	0.15

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	14,287	180.26	0.15
20.90	0.09	14,266	180.26	0.15
21.00	0.09	14,244	180.26	0.15
21.10	0.09	14,222	180.25	0.15
21.20	0.09	14,200	180.25	0.15
21.30	0.09	14,178	180.25	0.15
21.40	0.09	14,156	180.25	0.15
21.50	0.09	14,133	180.25	0.15
21.60	0.09	14,111	180.25	0.15
21.70	0.09	14,088	180.24	0.15
21.80	0.09	14,065	180.24	0.15
21.90	0.09	14,041	180.24	0.15
22.00	0.08	14,018	180.24	0.15
22.10	0.08	13,994	180.24	0.15
22.20	0.08	13,971	180.23	0.15
22.30	0.08	13,947	180.23	0.15
22.40	0.08	13,923	180.23	0.15
22.50	0.08	13,898	180.23	0.15
22.60	0.08	13,874	180.23	0.15
22.70	0.08	13,849	180.22	0.15
22.80	0.08	13,824	180.22	0.15
22.90	0.08	13,799	180.22	0.15
23.00	0.08	13,774	180.22	0.15
23.10	0.08	13,749	180.21	0.15
23.20	0.08	13,723	180.21	0.15
23.30	0.08	13,697	180.21	0.15
23.40	0.08	13,672	180.21	0.15
23.50	0.07	13,646	180.21	0.15
23.60	0.07	13,619	180.20	0.15
23.70	0.07	13,593	180.20	0.15
23.80	0.07	13,566	180.20	0.15
23.90	0.07	13,540	180.20	0.15
24.00	0.08	13,516	180.20	0.15
24.10	0.00	13,473	180.19	0.15
24.20	0.00	13,421	180.19	0.15
24.30	0.00	13,369	180.18	0.14
24.40	0.00	13,316	180.18	0.14
24.50	0.00	13,265	180.17	0.14
24.60	0.00	13,213	180.17	0.14
24.70	0.00	13,161	180.17	0.14
24.80	0.00	13,110	180.16	0.14
24.90	0.00	13,058	180.16	0.14
25.00	0.00	13,007	180.15	0.14
25.10	0.00	12,956	180.15	0.14
25.20	0.00	12,905	180.14	0.14
25.30	0.00	12,854	180.14	0.14
25.40	0.00	12,804	180.14	0.14
25.50	0.00	12,753	180.13	0.14
25.60	0.00	12,703	180.13	0.14
25.70	0.00	12,653	180.12	0.14
25.80	0.00	12,603	180.12	0.14
25.90	0.00	12,553	180.11	0.14

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,503	180.11	0.14
26.10	0.00	12,454	180.11	0.14
26.20	0.00	12,404	180.10	0.14
26.30	0.00	12,355	180.10	0.14
26.40	0.00	12,306	180.09	0.14
26.50	0.00	12,257	180.09	0.14
26.60	0.00	12,208	180.08	0.14
26.70	0.00	12,159	180.08	0.14
26.80	0.00	12,111	180.08	0.13
26.90	0.00	12,063	180.07	0.13
27.00	0.00	12,014	180.07	0.13
27.10	0.00	11,966	180.06	0.13
27.20	0.00	11,918	180.06	0.13
27.30	0.00	11,870	180.06	0.13
27.40	0.00	11,823	180.05	0.13
27.50	0.00	11,775	180.05	0.13
27.60	0.00	11,728	180.04	0.13
27.70	0.00	11,681	180.04	0.13
27.80	0.00	11,634	180.04	0.13
27.90	0.00	11,587	180.03	0.13
28.00	0.00	11,540	180.03	0.13
28.10	0.00	11,494	180.02	0.13
28.20	0.00	11,447	180.02	0.13
28.30	0.00	11,401	180.02	0.13
28.40	0.00	11,355	180.01	0.13
28.50	0.00	11,309	180.01	0.13
28.60	0.00	11,263	180.00	0.13
28.70	0.00	11,217	180.00	0.13
28.80	0.00	11,171	180.00	0.13
28.90	0.00	11,126	179.99	0.13
29.00	0.00	11,081	179.99	0.13
29.10	0.00	11,036	179.99	0.13
29.20	0.00	10,991	179.98	0.12
29.30	0.00	10,946	179.98	0.12
29.40	0.00	10,901	179.97	0.12
29.50	0.00	10,857	179.97	0.12
29.60	0.00	10,812	179.97	0.12
29.70	0.00	10,768	179.96	0.12
29.80	0.00	10,724	179.96	0.12
29.90	0.00	10,680	179.95	0.12
30.00	0.00	10,636	179.95	0.12
30.10	0.00	10,593	179.95	0.12
30.20	0.00	10,549	179.94	0.12
30.30	0.00	10,506	179.94	0.12
30.40	0.00	10,463	179.94	0.12
30.50	0.00	10,420	179.93	0.12
30.60	0.00	10,377	179.93	0.12
30.70	0.00	10,334	179.92	0.12
30.80	0.00	10,292	179.92	0.12
30.90	0.00	10,249	179.92	0.12
31.00	0.00	10,207	179.91	0.12
31.10	0.00	10,165	179.91	0.12

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,123	179.91	0.12
31.30	0.00	10,081	179.90	0.12
31.40	0.00	10,040	179.90	0.12
31.50	0.00	9,998	179.90	0.12
31.60	0.00	9,957	179.89	0.11
31.70	0.00	9,915	179.89	0.11
31.80	0.00	9,874	179.89	0.11
31.90	0.00	9,834	179.88	0.11
32.00	0.00	9,793	179.88	0.11
32.10	0.00	9,752	179.87	0.11
32.20	0.00	9,712	179.87	0.11
32.30	0.00	9,671	179.87	0.11
32.40	0.00	9,631	179.86	0.11
32.50	0.00	9,591	179.86	0.11
32.60	0.00	9,551	179.86	0.11
32.70	0.00	9,512	179.85	0.11
32.80	0.00	9,472	179.85	0.11
32.90	0.00	9,433	179.85	0.11
33.00	0.00	9,393	179.84	0.11
33.10	0.00	9,354	179.84	0.11
33.20	0.00	9,315	179.84	0.11
33.30	0.00	9,277	179.83	0.11
33.40	0.00	9,238	179.83	0.11
33.50	0.00	9,200	179.83	0.11
33.60	0.00	9,161	179.82	0.11
33.70	0.00	9,123	179.82	0.11
33.80	0.00	9,085	179.82	0.11
33.90	0.00	9,047	179.81	0.11
34.00	0.00	9,009	179.81	0.10
34.10	0.00	8,972	179.81	0.10
34.20	0.00	8,934	179.80	0.10
34.30	0.00	8,897	179.80	0.10
34.40	0.00	8,860	179.80	0.10
34.50	0.00	8,823	179.79	0.10
34.60	0.00	8,786	179.79	0.10
34.70	0.00	8,749	179.79	0.10
34.80	0.00	8,713	179.78	0.10
34.90	0.00	8,677	179.78	0.10
35.00	0.00	8,640	179.78	0.10
35.10	0.00	8,604	179.78	0.10
35.20	0.00	8,568	179.77	0.10
35.30	0.00	8,533	179.77	0.10
35.40	0.00	8,497	179.77	0.10
35.50	0.00	8,462	179.76	0.10
35.60	0.00	8,426	179.76	0.10
35.70	0.00	8,391	179.76	0.10
35.80	0.00	8,356	179.75	0.10
35.90	0.00	8,321	179.75	0.10
36.00	0.00	8,287	179.75	0.10
36.10	0.00	8,252	179.74	0.10
36.20	0.00	8,218	179.74	0.10
36.30	0.00	8,183	179.74	0.09

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,149	179.74	0.09
36.50	0.00	8,115	179.73	0.09
36.60	0.00	8,082	179.73	0.09
36.70	0.00	8,048	179.73	0.09
36.80	0.00	8,015	179.72	0.09
36.90	0.00	7,981	179.72	0.09
37.00	0.00	7,948	179.72	0.09
37.10	0.00	7,915	179.71	0.09
37.20	0.00	7,882	179.71	0.09
37.30	0.00	7,849	179.71	0.09
37.40	0.00	7,817	179.71	0.09
37.50	0.00	7,785	179.70	0.09
37.60	0.00	7,752	179.70	0.09
37.70	0.00	7,720	179.70	0.09
37.80	0.00	7,688	179.70	0.09
37.90	0.00	7,656	179.69	0.09
38.00	0.00	7,625	179.69	0.09
38.10	0.00	7,593	179.69	0.09
38.20	0.00	7,562	179.68	0.09
38.30	0.00	7,531	179.68	0.09
38.40	0.00	7,500	179.68	0.09
38.50	0.00	7,469	179.68	0.09
38.60	0.00	7,438	179.67	0.09
38.70	0.00	7,408	179.67	0.08
38.80	0.00	7,377	179.67	0.08
38.90	0.00	7,347	179.67	0.08
39.00	0.00	7,317	179.66	0.08
39.10	0.00	7,287	179.66	0.08
39.20	0.00	7,257	179.66	0.08
39.30	0.00	7,228	179.65	0.08
39.40	0.00	7,198	179.65	0.08
39.50	0.00	7,169	179.65	0.08
39.60	0.00	7,140	179.65	0.08
39.70	0.00	7,111	179.64	0.08
39.80	0.00	7,082	179.64	0.08
39.90	0.00	7,053	179.64	0.08
40.00	0.00	7,024	179.64	0.08

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679	180.56	12,264	17,920
180.05	11,750	11,796	180.57	12,275	18,043
180.06	11,760	11,914	180.58	12,285	18,166
180.07	11,771	12,031	180.59	12,295	18,288
180.08	11,781	12,149	180.60	12,305	18,411
180.09	11,791	12,267	180.61	12,315	18,535
180.10	11,801	12,385	180.62	12,325	18,658
180.11	11,811	12,503	180.63	12,335	18,781
180.12	11,821	12,621	180.64	12,345	18,904
180.13	11,831	12,740	180.65	12,355	19,028
180.14	11,841	12,858	180.66	12,365	19,152
180.15	11,851	12,976	180.67	12,375	19,275
180.16	11,861	13,095	180.68	12,385	19,399
180.17	11,871	13,214	180.69	12,396	19,523
180.18	11,881	13,332	180.70	12,406	19,647
180.19	11,892	13,451	180.71	12,416	19,771
180.20	11,902	13,570	180.72	12,426	19,895
180.21	11,912	13,689	180.73	12,436	20,020
180.22	11,922	13,808	180.74	12,446	20,144
180.23	11,932	13,928	180.75	12,456	20,269
180.24	11,942	14,047	180.76	12,466	20,393
180.25	11,952	14,167	180.77	12,476	20,518
180.26	11,962	14,286	180.78	12,486	20,643
180.27	11,972	14,406	180.79	12,496	20,768
180.28	11,982	14,526	180.80	12,506	20,893
180.29	11,992	14,645	180.81	12,516	21,018
180.30	12,002	14,765	180.82	12,527	21,143
180.31	12,012	14,885	180.83	12,537	21,268
180.32	12,023	15,006	180.84	12,547	21,394
180.33	12,033	15,126	180.85	12,557	21,519
180.34	12,043	15,246	180.86	12,567	21,645
180.35	12,053	15,367	180.87	12,577	21,770
180.36	12,063	15,487	180.88	12,587	21,896
180.37	12,073	15,608	180.89	12,597	22,022
180.38	12,083	15,729	180.90	12,607	22,148
180.39	12,093	15,850	180.91	12,617	22,274
180.40	12,103	15,971	180.92	12,627	22,401
180.41	12,113	16,092	180.93	12,637	22,527
180.42	12,123	16,213	180.94	12,648	22,653
180.43	12,133	16,334	180.95	12,658	22,780
180.44	12,144	16,456	180.96	12,668	22,906
180.45	12,154	16,577	180.97	12,678	23,033
180.46	12,164	16,699	180.98	12,688	23,160
180.47	12,174	16,820	180.99	12,698	23,287
180.48	12,184	16,942	181.00	12,708	23,414
180.49	12,194	17,064	181.01	12,718	23,541
180.50	12,204	17,186	181.02	12,729	23,668
180.51	12,214	17,308	181.03	12,739	23,796
180.52	12,224	17,430	181.04	12,749	23,923
180.53	12,234	17,553	181.05	12,760	24,051
180.54	12,244	17,675	181.06	12,770	24,178
180.55	12,254	17,797	181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

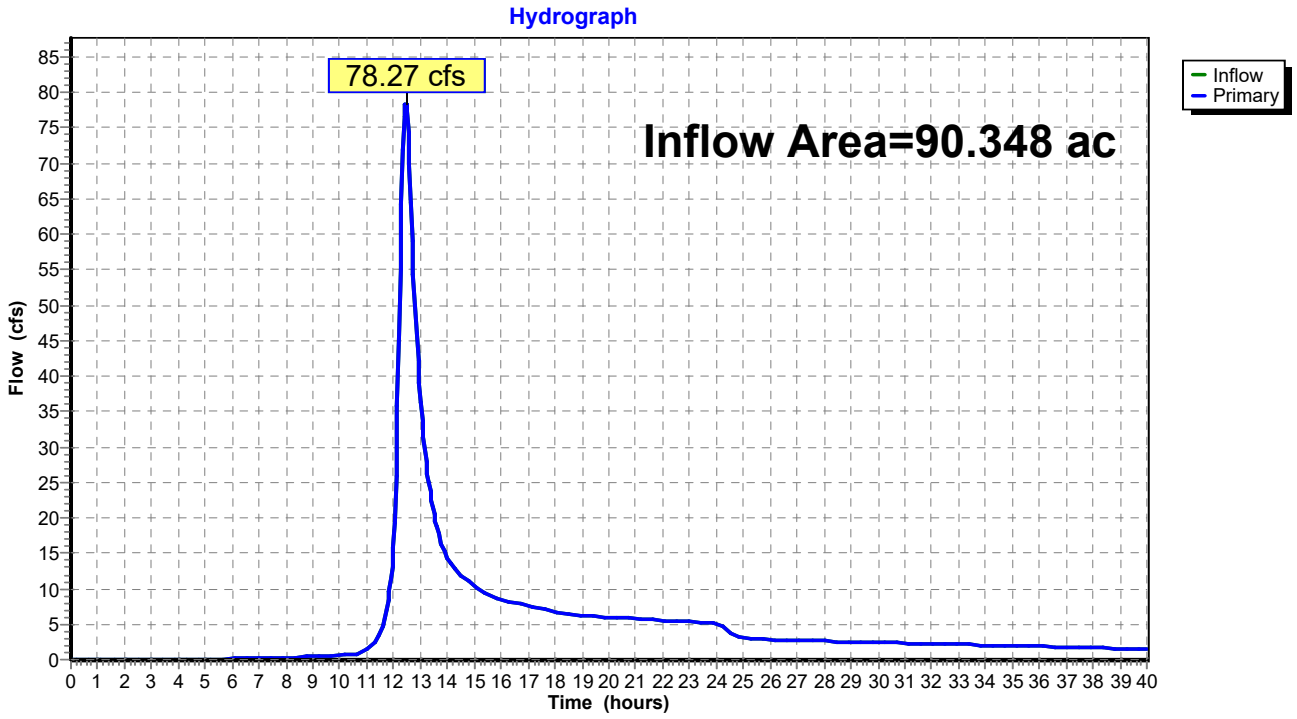
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth > 2.10" for Current 10 yr event
Inflow = 78.27 cfs @ 12.46 hrs, Volume= 15.834 af
Primary = 78.27 cfs @ 12.46 hrs, Volume= 15.834 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.01	0.00	0.01
0.90	0.00	0.00	0.00	3.50	0.01	0.00	0.01
0.95	0.00	0.00	0.00	3.55	0.01	0.00	0.01
1.00	0.00	0.00	0.00	3.60	0.01	0.00	0.01
1.05	0.00	0.00	0.00	3.65	0.01	0.00	0.01
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.04	0.00	0.04
1.60	0.00	0.00	0.00	4.20	0.04	0.00	0.04
1.65	0.00	0.00	0.00	4.25	0.04	0.00	0.04
1.70	0.00	0.00	0.00	4.30	0.04	0.00	0.04
1.75	0.00	0.00	0.00	4.35	0.05	0.00	0.05
1.80	0.00	0.00	0.00	4.40	0.05	0.00	0.05
1.85	0.00	0.00	0.00	4.45	0.05	0.00	0.05
1.90	0.00	0.00	0.00	4.50	0.05	0.00	0.05
1.95	0.00	0.00	0.00	4.55	0.06	0.00	0.06
2.00	0.00	0.00	0.00	4.60	0.06	0.00	0.06
2.05	0.00	0.00	0.00	4.65	0.06	0.00	0.06
2.10	0.00	0.00	0.00	4.70	0.06	0.00	0.06
2.15	0.00	0.00	0.00	4.75	0.07	0.00	0.07
2.20	0.00	0.00	0.00	4.80	0.07	0.00	0.07
2.25	0.00	0.00	0.00	4.85	0.07	0.00	0.07
2.30	0.00	0.00	0.00	4.90	0.07	0.00	0.07
2.35	0.00	0.00	0.00	4.95	0.08	0.00	0.08
2.40	0.00	0.00	0.00	5.00	0.08	0.00	0.08
2.45	0.00	0.00	0.00	5.05	0.08	0.00	0.08
2.50	0.00	0.00	0.00	5.10	0.08	0.00	0.08
2.55	0.00	0.00	0.00	5.15	0.09	0.00	0.09

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.27	0.00	0.27
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.28	0.00	0.28
5.35	0.10	0.00	0.10	7.95	0.28	0.00	0.28
5.40	0.10	0.00	0.10	8.00	0.29	0.00	0.29
5.45	0.10	0.00	0.10	8.05	0.29	0.00	0.29
5.50	0.10	0.00	0.10	8.10	0.30	0.00	0.30
5.55	0.11	0.00	0.11	8.15	0.30	0.00	0.30
5.60	0.11	0.00	0.11	8.20	0.31	0.00	0.31
5.65	0.11	0.00	0.11	8.25	0.31	0.00	0.31
5.70	0.11	0.00	0.11	8.30	0.32	0.00	0.32
5.75	0.12	0.00	0.12	8.35	0.32	0.00	0.32
5.80	0.12	0.00	0.12	8.40	0.33	0.00	0.33
5.85	0.12	0.00	0.12	8.45	0.33	0.00	0.33
5.90	0.12	0.00	0.12	8.50	0.34	0.00	0.34
5.95	0.12	0.00	0.12	8.55	0.34	0.00	0.34
6.00	0.13	0.00	0.13	8.60	0.35	0.00	0.35
6.05	0.13	0.00	0.13	8.65	0.35	0.00	0.35
6.10	0.13	0.00	0.13	8.70	0.36	0.00	0.36
6.15	0.13	0.00	0.13	8.75	0.37	0.00	0.37
6.20	0.14	0.00	0.14	8.80	0.37	0.00	0.37
6.25	0.14	0.00	0.14	8.85	0.38	0.00	0.38
6.30	0.14	0.00	0.14	8.90	0.38	0.00	0.38
6.35	0.15	0.00	0.15	8.95	0.39	0.00	0.39
6.40	0.15	0.00	0.15	9.00	0.39	0.00	0.39
6.45	0.15	0.00	0.15	9.05	0.40	0.00	0.40
6.50	0.15	0.00	0.15	9.10	0.40	0.00	0.40
6.55	0.16	0.00	0.16	9.15	0.41	0.00	0.41
6.60	0.16	0.00	0.16	9.20	0.42	0.00	0.42
6.65	0.17	0.00	0.17	9.25	0.42	0.00	0.42
6.70	0.17	0.00	0.17	9.30	0.43	0.00	0.43
6.75	0.17	0.00	0.17	9.35	0.44	0.00	0.44
6.80	0.18	0.00	0.18	9.40	0.45	0.00	0.45
6.85	0.18	0.00	0.18	9.45	0.46	0.00	0.46
6.90	0.19	0.00	0.19	9.50	0.47	0.00	0.47
6.95	0.19	0.00	0.19	9.55	0.48	0.00	0.48
7.00	0.19	0.00	0.19	9.60	0.50	0.00	0.50
7.05	0.20	0.00	0.20	9.65	0.51	0.00	0.51
7.10	0.20	0.00	0.20	9.70	0.53	0.00	0.53
7.15	0.21	0.00	0.21	9.75	0.54	0.00	0.54
7.20	0.21	0.00	0.21	9.80	0.56	0.00	0.56
7.25	0.22	0.00	0.22	9.85	0.57	0.00	0.57
7.30	0.22	0.00	0.22	9.90	0.59	0.00	0.59
7.35	0.22	0.00	0.22	9.95	0.60	0.00	0.60
7.40	0.23	0.00	0.23	10.00	0.62	0.00	0.62
7.45	0.23	0.00	0.23	10.05	0.63	0.00	0.63
7.50	0.24	0.00	0.24	10.10	0.65	0.00	0.65
7.55	0.24	0.00	0.24	10.15	0.67	0.00	0.67
7.60	0.25	0.00	0.25	10.20	0.68	0.00	0.68
7.65	0.25	0.00	0.25	10.25	0.70	0.00	0.70
7.70	0.26	0.00	0.26	10.30	0.72	0.00	0.72
7.75	0.26	0.00	0.26	10.35	0.73	0.00	0.73

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.75	0.00	0.75	13.00	36.22	0.00	36.22
10.45	0.77	0.00	0.77	13.05	33.68	0.00	33.68
10.50	0.79	0.00	0.79	13.10	31.46	0.00	31.46
10.55	0.81	0.00	0.81	13.15	29.53	0.00	29.53
10.60	0.84	0.00	0.84	13.20	27.82	0.00	27.82
10.65	0.87	0.00	0.87	13.25	26.28	0.00	26.28
10.70	0.90	0.00	0.90	13.30	24.90	0.00	24.90
10.75	0.95	0.00	0.95	13.35	23.65	0.00	23.65
10.80	1.00	0.00	1.00	13.40	22.49	0.00	22.49
10.85	1.07	0.00	1.07	13.45	21.44	0.00	21.44
10.90	1.15	0.00	1.15	13.50	20.50	0.00	20.50
10.95	1.24	0.00	1.24	13.55	19.62	0.00	19.62
11.00	1.35	0.00	1.35	13.60	18.81	0.00	18.81
11.05	1.47	0.00	1.47	13.65	18.07	0.00	18.07
11.10	1.62	0.00	1.62	13.70	17.37	0.00	17.37
11.15	1.78	0.00	1.78	13.75	16.70	0.00	16.70
11.20	1.98	0.00	1.98	13.80	16.09	0.00	16.09
11.25	2.20	0.00	2.20	13.85	15.54	0.00	15.54
11.30	2.47	0.00	2.47	13.90	15.04	0.00	15.04
11.35	2.77	0.00	2.77	13.95	14.60	0.00	14.60
11.40	3.12	0.00	3.12	14.00	14.22	0.00	14.22
11.45	3.51	0.00	3.51	14.05	13.88	0.00	13.88
11.50	3.95	0.00	3.95	14.10	13.58	0.00	13.58
11.55	4.43	0.00	4.43	14.15	13.32	0.00	13.32
11.60	4.99	0.00	4.99	14.20	13.08	0.00	13.08
11.65	5.63	0.00	5.63	14.25	12.86	0.00	12.86
11.70	6.38	0.00	6.38	14.30	12.66	0.00	12.66
11.75	7.28	0.00	7.28	14.35	12.47	0.00	12.47
11.80	8.37	0.00	8.37	14.40	12.30	0.00	12.30
11.85	9.67	0.00	9.67	14.45	12.12	0.00	12.12
11.90	11.25	0.00	11.25	14.50	11.96	0.00	11.96
11.95	13.21	0.00	13.21	14.55	11.80	0.00	11.80
12.00	15.73	0.00	15.73	14.60	11.64	0.00	11.64
12.05	19.15	0.00	19.15	14.65	11.49	0.00	11.49
12.10	25.85	0.00	25.85	14.70	11.34	0.00	11.34
12.15	35.91	0.00	35.91	14.75	11.18	0.00	11.18
12.20	45.55	0.00	45.55	14.80	11.03	0.00	11.03
12.25	55.08	0.00	55.08	14.85	10.88	0.00	10.88
12.30	64.25	0.00	64.25	14.90	10.73	0.00	10.73
12.35	71.84	0.00	71.84	14.95	10.58	0.00	10.58
12.40	76.45	0.00	76.45	15.00	10.42	0.00	10.42
12.45	**78.23**	0.00	**78.23**	15.05	10.28	0.00	10.28
12.50	77.39	0.00	77.39	15.10	10.12	0.00	10.12
12.55	74.34	0.00	74.34	15.15	9.97	0.00	9.97
12.60	69.77	0.00	69.77	15.20	9.82	0.00	9.82
12.65	64.48	0.00	64.48	15.25	9.68	0.00	9.68
12.70	59.12	0.00	59.12	15.30	9.54	0.00	9.54
12.75	54.28	0.00	54.28	15.35	9.41	0.00	9.41
12.80	49.91	0.00	49.91	15.40	9.29	0.00	9.29
12.85	45.93	0.00	45.93	15.45	9.18	0.00	9.18
12.90	42.30	0.00	42.30	15.50	9.07	0.00	9.07
12.95	39.06	0.00	39.06	15.55	8.99	0.00	8.99

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.91	0.00	8.91	18.20	6.63	0.00	6.63
15.65	8.84	0.00	8.84	18.25	6.59	0.00	6.59
15.70	8.77	0.00	8.77	18.30	6.55	0.00	6.55
15.75	8.71	0.00	8.71	18.35	6.51	0.00	6.51
15.80	8.66	0.00	8.66	18.40	6.47	0.00	6.47
15.85	8.60	0.00	8.60	18.45	6.44	0.00	6.44
15.90	8.56	0.00	8.56	18.50	6.41	0.00	6.41
15.95	8.51	0.00	8.51	18.55	6.39	0.00	6.39
16.00	8.46	0.00	8.46	18.60	6.36	0.00	6.36
16.05	8.42	0.00	8.42	18.65	6.34	0.00	6.34
16.10	8.38	0.00	8.38	18.70	6.32	0.00	6.32
16.15	8.33	0.00	8.33	18.75	6.30	0.00	6.30
16.20	8.29	0.00	8.29	18.80	6.29	0.00	6.29
16.25	8.25	0.00	8.25	18.85	6.27	0.00	6.27
16.30	8.21	0.00	8.21	18.90	6.26	0.00	6.26
16.35	8.17	0.00	8.17	18.95	6.24	0.00	6.24
16.40	8.13	0.00	8.13	19.00	6.23	0.00	6.23
16.45	8.09	0.00	8.09	19.05	6.22	0.00	6.22
16.50	8.05	0.00	8.05	19.10	6.20	0.00	6.20
16.55	8.01	0.00	8.01	19.15	6.19	0.00	6.19
16.60	7.97	0.00	7.97	19.20	6.18	0.00	6.18
16.65	7.93	0.00	7.93	19.25	6.17	0.00	6.17
16.70	7.89	0.00	7.89	19.30	6.16	0.00	6.16
16.75	7.85	0.00	7.85	19.35	6.15	0.00	6.15
16.80	7.81	0.00	7.81	19.40	6.13	0.00	6.13
16.85	7.77	0.00	7.77	19.45	6.12	0.00	6.12
16.90	7.73	0.00	7.73	19.50	6.11	0.00	6.11
16.95	7.69	0.00	7.69	19.55	6.10	0.00	6.10
17.00	7.65	0.00	7.65	19.60	6.09	0.00	6.09
17.05	7.60	0.00	7.60	19.65	6.08	0.00	6.08
17.10	7.56	0.00	7.56	19.70	6.07	0.00	6.07
17.15	7.52	0.00	7.52	19.75	6.06	0.00	6.06
17.20	7.48	0.00	7.48	19.80	6.05	0.00	6.05
17.25	7.44	0.00	7.44	19.85	6.04	0.00	6.04
17.30	7.40	0.00	7.40	19.90	6.03	0.00	6.03
17.35	7.36	0.00	7.36	19.95	6.02	0.00	6.02
17.40	7.31	0.00	7.31	20.00	6.01	0.00	6.01
17.45	7.27	0.00	7.27	20.05	6.00	0.00	6.00
17.50	7.23	0.00	7.23	20.10	5.99	0.00	5.99
17.55	7.18	0.00	7.18	20.15	5.98	0.00	5.98
17.60	7.14	0.00	7.14	20.20	5.97	0.00	5.97
17.65	7.10	0.00	7.10	20.25	5.96	0.00	5.96
17.70	7.06	0.00	7.06	20.30	5.94	0.00	5.94
17.75	7.01	0.00	7.01	20.35	5.93	0.00	5.93
17.80	6.97	0.00	6.97	20.40	5.92	0.00	5.92
17.85	6.93	0.00	6.93	20.45	5.91	0.00	5.91
17.90	6.89	0.00	6.89	20.50	5.90	0.00	5.90
17.95	6.84	0.00	6.84	20.55	5.89	0.00	5.89
18.00	6.80	0.00	6.80	20.60	5.88	0.00	5.88
18.05	6.76	0.00	6.76	20.65	5.87	0.00	5.87
18.10	6.71	0.00	6.71	20.70	5.86	0.00	5.86
18.15	6.67	0.00	6.67	20.75	5.85	0.00	5.85

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.84	0.00	5.84	23.40	5.25	0.00	5.25
20.85	5.83	0.00	5.83	23.45	5.24	0.00	5.24
20.90	5.82	0.00	5.82	23.50	5.23	0.00	5.23
20.95	5.81	0.00	5.81	23.55	5.22	0.00	5.22
21.00	5.79	0.00	5.79	23.60	5.21	0.00	5.21
21.05	5.78	0.00	5.78	23.65	5.20	0.00	5.20
21.10	5.77	0.00	5.77	23.70	5.19	0.00	5.19
21.15	5.76	0.00	5.76	23.75	5.17	0.00	5.17
21.20	5.75	0.00	5.75	23.80	5.16	0.00	5.16
21.25	5.74	0.00	5.74	23.85	5.15	0.00	5.15
21.30	5.73	0.00	5.73	23.90	5.14	0.00	5.14
21.35	5.71	0.00	5.71	23.95	5.13	0.00	5.13
21.40	5.70	0.00	5.70	24.00	5.12	0.00	5.12
21.45	5.69	0.00	5.69	24.05	5.11	0.00	5.11
21.50	5.68	0.00	5.68	24.10	5.10	0.00	5.10
21.55	5.67	0.00	5.67	24.15	5.08	0.00	5.08
21.60	5.66	0.00	5.66	24.20	5.02	0.00	5.02
21.65	5.65	0.00	5.65	24.25	4.91	0.00	4.91
21.70	5.64	0.00	5.64	24.30	4.74	0.00	4.74
21.75	5.63	0.00	5.63	24.35	4.53	0.00	4.53
21.80	5.62	0.00	5.62	24.40	4.31	0.00	4.31
21.85	5.60	0.00	5.60	24.45	4.08	0.00	4.08
21.90	5.59	0.00	5.59	24.50	3.86	0.00	3.86
21.95	5.58	0.00	5.58	24.55	3.67	0.00	3.67
22.00	5.57	0.00	5.57	24.60	3.51	0.00	3.51
22.05	5.56	0.00	5.56	24.65	3.39	0.00	3.39
22.10	5.55	0.00	5.55	24.70	3.29	0.00	3.29
22.15	5.54	0.00	5.54	24.75	3.21	0.00	3.21
22.20	5.52	0.00	5.52	24.80	3.15	0.00	3.15
22.25	5.51	0.00	5.51	24.85	3.10	0.00	3.10
22.30	5.50	0.00	5.50	24.90	3.06	0.00	3.06
22.35	5.49	0.00	5.49	24.95	3.03	0.00	3.03
22.40	5.48	0.00	5.48	25.00	3.00	0.00	3.00
22.45	5.47	0.00	5.47	25.05	2.97	0.00	2.97
22.50	5.46	0.00	5.46	25.10	2.96	0.00	2.96
22.55	5.45	0.00	5.45	25.15	2.94	0.00	2.94
22.60	5.43	0.00	5.43	25.20	2.93	0.00	2.93
22.65	5.42	0.00	5.42	25.25	2.91	0.00	2.91
22.70	5.41	0.00	5.41	25.30	2.90	0.00	2.90
22.75	5.40	0.00	5.40	25.35	2.89	0.00	2.89
22.80	5.39	0.00	5.39	25.40	2.89	0.00	2.89
22.85	5.38	0.00	5.38	25.45	2.88	0.00	2.88
22.90	5.37	0.00	5.37	25.50	2.87	0.00	2.87
22.95	5.36	0.00	5.36	25.55	2.86	0.00	2.86
23.00	5.35	0.00	5.35	25.60	2.86	0.00	2.86
23.05	5.33	0.00	5.33	25.65	2.85	0.00	2.85
23.10	5.32	0.00	5.32	25.70	2.85	0.00	2.85
23.15	5.31	0.00	5.31	25.75	2.84	0.00	2.84
23.20	5.30	0.00	5.30	25.80	2.84	0.00	2.84
23.25	5.29	0.00	5.29	25.85	2.83	0.00	2.83
23.30	5.28	0.00	5.28	25.90	2.83	0.00	2.83
23.35	5.27	0.00	5.27	25.95	2.82	0.00	2.82

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	2.82	0.00	2.82	28.60	2.57	0.00	2.57
26.05	2.81	0.00	2.81	28.65	2.57	0.00	2.57
26.10	2.81	0.00	2.81	28.70	2.56	0.00	2.56
26.15	2.80	0.00	2.80	28.75	2.56	0.00	2.56
26.20	2.80	0.00	2.80	28.80	2.55	0.00	2.55
26.25	2.79	0.00	2.79	28.85	2.55	0.00	2.55
26.30	2.79	0.00	2.79	28.90	2.54	0.00	2.54
26.35	2.79	0.00	2.79	28.95	2.54	0.00	2.54
26.40	2.78	0.00	2.78	29.00	2.53	0.00	2.53
26.45	2.78	0.00	2.78	29.05	2.53	0.00	2.53
26.50	2.77	0.00	2.77	29.10	2.53	0.00	2.53
26.55	2.77	0.00	2.77	29.15	2.52	0.00	2.52
26.60	2.76	0.00	2.76	29.20	2.52	0.00	2.52
26.65	2.76	0.00	2.76	29.25	2.51	0.00	2.51
26.70	2.75	0.00	2.75	29.30	2.51	0.00	2.51
26.75	2.75	0.00	2.75	29.35	2.50	0.00	2.50
26.80	2.74	0.00	2.74	29.40	2.50	0.00	2.50
26.85	2.74	0.00	2.74	29.45	2.49	0.00	2.49
26.90	2.73	0.00	2.73	29.50	2.49	0.00	2.49
26.95	2.73	0.00	2.73	29.55	2.48	0.00	2.48
27.00	2.72	0.00	2.72	29.60	2.48	0.00	2.48
27.05	2.72	0.00	2.72	29.65	2.47	0.00	2.47
27.10	2.71	0.00	2.71	29.70	2.47	0.00	2.47
27.15	2.71	0.00	2.71	29.75	2.46	0.00	2.46
27.20	2.71	0.00	2.71	29.80	2.46	0.00	2.46
27.25	2.70	0.00	2.70	29.85	2.45	0.00	2.45
27.30	2.70	0.00	2.70	29.90	2.45	0.00	2.45
27.35	2.69	0.00	2.69	29.95	2.44	0.00	2.44
27.40	2.69	0.00	2.69	30.00	2.44	0.00	2.44
27.45	2.68	0.00	2.68	30.05	2.44	0.00	2.44
27.50	2.68	0.00	2.68	30.10	2.43	0.00	2.43
27.55	2.67	0.00	2.67	30.15	2.43	0.00	2.43
27.60	2.67	0.00	2.67	30.20	2.42	0.00	2.42
27.65	2.66	0.00	2.66	30.25	2.42	0.00	2.42
27.70	2.66	0.00	2.66	30.30	2.41	0.00	2.41
27.75	2.65	0.00	2.65	30.35	2.41	0.00	2.41
27.80	2.65	0.00	2.65	30.40	2.40	0.00	2.40
27.85	2.64	0.00	2.64	30.45	2.40	0.00	2.40
27.90	2.64	0.00	2.64	30.50	2.39	0.00	2.39
27.95	2.63	0.00	2.63	30.55	2.39	0.00	2.39
28.00	2.63	0.00	2.63	30.60	2.38	0.00	2.38
28.05	2.62	0.00	2.62	30.65	2.38	0.00	2.38
28.10	2.62	0.00	2.62	30.70	2.37	0.00	2.37
28.15	2.62	0.00	2.62	30.75	2.37	0.00	2.37
28.20	2.61	0.00	2.61	30.80	2.36	0.00	2.36
28.25	2.61	0.00	2.61	30.85	2.36	0.00	2.36
28.30	2.60	0.00	2.60	30.90	2.35	0.00	2.35
28.35	2.60	0.00	2.60	30.95	2.35	0.00	2.35
28.40	2.59	0.00	2.59	31.00	2.34	0.00	2.34
28.45	2.59	0.00	2.59	31.05	2.34	0.00	2.34
28.50	2.58	0.00	2.58	31.10	2.33	0.00	2.33
28.55	2.58	0.00	2.58	31.15	2.33	0.00	2.33

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	2.33	0.00	2.33	33.80	2.08	0.00	2.08
31.25	2.32	0.00	2.32	33.85	2.07	0.00	2.07
31.30	2.32	0.00	2.32	33.90	2.07	0.00	2.07
31.35	2.31	0.00	2.31	33.95	2.06	0.00	2.06
31.40	2.31	0.00	2.31	34.00	2.06	0.00	2.06
31.45	2.30	0.00	2.30	34.05	2.05	0.00	2.05
31.50	2.30	0.00	2.30	34.10	2.05	0.00	2.05
31.55	2.29	0.00	2.29	34.15	2.04	0.00	2.04
31.60	2.29	0.00	2.29	34.20	2.04	0.00	2.04
31.65	2.28	0.00	2.28	34.25	2.03	0.00	2.03
31.70	2.28	0.00	2.28	34.30	2.03	0.00	2.03
31.75	2.27	0.00	2.27	34.35	2.02	0.00	2.02
31.80	2.27	0.00	2.27	34.40	2.02	0.00	2.02
31.85	2.26	0.00	2.26	34.45	2.01	0.00	2.01
31.90	2.26	0.00	2.26	34.50	2.01	0.00	2.01
31.95	2.25	0.00	2.25	34.55	2.00	0.00	2.00
32.00	2.25	0.00	2.25	34.60	2.00	0.00	2.00
32.05	2.24	0.00	2.24	34.65	1.99	0.00	1.99
32.10	2.24	0.00	2.24	34.70	1.99	0.00	1.99
32.15	2.23	0.00	2.23	34.75	1.98	0.00	1.98
32.20	2.23	0.00	2.23	34.80	1.98	0.00	1.98
32.25	2.23	0.00	2.23	34.85	1.98	0.00	1.98
32.30	2.22	0.00	2.22	34.90	1.97	0.00	1.97
32.35	2.22	0.00	2.22	34.95	1.97	0.00	1.97
32.40	2.21	0.00	2.21	35.00	1.96	0.00	1.96
32.45	2.21	0.00	2.21	35.05	1.96	0.00	1.96
32.50	2.20	0.00	2.20	35.10	1.95	0.00	1.95
32.55	2.20	0.00	2.20	35.15	1.95	0.00	1.95
32.60	2.19	0.00	2.19	35.20	1.94	0.00	1.94
32.65	2.19	0.00	2.19	35.25	1.94	0.00	1.94
32.70	2.18	0.00	2.18	35.30	1.93	0.00	1.93
32.75	2.18	0.00	2.18	35.35	1.93	0.00	1.93
32.80	2.17	0.00	2.17	35.40	1.92	0.00	1.92
32.85	2.17	0.00	2.17	35.45	1.92	0.00	1.92
32.90	2.16	0.00	2.16	35.50	1.91	0.00	1.91
32.95	2.16	0.00	2.16	35.55	1.91	0.00	1.91
33.00	2.15	0.00	2.15	35.60	1.90	0.00	1.90
33.05	2.15	0.00	2.15	35.65	1.90	0.00	1.90
33.10	2.14	0.00	2.14	35.70	1.89	0.00	1.89
33.15	2.14	0.00	2.14	35.75	1.89	0.00	1.89
33.20	2.13	0.00	2.13	35.80	1.88	0.00	1.88
33.25	2.13	0.00	2.13	35.85	1.88	0.00	1.88
33.30	2.12	0.00	2.12	35.90	1.87	0.00	1.87
33.35	2.12	0.00	2.12	35.95	1.87	0.00	1.87
33.40	2.11	0.00	2.11	36.00	1.86	0.00	1.86
33.45	2.11	0.00	2.11	36.05	1.86	0.00	1.86
33.50	2.11	0.00	2.11	36.10	1.85	0.00	1.85
33.55	2.10	0.00	2.10	36.15	1.85	0.00	1.85
33.60	2.10	0.00	2.10	36.20	1.84	0.00	1.84
33.65	2.09	0.00	2.09	36.25	1.84	0.00	1.84
33.70	2.09	0.00	2.09	36.30	1.83	0.00	1.83
33.75	2.08	0.00	2.08	36.35	1.83	0.00	1.83

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

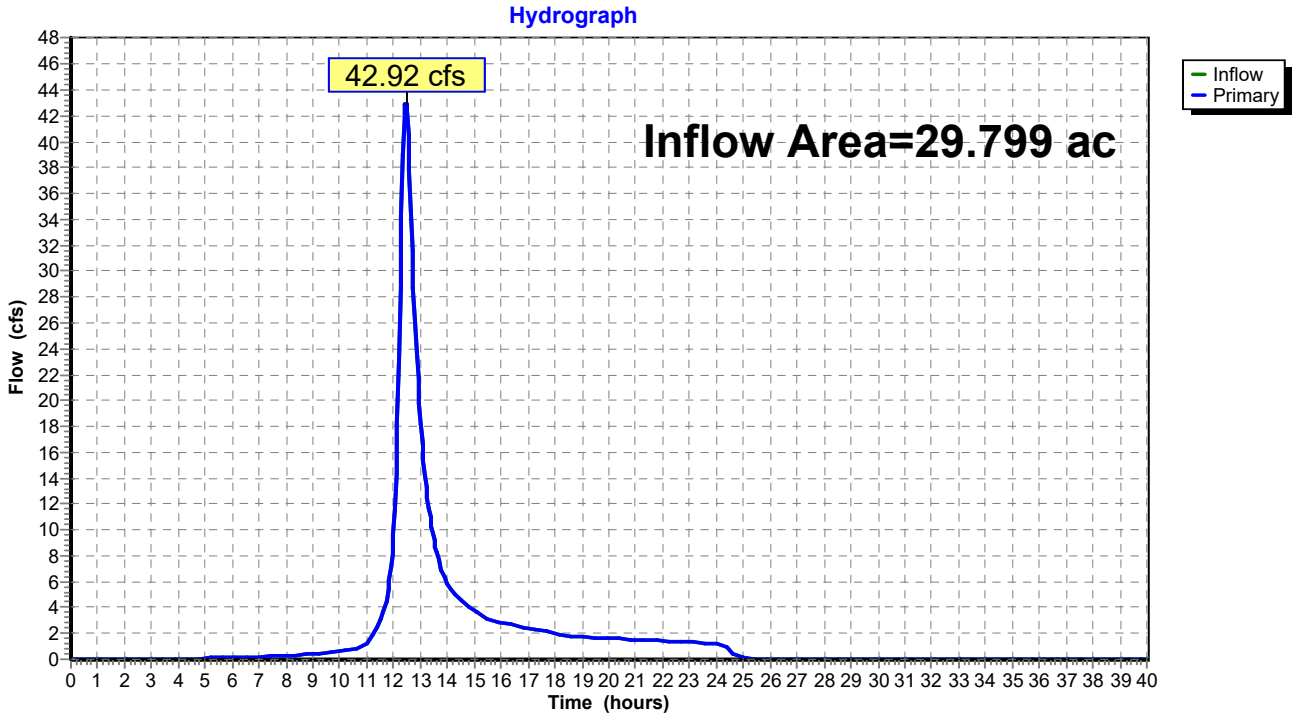
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	1.83	0.00	1.83
36.45	1.82	0.00	1.82
36.50	1.82	0.00	1.82
36.55	1.81	0.00	1.81
36.60	1.81	0.00	1.81
36.65	1.80	0.00	1.80
36.70	1.80	0.00	1.80
36.75	1.79	0.00	1.79
36.80	1.79	0.00	1.79
36.85	1.78	0.00	1.78
36.90	1.78	0.00	1.78
36.95	1.77	0.00	1.77
37.00	1.77	0.00	1.77
37.05	1.76	0.00	1.76
37.10	1.76	0.00	1.76
37.15	1.75	0.00	1.75
37.20	1.75	0.00	1.75
37.25	1.74	0.00	1.74
37.30	1.74	0.00	1.74
37.35	1.73	0.00	1.73
37.40	1.73	0.00	1.73
37.45	1.72	0.00	1.72
37.50	1.72	0.00	1.72
37.55	1.71	0.00	1.71
37.60	1.71	0.00	1.71
37.65	1.70	0.00	1.70
37.70	1.70	0.00	1.70
37.75	1.69	0.00	1.69
37.80	1.69	0.00	1.69
37.85	1.68	0.00	1.68
37.90	1.68	0.00	1.68
37.95	1.67	0.00	1.67
38.00	1.67	0.00	1.67
38.05	1.67	0.00	1.67
38.10	1.66	0.00	1.66
38.15	1.66	0.00	1.66
38.20	1.65	0.00	1.65
38.25	1.65	0.00	1.65
38.30	1.64	0.00	1.64
38.35	1.64	0.00	1.64
38.40	1.63	0.00	1.63
38.45	1.63	0.00	1.63
38.50	1.62	0.00	1.62
38.55	1.62	0.00	1.62
38.60	1.61	0.00	1.61
38.65	1.61	0.00	1.61
38.70	1.60	0.00	1.60
38.75	1.60	0.00	1.60
38.80	1.59	0.00	1.59
38.85	1.59	0.00	1.59
38.90	1.58	0.00	1.58
38.95	1.58	0.00	1.58
39.00	1.57	0.00	1.57
39.05	1.57	0.00	1.57
39.10	1.57	0.00	1.57
39.15	1.56	0.00	1.56
39.20	1.56	0.00	1.56
39.25	1.55	0.00	1.55
39.30	1.55	0.00	1.55
39.35	1.54	0.00	1.54
39.40	1.54	0.00	1.54
39.45	1.53	0.00	1.53
39.50	1.53	0.00	1.53
39.55	1.52	0.00	1.52
39.60	1.52	0.00	1.52
39.65	1.51	0.00	1.51
39.70	1.51	0.00	1.51
39.75	1.51	0.00	1.51
39.80	1.50	0.00	1.50
39.85	1.50	0.00	1.50
39.90	1.49	0.00	1.49
39.95	1.49	0.00	1.49
40.00	1.48	0.00	1.48

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.23" for Current 10 yr event
Inflow = 42.92 cfs @ 12.46 hrs, Volume= 5.541 af
Primary = 42.92 cfs @ 12.46 hrs, Volume= 5.541 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.01	0.00	0.01
0.90	0.00	0.00	0.00	3.50	0.01	0.00	0.01
0.95	0.00	0.00	0.00	3.55	0.01	0.00	0.01
1.00	0.00	0.00	0.00	3.60	0.01	0.00	0.01
1.05	0.00	0.00	0.00	3.65	0.01	0.00	0.01
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.03	0.00	0.03
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.04	0.00	0.04
1.60	0.00	0.00	0.00	4.20	0.04	0.00	0.04
1.65	0.00	0.00	0.00	4.25	0.04	0.00	0.04
1.70	0.00	0.00	0.00	4.30	0.04	0.00	0.04
1.75	0.00	0.00	0.00	4.35	0.05	0.00	0.05
1.80	0.00	0.00	0.00	4.40	0.05	0.00	0.05
1.85	0.00	0.00	0.00	4.45	0.05	0.00	0.05
1.90	0.00	0.00	0.00	4.50	0.05	0.00	0.05
1.95	0.00	0.00	0.00	4.55	0.06	0.00	0.06
2.00	0.00	0.00	0.00	4.60	0.06	0.00	0.06
2.05	0.00	0.00	0.00	4.65	0.06	0.00	0.06
2.10	0.00	0.00	0.00	4.70	0.06	0.00	0.06
2.15	0.00	0.00	0.00	4.75	0.07	0.00	0.07
2.20	0.00	0.00	0.00	4.80	0.07	0.00	0.07
2.25	0.00	0.00	0.00	4.85	0.07	0.00	0.07
2.30	0.00	0.00	0.00	4.90	0.07	0.00	0.07
2.35	0.00	0.00	0.00	4.95	0.08	0.00	0.08
2.40	0.00	0.00	0.00	5.00	0.08	0.00	0.08
2.45	0.00	0.00	0.00	5.05	0.08	0.00	0.08
2.50	0.00	0.00	0.00	5.10	0.08	0.00	0.08
2.55	0.00	0.00	0.00	5.15	0.09	0.00	0.09

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.27	0.00	0.27
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.28	0.00	0.28
5.35	0.10	0.00	0.10	7.95	0.28	0.00	0.28
5.40	0.10	0.00	0.10	8.00	0.29	0.00	0.29
5.45	0.10	0.00	0.10	8.05	0.29	0.00	0.29
5.50	0.10	0.00	0.10	8.10	0.30	0.00	0.30
5.55	0.11	0.00	0.11	8.15	0.30	0.00	0.30
5.60	0.11	0.00	0.11	8.20	0.31	0.00	0.31
5.65	0.11	0.00	0.11	8.25	0.31	0.00	0.31
5.70	0.11	0.00	0.11	8.30	0.32	0.00	0.32
5.75	0.12	0.00	0.12	8.35	0.32	0.00	0.32
5.80	0.12	0.00	0.12	8.40	0.33	0.00	0.33
5.85	0.12	0.00	0.12	8.45	0.33	0.00	0.33
5.90	0.12	0.00	0.12	8.50	0.34	0.00	0.34
5.95	0.12	0.00	0.12	8.55	0.34	0.00	0.34
6.00	0.13	0.00	0.13	8.60	0.35	0.00	0.35
6.05	0.13	0.00	0.13	8.65	0.35	0.00	0.35
6.10	0.13	0.00	0.13	8.70	0.36	0.00	0.36
6.15	0.13	0.00	0.13	8.75	0.37	0.00	0.37
6.20	0.14	0.00	0.14	8.80	0.37	0.00	0.37
6.25	0.14	0.00	0.14	8.85	0.38	0.00	0.38
6.30	0.14	0.00	0.14	8.90	0.38	0.00	0.38
6.35	0.15	0.00	0.15	8.95	0.39	0.00	0.39
6.40	0.15	0.00	0.15	9.00	0.39	0.00	0.39
6.45	0.15	0.00	0.15	9.05	0.40	0.00	0.40
6.50	0.15	0.00	0.15	9.10	0.40	0.00	0.40
6.55	0.16	0.00	0.16	9.15	0.41	0.00	0.41
6.60	0.16	0.00	0.16	9.20	0.42	0.00	0.42
6.65	0.17	0.00	0.17	9.25	0.42	0.00	0.42
6.70	0.17	0.00	0.17	9.30	0.43	0.00	0.43
6.75	0.17	0.00	0.17	9.35	0.44	0.00	0.44
6.80	0.18	0.00	0.18	9.40	0.45	0.00	0.45
6.85	0.18	0.00	0.18	9.45	0.46	0.00	0.46
6.90	0.19	0.00	0.19	9.50	0.47	0.00	0.47
6.95	0.19	0.00	0.19	9.55	0.48	0.00	0.48
7.00	0.19	0.00	0.19	9.60	0.50	0.00	0.50
7.05	0.20	0.00	0.20	9.65	0.51	0.00	0.51
7.10	0.20	0.00	0.20	9.70	0.53	0.00	0.53
7.15	0.21	0.00	0.21	9.75	0.54	0.00	0.54
7.20	0.21	0.00	0.21	9.80	0.56	0.00	0.56
7.25	0.22	0.00	0.22	9.85	0.57	0.00	0.57
7.30	0.22	0.00	0.22	9.90	0.59	0.00	0.59
7.35	0.22	0.00	0.22	9.95	0.60	0.00	0.60
7.40	0.23	0.00	0.23	10.00	0.62	0.00	0.62
7.45	0.23	0.00	0.23	10.05	0.63	0.00	0.63
7.50	0.24	0.00	0.24	10.10	0.65	0.00	0.65
7.55	0.24	0.00	0.24	10.15	0.67	0.00	0.67
7.60	0.25	0.00	0.25	10.20	0.68	0.00	0.68
7.65	0.25	0.00	0.25	10.25	0.70	0.00	0.70
7.70	0.26	0.00	0.26	10.30	0.72	0.00	0.72
7.75	0.26	0.00	0.26	10.35	0.73	0.00	0.73

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.75	0.00	0.75	13.00	18.08	0.00	18.08
10.45	0.77	0.00	0.77	13.05	16.62	0.00	16.62
10.50	0.79	0.00	0.79	13.10	15.34	0.00	15.34
10.55	0.81	0.00	0.81	13.15	14.24	0.00	14.24
10.60	0.84	0.00	0.84	13.20	13.27	0.00	13.27
10.65	0.87	0.00	0.87	13.25	12.40	0.00	12.40
10.70	0.90	0.00	0.90	13.30	11.62	0.00	11.62
10.75	0.95	0.00	0.95	13.35	10.92	0.00	10.92
10.80	1.00	0.00	1.00	13.40	10.28	0.00	10.28
10.85	1.06	0.00	1.06	13.45	9.70	0.00	9.70
10.90	1.13	0.00	1.13	13.50	9.18	0.00	9.18
10.95	1.22	0.00	1.22	13.55	8.71	0.00	8.71
11.00	1.31	0.00	1.31	13.60	8.27	0.00	8.27
11.05	1.41	0.00	1.41	13.65	7.86	0.00	7.86
11.10	1.52	0.00	1.52	13.70	7.48	0.00	7.48
11.15	1.63	0.00	1.63	13.75	7.12	0.00	7.12
11.20	1.77	0.00	1.77	13.80	6.78	0.00	6.78
11.25	1.91	0.00	1.91	13.85	6.48	0.00	6.48
11.30	2.08	0.00	2.08	13.90	6.21	0.00	6.21
11.35	2.26	0.00	2.26	13.95	5.97	0.00	5.97
11.40	2.46	0.00	2.46	14.00	5.77	0.00	5.77
11.45	2.68	0.00	2.68	14.05	5.59	0.00	5.59
11.50	2.92	0.00	2.92	14.10	5.43	0.00	5.43
11.55	3.18	0.00	3.18	14.15	5.29	0.00	5.29
11.60	3.47	0.00	3.47	14.20	5.17	0.00	5.17
11.65	3.82	0.00	3.82	14.25	5.06	0.00	5.06
11.70	4.23	0.00	4.23	14.30	4.95	0.00	4.95
11.75	4.73	0.00	4.73	14.35	4.86	0.00	4.86
11.80	5.35	0.00	5.35	14.40	4.76	0.00	4.76
11.85	6.09	0.00	6.09	14.45	4.68	0.00	4.68
11.90	7.00	0.00	7.00	14.50	4.59	0.00	4.59
11.95	8.13	0.00	8.13	14.55	4.51	0.00	4.51
12.00	9.59	0.00	9.59	14.60	4.43	0.00	4.43
12.05	11.57	0.00	11.57	14.65	4.35	0.00	4.35
12.10	14.33	0.00	14.33	14.70	4.27	0.00	4.27
12.15	18.14	0.00	18.14	14.75	4.19	0.00	4.19
12.20	23.05	0.00	23.05	14.80	4.12	0.00	4.12
12.25	28.66	0.00	28.66	14.85	4.04	0.00	4.04
12.30	34.26	0.00	34.26	14.90	3.96	0.00	3.96
12.35	38.93	0.00	38.93	14.95	3.89	0.00	3.89
12.40	41.80	0.00	41.80	15.00	3.81	0.00	3.81
12.45	**42.89**	0.00	**42.89**	15.05	3.74	0.00	3.74
12.50	42.35	0.00	42.35	15.10	3.66	0.00	3.66
12.55	40.51	0.00	40.51	15.15	3.58	0.00	3.58
12.60	37.83	0.00	37.83	15.20	3.51	0.00	3.51
12.65	34.72	0.00	34.72	15.25	3.43	0.00	3.43
12.70	31.54	0.00	31.54	15.30	3.36	0.00	3.36
12.75	28.68	0.00	28.68	15.35	3.29	0.00	3.29
12.80	26.10	0.00	26.10	15.40	3.23	0.00	3.23
12.85	23.75	0.00	23.75	15.45	3.17	0.00	3.17
12.90	21.62	0.00	21.62	15.50	3.12	0.00	3.12
12.95	19.73	0.00	19.73	15.55	3.08	0.00	3.08

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.04	0.00	3.04	18.20	1.92	0.00	1.92
15.65	3.00	0.00	3.00	18.25	1.90	0.00	1.90
15.70	2.97	0.00	2.97	18.30	1.88	0.00	1.88
15.75	2.94	0.00	2.94	18.35	1.86	0.00	1.86
15.80	2.92	0.00	2.92	18.40	1.84	0.00	1.84
15.85	2.89	0.00	2.89	18.45	1.82	0.00	1.82
15.90	2.87	0.00	2.87	18.50	1.81	0.00	1.81
15.95	2.84	0.00	2.84	18.55	1.80	0.00	1.80
16.00	2.82	0.00	2.82	18.60	1.79	0.00	1.79
16.05	2.80	0.00	2.80	18.65	1.78	0.00	1.78
16.10	2.78	0.00	2.78	18.70	1.77	0.00	1.77
16.15	2.75	0.00	2.75	18.75	1.76	0.00	1.76
16.20	2.73	0.00	2.73	18.80	1.75	0.00	1.75
16.25	2.71	0.00	2.71	18.85	1.75	0.00	1.75
16.30	2.69	0.00	2.69	18.90	1.74	0.00	1.74
16.35	2.67	0.00	2.67	18.95	1.74	0.00	1.74
16.40	2.65	0.00	2.65	19.00	1.73	0.00	1.73
16.45	2.63	0.00	2.63	19.05	1.72	0.00	1.72
16.50	2.61	0.00	2.61	19.10	1.72	0.00	1.72
16.55	2.59	0.00	2.59	19.15	1.71	0.00	1.71
16.60	2.57	0.00	2.57	19.20	1.71	0.00	1.71
16.65	2.55	0.00	2.55	19.25	1.70	0.00	1.70
16.70	2.53	0.00	2.53	19.30	1.70	0.00	1.70
16.75	2.51	0.00	2.51	19.35	1.69	0.00	1.69
16.80	2.49	0.00	2.49	19.40	1.69	0.00	1.69
16.85	2.47	0.00	2.47	19.45	1.68	0.00	1.68
16.90	2.45	0.00	2.45	19.50	1.68	0.00	1.68
16.95	2.43	0.00	2.43	19.55	1.67	0.00	1.67
17.00	2.41	0.00	2.41	19.60	1.67	0.00	1.67
17.05	2.39	0.00	2.39	19.65	1.66	0.00	1.66
17.10	2.37	0.00	2.37	19.70	1.66	0.00	1.66
17.15	2.35	0.00	2.35	19.75	1.65	0.00	1.65
17.20	2.33	0.00	2.33	19.80	1.65	0.00	1.65
17.25	2.31	0.00	2.31	19.85	1.64	0.00	1.64
17.30	2.29	0.00	2.29	19.90	1.64	0.00	1.64
17.35	2.27	0.00	2.27	19.95	1.63	0.00	1.63
17.40	2.25	0.00	2.25	20.00	1.63	0.00	1.63
17.45	2.23	0.00	2.23	20.05	1.62	0.00	1.62
17.50	2.21	0.00	2.21	20.10	1.62	0.00	1.62
17.55	2.19	0.00	2.19	20.15	1.61	0.00	1.61
17.60	2.17	0.00	2.17	20.20	1.61	0.00	1.61
17.65	2.15	0.00	2.15	20.25	1.60	0.00	1.60
17.70	2.12	0.00	2.12	20.30	1.60	0.00	1.60
17.75	2.10	0.00	2.10	20.35	1.59	0.00	1.59
17.80	2.08	0.00	2.08	20.40	1.59	0.00	1.59
17.85	2.06	0.00	2.06	20.45	1.58	0.00	1.58
17.90	2.04	0.00	2.04	20.50	1.58	0.00	1.58
17.95	2.02	0.00	2.02	20.55	1.57	0.00	1.57
18.00	2.00	0.00	2.00	20.60	1.57	0.00	1.57
18.05	1.98	0.00	1.98	20.65	1.56	0.00	1.56
18.10	1.96	0.00	1.96	20.70	1.56	0.00	1.56
18.15	1.94	0.00	1.94	20.75	1.55	0.00	1.55

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.55	0.00	1.55	23.40	1.28	0.00	1.28
20.85	1.54	0.00	1.54	23.45	1.27	0.00	1.27
20.90	1.54	0.00	1.54	23.50	1.26	0.00	1.26
20.95	1.53	0.00	1.53	23.55	1.26	0.00	1.26
21.00	1.53	0.00	1.53	23.60	1.25	0.00	1.25
21.05	1.52	0.00	1.52	23.65	1.25	0.00	1.25
21.10	1.52	0.00	1.52	23.70	1.24	0.00	1.24
21.15	1.51	0.00	1.51	23.75	1.24	0.00	1.24
21.20	1.51	0.00	1.51	23.80	1.23	0.00	1.23
21.25	1.50	0.00	1.50	23.85	1.23	0.00	1.23
21.30	1.50	0.00	1.50	23.90	1.22	0.00	1.22
21.35	1.49	0.00	1.49	23.95	1.22	0.00	1.22
21.40	1.48	0.00	1.48	24.00	1.21	0.00	1.21
21.45	1.48	0.00	1.48	24.05	1.21	0.00	1.21
21.50	1.48	0.00	1.48	24.10	1.21	0.00	1.21
21.55	1.47	0.00	1.47	24.15	1.19	0.00	1.19
21.60	1.47	0.00	1.47	24.20	1.16	0.00	1.16
21.65	1.46	0.00	1.46	24.25	1.10	0.00	1.10
21.70	1.45	0.00	1.45	24.30	1.01	0.00	1.01
21.75	1.45	0.00	1.45	24.35	0.89	0.00	0.89
21.80	1.44	0.00	1.44	24.40	0.77	0.00	0.77
21.85	1.44	0.00	1.44	24.45	0.64	0.00	0.64
21.90	1.43	0.00	1.43	24.50	0.52	0.00	0.52
21.95	1.43	0.00	1.43	24.55	0.41	0.00	0.41
22.00	1.42	0.00	1.42	24.60	0.32	0.00	0.32
22.05	1.42	0.00	1.42	24.65	0.25	0.00	0.25
22.10	1.41	0.00	1.41	24.70	0.20	0.00	0.20
22.15	1.41	0.00	1.41	24.75	0.16	0.00	0.16
22.20	1.40	0.00	1.40	24.80	0.13	0.00	0.13
22.25	1.40	0.00	1.40	24.85	0.10	0.00	0.10
22.30	1.39	0.00	1.39	24.90	0.08	0.00	0.08
22.35	1.39	0.00	1.39	24.95	0.06	0.00	0.06
22.40	1.38	0.00	1.38	25.00	0.05	0.00	0.05
22.45	1.38	0.00	1.38	25.05	0.04	0.00	0.04
22.50	1.37	0.00	1.37	25.10	0.03	0.00	0.03
22.55	1.37	0.00	1.37	25.15	0.02	0.00	0.02
22.60	1.36	0.00	1.36	25.20	0.02	0.00	0.02
22.65	1.36	0.00	1.36	25.25	0.01	0.00	0.01
22.70	1.35	0.00	1.35	25.30	0.01	0.00	0.01
22.75	1.34	0.00	1.34	25.35	0.01	0.00	0.01
22.80	1.34	0.00	1.34	25.40	0.01	0.00	0.01
22.85	1.33	0.00	1.33	25.45	0.00	0.00	0.00
22.90	1.33	0.00	1.33	25.50	0.00	0.00	0.00
22.95	1.32	0.00	1.32	25.55	0.00	0.00	0.00
23.00	1.32	0.00	1.32	25.60	0.00	0.00	0.00
23.05	1.31	0.00	1.31	25.65	0.00	0.00	0.00
23.10	1.31	0.00	1.31	25.70	0.00	0.00	0.00
23.15	1.30	0.00	1.30	25.75	0.00	0.00	0.00
23.20	1.30	0.00	1.30	25.80	0.00	0.00	0.00
23.25	1.29	0.00	1.29	25.85	0.00	0.00	0.00
23.30	1.29	0.00	1.29	25.90	0.00	0.00	0.00
23.35	1.28	0.00	1.28	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

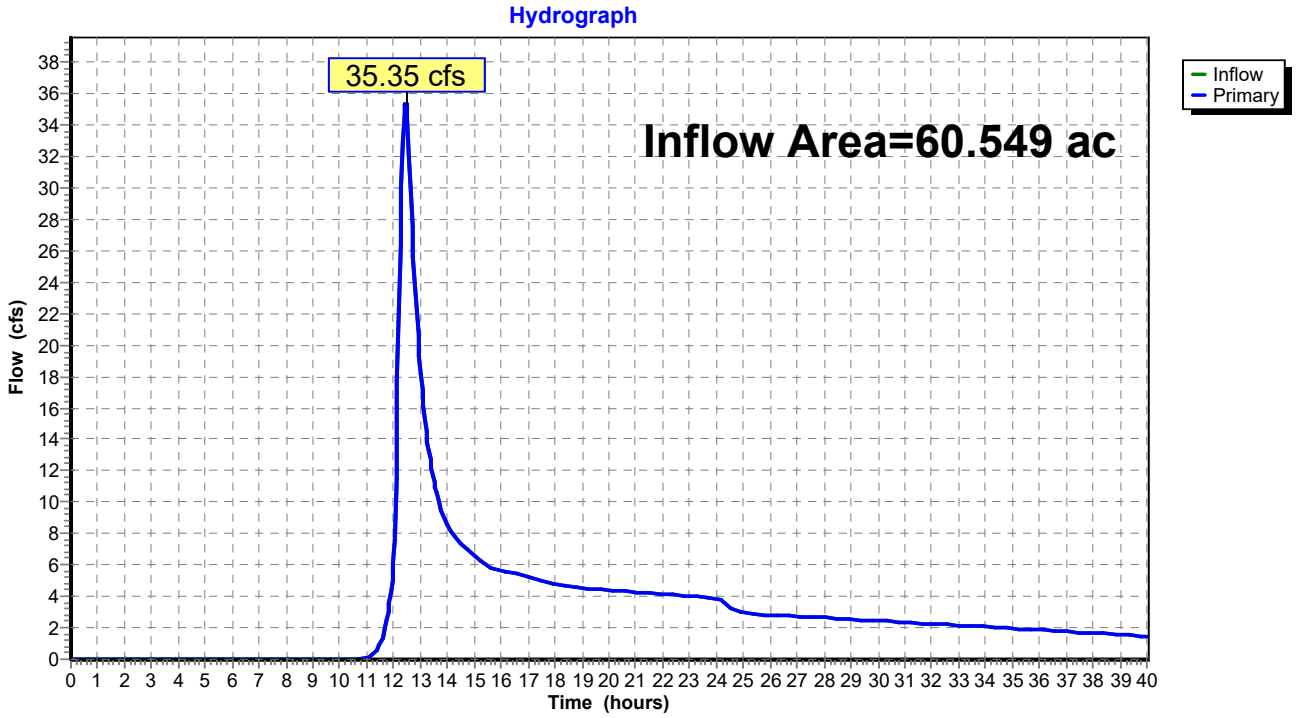
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 2.04" for Current 10 yr event
Inflow = 35.35 cfs @ 12.46 hrs, Volume= 10.293 af
Primary = 35.35 cfs @ 12.46 hrs, Volume= 10.293 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	18.14	0.00	18.14
10.45	0.00	0.00	0.00	13.05	17.07	0.00	17.07
10.50	0.00	0.00	0.00	13.10	16.12	0.00	16.12
10.55	0.00	0.00	0.00	13.15	15.29	0.00	15.29
10.60	0.00	0.00	0.00	13.20	14.55	0.00	14.55
10.65	0.00	0.00	0.00	13.25	13.88	0.00	13.88
10.70	0.00	0.00	0.00	13.30	13.28	0.00	13.28
10.75	0.00	0.00	0.00	13.35	12.73	0.00	12.73
10.80	0.00	0.00	0.00	13.40	12.21	0.00	12.21
10.85	0.01	0.00	0.01	13.45	11.74	0.00	11.74
10.90	0.01	0.00	0.01	13.50	11.31	0.00	11.31
10.95	0.02	0.00	0.02	13.55	10.92	0.00	10.92
11.00	0.04	0.00	0.04	13.60	10.54	0.00	10.54
11.05	0.07	0.00	0.07	13.65	10.20	0.00	10.20
11.10	0.10	0.00	0.10	13.70	9.89	0.00	9.89
11.15	0.15	0.00	0.15	13.75	9.59	0.00	9.59
11.20	0.21	0.00	0.21	13.80	9.31	0.00	9.31
11.25	0.29	0.00	0.29	13.85	9.05	0.00	9.05
11.30	0.39	0.00	0.39	13.90	8.83	0.00	8.83
11.35	0.52	0.00	0.52	13.95	8.63	0.00	8.63
11.40	0.66	0.00	0.66	14.00	8.45	0.00	8.45
11.45	0.83	0.00	0.83	14.05	8.29	0.00	8.29
11.50	1.03	0.00	1.03	14.10	8.15	0.00	8.15
11.55	1.25	0.00	1.25	14.15	8.03	0.00	8.03
11.60	1.52	0.00	1.52	14.20	7.91	0.00	7.91
11.65	1.82	0.00	1.82	14.25	7.81	0.00	7.81
11.70	2.15	0.00	2.15	14.30	7.71	0.00	7.71
11.75	2.55	0.00	2.55	14.35	7.62	0.00	7.62
11.80	3.02	0.00	3.02	14.40	7.53	0.00	7.53
11.85	3.58	0.00	3.58	14.45	7.45	0.00	7.45
11.90	4.24	0.00	4.24	14.50	7.37	0.00	7.37
11.95	5.07	0.00	5.07	14.55	7.29	0.00	7.29
12.00	6.14	0.00	6.14	14.60	7.22	0.00	7.22
12.05	7.57	0.00	7.57	14.65	7.14	0.00	7.14
12.10	11.52	0.00	11.52	14.70	7.06	0.00	7.06
12.15	17.77	0.00	17.77	14.75	6.99	0.00	6.99
12.20	22.49	0.00	22.49	14.80	6.91	0.00	6.91
12.25	26.42	0.00	26.42	14.85	6.84	0.00	6.84
12.30	29.99	0.00	29.99	14.90	6.76	0.00	6.76
12.35	32.92	0.00	32.92	14.95	6.69	0.00	6.69
12.40	34.65	0.00	34.65	15.00	6.61	0.00	6.61
12.45	**35.33**	0.00	**35.33**	15.05	6.54	0.00	6.54
12.50	35.04	0.00	35.04	15.10	6.46	0.00	6.46
12.55	33.83	0.00	33.83	15.15	6.39	0.00	6.39
12.60	31.94	0.00	31.94	15.20	6.32	0.00	6.32
12.65	29.77	0.00	29.77	15.25	6.25	0.00	6.25
12.70	27.57	0.00	27.57	15.30	6.18	0.00	6.18
12.75	25.60	0.00	25.60	15.35	6.11	0.00	6.11
12.80	23.81	0.00	23.81	15.40	6.05	0.00	6.05
12.85	22.17	0.00	22.17	15.45	6.00	0.00	6.00
12.90	20.67	0.00	20.67	15.50	5.95	0.00	5.95
12.95	19.33	0.00	19.33	15.55	5.91	0.00	5.91

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.87	0.00	5.87	18.20	4.71	0.00	4.71
15.65	5.83	0.00	5.83	18.25	4.69	0.00	4.69
15.70	5.80	0.00	5.80	18.30	4.67	0.00	4.67
15.75	5.77	0.00	5.77	18.35	4.65	0.00	4.65
15.80	5.74	0.00	5.74	18.40	4.63	0.00	4.63
15.85	5.71	0.00	5.71	18.45	4.62	0.00	4.62
15.90	5.69	0.00	5.69	18.50	4.60	0.00	4.60
15.95	5.67	0.00	5.67	18.55	4.59	0.00	4.59
16.00	5.64	0.00	5.64	18.60	4.57	0.00	4.57
16.05	5.62	0.00	5.62	18.65	4.56	0.00	4.56
16.10	5.60	0.00	5.60	18.70	4.55	0.00	4.55
16.15	5.58	0.00	5.58	18.75	4.54	0.00	4.54
16.20	5.56	0.00	5.56	18.80	4.53	0.00	4.53
16.25	5.54	0.00	5.54	18.85	4.52	0.00	4.52
16.30	5.52	0.00	5.52	18.90	4.52	0.00	4.52
16.35	5.50	0.00	5.50	18.95	4.51	0.00	4.51
16.40	5.48	0.00	5.48	19.00	4.50	0.00	4.50
16.45	5.46	0.00	5.46	19.05	4.49	0.00	4.49
16.50	5.44	0.00	5.44	19.10	4.49	0.00	4.49
16.55	5.42	0.00	5.42	19.15	4.48	0.00	4.48
16.60	5.40	0.00	5.40	19.20	4.47	0.00	4.47
16.65	5.38	0.00	5.38	19.25	4.47	0.00	4.47
16.70	5.36	0.00	5.36	19.30	4.46	0.00	4.46
16.75	5.34	0.00	5.34	19.35	4.45	0.00	4.45
16.80	5.32	0.00	5.32	19.40	4.45	0.00	4.45
16.85	5.30	0.00	5.30	19.45	4.44	0.00	4.44
16.90	5.27	0.00	5.27	19.50	4.43	0.00	4.43
16.95	5.25	0.00	5.25	19.55	4.43	0.00	4.43
17.00	5.23	0.00	5.23	19.60	4.42	0.00	4.42
17.05	5.21	0.00	5.21	19.65	4.42	0.00	4.42
17.10	5.19	0.00	5.19	19.70	4.41	0.00	4.41
17.15	5.17	0.00	5.17	19.75	4.41	0.00	4.41
17.20	5.15	0.00	5.15	19.80	4.40	0.00	4.40
17.25	5.13	0.00	5.13	19.85	4.40	0.00	4.40
17.30	5.11	0.00	5.11	19.90	4.39	0.00	4.39
17.35	5.09	0.00	5.09	19.95	4.39	0.00	4.39
17.40	5.06	0.00	5.06	20.00	4.38	0.00	4.38
17.45	5.04	0.00	5.04	20.05	4.38	0.00	4.38
17.50	5.02	0.00	5.02	20.10	4.37	0.00	4.37
17.55	5.00	0.00	5.00	20.15	4.36	0.00	4.36
17.60	4.98	0.00	4.98	20.20	4.36	0.00	4.36
17.65	4.96	0.00	4.96	20.25	4.35	0.00	4.35
17.70	4.93	0.00	4.93	20.30	4.35	0.00	4.35
17.75	4.91	0.00	4.91	20.35	4.34	0.00	4.34
17.80	4.89	0.00	4.89	20.40	4.33	0.00	4.33
17.85	4.87	0.00	4.87	20.45	4.33	0.00	4.33
17.90	4.85	0.00	4.85	20.50	4.32	0.00	4.32
17.95	4.82	0.00	4.82	20.55	4.32	0.00	4.32
18.00	4.80	0.00	4.80	20.60	4.31	0.00	4.31
18.05	4.78	0.00	4.78	20.65	4.31	0.00	4.31
18.10	4.76	0.00	4.76	20.70	4.30	0.00	4.30
18.15	4.73	0.00	4.73	20.75	4.29	0.00	4.29

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.29	0.00	4.29	23.40	3.98	0.00	3.98
20.85	4.28	0.00	4.28	23.45	3.97	0.00	3.97
20.90	4.28	0.00	4.28	23.50	3.97	0.00	3.97
20.95	4.27	0.00	4.27	23.55	3.96	0.00	3.96
21.00	4.27	0.00	4.27	23.60	3.95	0.00	3.95
21.05	4.26	0.00	4.26	23.65	3.95	0.00	3.95
21.10	4.25	0.00	4.25	23.70	3.94	0.00	3.94
21.15	4.25	0.00	4.25	23.75	3.94	0.00	3.94
21.20	4.24	0.00	4.24	23.80	3.93	0.00	3.93
21.25	4.24	0.00	4.24	23.85	3.92	0.00	3.92
21.30	4.23	0.00	4.23	23.90	3.92	0.00	3.92
21.35	4.22	0.00	4.22	23.95	3.91	0.00	3.91
21.40	4.22	0.00	4.22	24.00	3.91	0.00	3.91
21.45	4.21	0.00	4.21	24.05	3.90	0.00	3.90
21.50	4.21	0.00	4.21	24.10	3.90	0.00	3.90
21.55	4.20	0.00	4.20	24.15	3.88	0.00	3.88
21.60	4.20	0.00	4.20	24.20	3.85	0.00	3.85
21.65	4.19	0.00	4.19	24.25	3.81	0.00	3.81
21.70	4.18	0.00	4.18	24.30	3.73	0.00	3.73
21.75	4.18	0.00	4.18	24.35	3.64	0.00	3.64
21.80	4.17	0.00	4.17	24.40	3.54	0.00	3.54
21.85	4.16	0.00	4.16	24.45	3.44	0.00	3.44
21.90	4.16	0.00	4.16	24.50	3.35	0.00	3.35
21.95	4.15	0.00	4.15	24.55	3.26	0.00	3.26
22.00	4.15	0.00	4.15	24.60	3.19	0.00	3.19
22.05	4.14	0.00	4.14	24.65	3.13	0.00	3.13
22.10	4.13	0.00	4.13	24.70	3.09	0.00	3.09
22.15	4.13	0.00	4.13	24.75	3.05	0.00	3.05
22.20	4.12	0.00	4.12	24.80	3.02	0.00	3.02
22.25	4.12	0.00	4.12	24.85	3.00	0.00	3.00
22.30	4.11	0.00	4.11	24.90	2.98	0.00	2.98
22.35	4.10	0.00	4.10	24.95	2.96	0.00	2.96
22.40	4.10	0.00	4.10	25.00	2.95	0.00	2.95
22.45	4.09	0.00	4.09	25.05	2.94	0.00	2.94
22.50	4.09	0.00	4.09	25.10	2.92	0.00	2.92
22.55	4.08	0.00	4.08	25.15	2.92	0.00	2.92
22.60	4.07	0.00	4.07	25.20	2.91	0.00	2.91
22.65	4.07	0.00	4.07	25.25	2.90	0.00	2.90
22.70	4.06	0.00	4.06	25.30	2.89	0.00	2.89
22.75	4.06	0.00	4.06	25.35	2.88	0.00	2.88
22.80	4.05	0.00	4.05	25.40	2.88	0.00	2.88
22.85	4.05	0.00	4.05	25.45	2.87	0.00	2.87
22.90	4.04	0.00	4.04	25.50	2.87	0.00	2.87
22.95	4.03	0.00	4.03	25.55	2.86	0.00	2.86
23.00	4.03	0.00	4.03	25.60	2.86	0.00	2.86
23.05	4.02	0.00	4.02	25.65	2.85	0.00	2.85
23.10	4.01	0.00	4.01	25.70	2.85	0.00	2.85
23.15	4.01	0.00	4.01	25.75	2.84	0.00	2.84
23.20	4.00	0.00	4.00	25.80	2.84	0.00	2.84
23.25	4.00	0.00	4.00	25.85	2.83	0.00	2.83
23.30	3.99	0.00	3.99	25.90	2.83	0.00	2.83
23.35	3.99	0.00	3.99	25.95	2.82	0.00	2.82

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	2.82	0.00	2.82	28.60	2.57	0.00	2.57
26.05	2.81	0.00	2.81	28.65	2.57	0.00	2.57
26.10	2.81	0.00	2.81	28.70	2.56	0.00	2.56
26.15	2.80	0.00	2.80	28.75	2.56	0.00	2.56
26.20	2.80	0.00	2.80	28.80	2.55	0.00	2.55
26.25	2.79	0.00	2.79	28.85	2.55	0.00	2.55
26.30	2.79	0.00	2.79	28.90	2.54	0.00	2.54
26.35	2.79	0.00	2.79	28.95	2.54	0.00	2.54
26.40	2.78	0.00	2.78	29.00	2.53	0.00	2.53
26.45	2.78	0.00	2.78	29.05	2.53	0.00	2.53
26.50	2.77	0.00	2.77	29.10	2.53	0.00	2.53
26.55	2.77	0.00	2.77	29.15	2.52	0.00	2.52
26.60	2.76	0.00	2.76	29.20	2.52	0.00	2.52
26.65	2.76	0.00	2.76	29.25	2.51	0.00	2.51
26.70	2.75	0.00	2.75	29.30	2.51	0.00	2.51
26.75	2.75	0.00	2.75	29.35	2.50	0.00	2.50
26.80	2.74	0.00	2.74	29.40	2.50	0.00	2.50
26.85	2.74	0.00	2.74	29.45	2.49	0.00	2.49
26.90	2.73	0.00	2.73	29.50	2.49	0.00	2.49
26.95	2.73	0.00	2.73	29.55	2.48	0.00	2.48
27.00	2.72	0.00	2.72	29.60	2.48	0.00	2.48
27.05	2.72	0.00	2.72	29.65	2.47	0.00	2.47
27.10	2.71	0.00	2.71	29.70	2.47	0.00	2.47
27.15	2.71	0.00	2.71	29.75	2.46	0.00	2.46
27.20	2.71	0.00	2.71	29.80	2.46	0.00	2.46
27.25	2.70	0.00	2.70	29.85	2.45	0.00	2.45
27.30	2.70	0.00	2.70	29.90	2.45	0.00	2.45
27.35	2.69	0.00	2.69	29.95	2.44	0.00	2.44
27.40	2.69	0.00	2.69	30.00	2.44	0.00	2.44
27.45	2.68	0.00	2.68	30.05	2.44	0.00	2.44
27.50	2.68	0.00	2.68	30.10	2.43	0.00	2.43
27.55	2.67	0.00	2.67	30.15	2.43	0.00	2.43
27.60	2.67	0.00	2.67	30.20	2.42	0.00	2.42
27.65	2.66	0.00	2.66	30.25	2.42	0.00	2.42
27.70	2.66	0.00	2.66	30.30	2.41	0.00	2.41
27.75	2.65	0.00	2.65	30.35	2.41	0.00	2.41
27.80	2.65	0.00	2.65	30.40	2.40	0.00	2.40
27.85	2.64	0.00	2.64	30.45	2.40	0.00	2.40
27.90	2.64	0.00	2.64	30.50	2.39	0.00	2.39
27.95	2.63	0.00	2.63	30.55	2.39	0.00	2.39
28.00	2.63	0.00	2.63	30.60	2.38	0.00	2.38
28.05	2.62	0.00	2.62	30.65	2.38	0.00	2.38
28.10	2.62	0.00	2.62	30.70	2.37	0.00	2.37
28.15	2.62	0.00	2.62	30.75	2.37	0.00	2.37
28.20	2.61	0.00	2.61	30.80	2.36	0.00	2.36
28.25	2.61	0.00	2.61	30.85	2.36	0.00	2.36
28.30	2.60	0.00	2.60	30.90	2.35	0.00	2.35
28.35	2.60	0.00	2.60	30.95	2.35	0.00	2.35
28.40	2.59	0.00	2.59	31.00	2.34	0.00	2.34
28.45	2.59	0.00	2.59	31.05	2.34	0.00	2.34
28.50	2.58	0.00	2.58	31.10	2.33	0.00	2.33
28.55	2.58	0.00	2.58	31.15	2.33	0.00	2.33

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	2.33	0.00	2.33	33.80	2.08	0.00	2.08
31.25	2.32	0.00	2.32	33.85	2.07	0.00	2.07
31.30	2.32	0.00	2.32	33.90	2.07	0.00	2.07
31.35	2.31	0.00	2.31	33.95	2.06	0.00	2.06
31.40	2.31	0.00	2.31	34.00	2.06	0.00	2.06
31.45	2.30	0.00	2.30	34.05	2.05	0.00	2.05
31.50	2.30	0.00	2.30	34.10	2.05	0.00	2.05
31.55	2.29	0.00	2.29	34.15	2.04	0.00	2.04
31.60	2.29	0.00	2.29	34.20	2.04	0.00	2.04
31.65	2.28	0.00	2.28	34.25	2.03	0.00	2.03
31.70	2.28	0.00	2.28	34.30	2.03	0.00	2.03
31.75	2.27	0.00	2.27	34.35	2.02	0.00	2.02
31.80	2.27	0.00	2.27	34.40	2.02	0.00	2.02
31.85	2.26	0.00	2.26	34.45	2.01	0.00	2.01
31.90	2.26	0.00	2.26	34.50	2.01	0.00	2.01
31.95	2.25	0.00	2.25	34.55	2.00	0.00	2.00
32.00	2.25	0.00	2.25	34.60	2.00	0.00	2.00
32.05	2.24	0.00	2.24	34.65	1.99	0.00	1.99
32.10	2.24	0.00	2.24	34.70	1.99	0.00	1.99
32.15	2.23	0.00	2.23	34.75	1.98	0.00	1.98
32.20	2.23	0.00	2.23	34.80	1.98	0.00	1.98
32.25	2.23	0.00	2.23	34.85	1.98	0.00	1.98
32.30	2.22	0.00	2.22	34.90	1.97	0.00	1.97
32.35	2.22	0.00	2.22	34.95	1.97	0.00	1.97
32.40	2.21	0.00	2.21	35.00	1.96	0.00	1.96
32.45	2.21	0.00	2.21	35.05	1.96	0.00	1.96
32.50	2.20	0.00	2.20	35.10	1.95	0.00	1.95
32.55	2.20	0.00	2.20	35.15	1.95	0.00	1.95
32.60	2.19	0.00	2.19	35.20	1.94	0.00	1.94
32.65	2.19	0.00	2.19	35.25	1.94	0.00	1.94
32.70	2.18	0.00	2.18	35.30	1.93	0.00	1.93
32.75	2.18	0.00	2.18	35.35	1.93	0.00	1.93
32.80	2.17	0.00	2.17	35.40	1.92	0.00	1.92
32.85	2.17	0.00	2.17	35.45	1.92	0.00	1.92
32.90	2.16	0.00	2.16	35.50	1.91	0.00	1.91
32.95	2.16	0.00	2.16	35.55	1.91	0.00	1.91
33.00	2.15	0.00	2.15	35.60	1.90	0.00	1.90
33.05	2.15	0.00	2.15	35.65	1.90	0.00	1.90
33.10	2.14	0.00	2.14	35.70	1.89	0.00	1.89
33.15	2.14	0.00	2.14	35.75	1.89	0.00	1.89
33.20	2.13	0.00	2.13	35.80	1.88	0.00	1.88
33.25	2.13	0.00	2.13	35.85	1.88	0.00	1.88
33.30	2.12	0.00	2.12	35.90	1.87	0.00	1.87
33.35	2.12	0.00	2.12	35.95	1.87	0.00	1.87
33.40	2.11	0.00	2.11	36.00	1.86	0.00	1.86
33.45	2.11	0.00	2.11	36.05	1.86	0.00	1.86
33.50	2.11	0.00	2.11	36.10	1.85	0.00	1.85
33.55	2.10	0.00	2.10	36.15	1.85	0.00	1.85
33.60	2.10	0.00	2.10	36.20	1.84	0.00	1.84
33.65	2.09	0.00	2.09	36.25	1.84	0.00	1.84
33.70	2.09	0.00	2.09	36.30	1.83	0.00	1.83
33.75	2.08	0.00	2.08	36.35	1.83	0.00	1.83

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	1.83	0.00	1.83
36.45	1.82	0.00	1.82
36.50	1.82	0.00	1.82
36.55	1.81	0.00	1.81
36.60	1.81	0.00	1.81
36.65	1.80	0.00	1.80
36.70	1.80	0.00	1.80
36.75	1.79	0.00	1.79
36.80	1.79	0.00	1.79
36.85	1.78	0.00	1.78
36.90	1.78	0.00	1.78
36.95	1.77	0.00	1.77
37.00	1.77	0.00	1.77
37.05	1.76	0.00	1.76
37.10	1.76	0.00	1.76
37.15	1.75	0.00	1.75
37.20	1.75	0.00	1.75
37.25	1.74	0.00	1.74
37.30	1.74	0.00	1.74
37.35	1.73	0.00	1.73
37.40	1.73	0.00	1.73
37.45	1.72	0.00	1.72
37.50	1.72	0.00	1.72
37.55	1.71	0.00	1.71
37.60	1.71	0.00	1.71
37.65	1.70	0.00	1.70
37.70	1.70	0.00	1.70
37.75	1.69	0.00	1.69
37.80	1.69	0.00	1.69
37.85	1.68	0.00	1.68
37.90	1.68	0.00	1.68
37.95	1.67	0.00	1.67
38.00	1.67	0.00	1.67
38.05	1.67	0.00	1.67
38.10	1.66	0.00	1.66
38.15	1.66	0.00	1.66
38.20	1.65	0.00	1.65
38.25	1.65	0.00	1.65
38.30	1.64	0.00	1.64
38.35	1.64	0.00	1.64
38.40	1.63	0.00	1.63
38.45	1.63	0.00	1.63
38.50	1.62	0.00	1.62
38.55	1.62	0.00	1.62
38.60	1.61	0.00	1.61
38.65	1.61	0.00	1.61
38.70	1.60	0.00	1.60
38.75	1.60	0.00	1.60
38.80	1.59	0.00	1.59
38.85	1.59	0.00	1.59
38.90	1.58	0.00	1.58
38.95	1.58	0.00	1.58
39.00	1.57	0.00	1.57
39.05	1.57	0.00	1.57
39.10	1.57	0.00	1.57
39.15	1.56	0.00	1.56
39.20	1.56	0.00	1.56
39.25	1.55	0.00	1.55
39.30	1.55	0.00	1.55
39.35	1.54	0.00	1.54
39.40	1.54	0.00	1.54
39.45	1.53	0.00	1.53
39.50	1.53	0.00	1.53
39.55	1.52	0.00	1.52
39.60	1.52	0.00	1.52
39.65	1.51	0.00	1.51
39.70	1.51	0.00	1.51
39.75	1.51	0.00	1.51
39.80	1.50	0.00	1.50
39.85	1.50	0.00	1.50
39.90	1.49	0.00	1.49
39.95	1.49	0.00	1.49
40.00	1.48	0.00	1.48

Summary for Subcatchment 1I: PDA-1 (impervious)

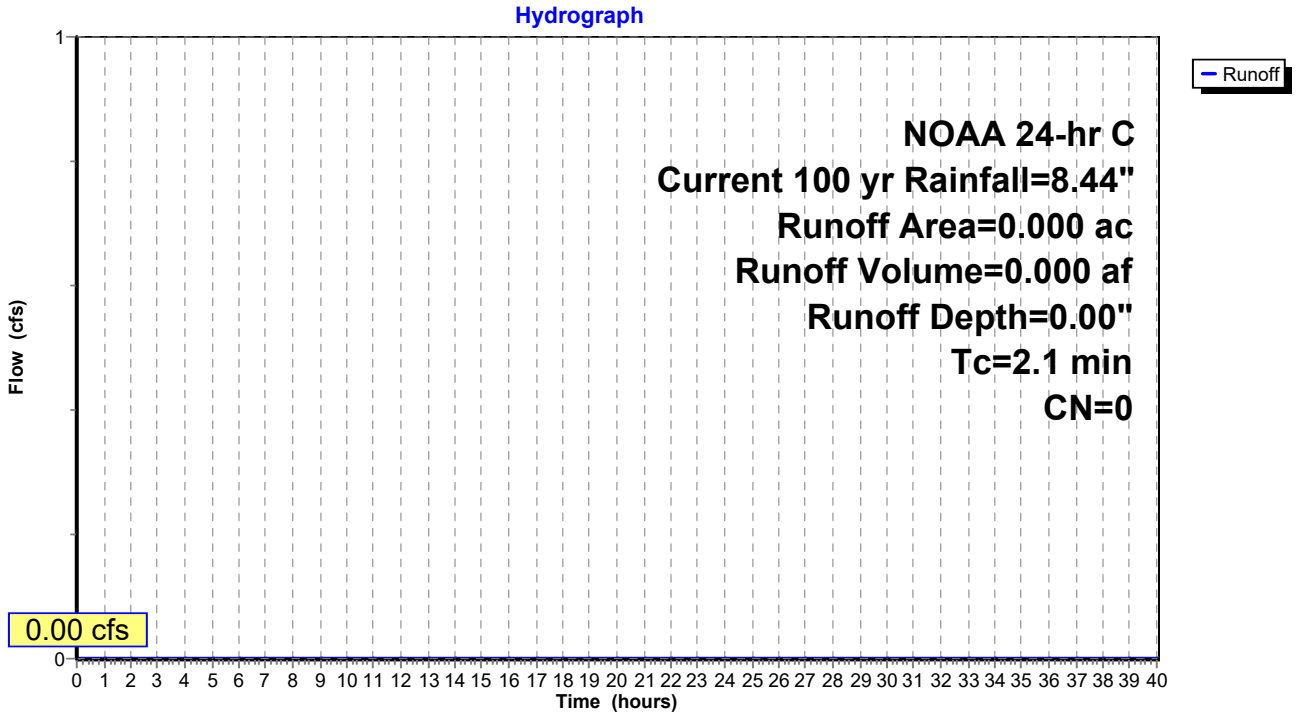
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.00
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.00
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.00
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.00
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.00
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.00
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.00
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.00
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.00
6.45	0.73	0.00	0.00	9.05	1.25	0.00	0.00
6.50	0.74	0.00	0.00	9.10	1.26	0.00	0.00
6.55	0.75	0.00	0.00	9.15	1.27	0.00	0.00
6.60	0.76	0.00	0.00	9.20	1.28	0.00	0.00
6.65	0.77	0.00	0.00	9.25	1.30	0.00	0.00
6.70	0.77	0.00	0.00	9.30	1.31	0.00	0.00
6.75	0.78	0.00	0.00	9.35	1.33	0.00	0.00
6.80	0.79	0.00	0.00	9.40	1.34	0.00	0.00
6.85	0.80	0.00	0.00	9.45	1.35	0.00	0.00
6.90	0.81	0.00	0.00	9.50	1.37	0.00	0.00
6.95	0.81	0.00	0.00	9.55	1.39	0.00	0.00
7.00	0.82	0.00	0.00	9.60	1.40	0.00	0.00
7.05	0.83	0.00	0.00	9.65	1.42	0.00	0.00
7.10	0.84	0.00	0.00	9.70	1.43	0.00	0.00
7.15	0.85	0.00	0.00	9.75	1.45	0.00	0.00
7.20	0.86	0.00	0.00	9.80	1.47	0.00	0.00
7.25	0.87	0.00	0.00	9.85	1.49	0.00	0.00
7.30	0.88	0.00	0.00	9.90	1.50	0.00	0.00
7.35	0.89	0.00	0.00	9.95	1.52	0.00	0.00
7.40	0.89	0.00	0.00	10.00	1.54	0.00	0.00
7.45	0.90	0.00	0.00	10.05	1.56	0.00	0.00
7.50	0.91	0.00	0.00	10.10	1.58	0.00	0.00
7.55	0.92	0.00	0.00	10.15	1.60	0.00	0.00
7.60	0.93	0.00	0.00	10.20	1.62	0.00	0.00
7.65	0.94	0.00	0.00	10.25	1.64	0.00	0.00
7.70	0.95	0.00	0.00	10.30	1.66	0.00	0.00
7.75	0.96	0.00	0.00	10.35	1.68	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.00	0.00	13.00	6.41	0.00	0.00
10.45	1.72	0.00	0.00	13.05	6.45	0.00	0.00
10.50	1.74	0.00	0.00	13.10	6.48	0.00	0.00
10.55	1.76	0.00	0.00	13.15	6.51	0.00	0.00
10.60	1.79	0.00	0.00	13.20	6.54	0.00	0.00
10.65	1.81	0.00	0.00	13.25	6.57	0.00	0.00
10.70	1.84	0.00	0.00	13.30	6.60	0.00	0.00
10.75	1.87	0.00	0.00	13.35	6.63	0.00	0.00
10.80	1.90	0.00	0.00	13.40	6.65	0.00	0.00
10.85	1.93	0.00	0.00	13.45	6.68	0.00	0.00
10.90	1.96	0.00	0.00	13.50	6.70	0.00	0.00
10.95	1.99	0.00	0.00	13.55	6.72	0.00	0.00
11.00	2.03	0.00	0.00	13.60	6.74	0.00	0.00
11.05	2.06	0.00	0.00	13.65	6.76	0.00	0.00
11.10	2.10	0.00	0.00	13.70	6.78	0.00	0.00
11.15	2.14	0.00	0.00	13.75	6.80	0.00	0.00
11.20	2.19	0.00	0.00	13.80	6.82	0.00	0.00
11.25	2.23	0.00	0.00	13.85	6.84	0.00	0.00
11.30	2.28	0.00	0.00	13.90	6.86	0.00	0.00
11.35	2.33	0.00	0.00	13.95	6.88	0.00	0.00
11.40	2.38	0.00	0.00	14.00	6.90	0.00	0.00
11.45	2.44	0.00	0.00	14.05	6.92	0.00	0.00
11.50	2.49	0.00	0.00	14.10	6.94	0.00	0.00
11.55	2.58	0.00	0.00	14.15	6.95	0.00	0.00
11.60	2.66	0.00	0.00	14.20	6.97	0.00	0.00
11.65	2.75	0.00	0.00	14.25	6.99	0.00	0.00
11.70	2.84	0.00	0.00	14.30	7.01	0.00	0.00
11.75	2.97	0.00	0.00	14.35	7.02	0.00	0.00
11.80	3.09	0.00	0.00	14.40	7.04	0.00	0.00
11.85	3.26	0.00	0.00	14.45	7.05	0.00	0.00
11.90	3.43	0.00	0.00	14.50	7.07	0.00	0.00
11.95	3.73	0.00	0.00	14.55	7.09	0.00	0.00
12.00	4.02	0.00	0.00	14.60	7.10	0.00	0.00
12.05	4.52	0.00	0.00	14.65	7.11	0.00	0.00
12.10	5.01	0.00	0.00	14.70	7.13	0.00	0.00
12.15	5.18	0.00	0.00	14.75	7.14	0.00	0.00
12.20	5.35	0.00	0.00	14.80	7.16	0.00	0.00
12.25	5.47	0.00	0.00	14.85	7.17	0.00	0.00
12.30	5.60	0.00	0.00	14.90	7.18	0.00	0.00
12.35	5.69	0.00	0.00	14.95	7.19	0.00	0.00
12.40	5.78	0.00	0.00	15.00	7.21	0.00	0.00
12.45	5.86	0.00	0.00	15.05	7.22	0.00	0.00
12.50	5.95	0.00	0.00	15.10	7.23	0.00	0.00
12.55	6.00	0.00	0.00	15.15	7.24	0.00	0.00
12.60	6.06	0.00	0.00	15.20	7.25	0.00	0.00
12.65	6.11	0.00	0.00	15.25	7.27	0.00	0.00
12.70	6.16	0.00	0.00	15.30	7.28	0.00	0.00
12.75	6.21	0.00	0.00	15.35	7.29	0.00	0.00
12.80	6.25	0.00	0.00	15.40	7.30	0.00	0.00
12.85	6.30	0.00	0.00	15.45	7.31	0.00	0.00
12.90	6.34	0.00	0.00	15.50	7.32	0.00	0.00
12.95	6.38	0.00	0.00	15.55	7.33	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	0.00	0.00	18.20	7.80	0.00	0.00
15.65	7.36	0.00	0.00	18.25	7.80	0.00	0.00
15.70	7.37	0.00	0.00	18.30	7.81	0.00	0.00
15.75	7.38	0.00	0.00	18.35	7.82	0.00	0.00
15.80	7.39	0.00	0.00	18.40	7.82	0.00	0.00
15.85	7.40	0.00	0.00	18.45	7.83	0.00	0.00
15.90	7.41	0.00	0.00	18.50	7.84	0.00	0.00
15.95	7.42	0.00	0.00	18.55	7.84	0.00	0.00
16.00	7.43	0.00	0.00	18.60	7.85	0.00	0.00
16.05	7.44	0.00	0.00	18.65	7.86	0.00	0.00
16.10	7.45	0.00	0.00	18.70	7.86	0.00	0.00
16.15	7.46	0.00	0.00	18.75	7.87	0.00	0.00
16.20	7.47	0.00	0.00	18.80	7.88	0.00	0.00
16.25	7.48	0.00	0.00	18.85	7.88	0.00	0.00
16.30	7.49	0.00	0.00	18.90	7.89	0.00	0.00
16.35	7.50	0.00	0.00	18.95	7.90	0.00	0.00
16.40	7.51	0.00	0.00	19.00	7.90	0.00	0.00
16.45	7.52	0.00	0.00	19.05	7.91	0.00	0.00
16.50	7.53	0.00	0.00	19.10	7.92	0.00	0.00
16.55	7.54	0.00	0.00	19.15	7.92	0.00	0.00
16.60	7.55	0.00	0.00	19.20	7.93	0.00	0.00
16.65	7.55	0.00	0.00	19.25	7.93	0.00	0.00
16.70	7.56	0.00	0.00	19.30	7.94	0.00	0.00
16.75	7.57	0.00	0.00	19.35	7.95	0.00	0.00
16.80	7.58	0.00	0.00	19.40	7.95	0.00	0.00
16.85	7.59	0.00	0.00	19.45	7.96	0.00	0.00
16.90	7.60	0.00	0.00	19.50	7.97	0.00	0.00
16.95	7.61	0.00	0.00	19.55	7.97	0.00	0.00
17.00	7.62	0.00	0.00	19.60	7.98	0.00	0.00
17.05	7.63	0.00	0.00	19.65	7.98	0.00	0.00
17.10	7.63	0.00	0.00	19.70	7.99	0.00	0.00
17.15	7.64	0.00	0.00	19.75	8.00	0.00	0.00
17.20	7.65	0.00	0.00	19.80	8.00	0.00	0.00
17.25	7.66	0.00	0.00	19.85	8.01	0.00	0.00
17.30	7.67	0.00	0.00	19.90	8.01	0.00	0.00
17.35	7.67	0.00	0.00	19.95	8.02	0.00	0.00
17.40	7.68	0.00	0.00	20.00	8.03	0.00	0.00
17.45	7.69	0.00	0.00	20.05	8.03	0.00	0.00
17.50	7.70	0.00	0.00	20.10	8.04	0.00	0.00
17.55	7.71	0.00	0.00	20.15	8.04	0.00	0.00
17.60	7.71	0.00	0.00	20.20	8.05	0.00	0.00
17.65	7.72	0.00	0.00	20.25	8.06	0.00	0.00
17.70	7.73	0.00	0.00	20.30	8.06	0.00	0.00
17.75	7.74	0.00	0.00	20.35	8.07	0.00	0.00
17.80	7.74	0.00	0.00	20.40	8.07	0.00	0.00
17.85	7.75	0.00	0.00	20.45	8.08	0.00	0.00
17.90	7.76	0.00	0.00	20.50	8.09	0.00	0.00
17.95	7.76	0.00	0.00	20.55	8.09	0.00	0.00
18.00	7.77	0.00	0.00	20.60	8.10	0.00	0.00
18.05	7.78	0.00	0.00	20.65	8.10	0.00	0.00
18.10	7.78	0.00	0.00	20.70	8.11	0.00	0.00
18.15	7.79	0.00	0.00	20.75	8.11	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	0.00	0.00	23.40	8.38	0.00	0.00
20.85	8.13	0.00	0.00	23.45	8.39	0.00	0.00
20.90	8.13	0.00	0.00	23.50	8.39	0.00	0.00
20.95	8.14	0.00	0.00	23.55	8.40	0.00	0.00
21.00	8.14	0.00	0.00	23.60	8.40	0.00	0.00
21.05	8.15	0.00	0.00	23.65	8.41	0.00	0.00
21.10	8.15	0.00	0.00	23.70	8.41	0.00	0.00
21.15	8.16	0.00	0.00	23.75	8.42	0.00	0.00
21.20	8.16	0.00	0.00	23.80	8.42	0.00	0.00
21.25	8.17	0.00	0.00	23.85	8.42	0.00	0.00
21.30	8.18	0.00	0.00	23.90	8.43	0.00	0.00
21.35	8.18	0.00	0.00	23.95	8.43	0.00	0.00
21.40	8.19	0.00	0.00	24.00	**8.44**	0.00	0.00
21.45	8.19	0.00	0.00	24.05	8.44	0.00	0.00
21.50	8.20	0.00	0.00	24.10	8.44	0.00	0.00
21.55	8.20	0.00	0.00	24.15	8.44	0.00	0.00
21.60	8.21	0.00	0.00	24.20	8.44	0.00	0.00
21.65	8.21	0.00	0.00	24.25	8.44	0.00	0.00
21.70	8.22	0.00	0.00	24.30	8.44	0.00	0.00
21.75	8.22	0.00	0.00	24.35	8.44	0.00	0.00
21.80	8.23	0.00	0.00	24.40	8.44	0.00	0.00
21.85	8.23	0.00	0.00	24.45	8.44	0.00	0.00
21.90	8.24	0.00	0.00	24.50	8.44	0.00	0.00
21.95	8.24	0.00	0.00	24.55	8.44	0.00	0.00
22.00	8.25	0.00	0.00	24.60	8.44	0.00	0.00
22.05	8.25	0.00	0.00	24.65	8.44	0.00	0.00
22.10	8.26	0.00	0.00	24.70	8.44	0.00	0.00
22.15	8.26	0.00	0.00	24.75	8.44	0.00	0.00
22.20	8.27	0.00	0.00	24.80	8.44	0.00	0.00
22.25	8.27	0.00	0.00	24.85	8.44	0.00	0.00
22.30	8.28	0.00	0.00	24.90	8.44	0.00	0.00
22.35	8.28	0.00	0.00	24.95	8.44	0.00	0.00
22.40	8.29	0.00	0.00	25.00	8.44	0.00	0.00
22.45	8.29	0.00	0.00	25.05	8.44	0.00	0.00
22.50	8.30	0.00	0.00	25.10	8.44	0.00	0.00
22.55	8.30	0.00	0.00	25.15	8.44	0.00	0.00
22.60	8.31	0.00	0.00	25.20	8.44	0.00	0.00
22.65	8.31	0.00	0.00	25.25	8.44	0.00	0.00
22.70	8.32	0.00	0.00	25.30	8.44	0.00	0.00
22.75	8.32	0.00	0.00	25.35	8.44	0.00	0.00
22.80	8.33	0.00	0.00	25.40	8.44	0.00	0.00
22.85	8.33	0.00	0.00	25.45	8.44	0.00	0.00
22.90	8.34	0.00	0.00	25.50	8.44	0.00	0.00
22.95	8.34	0.00	0.00	25.55	8.44	0.00	0.00
23.00	8.35	0.00	0.00	25.60	8.44	0.00	0.00
23.05	8.35	0.00	0.00	25.65	8.44	0.00	0.00
23.10	8.36	0.00	0.00	25.70	8.44	0.00	0.00
23.15	8.36	0.00	0.00	25.75	8.44	0.00	0.00
23.20	8.37	0.00	0.00	25.80	8.44	0.00	0.00
23.25	8.37	0.00	0.00	25.85	8.44	0.00	0.00
23.30	8.38	0.00	0.00	25.90	8.44	0.00	0.00
23.35	8.38	0.00	0.00	25.95	8.44	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	0.00	0.00	28.60	8.44	0.00	0.00
26.05	8.44	0.00	0.00	28.65	8.44	0.00	0.00
26.10	8.44	0.00	0.00	28.70	8.44	0.00	0.00
26.15	8.44	0.00	0.00	28.75	8.44	0.00	0.00
26.20	8.44	0.00	0.00	28.80	8.44	0.00	0.00
26.25	8.44	0.00	0.00	28.85	8.44	0.00	0.00
26.30	8.44	0.00	0.00	28.90	8.44	0.00	0.00
26.35	8.44	0.00	0.00	28.95	8.44	0.00	0.00
26.40	8.44	0.00	0.00	29.00	8.44	0.00	0.00
26.45	8.44	0.00	0.00	29.05	8.44	0.00	0.00
26.50	8.44	0.00	0.00	29.10	8.44	0.00	0.00
26.55	8.44	0.00	0.00	29.15	8.44	0.00	0.00
26.60	8.44	0.00	0.00	29.20	8.44	0.00	0.00
26.65	8.44	0.00	0.00	29.25	8.44	0.00	0.00
26.70	8.44	0.00	0.00	29.30	8.44	0.00	0.00
26.75	8.44	0.00	0.00	29.35	8.44	0.00	0.00
26.80	8.44	0.00	0.00	29.40	8.44	0.00	0.00
26.85	8.44	0.00	0.00	29.45	8.44	0.00	0.00
26.90	8.44	0.00	0.00	29.50	8.44	0.00	0.00
26.95	8.44	0.00	0.00	29.55	8.44	0.00	0.00
27.00	8.44	0.00	0.00	29.60	8.44	0.00	0.00
27.05	8.44	0.00	0.00	29.65	8.44	0.00	0.00
27.10	8.44	0.00	0.00	29.70	8.44	0.00	0.00
27.15	8.44	0.00	0.00	29.75	8.44	0.00	0.00
27.20	8.44	0.00	0.00	29.80	8.44	0.00	0.00
27.25	8.44	0.00	0.00	29.85	8.44	0.00	0.00
27.30	8.44	0.00	0.00	29.90	8.44	0.00	0.00
27.35	8.44	0.00	0.00	29.95	8.44	0.00	0.00
27.40	8.44	0.00	0.00	30.00	8.44	0.00	0.00
27.45	8.44	0.00	0.00	30.05	8.44	0.00	0.00
27.50	8.44	0.00	0.00	30.10	8.44	0.00	0.00
27.55	8.44	0.00	0.00	30.15	8.44	0.00	0.00
27.60	8.44	0.00	0.00	30.20	8.44	0.00	0.00
27.65	8.44	0.00	0.00	30.25	8.44	0.00	0.00
27.70	8.44	0.00	0.00	30.30	8.44	0.00	0.00
27.75	8.44	0.00	0.00	30.35	8.44	0.00	0.00
27.80	8.44	0.00	0.00	30.40	8.44	0.00	0.00
27.85	8.44	0.00	0.00	30.45	8.44	0.00	0.00
27.90	8.44	0.00	0.00	30.50	8.44	0.00	0.00
27.95	8.44	0.00	0.00	30.55	8.44	0.00	0.00
28.00	8.44	0.00	0.00	30.60	8.44	0.00	0.00
28.05	8.44	0.00	0.00	30.65	8.44	0.00	0.00
28.10	8.44	0.00	0.00	30.70	8.44	0.00	0.00
28.15	8.44	0.00	0.00	30.75	8.44	0.00	0.00
28.20	8.44	0.00	0.00	30.80	8.44	0.00	0.00
28.25	8.44	0.00	0.00	30.85	8.44	0.00	0.00
28.30	8.44	0.00	0.00	30.90	8.44	0.00	0.00
28.35	8.44	0.00	0.00	30.95	8.44	0.00	0.00
28.40	8.44	0.00	0.00	31.00	8.44	0.00	0.00
28.45	8.44	0.00	0.00	31.05	8.44	0.00	0.00
28.50	8.44	0.00	0.00	31.10	8.44	0.00	0.00
28.55	8.44	0.00	0.00	31.15	8.44	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	0.00	0.00	33.80	8.44	0.00	0.00
31.25	8.44	0.00	0.00	33.85	8.44	0.00	0.00
31.30	8.44	0.00	0.00	33.90	8.44	0.00	0.00
31.35	8.44	0.00	0.00	33.95	8.44	0.00	0.00
31.40	8.44	0.00	0.00	34.00	8.44	0.00	0.00
31.45	8.44	0.00	0.00	34.05	8.44	0.00	0.00
31.50	8.44	0.00	0.00	34.10	8.44	0.00	0.00
31.55	8.44	0.00	0.00	34.15	8.44	0.00	0.00
31.60	8.44	0.00	0.00	34.20	8.44	0.00	0.00
31.65	8.44	0.00	0.00	34.25	8.44	0.00	0.00
31.70	8.44	0.00	0.00	34.30	8.44	0.00	0.00
31.75	8.44	0.00	0.00	34.35	8.44	0.00	0.00
31.80	8.44	0.00	0.00	34.40	8.44	0.00	0.00
31.85	8.44	0.00	0.00	34.45	8.44	0.00	0.00
31.90	8.44	0.00	0.00	34.50	8.44	0.00	0.00
31.95	8.44	0.00	0.00	34.55	8.44	0.00	0.00
32.00	8.44	0.00	0.00	34.60	8.44	0.00	0.00
32.05	8.44	0.00	0.00	34.65	8.44	0.00	0.00
32.10	8.44	0.00	0.00	34.70	8.44	0.00	0.00
32.15	8.44	0.00	0.00	34.75	8.44	0.00	0.00
32.20	8.44	0.00	0.00	34.80	8.44	0.00	0.00
32.25	8.44	0.00	0.00	34.85	8.44	0.00	0.00
32.30	8.44	0.00	0.00	34.90	8.44	0.00	0.00
32.35	8.44	0.00	0.00	34.95	8.44	0.00	0.00
32.40	8.44	0.00	0.00	35.00	8.44	0.00	0.00
32.45	8.44	0.00	0.00	35.05	8.44	0.00	0.00
32.50	8.44	0.00	0.00	35.10	8.44	0.00	0.00
32.55	8.44	0.00	0.00	35.15	8.44	0.00	0.00
32.60	8.44	0.00	0.00	35.20	8.44	0.00	0.00
32.65	8.44	0.00	0.00	35.25	8.44	0.00	0.00
32.70	8.44	0.00	0.00	35.30	8.44	0.00	0.00
32.75	8.44	0.00	0.00	35.35	8.44	0.00	0.00
32.80	8.44	0.00	0.00	35.40	8.44	0.00	0.00
32.85	8.44	0.00	0.00	35.45	8.44	0.00	0.00
32.90	8.44	0.00	0.00	35.50	8.44	0.00	0.00
32.95	8.44	0.00	0.00	35.55	8.44	0.00	0.00
33.00	8.44	0.00	0.00	35.60	8.44	0.00	0.00
33.05	8.44	0.00	0.00	35.65	8.44	0.00	0.00
33.10	8.44	0.00	0.00	35.70	8.44	0.00	0.00
33.15	8.44	0.00	0.00	35.75	8.44	0.00	0.00
33.20	8.44	0.00	0.00	35.80	8.44	0.00	0.00
33.25	8.44	0.00	0.00	35.85	8.44	0.00	0.00
33.30	8.44	0.00	0.00	35.90	8.44	0.00	0.00
33.35	8.44	0.00	0.00	35.95	8.44	0.00	0.00
33.40	8.44	0.00	0.00	36.00	8.44	0.00	0.00
33.45	8.44	0.00	0.00	36.05	8.44	0.00	0.00
33.50	8.44	0.00	0.00	36.10	8.44	0.00	0.00
33.55	8.44	0.00	0.00	36.15	8.44	0.00	0.00
33.60	8.44	0.00	0.00	36.20	8.44	0.00	0.00
33.65	8.44	0.00	0.00	36.25	8.44	0.00	0.00
33.70	8.44	0.00	0.00	36.30	8.44	0.00	0.00
33.75	8.44	0.00	0.00	36.35	8.44	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	0.00	0.00
36.45	8.44	0.00	0.00
36.50	8.44	0.00	0.00
36.55	8.44	0.00	0.00
36.60	8.44	0.00	0.00
36.65	8.44	0.00	0.00
36.70	8.44	0.00	0.00
36.75	8.44	0.00	0.00
36.80	8.44	0.00	0.00
36.85	8.44	0.00	0.00
36.90	8.44	0.00	0.00
36.95	8.44	0.00	0.00
37.00	8.44	0.00	0.00
37.05	8.44	0.00	0.00
37.10	8.44	0.00	0.00
37.15	8.44	0.00	0.00
37.20	8.44	0.00	0.00
37.25	8.44	0.00	0.00
37.30	8.44	0.00	0.00
37.35	8.44	0.00	0.00
37.40	8.44	0.00	0.00
37.45	8.44	0.00	0.00
37.50	8.44	0.00	0.00
37.55	8.44	0.00	0.00
37.60	8.44	0.00	0.00
37.65	8.44	0.00	0.00
37.70	8.44	0.00	0.00
37.75	8.44	0.00	0.00
37.80	8.44	0.00	0.00
37.85	8.44	0.00	0.00
37.90	8.44	0.00	0.00
37.95	8.44	0.00	0.00
38.00	8.44	0.00	0.00
38.05	8.44	0.00	0.00
38.10	8.44	0.00	0.00
38.15	8.44	0.00	0.00
38.20	8.44	0.00	0.00
38.25	8.44	0.00	0.00
38.30	8.44	0.00	0.00
38.35	8.44	0.00	0.00
38.40	8.44	0.00	0.00
38.45	8.44	0.00	0.00
38.50	8.44	0.00	0.00
38.55	8.44	0.00	0.00
38.60	8.44	0.00	0.00
38.65	8.44	0.00	0.00
38.70	8.44	0.00	0.00
38.75	8.44	0.00	0.00
38.80	8.44	0.00	0.00
38.85	8.44	0.00	0.00
38.90	8.44	0.00	0.00
38.95	8.44	0.00	0.00
39.00	8.44	0.00	0.00
39.05	8.44	0.00	0.00
39.10	8.44	0.00	0.00
39.15	8.44	0.00	0.00
39.20	8.44	0.00	0.00
39.25	8.44	0.00	0.00
39.30	8.44	0.00	0.00
39.35	8.44	0.00	0.00
39.40	8.44	0.00	0.00
39.45	8.44	0.00	0.00
39.50	8.44	0.00	0.00
39.55	8.44	0.00	0.00
39.60	8.44	0.00	0.00
39.65	8.44	0.00	0.00
39.70	8.44	0.00	0.00
39.75	8.44	0.00	0.00
39.80	8.44	0.00	0.00
39.85	8.44	0.00	0.00
39.90	8.44	0.00	0.00
39.95	8.44	0.00	0.00
40.00	8.44	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

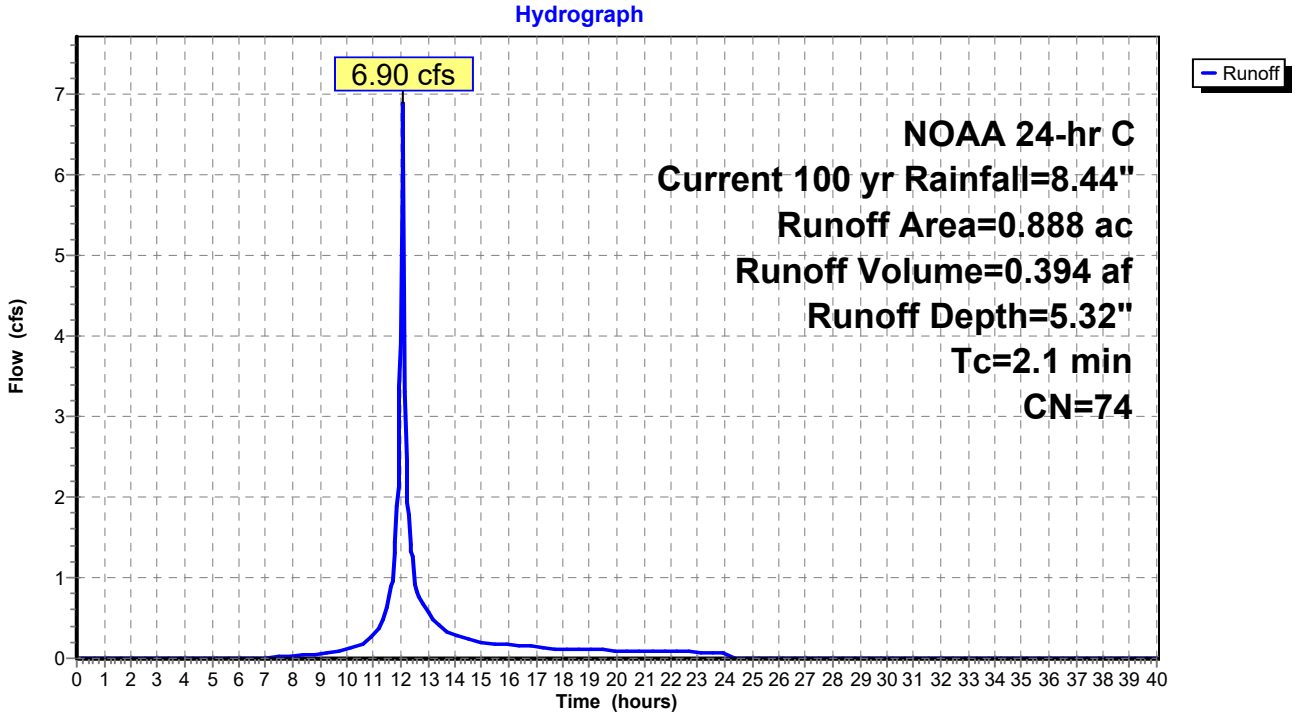
Runoff = 6.90 cfs @ 12.08 hrs, Volume= 0.394 af, Depth= 5.32"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.04
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.05
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.06
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.06
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.07
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.07
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.07
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.08
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.08
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.08
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.09
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.09
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.10
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.10
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.10
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.10
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.11
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.11
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.12
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.12
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.12
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.13
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.13
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.14
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.14

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.14	13.00	6.41	3.54	0.58
10.45	1.72	0.23	0.15	13.05	6.45	3.57	0.53
10.50	1.74	0.24	0.15	13.10	6.48	3.59	0.51
10.55	1.76	0.25	0.17	13.15	6.51	3.62	0.48
10.60	1.79	0.26	0.18	13.20	6.54	3.65	0.48
10.65	1.81	0.27	0.19	13.25	6.57	3.67	0.45
10.70	1.84	0.28	0.20	13.30	6.60	3.70	0.44
10.75	1.87	0.29	0.22	13.35	6.63	3.72	0.41
10.80	1.90	0.30	0.23	13.40	6.65	3.74	0.40
10.85	1.93	0.32	0.24	13.45	6.68	3.76	0.37
10.90	1.96	0.33	0.25	13.50	6.70	3.78	0.37
10.95	1.99	0.35	0.27	13.55	6.72	3.80	0.34
11.00	2.03	0.36	0.28	13.60	6.74	3.82	0.33
11.05	2.06	0.38	0.32	13.65	6.76	3.84	0.32
11.10	2.10	0.40	0.33	13.70	6.78	3.85	0.32
11.15	2.14	0.42	0.37	13.75	6.80	3.87	0.31
11.20	2.19	0.44	0.38	13.80	6.82	3.89	0.31
11.25	2.23	0.46	0.42	13.85	6.84	3.91	0.30
11.30	2.28	0.49	0.44	13.90	6.86	3.92	0.30
11.35	2.33	0.52	0.48	13.95	6.88	3.94	0.29
11.40	2.38	0.54	0.50	14.00	6.90	3.96	0.29
11.45	2.44	0.57	0.53	14.05	6.92	3.97	0.28
11.50	2.49	0.60	0.56	14.10	6.94	3.99	0.28
11.55	2.58	0.65	0.81	14.15	6.95	4.00	0.28
11.60	2.66	0.70	0.89	14.20	6.97	4.02	0.27
11.65	2.75	0.76	0.94	14.25	6.99	4.03	0.27
11.70	2.84	0.81	0.99	14.30	7.01	4.05	0.26
11.75	2.97	0.89	1.30	14.35	7.02	4.06	0.26
11.80	3.09	0.97	1.43	14.40	7.04	4.08	0.25
11.85	3.26	1.08	1.89	14.45	7.05	4.09	0.25
11.90	3.43	1.19	2.12	14.50	7.07	4.10	0.24
11.95	3.73	1.40	3.38	14.55	7.09	4.12	0.24
12.00	4.02	1.61	3.92	14.60	7.10	4.13	0.23
12.05	4.52	1.98	6.11	14.65	7.11	4.14	0.23
12.10	5.01	2.37	**6.65**	14.70	7.13	4.15	0.22
12.15	5.18	2.51	3.32	14.75	7.14	4.17	0.22
12.20	5.35	2.65	2.47	14.80	7.16	4.18	0.22
12.25	5.47	2.75	1.93	14.85	7.17	4.19	0.21
12.30	5.60	2.85	1.79	14.90	7.18	4.20	0.20
12.35	5.69	2.92	1.42	14.95	7.19	4.21	0.20
12.40	5.78	3.00	1.33	15.00	7.21	4.22	0.20
12.45	5.86	3.07	1.29	15.05	7.22	4.23	0.19
12.50	5.95	3.14	1.26	15.10	7.23	4.24	0.19
12.55	6.00	3.19	0.92	15.15	7.24	4.25	0.18
12.60	6.06	3.23	0.83	15.20	7.25	4.26	0.18
12.65	6.11	3.28	0.79	15.25	7.27	4.27	0.18
12.70	6.16	3.32	0.78	15.30	7.28	4.28	0.18
12.75	6.21	3.36	0.73	15.35	7.29	4.29	0.18
12.80	6.25	3.40	0.71	15.40	7.30	4.30	0.18
12.85	6.30	3.44	0.66	15.45	7.31	4.31	0.18
12.90	6.34	3.47	0.65	15.50	7.32	4.32	0.18
12.95	6.38	3.50	0.59	15.55	7.33	4.33	0.17

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.17	18.20	7.80	4.75	0.11
15.65	7.36	4.35	0.17	18.25	7.80	4.75	0.11
15.70	7.37	4.36	0.17	18.30	7.81	4.76	0.11
15.75	7.38	4.37	0.17	18.35	7.82	4.76	0.11
15.80	7.39	4.38	0.17	18.40	7.82	4.77	0.11
15.85	7.40	4.39	0.17	18.45	7.83	4.78	0.11
15.90	7.41	4.40	0.17	18.50	7.84	4.78	0.11
15.95	7.42	4.41	0.16	18.55	7.84	4.79	0.11
16.00	7.43	4.42	0.16	18.60	7.85	4.79	0.11
16.05	7.44	4.43	0.16	18.65	7.86	4.80	0.10
16.10	7.45	4.44	0.16	18.70	7.86	4.80	0.10
16.15	7.46	4.44	0.16	18.75	7.87	4.81	0.10
16.20	7.47	4.45	0.16	18.80	7.88	4.82	0.10
16.25	7.48	4.46	0.16	18.85	7.88	4.82	0.10
16.30	7.49	4.47	0.15	18.90	7.89	4.83	0.10
16.35	7.50	4.48	0.15	18.95	7.90	4.83	0.10
16.40	7.51	4.49	0.15	19.00	7.90	4.84	0.10
16.45	7.52	4.50	0.15	19.05	7.91	4.84	0.10
16.50	7.53	4.50	0.15	19.10	7.92	4.85	0.10
16.55	7.54	4.51	0.15	19.15	7.92	4.86	0.10
16.60	7.55	4.52	0.15	19.20	7.93	4.86	0.10
16.65	7.55	4.53	0.15	19.25	7.93	4.87	0.10
16.70	7.56	4.54	0.15	19.30	7.94	4.87	0.10
16.75	7.57	4.55	0.14	19.35	7.95	4.88	0.10
16.80	7.58	4.55	0.14	19.40	7.95	4.88	0.10
16.85	7.59	4.56	0.14	19.45	7.96	4.89	0.10
16.90	7.60	4.57	0.14	19.50	7.97	4.90	0.10
16.95	7.61	4.58	0.14	19.55	7.97	4.90	0.10
17.00	7.62	4.58	0.14	19.60	7.98	4.91	0.10
17.05	7.63	4.59	0.14	19.65	7.98	4.91	0.10
17.10	7.63	4.60	0.13	19.70	7.99	4.92	0.10
17.15	7.64	4.61	0.13	19.75	8.00	4.92	0.10
17.20	7.65	4.61	0.13	19.80	8.00	4.93	0.10
17.25	7.66	4.62	0.13	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.13	19.90	8.01	4.94	0.10
17.35	7.67	4.64	0.13	19.95	8.02	4.94	0.10
17.40	7.68	4.64	0.13	20.00	8.03	4.95	0.10
17.45	7.69	4.65	0.12	20.05	8.03	4.96	0.10
17.50	7.70	4.66	0.12	20.10	8.04	4.96	0.10
17.55	7.71	4.66	0.12	20.15	8.04	4.97	0.09
17.60	7.71	4.67	0.12	20.20	8.05	4.97	0.09
17.65	7.72	4.68	0.12	20.25	8.06	4.98	0.09
17.70	7.73	4.68	0.12	20.30	8.06	4.98	0.09
17.75	7.74	4.69	0.12	20.35	8.07	4.99	0.09
17.80	7.74	4.70	0.12	20.40	8.07	4.99	0.09
17.85	7.75	4.70	0.11	20.45	8.08	5.00	0.09
17.90	7.76	4.71	0.11	20.50	8.09	5.00	0.09
17.95	7.76	4.72	0.11	20.55	8.09	5.01	0.09
18.00	7.77	4.72	0.11	20.60	8.10	5.01	0.09
18.05	7.78	4.73	0.11	20.65	8.10	5.02	0.09
18.10	7.78	4.73	0.11	20.70	8.11	5.02	0.09
18.15	7.79	4.74	0.11	20.75	8.11	5.03	0.09

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.09	23.40	8.38	5.27	0.07
20.85	8.13	5.04	0.09	23.45	8.39	5.28	0.07
20.90	8.13	5.04	0.09	23.50	8.39	5.28	0.07
20.95	8.14	5.05	0.09	23.55	8.40	5.28	0.07
21.00	8.14	5.05	0.09	23.60	8.40	5.29	0.07
21.05	8.15	5.06	0.09	23.65	8.41	5.29	0.07
21.10	8.15	5.06	0.09	23.70	8.41	5.30	0.07
21.15	8.16	5.07	0.09	23.75	8.42	5.30	0.07
21.20	8.16	5.07	0.09	23.80	8.42	5.30	0.07
21.25	8.17	5.08	0.09	23.85	8.42	5.31	0.07
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.07
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.08
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.09	24.05	8.44	5.32	0.02
21.50	8.20	5.10	0.09	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.08	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.08	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.08	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.08	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.08	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.08	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.08	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.08	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.08	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.08	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.08	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.08	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.08	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.08	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.08	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.08	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.08	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.08	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.08	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.08	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.07	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.07	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.07	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.07	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

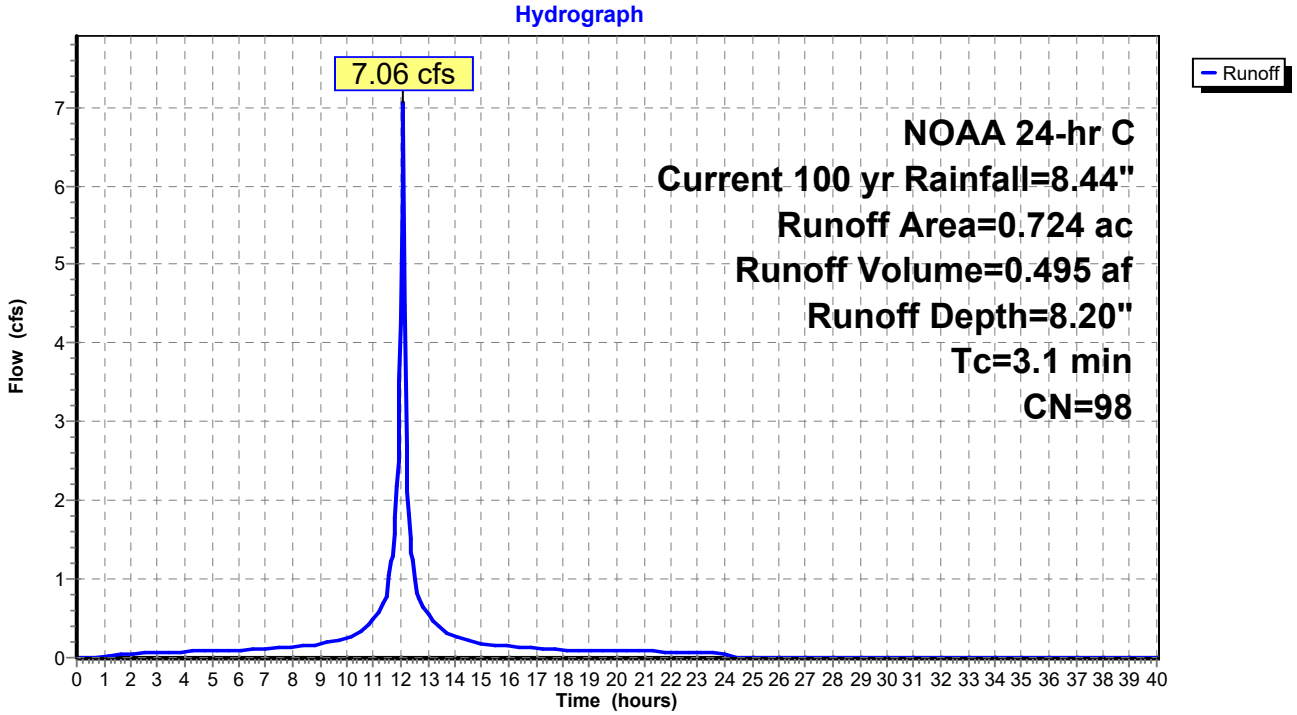
Runoff = 7.06 cfs @ 12.09 hrs, Volume= 0.495 af, Depth= 8.20"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.06
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.06
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.06
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.07
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.07
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.07
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.07
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.07
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.07
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.07
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.07
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.07
1.30	0.12	0.02	0.03	3.90	0.40	0.23	0.07
1.35	0.13	0.02	0.03	3.95	0.41	0.24	0.08
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.08
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.08
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.08
1.55	0.15	0.04	0.04	4.15	0.43	0.26	0.08
1.60	0.15	0.04	0.04	4.20	0.44	0.26	0.08
1.65	0.16	0.04	0.04	4.25	0.44	0.27	0.08
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.08
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.08
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.05	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.05	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.05	4.65	0.49	0.31	0.08
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.08
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.08
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.08
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.08
2.30	0.22	0.09	0.05	4.90	0.52	0.34	0.08
2.35	0.23	0.09	0.06	4.95	0.53	0.35	0.08
2.40	0.23	0.09	0.06	5.00	0.54	0.35	0.08
2.45	0.24	0.10	0.06	5.05	0.54	0.36	0.09
2.50	0.24	0.10	0.06	5.10	0.55	0.36	0.09
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.09

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.09	7.80	0.97	0.76	0.14
5.25	0.57	0.38	0.09	7.85	0.98	0.77	0.14
5.30	0.58	0.39	0.09	7.90	0.99	0.78	0.14
5.35	0.58	0.39	0.09	7.95	1.00	0.79	0.14
5.40	0.59	0.40	0.09	8.00	1.01	0.80	0.14
5.45	0.60	0.41	0.09	8.05	1.02	0.81	0.15
5.50	0.60	0.41	0.09	8.10	1.03	0.82	0.15
5.55	0.61	0.42	0.09	8.15	1.04	0.83	0.15
5.60	0.62	0.42	0.09	8.20	1.05	0.84	0.15
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.15
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.15
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.15
5.80	0.64	0.45	0.09	8.40	1.10	0.88	0.15
5.85	0.65	0.45	0.09	8.45	1.11	0.89	0.16
5.90	0.66	0.46	0.09	8.50	1.12	0.91	0.16
5.95	0.66	0.47	0.09	8.55	1.13	0.92	0.16
6.00	0.67	0.47	0.09	8.60	1.14	0.93	0.16
6.05	0.68	0.48	0.09	8.65	1.15	0.94	0.16
6.10	0.68	0.49	0.10	8.70	1.16	0.95	0.16
6.15	0.69	0.49	0.10	8.75	1.17	0.96	0.16
6.20	0.70	0.50	0.10	8.80	1.19	0.97	0.16
6.25	0.70	0.51	0.10	8.85	1.20	0.98	0.17
6.30	0.71	0.51	0.10	8.90	1.21	0.99	0.17
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.17
6.40	0.73	0.53	0.10	9.00	1.23	1.02	0.17
6.45	0.73	0.54	0.10	9.05	1.25	1.03	0.17
6.50	0.74	0.54	0.11	9.10	1.26	1.04	0.18
6.55	0.75	0.55	0.11	9.15	1.27	1.05	0.18
6.60	0.76	0.56	0.11	9.20	1.28	1.07	0.19
6.65	0.77	0.57	0.11	9.25	1.30	1.08	0.19
6.70	0.77	0.57	0.11	9.30	1.31	1.09	0.20
6.75	0.78	0.58	0.11	9.35	1.33	1.11	0.20
6.80	0.79	0.59	0.11	9.40	1.34	1.12	0.21
6.85	0.80	0.60	0.11	9.45	1.35	1.14	0.21
6.90	0.81	0.60	0.12	9.50	1.37	1.15	0.21
6.95	0.81	0.61	0.12	9.55	1.39	1.17	0.22
7.00	0.82	0.62	0.12	9.60	1.40	1.18	0.22
7.05	0.83	0.63	0.12	9.65	1.42	1.20	0.23
7.10	0.84	0.64	0.12	9.70	1.43	1.21	0.23
7.15	0.85	0.65	0.12	9.75	1.45	1.23	0.24
7.20	0.86	0.65	0.12	9.80	1.47	1.25	0.24
7.25	0.87	0.66	0.12	9.85	1.49	1.27	0.25
7.30	0.88	0.67	0.13	9.90	1.50	1.28	0.25
7.35	0.89	0.68	0.13	9.95	1.52	1.30	0.26
7.40	0.89	0.69	0.13	10.00	1.54	1.32	0.26
7.45	0.90	0.70	0.13	10.05	1.56	1.34	0.27
7.50	0.91	0.71	0.13	10.10	1.58	1.36	0.27
7.55	0.92	0.72	0.13	10.15	1.60	1.37	0.28
7.60	0.93	0.73	0.13	10.20	1.62	1.39	0.28
7.65	0.94	0.73	0.13	10.25	1.64	1.41	0.29
7.70	0.95	0.74	0.14	10.30	1.66	1.43	0.29
7.75	0.96	0.75	0.14	10.35	1.68	1.45	0.29

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.30	13.00	6.41	6.18	0.56
10.45	1.72	1.50	0.30	13.05	6.45	6.21	0.52
10.50	1.74	1.52	0.31	13.10	6.48	6.24	0.49
10.55	1.76	1.54	0.33	13.15	6.51	6.27	0.47
10.60	1.79	1.56	0.34	13.20	6.54	6.30	0.45
10.65	1.81	1.59	0.36	13.25	6.57	6.33	0.43
10.70	1.84	1.62	0.38	13.30	6.60	6.36	0.42
10.75	1.87	1.64	0.40	13.35	6.63	6.39	0.40
10.80	1.90	1.67	0.41	13.40	6.65	6.41	0.38
10.85	1.93	1.70	0.43	13.45	6.68	6.44	0.36
10.90	1.96	1.73	0.45	13.50	6.70	6.46	0.35
10.95	1.99	1.77	0.47	13.55	6.72	6.48	0.33
11.00	2.03	1.80	0.48	13.60	6.74	6.50	0.31
11.05	2.06	1.84	0.52	13.65	6.76	6.53	0.31
11.10	2.10	1.87	0.55	13.70	6.78	6.55	0.30
11.15	2.14	1.92	0.59	13.75	6.80	6.57	0.30
11.20	2.19	1.96	0.61	13.80	6.82	6.59	0.29
11.25	2.23	2.01	0.65	13.85	6.84	6.61	0.29
11.30	2.28	2.05	0.68	13.90	6.86	6.62	0.28
11.35	2.33	2.10	0.72	13.95	6.88	6.64	0.28
11.40	2.38	2.16	0.75	14.00	6.90	6.66	0.27
11.45	2.44	2.21	0.78	14.05	6.92	6.68	0.27
11.50	2.49	2.26	0.80	14.10	6.94	6.70	0.26
11.55	2.58	2.35	1.05	14.15	6.95	6.72	0.26
11.60	2.66	2.43	1.22	14.20	6.97	6.73	0.26
11.65	2.75	2.52	1.28	14.25	6.99	6.75	0.25
11.70	2.84	2.61	1.31	14.30	7.01	6.77	0.25
11.75	2.97	2.74	1.58	14.35	7.02	6.78	0.24
11.80	3.09	2.86	1.78	14.40	7.04	6.80	0.24
11.85	3.26	3.03	2.19	14.45	7.05	6.82	0.23
11.90	3.43	3.20	2.48	14.50	7.07	6.83	0.23
11.95	3.73	3.49	3.52	14.55	7.09	6.85	0.22
12.00	4.02	3.79	4.26	14.60	7.10	6.86	0.22
12.05	4.52	4.28	5.94	14.65	7.11	6.88	0.21
12.10	5.01	4.77	**6.98**	14.70	7.13	6.89	0.21
12.15	5.18	4.94	4.49	14.75	7.14	6.90	0.20
12.20	5.35	5.11	2.69	14.80	7.16	6.92	0.20
12.25	5.47	5.24	2.11	14.85	7.17	6.93	0.20
12.30	5.60	5.36	1.82	14.90	7.18	6.94	0.19
12.35	5.69	5.45	1.52	14.95	7.19	6.96	0.19
12.40	5.78	5.54	1.33	15.00	7.21	6.97	0.18
12.45	5.86	5.62	1.27	15.05	7.22	6.98	0.18
12.50	5.95	5.71	1.24	15.10	7.23	6.99	0.17
12.55	6.00	5.76	0.99	15.15	7.24	7.00	0.17
12.60	6.06	5.82	0.82	15.20	7.25	7.02	0.17
12.65	6.11	5.87	0.78	15.25	7.27	7.03	0.17
12.70	6.16	5.92	0.75	15.30	7.28	7.04	0.17
12.75	6.21	5.97	0.71	15.35	7.29	7.05	0.17
12.80	6.25	6.02	0.69	15.40	7.30	7.06	0.17
12.85	6.30	6.06	0.65	15.45	7.31	7.07	0.16
12.90	6.34	6.10	0.62	15.50	7.32	7.08	0.16
12.95	6.38	6.14	0.58	15.55	7.33	7.09	0.16

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.16	18.20	7.80	7.56	0.10
15.65	7.36	7.12	0.16	18.25	7.80	7.57	0.10
15.70	7.37	7.13	0.16	18.30	7.81	7.57	0.10
15.75	7.38	7.14	0.16	18.35	7.82	7.58	0.10
15.80	7.39	7.15	0.16	18.40	7.82	7.59	0.10
15.85	7.40	7.16	0.15	18.45	7.83	7.59	0.10
15.90	7.41	7.17	0.15	18.50	7.84	7.60	0.10
15.95	7.42	7.18	0.15	18.55	7.84	7.61	0.10
16.00	7.43	7.19	0.15	18.60	7.85	7.61	0.10
16.05	7.44	7.20	0.15	18.65	7.86	7.62	0.10
16.10	7.45	7.21	0.15	18.70	7.86	7.62	0.10
16.15	7.46	7.22	0.15	18.75	7.87	7.63	0.10
16.20	7.47	7.23	0.15	18.80	7.88	7.64	0.09
16.25	7.48	7.24	0.14	18.85	7.88	7.64	0.09
16.30	7.49	7.25	0.14	18.90	7.89	7.65	0.09
16.35	7.50	7.26	0.14	18.95	7.90	7.66	0.09
16.40	7.51	7.27	0.14	19.00	7.90	7.66	0.09
16.45	7.52	7.28	0.14	19.05	7.91	7.67	0.09
16.50	7.53	7.29	0.14	19.10	7.92	7.68	0.09
16.55	7.54	7.30	0.14	19.15	7.92	7.68	0.09
16.60	7.55	7.31	0.14	19.20	7.93	7.69	0.09
16.65	7.55	7.32	0.13	19.25	7.93	7.70	0.09
16.70	7.56	7.32	0.13	19.30	7.94	7.70	0.09
16.75	7.57	7.33	0.13	19.35	7.95	7.71	0.09
16.80	7.58	7.34	0.13	19.40	7.95	7.71	0.09
16.85	7.59	7.35	0.13	19.45	7.96	7.72	0.09
16.90	7.60	7.36	0.13	19.50	7.97	7.73	0.09
16.95	7.61	7.37	0.13	19.55	7.97	7.73	0.09
17.00	7.62	7.38	0.13	19.60	7.98	7.74	0.09
17.05	7.63	7.39	0.12	19.65	7.98	7.74	0.09
17.10	7.63	7.39	0.12	19.70	7.99	7.75	0.09
17.15	7.64	7.40	0.12	19.75	8.00	7.76	0.09
17.20	7.65	7.41	0.12	19.80	8.00	7.76	0.09
17.25	7.66	7.42	0.12	19.85	8.01	7.77	0.09
17.30	7.67	7.43	0.12	19.90	8.01	7.78	0.09
17.35	7.67	7.43	0.12	19.95	8.02	7.78	0.09
17.40	7.68	7.44	0.12	20.00	8.03	7.79	0.09
17.45	7.69	7.45	0.11	20.05	8.03	7.79	0.09
17.50	7.70	7.46	0.11	20.10	8.04	7.80	0.09
17.55	7.71	7.47	0.11	20.15	8.04	7.80	0.09
17.60	7.71	7.47	0.11	20.20	8.05	7.81	0.09
17.65	7.72	7.48	0.11	20.25	8.06	7.82	0.09
17.70	7.73	7.49	0.11	20.30	8.06	7.82	0.09
17.75	7.74	7.50	0.11	20.35	8.07	7.83	0.09
17.80	7.74	7.50	0.11	20.40	8.07	7.83	0.08
17.85	7.75	7.51	0.11	20.45	8.08	7.84	0.08
17.90	7.76	7.52	0.10	20.50	8.09	7.85	0.08
17.95	7.76	7.52	0.10	20.55	8.09	7.85	0.08
18.00	7.77	7.53	0.10	20.60	8.10	7.86	0.08
18.05	7.78	7.54	0.10	20.65	8.10	7.86	0.08
18.10	7.78	7.55	0.10	20.70	8.11	7.87	0.08
18.15	7.79	7.55	0.10	20.75	8.11	7.87	0.08

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.08	23.40	8.38	8.14	0.07
20.85	8.13	7.89	0.08	23.45	8.39	8.15	0.07
20.90	8.13	7.89	0.08	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.08	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.08	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.08	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.08	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.08	23.75	8.42	8.18	0.06
21.20	8.16	7.92	0.08	23.80	8.42	8.18	0.06
21.25	8.17	7.93	0.08	23.85	8.42	8.18	0.06
21.30	8.18	7.94	0.08	23.90	8.43	8.19	0.06
21.35	8.18	7.94	0.08	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.08	24.00	**8.44**	**8.20**	0.08
21.45	8.19	7.95	0.08	24.05	8.44	8.20	0.03
21.50	8.20	7.96	0.08	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.08	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.08	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.08	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.08	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.08	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.08	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.08	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.08	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.08	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.08	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.07	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.07	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.07	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.07	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.07	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.07	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.07	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.07	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.07	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.07	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.07	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.07	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.07	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.07	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.07	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.07	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.07	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.07	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.07	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.07	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.07	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.07	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.07	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

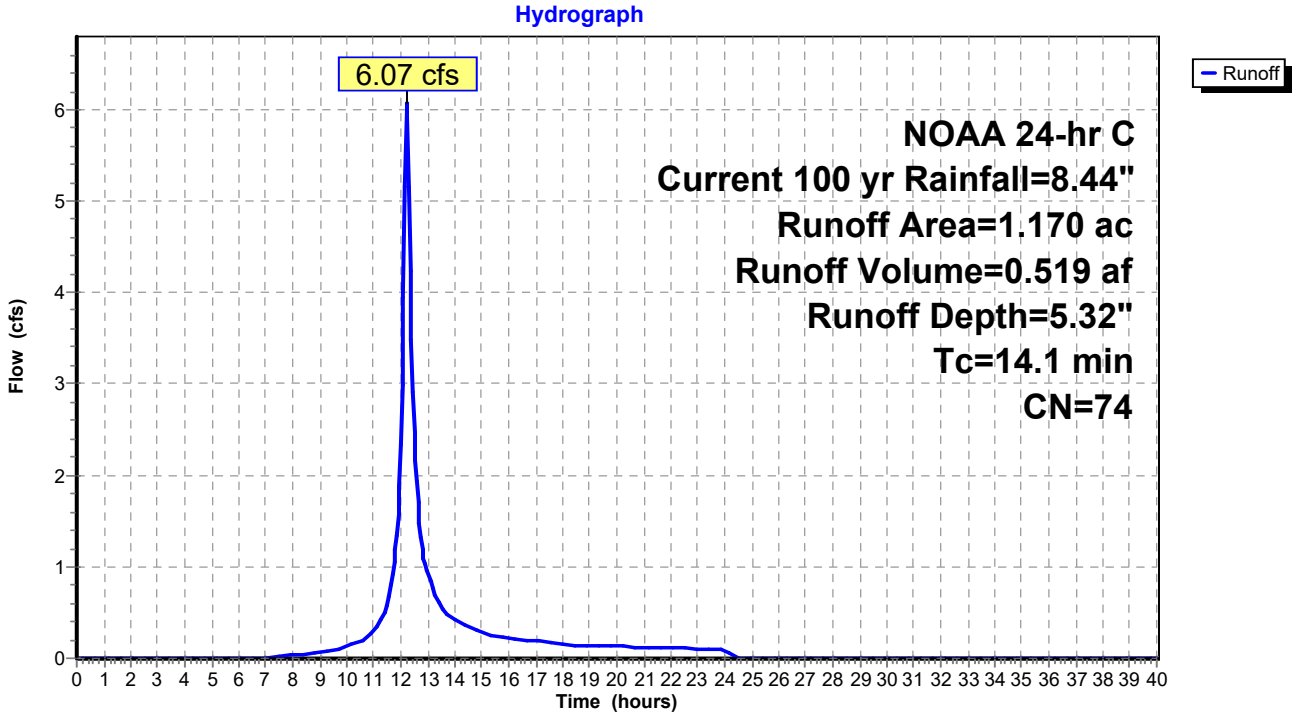
Runoff = 6.07 cfs @ 12.22 hrs, Volume= 0.519 af, Depth= 5.32"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.07
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.09
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.09
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.09
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.10
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.10
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.10
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.11
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.11
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.12
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.12
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.13
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.13
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.14
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.14
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.14
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.15
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.15
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.16
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.17

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.17	13.00	6.41	3.54	0.92
10.45	1.72	0.23	0.18	13.05	6.45	3.57	0.87
10.50	1.74	0.24	0.18	13.10	6.48	3.59	0.83
10.55	1.76	0.25	0.19	13.15	6.51	3.62	0.78
10.60	1.79	0.26	0.19	13.20	6.54	3.65	0.74
10.65	1.81	0.27	0.20	13.25	6.57	3.67	0.70
10.70	1.84	0.28	0.21	13.30	6.60	3.70	0.67
10.75	1.87	0.29	0.23	13.35	6.63	3.72	0.64
10.80	1.90	0.30	0.24	13.40	6.65	3.74	0.62
10.85	1.93	0.32	0.26	13.45	6.68	3.76	0.59
10.90	1.96	0.33	0.27	13.50	6.70	3.78	0.57
10.95	1.99	0.35	0.29	13.55	6.72	3.80	0.54
11.00	2.03	0.36	0.31	13.60	6.74	3.82	0.52
11.05	2.06	0.38	0.32	13.65	6.76	3.84	0.49
11.10	2.10	0.40	0.34	13.70	6.78	3.85	0.47
11.15	2.14	0.42	0.37	13.75	6.80	3.87	0.45
11.20	2.19	0.44	0.39	13.80	6.82	3.89	0.44
11.25	2.23	0.46	0.42	13.85	6.84	3.91	0.43
11.30	2.28	0.49	0.46	13.90	6.86	3.92	0.42
11.35	2.33	0.52	0.49	13.95	6.88	3.94	0.41
11.40	2.38	0.54	0.52	14.00	6.90	3.96	0.41
11.45	2.44	0.57	0.56	14.05	6.92	3.97	0.40
11.50	2.49	0.60	0.60	14.10	6.94	3.99	0.39
11.55	2.58	0.65	0.64	14.15	6.95	4.00	0.39
11.60	2.66	0.70	0.70	14.20	6.97	4.02	0.38
11.65	2.75	0.76	0.80	14.25	6.99	4.03	0.37
11.70	2.84	0.81	0.93	14.30	7.01	4.05	0.37
11.75	2.97	0.89	1.05	14.35	7.02	4.06	0.36
11.80	3.09	0.97	1.18	14.40	7.04	4.08	0.36
11.85	3.26	1.08	1.35	14.45	7.05	4.09	0.35
11.90	3.43	1.19	1.58	14.50	7.07	4.10	0.34
11.95	3.73	1.40	1.89	14.55	7.09	4.12	0.34
12.00	4.02	1.61	2.33	14.60	7.10	4.13	0.33
12.05	4.52	1.98	3.00	14.65	7.11	4.14	0.32
12.10	5.01	2.37	3.94	14.70	7.13	4.15	0.32
12.15	5.18	2.51	5.15	14.75	7.14	4.17	0.31
12.20	5.35	2.65	**5.99**	14.80	7.16	4.18	0.30
12.25	5.47	2.75	5.92	14.85	7.17	4.19	0.30
12.30	5.60	2.85	5.15	14.90	7.18	4.20	0.29
12.35	5.69	2.92	4.23	14.95	7.19	4.21	0.29
12.40	5.78	3.00	3.48	15.00	7.21	4.22	0.28
12.45	5.86	3.07	2.91	15.05	7.22	4.23	0.27
12.50	5.95	3.14	2.48	15.10	7.23	4.24	0.27
12.55	6.00	3.19	2.17	15.15	7.24	4.25	0.26
12.60	6.06	3.23	1.93	15.20	7.25	4.26	0.25
12.65	6.11	3.28	1.70	15.25	7.27	4.27	0.25
12.70	6.16	3.32	1.48	15.30	7.28	4.28	0.25
12.75	6.21	3.36	1.31	15.35	7.29	4.29	0.24
12.80	6.25	3.40	1.19	15.40	7.30	4.30	0.24
12.85	6.30	3.44	1.10	15.45	7.31	4.31	0.24
12.90	6.34	3.47	1.03	15.50	7.32	4.32	0.24
12.95	6.38	3.50	0.97	15.55	7.33	4.33	0.24

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.23	18.20	7.80	4.75	0.15
15.65	7.36	4.35	0.23	18.25	7.80	4.75	0.14
15.70	7.37	4.36	0.23	18.30	7.81	4.76	0.14
15.75	7.38	4.37	0.23	18.35	7.82	4.76	0.14
15.80	7.39	4.38	0.23	18.40	7.82	4.77	0.14
15.85	7.40	4.39	0.23	18.45	7.83	4.78	0.14
15.90	7.41	4.40	0.22	18.50	7.84	4.78	0.14
15.95	7.42	4.41	0.22	18.55	7.84	4.79	0.14
16.00	7.43	4.42	0.22	18.60	7.85	4.79	0.14
16.05	7.44	4.43	0.22	18.65	7.86	4.80	0.14
16.10	7.45	4.44	0.22	18.70	7.86	4.80	0.14
16.15	7.46	4.44	0.22	18.75	7.87	4.81	0.14
16.20	7.47	4.45	0.21	18.80	7.88	4.82	0.14
16.25	7.48	4.46	0.21	18.85	7.88	4.82	0.14
16.30	7.49	4.47	0.21	18.90	7.89	4.83	0.14
16.35	7.50	4.48	0.21	18.95	7.90	4.83	0.14
16.40	7.51	4.49	0.21	19.00	7.90	4.84	0.14
16.45	7.52	4.50	0.21	19.05	7.91	4.84	0.14
16.50	7.53	4.50	0.20	19.10	7.92	4.85	0.14
16.55	7.54	4.51	0.20	19.15	7.92	4.86	0.14
16.60	7.55	4.52	0.20	19.20	7.93	4.86	0.13
16.65	7.55	4.53	0.20	19.25	7.93	4.87	0.13
16.70	7.56	4.54	0.20	19.30	7.94	4.87	0.13
16.75	7.57	4.55	0.20	19.35	7.95	4.88	0.13
16.80	7.58	4.55	0.19	19.40	7.95	4.88	0.13
16.85	7.59	4.56	0.19	19.45	7.96	4.89	0.13
16.90	7.60	4.57	0.19	19.50	7.97	4.90	0.13
16.95	7.61	4.58	0.19	19.55	7.97	4.90	0.13
17.00	7.62	4.58	0.19	19.60	7.98	4.91	0.13
17.05	7.63	4.59	0.18	19.65	7.98	4.91	0.13
17.10	7.63	4.60	0.18	19.70	7.99	4.92	0.13
17.15	7.64	4.61	0.18	19.75	8.00	4.92	0.13
17.20	7.65	4.61	0.18	19.80	8.00	4.93	0.13
17.25	7.66	4.62	0.18	19.85	8.01	4.93	0.13
17.30	7.67	4.63	0.18	19.90	8.01	4.94	0.13
17.35	7.67	4.64	0.17	19.95	8.02	4.94	0.13
17.40	7.68	4.64	0.17	20.00	8.03	4.95	0.13
17.45	7.69	4.65	0.17	20.05	8.03	4.96	0.13
17.50	7.70	4.66	0.17	20.10	8.04	4.96	0.13
17.55	7.71	4.66	0.17	20.15	8.04	4.97	0.13
17.60	7.71	4.67	0.17	20.20	8.05	4.97	0.13
17.65	7.72	4.68	0.16	20.25	8.06	4.98	0.13
17.70	7.73	4.68	0.16	20.30	8.06	4.98	0.13
17.75	7.74	4.69	0.16	20.35	8.07	4.99	0.12
17.80	7.74	4.70	0.16	20.40	8.07	4.99	0.12
17.85	7.75	4.70	0.16	20.45	8.08	5.00	0.12
17.90	7.76	4.71	0.16	20.50	8.09	5.00	0.12
17.95	7.76	4.72	0.15	20.55	8.09	5.01	0.12
18.00	7.77	4.72	0.15	20.60	8.10	5.01	0.12
18.05	7.78	4.73	0.15	20.65	8.10	5.02	0.12
18.10	7.78	4.73	0.15	20.70	8.11	5.02	0.12
18.15	7.79	4.74	0.15	20.75	8.11	5.03	0.12

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.12	23.40	8.38	5.27	0.10
20.85	8.13	5.04	0.12	23.45	8.39	5.28	0.10
20.90	8.13	5.04	0.12	23.50	8.39	5.28	0.10
20.95	8.14	5.05	0.12	23.55	8.40	5.28	0.10
21.00	8.14	5.05	0.12	23.60	8.40	5.29	0.10
21.05	8.15	5.06	0.12	23.65	8.41	5.29	0.10
21.10	8.15	5.06	0.12	23.70	8.41	5.30	0.10
21.15	8.16	5.07	0.12	23.75	8.42	5.30	0.10
21.20	8.16	5.07	0.12	23.80	8.42	5.30	0.10
21.25	8.17	5.08	0.12	23.85	8.42	5.31	0.09
21.30	8.18	5.08	0.12	23.90	8.43	5.31	0.09
21.35	8.18	5.09	0.12	23.95	8.43	5.32	0.09
21.40	8.19	5.09	0.12	24.00	**8.44**	**5.32**	0.10
21.45	8.19	5.10	0.12	24.05	8.44	5.32	0.10
21.50	8.20	5.10	0.12	24.10	8.44	5.32	0.09
21.55	8.20	5.11	0.11	24.15	8.44	5.32	0.08
21.60	8.21	5.11	0.11	24.20	8.44	5.32	0.05
21.65	8.21	5.12	0.11	24.25	8.44	5.32	0.03
21.70	8.22	5.12	0.11	24.30	8.44	5.32	0.02
21.75	8.22	5.13	0.11	24.35	8.44	5.32	0.01
21.80	8.23	5.13	0.11	24.40	8.44	5.32	0.01
21.85	8.23	5.14	0.11	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.11	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.11	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.11	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.11	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.11	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.11	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.11	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.11	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.11	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.11	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.11	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.11	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.11	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.11	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.11	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.11	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.10	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.10	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.10	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.10	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.10	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.10	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.10	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.10	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.10	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.10	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.10	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.10	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.10	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.10	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

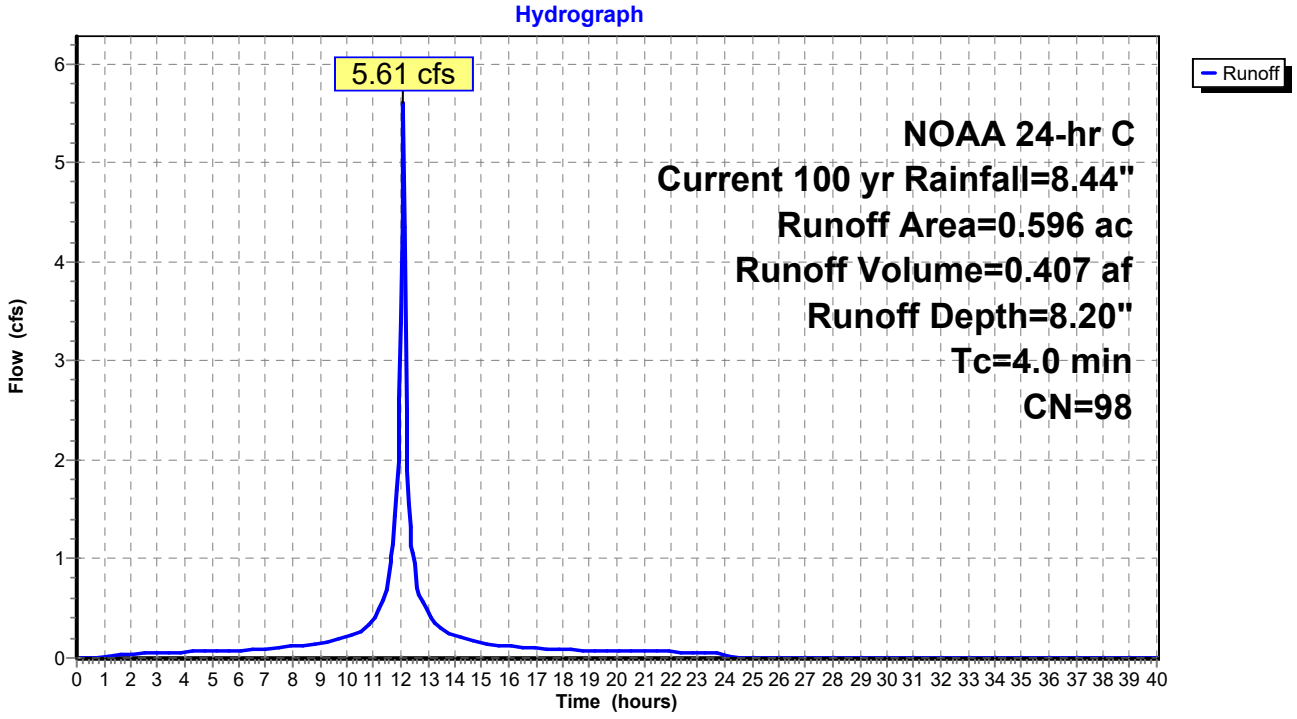
Runoff = 5.61 cfs @ 12.10 hrs, Volume= 0.407 af, Depth= 8.20"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.05
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.05
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.05
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.05
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.05
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.05
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.05
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.05
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.05
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.05
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.05
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.05
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.06
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.06
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.06
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.06
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.06
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.06
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.06
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.06
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.06
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.06
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.06
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.06
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.06
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.06
1.30	0.12	0.02	0.03	3.90	0.40	0.23	0.06
1.35	0.13	0.02	0.03	3.95	0.41	0.24	0.06
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.06
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.06
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.06
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.06
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.06
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.06
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.07
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.07
1.80	0.17	0.05	0.04	4.40	0.46	0.28	0.07
1.85	0.18	0.05	0.04	4.45	0.47	0.29	0.07
1.90	0.18	0.06	0.04	4.50	0.47	0.29	0.07
1.95	0.19	0.06	0.04	4.55	0.48	0.30	0.07
2.00	0.19	0.06	0.04	4.60	0.49	0.31	0.07
2.05	0.20	0.07	0.04	4.65	0.49	0.31	0.07
2.10	0.20	0.07	0.04	4.70	0.50	0.32	0.07
2.15	0.21	0.07	0.04	4.75	0.51	0.32	0.07
2.20	0.21	0.08	0.04	4.80	0.51	0.33	0.07
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.07
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.07
2.35	0.23	0.09	0.05	4.95	0.53	0.35	0.07
2.40	0.23	0.09	0.05	5.00	0.54	0.35	0.07
2.45	0.24	0.10	0.05	5.05	0.54	0.36	0.07
2.50	0.24	0.10	0.05	5.10	0.55	0.36	0.07
2.55	0.25	0.10	0.05	5.15	0.56	0.37	0.07

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.07	7.80	0.97	0.76	0.11
5.25	0.57	0.38	0.07	7.85	0.98	0.77	0.11
5.30	0.58	0.39	0.07	7.90	0.99	0.78	0.12
5.35	0.58	0.39	0.07	7.95	1.00	0.79	0.12
5.40	0.59	0.40	0.07	8.00	1.01	0.80	0.12
5.45	0.60	0.41	0.07	8.05	1.02	0.81	0.12
5.50	0.60	0.41	0.07	8.10	1.03	0.82	0.12
5.55	0.61	0.42	0.07	8.15	1.04	0.83	0.12
5.60	0.62	0.42	0.07	8.20	1.05	0.84	0.12
5.65	0.62	0.43	0.07	8.25	1.06	0.85	0.12
5.70	0.63	0.44	0.07	8.30	1.07	0.86	0.12
5.75	0.64	0.44	0.07	8.35	1.08	0.87	0.13
5.80	0.64	0.45	0.08	8.40	1.10	0.88	0.13
5.85	0.65	0.45	0.08	8.45	1.11	0.89	0.13
5.90	0.66	0.46	0.08	8.50	1.12	0.91	0.13
5.95	0.66	0.47	0.08	8.55	1.13	0.92	0.13
6.00	0.67	0.47	0.08	8.60	1.14	0.93	0.13
6.05	0.68	0.48	0.08	8.65	1.15	0.94	0.13
6.10	0.68	0.49	0.08	8.70	1.16	0.95	0.13
6.15	0.69	0.49	0.08	8.75	1.17	0.96	0.13
6.20	0.70	0.50	0.08	8.80	1.19	0.97	0.13
6.25	0.70	0.51	0.08	8.85	1.20	0.98	0.14
6.30	0.71	0.51	0.08	8.90	1.21	0.99	0.14
6.35	0.72	0.52	0.08	8.95	1.22	1.01	0.14
6.40	0.73	0.53	0.08	9.00	1.23	1.02	0.14
6.45	0.73	0.54	0.09	9.05	1.25	1.03	0.14
6.50	0.74	0.54	0.09	9.10	1.26	1.04	0.15
6.55	0.75	0.55	0.09	9.15	1.27	1.05	0.15
6.60	0.76	0.56	0.09	9.20	1.28	1.07	0.15
6.65	0.77	0.57	0.09	9.25	1.30	1.08	0.16
6.70	0.77	0.57	0.09	9.30	1.31	1.09	0.16
6.75	0.78	0.58	0.09	9.35	1.33	1.11	0.16
6.80	0.79	0.59	0.09	9.40	1.34	1.12	0.17
6.85	0.80	0.60	0.09	9.45	1.35	1.14	0.17
6.90	0.81	0.60	0.10	9.50	1.37	1.15	0.18
6.95	0.81	0.61	0.10	9.55	1.39	1.17	0.18
7.00	0.82	0.62	0.10	9.60	1.40	1.18	0.18
7.05	0.83	0.63	0.10	9.65	1.42	1.20	0.19
7.10	0.84	0.64	0.10	9.70	1.43	1.21	0.19
7.15	0.85	0.65	0.10	9.75	1.45	1.23	0.19
7.20	0.86	0.65	0.10	9.80	1.47	1.25	0.20
7.25	0.87	0.66	0.10	9.85	1.49	1.27	0.20
7.30	0.88	0.67	0.10	9.90	1.50	1.28	0.21
7.35	0.89	0.68	0.10	9.95	1.52	1.30	0.21
7.40	0.89	0.69	0.11	10.00	1.54	1.32	0.21
7.45	0.90	0.70	0.11	10.05	1.56	1.34	0.22
7.50	0.91	0.71	0.11	10.10	1.58	1.36	0.22
7.55	0.92	0.72	0.11	10.15	1.60	1.37	0.23
7.60	0.93	0.73	0.11	10.20	1.62	1.39	0.23
7.65	0.94	0.73	0.11	10.25	1.64	1.41	0.23
7.70	0.95	0.74	0.11	10.30	1.66	1.43	0.24
7.75	0.96	0.75	0.11	10.35	1.68	1.45	0.24

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.24	13.00	6.41	6.18	0.46
10.45	1.72	1.50	0.25	13.05	6.45	6.21	0.44
10.50	1.74	1.52	0.25	13.10	6.48	6.24	0.41
10.55	1.76	1.54	0.26	13.15	6.51	6.27	0.39
10.60	1.79	1.56	0.28	13.20	6.54	6.30	0.38
10.65	1.81	1.59	0.29	13.25	6.57	6.33	0.36
10.70	1.84	1.62	0.31	13.30	6.60	6.36	0.35
10.75	1.87	1.64	0.32	13.35	6.63	6.39	0.33
10.80	1.90	1.67	0.34	13.40	6.65	6.41	0.32
10.85	1.93	1.70	0.35	13.45	6.68	6.44	0.30
10.90	1.96	1.73	0.37	13.50	6.70	6.46	0.29
10.95	1.99	1.77	0.38	13.55	6.72	6.48	0.27
11.00	2.03	1.80	0.40	13.60	6.74	6.50	0.26
11.05	2.06	1.84	0.42	13.65	6.76	6.53	0.25
11.10	2.10	1.87	0.45	13.70	6.78	6.55	0.25
11.15	2.14	1.92	0.47	13.75	6.80	6.57	0.25
11.20	2.19	1.96	0.50	13.80	6.82	6.59	0.24
11.25	2.23	2.01	0.53	13.85	6.84	6.61	0.24
11.30	2.28	2.05	0.56	13.90	6.86	6.62	0.23
11.35	2.33	2.10	0.58	13.95	6.88	6.64	0.23
11.40	2.38	2.16	0.61	14.00	6.90	6.66	0.23
11.45	2.44	2.21	0.63	14.05	6.92	6.68	0.22
11.50	2.49	2.26	0.66	14.10	6.94	6.70	0.22
11.55	2.58	2.35	0.80	14.15	6.95	6.72	0.22
11.60	2.66	2.43	0.98	14.20	6.97	6.73	0.21
11.65	2.75	2.52	1.03	14.25	6.99	6.75	0.21
11.70	2.84	2.61	1.07	14.30	7.01	6.77	0.20
11.75	2.97	2.74	1.23	14.35	7.02	6.78	0.20
11.80	3.09	2.86	1.43	14.40	7.04	6.80	0.20
11.85	3.26	3.03	1.69	14.45	7.05	6.82	0.19
11.90	3.43	3.20	1.99	14.50	7.07	6.83	0.19
11.95	3.73	3.49	2.62	14.55	7.09	6.85	0.18
12.00	4.02	3.79	3.37	14.60	7.10	6.86	0.18
12.05	4.52	4.28	4.44	14.65	7.11	6.88	0.18
12.10	5.01	4.77	**5.61**	14.70	7.13	6.89	0.17
12.15	5.18	4.94	4.35	14.75	7.14	6.90	0.17
12.20	5.35	5.11	2.49	14.80	7.16	6.92	0.17
12.25	5.47	5.24	1.89	14.85	7.17	6.93	0.16
12.30	5.60	5.36	1.55	14.90	7.18	6.94	0.16
12.35	5.69	5.45	1.33	14.95	7.19	6.96	0.15
12.40	5.78	5.54	1.13	15.00	7.21	6.97	0.15
12.45	5.86	5.62	1.06	15.05	7.22	6.98	0.15
12.50	5.95	5.71	1.03	15.10	7.23	6.99	0.14
12.55	6.00	5.76	0.88	15.15	7.24	7.00	0.14
12.60	6.06	5.82	0.70	15.20	7.25	7.02	0.14
12.65	6.11	5.87	0.65	15.25	7.27	7.03	0.14
12.70	6.16	5.92	0.62	15.30	7.28	7.04	0.14
12.75	6.21	5.97	0.60	15.35	7.29	7.05	0.14
12.80	6.25	6.02	0.57	15.40	7.30	7.06	0.14
12.85	6.30	6.06	0.54	15.45	7.31	7.07	0.14
12.90	6.34	6.10	0.52	15.50	7.32	7.08	0.13
12.95	6.38	6.14	0.49	15.55	7.33	7.09	0.13

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.13	18.20	7.80	7.56	0.08
15.65	7.36	7.12	0.13	18.25	7.80	7.57	0.08
15.70	7.37	7.13	0.13	18.30	7.81	7.57	0.08
15.75	7.38	7.14	0.13	18.35	7.82	7.58	0.08
15.80	7.39	7.15	0.13	18.40	7.82	7.59	0.08
15.85	7.40	7.16	0.13	18.45	7.83	7.59	0.08
15.90	7.41	7.17	0.13	18.50	7.84	7.60	0.08
15.95	7.42	7.18	0.13	18.55	7.84	7.61	0.08
16.00	7.43	7.19	0.12	18.60	7.85	7.61	0.08
16.05	7.44	7.20	0.12	18.65	7.86	7.62	0.08
16.10	7.45	7.21	0.12	18.70	7.86	7.62	0.08
16.15	7.46	7.22	0.12	18.75	7.87	7.63	0.08
16.20	7.47	7.23	0.12	18.80	7.88	7.64	0.08
16.25	7.48	7.24	0.12	18.85	7.88	7.64	0.08
16.30	7.49	7.25	0.12	18.90	7.89	7.65	0.08
16.35	7.50	7.26	0.12	18.95	7.90	7.66	0.08
16.40	7.51	7.27	0.12	19.00	7.90	7.66	0.08
16.45	7.52	7.28	0.12	19.05	7.91	7.67	0.08
16.50	7.53	7.29	0.11	19.10	7.92	7.68	0.08
16.55	7.54	7.30	0.11	19.15	7.92	7.68	0.08
16.60	7.55	7.31	0.11	19.20	7.93	7.69	0.08
16.65	7.55	7.32	0.11	19.25	7.93	7.70	0.08
16.70	7.56	7.32	0.11	19.30	7.94	7.70	0.08
16.75	7.57	7.33	0.11	19.35	7.95	7.71	0.08
16.80	7.58	7.34	0.11	19.40	7.95	7.71	0.08
16.85	7.59	7.35	0.11	19.45	7.96	7.72	0.07
16.90	7.60	7.36	0.11	19.50	7.97	7.73	0.07
16.95	7.61	7.37	0.11	19.55	7.97	7.73	0.07
17.00	7.62	7.38	0.10	19.60	7.98	7.74	0.07
17.05	7.63	7.39	0.10	19.65	7.98	7.74	0.07
17.10	7.63	7.39	0.10	19.70	7.99	7.75	0.07
17.15	7.64	7.40	0.10	19.75	8.00	7.76	0.07
17.20	7.65	7.41	0.10	19.80	8.00	7.76	0.07
17.25	7.66	7.42	0.10	19.85	8.01	7.77	0.07
17.30	7.67	7.43	0.10	19.90	8.01	7.78	0.07
17.35	7.67	7.43	0.10	19.95	8.02	7.78	0.07
17.40	7.68	7.44	0.10	20.00	8.03	7.79	0.07
17.45	7.69	7.45	0.10	20.05	8.03	7.79	0.07
17.50	7.70	7.46	0.09	20.10	8.04	7.80	0.07
17.55	7.71	7.47	0.09	20.15	8.04	7.80	0.07
17.60	7.71	7.47	0.09	20.20	8.05	7.81	0.07
17.65	7.72	7.48	0.09	20.25	8.06	7.82	0.07
17.70	7.73	7.49	0.09	20.30	8.06	7.82	0.07
17.75	7.74	7.50	0.09	20.35	8.07	7.83	0.07
17.80	7.74	7.50	0.09	20.40	8.07	7.83	0.07
17.85	7.75	7.51	0.09	20.45	8.08	7.84	0.07
17.90	7.76	7.52	0.09	20.50	8.09	7.85	0.07
17.95	7.76	7.52	0.08	20.55	8.09	7.85	0.07
18.00	7.77	7.53	0.08	20.60	8.10	7.86	0.07
18.05	7.78	7.54	0.08	20.65	8.10	7.86	0.07
18.10	7.78	7.55	0.08	20.70	8.11	7.87	0.07
18.15	7.79	7.55	0.08	20.75	8.11	7.87	0.07

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.07	23.40	8.38	8.14	0.06
20.85	8.13	7.89	0.07	23.45	8.39	8.15	0.05
20.90	8.13	7.89	0.07	23.50	8.39	8.15	0.05
20.95	8.14	7.90	0.07	23.55	8.40	8.16	0.05
21.00	8.14	7.90	0.07	23.60	8.40	8.16	0.05
21.05	8.15	7.91	0.07	23.65	8.41	8.17	0.05
21.10	8.15	7.91	0.07	23.70	8.41	8.17	0.05
21.15	8.16	7.92	0.07	23.75	8.42	8.18	0.05
21.20	8.16	7.92	0.07	23.80	8.42	8.18	0.05
21.25	8.17	7.93	0.07	23.85	8.42	8.18	0.05
21.30	8.18	7.94	0.07	23.90	8.43	8.19	0.05
21.35	8.18	7.94	0.07	23.95	8.43	8.19	0.06
21.40	8.19	7.95	0.06	24.00	**8.44**	**8.20**	0.06
21.45	8.19	7.95	0.06	24.05	8.44	8.20	0.04
21.50	8.20	7.96	0.06	24.10	8.44	8.20	0.01
21.55	8.20	7.96	0.06	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.06	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.06	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.06	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.06	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.06	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.06	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.06	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.06	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.06	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.06	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.06	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.06	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.06	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.06	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.06	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.06	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.06	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.06	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.06	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.06	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.06	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.06	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.06	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.06	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.06	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.06	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.06	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.06	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.06	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.06	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.06	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.06	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.06	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.06	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.06	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.06	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

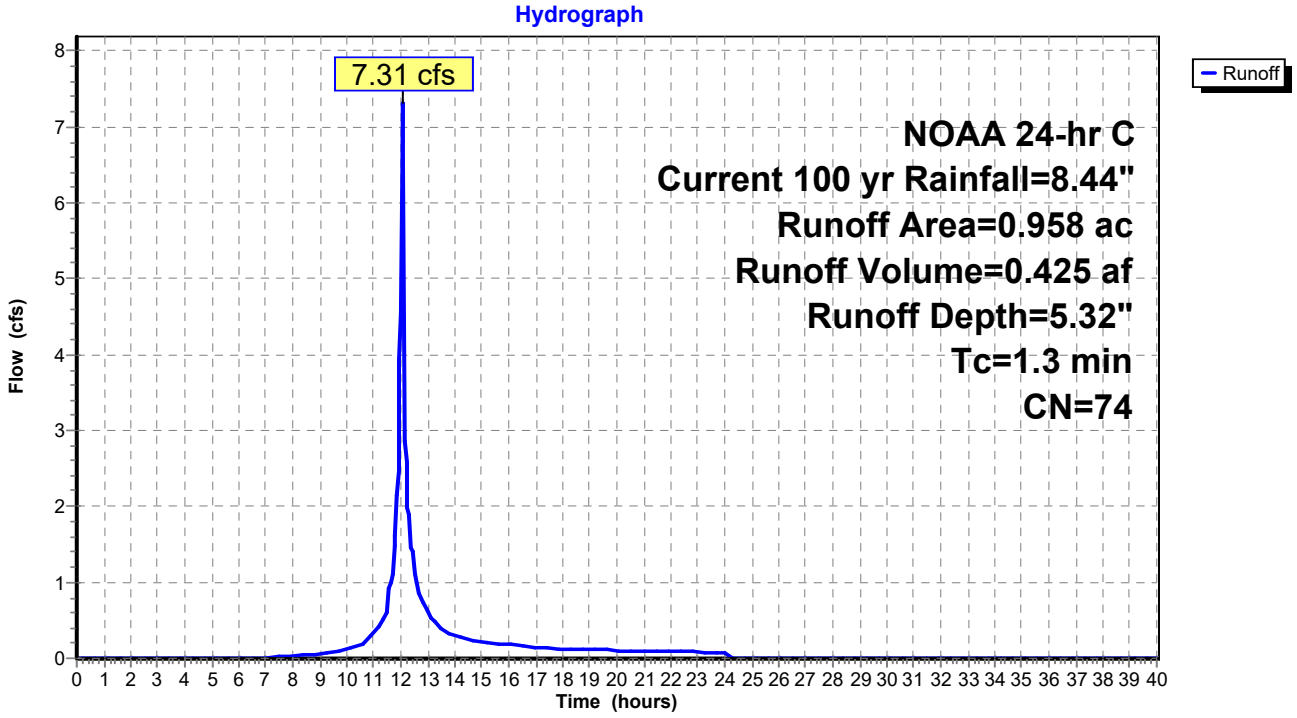
Runoff = 7.31 cfs @ 12.07 hrs, Volume= 0.425 af, Depth= 5.32"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.06
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.07
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.07
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.08
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.09
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.09
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.10
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.10
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.10
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.11
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.11
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.11
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.12
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.12
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.13
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.13
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.14
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.14
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.14
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.15
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.15

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.16	13.00	6.41	3.54	0.62
10.45	1.72	0.23	0.16	13.05	6.45	3.57	0.56
10.50	1.74	0.24	0.17	13.10	6.48	3.59	0.55
10.55	1.76	0.25	0.19	13.15	6.51	3.62	0.52
10.60	1.79	0.26	0.19	13.20	6.54	3.65	0.51
10.65	1.81	0.27	0.21	13.25	6.57	3.67	0.48
10.70	1.84	0.28	0.22	13.30	6.60	3.70	0.47
10.75	1.87	0.29	0.24	13.35	6.63	3.72	0.44
10.80	1.90	0.30	0.25	13.40	6.65	3.74	0.43
10.85	1.93	0.32	0.27	13.45	6.68	3.76	0.40
10.90	1.96	0.33	0.28	13.50	6.70	3.78	0.39
10.95	1.99	0.35	0.30	13.55	6.72	3.80	0.36
11.00	2.03	0.36	0.31	13.60	6.74	3.82	0.36
11.05	2.06	0.38	0.35	13.65	6.76	3.84	0.35
11.10	2.10	0.40	0.36	13.70	6.78	3.85	0.34
11.15	2.14	0.42	0.40	13.75	6.80	3.87	0.34
11.20	2.19	0.44	0.42	13.80	6.82	3.89	0.33
11.25	2.23	0.46	0.46	13.85	6.84	3.91	0.33
11.30	2.28	0.49	0.48	13.90	6.86	3.92	0.32
11.35	2.33	0.52	0.53	13.95	6.88	3.94	0.32
11.40	2.38	0.54	0.54	14.00	6.90	3.96	0.31
11.45	2.44	0.57	0.58	14.05	6.92	3.97	0.31
11.50	2.49	0.60	0.64	14.10	6.94	3.99	0.30
11.55	2.58	0.65	0.93	14.15	6.95	4.00	0.30
11.60	2.66	0.70	0.97	14.20	6.97	4.02	0.29
11.65	2.75	0.76	1.03	14.25	6.99	4.03	0.28
11.70	2.84	0.81	1.11	14.30	7.01	4.05	0.28
11.75	2.97	0.89	1.47	14.35	7.02	4.06	0.27
11.80	3.09	0.97	1.60	14.40	7.04	4.08	0.27
11.85	3.26	1.08	2.15	14.45	7.05	4.09	0.26
11.90	3.43	1.19	2.46	14.50	7.07	4.10	0.26
11.95	3.73	1.40	3.92	14.55	7.09	4.12	0.25
12.00	4.02	1.61	4.53	14.60	7.10	4.13	0.25
12.05	4.52	1.98	**7.09**	14.65	7.11	4.14	0.24
12.10	5.01	2.37	6.79	14.70	7.13	4.15	0.24
12.15	5.18	2.51	2.86	14.75	7.14	4.17	0.23
12.20	5.35	2.65	2.58	14.80	7.16	4.18	0.23
12.25	5.47	2.75	1.98	14.85	7.17	4.19	0.22
12.30	5.60	2.85	1.88	14.90	7.18	4.20	0.22
12.35	5.69	2.92	1.46	14.95	7.19	4.21	0.21
12.40	5.78	3.00	1.43	15.00	7.21	4.22	0.21
12.45	5.86	3.07	1.38	15.05	7.22	4.23	0.20
12.50	5.95	3.14	1.31	15.10	7.23	4.24	0.20
12.55	6.00	3.19	0.91	15.15	7.24	4.25	0.20
12.60	6.06	3.23	0.89	15.20	7.25	4.26	0.20
12.65	6.11	3.28	0.84	15.25	7.27	4.27	0.19
12.70	6.16	3.32	0.83	15.30	7.28	4.28	0.19
12.75	6.21	3.36	0.77	15.35	7.29	4.29	0.19
12.80	6.25	3.40	0.76	15.40	7.30	4.30	0.19
12.85	6.30	3.44	0.70	15.45	7.31	4.31	0.19
12.90	6.34	3.47	0.69	15.50	7.32	4.32	0.19
12.95	6.38	3.50	0.63	15.55	7.33	4.33	0.19

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.19	18.20	7.80	4.75	0.12
15.65	7.36	4.35	0.18	18.25	7.80	4.75	0.12
15.70	7.37	4.36	0.18	18.30	7.81	4.76	0.12
15.75	7.38	4.37	0.18	18.35	7.82	4.76	0.11
15.80	7.39	4.38	0.18	18.40	7.82	4.77	0.11
15.85	7.40	4.39	0.18	18.45	7.83	4.78	0.11
15.90	7.41	4.40	0.18	18.50	7.84	4.78	0.11
15.95	7.42	4.41	0.18	18.55	7.84	4.79	0.11
16.00	7.43	4.42	0.18	18.60	7.85	4.79	0.11
16.05	7.44	4.43	0.17	18.65	7.86	4.80	0.11
16.10	7.45	4.44	0.17	18.70	7.86	4.80	0.11
16.15	7.46	4.44	0.17	18.75	7.87	4.81	0.11
16.20	7.47	4.45	0.17	18.80	7.88	4.82	0.11
16.25	7.48	4.46	0.17	18.85	7.88	4.82	0.11
16.30	7.49	4.47	0.17	18.90	7.89	4.83	0.11
16.35	7.50	4.48	0.17	18.95	7.90	4.83	0.11
16.40	7.51	4.49	0.16	19.00	7.90	4.84	0.11
16.45	7.52	4.50	0.16	19.05	7.91	4.84	0.11
16.50	7.53	4.50	0.16	19.10	7.92	4.85	0.11
16.55	7.54	4.51	0.16	19.15	7.92	4.86	0.11
16.60	7.55	4.52	0.16	19.20	7.93	4.86	0.11
16.65	7.55	4.53	0.16	19.25	7.93	4.87	0.11
16.70	7.56	4.54	0.16	19.30	7.94	4.87	0.11
16.75	7.57	4.55	0.15	19.35	7.95	4.88	0.11
16.80	7.58	4.55	0.15	19.40	7.95	4.88	0.11
16.85	7.59	4.56	0.15	19.45	7.96	4.89	0.11
16.90	7.60	4.57	0.15	19.50	7.97	4.90	0.11
16.95	7.61	4.58	0.15	19.55	7.97	4.90	0.11
17.00	7.62	4.58	0.15	19.60	7.98	4.91	0.11
17.05	7.63	4.59	0.15	19.65	7.98	4.91	0.11
17.10	7.63	4.60	0.14	19.70	7.99	4.92	0.11
17.15	7.64	4.61	0.14	19.75	8.00	4.92	0.11
17.20	7.65	4.61	0.14	19.80	8.00	4.93	0.11
17.25	7.66	4.62	0.14	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.14	19.90	8.01	4.94	0.10
17.35	7.67	4.64	0.14	19.95	8.02	4.94	0.10
17.40	7.68	4.64	0.14	20.00	8.03	4.95	0.10
17.45	7.69	4.65	0.13	20.05	8.03	4.96	0.10
17.50	7.70	4.66	0.13	20.10	8.04	4.96	0.10
17.55	7.71	4.66	0.13	20.15	8.04	4.97	0.10
17.60	7.71	4.67	0.13	20.20	8.05	4.97	0.10
17.65	7.72	4.68	0.13	20.25	8.06	4.98	0.10
17.70	7.73	4.68	0.13	20.30	8.06	4.98	0.10
17.75	7.74	4.69	0.13	20.35	8.07	4.99	0.10
17.80	7.74	4.70	0.12	20.40	8.07	4.99	0.10
17.85	7.75	4.70	0.12	20.45	8.08	5.00	0.10
17.90	7.76	4.71	0.12	20.50	8.09	5.00	0.10
17.95	7.76	4.72	0.12	20.55	8.09	5.01	0.10
18.00	7.77	4.72	0.12	20.60	8.10	5.01	0.10
18.05	7.78	4.73	0.12	20.65	8.10	5.02	0.10
18.10	7.78	4.73	0.12	20.70	8.11	5.02	0.10
18.15	7.79	4.74	0.12	20.75	8.11	5.03	0.10

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.10	23.40	8.38	5.27	0.08
20.85	8.13	5.04	0.10	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.10	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.10	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.10	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.10	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.09
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.09	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.09	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.09	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.09	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.09	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.09	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.09	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.09	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.09	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.09	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.09	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.09	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.08	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.08	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.08	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.08	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

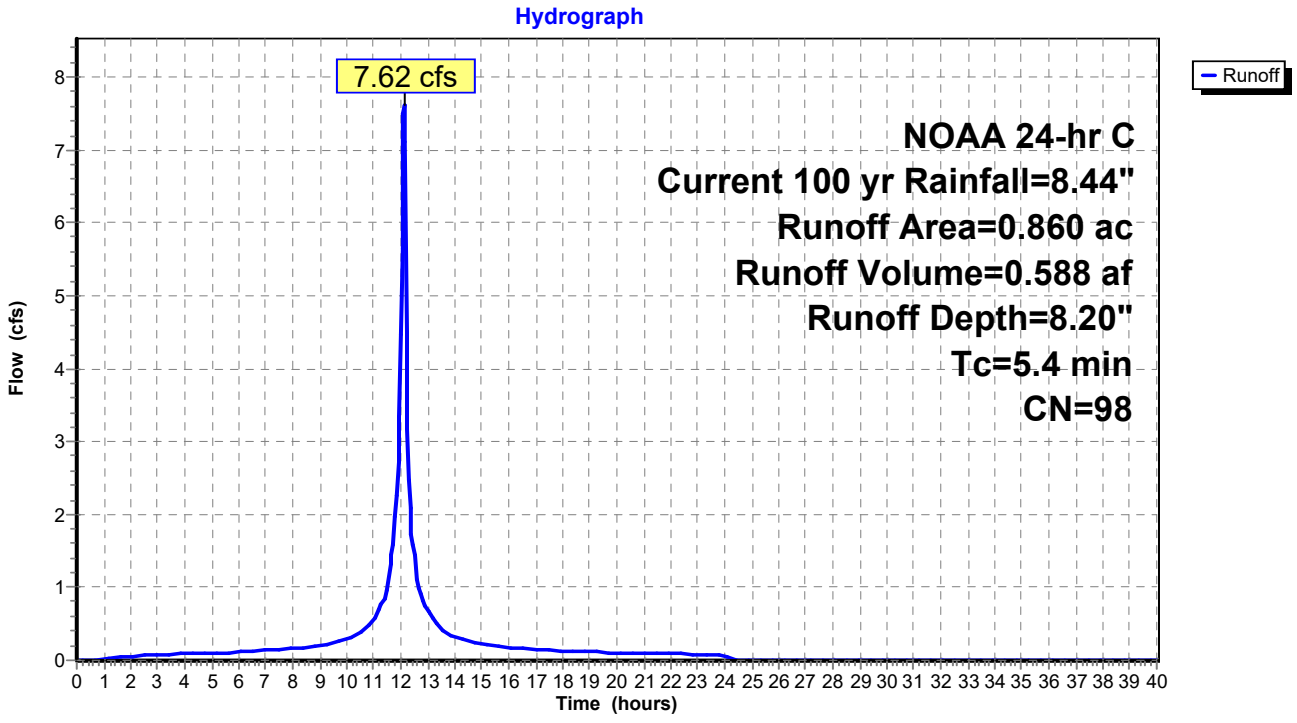
Runoff = 7.62 cfs @ 12.12 hrs, Volume= 0.588 af, Depth= 8.20"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.07
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.07
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.07
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.07
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.07
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.07
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.08
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.08
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.08
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.08
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.08
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.08
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.08
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.08
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.08
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.08
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.08
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.08
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.08
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.09
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.09
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.09
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.09
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.09
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.09
1.35	0.13	0.02	0.04	3.95	0.41	0.24	0.09
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.09
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.09
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.09
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.09
1.60	0.15	0.04	0.05	4.20	0.44	0.26	0.09
1.65	0.16	0.04	0.05	4.25	0.44	0.27	0.09
1.70	0.16	0.04	0.05	4.30	0.45	0.27	0.09
1.75	0.17	0.05	0.05	4.35	0.46	0.28	0.09
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.09
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.09
1.90	0.18	0.06	0.06	4.50	0.47	0.29	0.10
1.95	0.19	0.06	0.06	4.55	0.48	0.30	0.10
2.00	0.19	0.06	0.06	4.60	0.49	0.31	0.10
2.05	0.20	0.07	0.06	4.65	0.49	0.31	0.10
2.10	0.20	0.07	0.06	4.70	0.50	0.32	0.10
2.15	0.21	0.07	0.06	4.75	0.51	0.32	0.10
2.20	0.21	0.08	0.06	4.80	0.51	0.33	0.10
2.25	0.22	0.08	0.06	4.85	0.52	0.33	0.10
2.30	0.22	0.09	0.06	4.90	0.52	0.34	0.10
2.35	0.23	0.09	0.07	4.95	0.53	0.35	0.10
2.40	0.23	0.09	0.07	5.00	0.54	0.35	0.10
2.45	0.24	0.10	0.07	5.05	0.54	0.36	0.10
2.50	0.24	0.10	0.07	5.10	0.55	0.36	0.10
2.55	0.25	0.10	0.07	5.15	0.56	0.37	0.10

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.10	7.80	0.97	0.76	0.16
5.25	0.57	0.38	0.10	7.85	0.98	0.77	0.16
5.30	0.58	0.39	0.10	7.90	0.99	0.78	0.17
5.35	0.58	0.39	0.10	7.95	1.00	0.79	0.17
5.40	0.59	0.40	0.10	8.00	1.01	0.80	0.17
5.45	0.60	0.41	0.11	8.05	1.02	0.81	0.17
5.50	0.60	0.41	0.11	8.10	1.03	0.82	0.17
5.55	0.61	0.42	0.11	8.15	1.04	0.83	0.17
5.60	0.62	0.42	0.11	8.20	1.05	0.84	0.18
5.65	0.62	0.43	0.11	8.25	1.06	0.85	0.18
5.70	0.63	0.44	0.11	8.30	1.07	0.86	0.18
5.75	0.64	0.44	0.11	8.35	1.08	0.87	0.18
5.80	0.64	0.45	0.11	8.40	1.10	0.88	0.18
5.85	0.65	0.45	0.11	8.45	1.11	0.89	0.18
5.90	0.66	0.46	0.11	8.50	1.12	0.91	0.18
5.95	0.66	0.47	0.11	8.55	1.13	0.92	0.19
6.00	0.67	0.47	0.11	8.60	1.14	0.93	0.19
6.05	0.68	0.48	0.11	8.65	1.15	0.94	0.19
6.10	0.68	0.49	0.11	8.70	1.16	0.95	0.19
6.15	0.69	0.49	0.11	8.75	1.17	0.96	0.19
6.20	0.70	0.50	0.12	8.80	1.19	0.97	0.19
6.25	0.70	0.51	0.12	8.85	1.20	0.98	0.19
6.30	0.71	0.51	0.12	8.90	1.21	0.99	0.20
6.35	0.72	0.52	0.12	8.95	1.22	1.01	0.20
6.40	0.73	0.53	0.12	9.00	1.23	1.02	0.20
6.45	0.73	0.54	0.12	9.05	1.25	1.03	0.20
6.50	0.74	0.54	0.12	9.10	1.26	1.04	0.21
6.55	0.75	0.55	0.13	9.15	1.27	1.05	0.21
6.60	0.76	0.56	0.13	9.20	1.28	1.07	0.22
6.65	0.77	0.57	0.13	9.25	1.30	1.08	0.22
6.70	0.77	0.57	0.13	9.30	1.31	1.09	0.23
6.75	0.78	0.58	0.13	9.35	1.33	1.11	0.24
6.80	0.79	0.59	0.13	9.40	1.34	1.12	0.24
6.85	0.80	0.60	0.13	9.45	1.35	1.14	0.25
6.90	0.81	0.60	0.14	9.50	1.37	1.15	0.25
6.95	0.81	0.61	0.14	9.55	1.39	1.17	0.26
7.00	0.82	0.62	0.14	9.60	1.40	1.18	0.26
7.05	0.83	0.63	0.14	9.65	1.42	1.20	0.27
7.10	0.84	0.64	0.14	9.70	1.43	1.21	0.27
7.15	0.85	0.65	0.14	9.75	1.45	1.23	0.28
7.20	0.86	0.65	0.15	9.80	1.47	1.25	0.28
7.25	0.87	0.66	0.15	9.85	1.49	1.27	0.29
7.30	0.88	0.67	0.15	9.90	1.50	1.28	0.30
7.35	0.89	0.68	0.15	9.95	1.52	1.30	0.30
7.40	0.89	0.69	0.15	10.00	1.54	1.32	0.31
7.45	0.90	0.70	0.15	10.05	1.56	1.34	0.31
7.50	0.91	0.71	0.15	10.10	1.58	1.36	0.32
7.55	0.92	0.72	0.16	10.15	1.60	1.37	0.32
7.60	0.93	0.73	0.16	10.20	1.62	1.39	0.33
7.65	0.94	0.73	0.16	10.25	1.64	1.41	0.33
7.70	0.95	0.74	0.16	10.30	1.66	1.43	0.34
7.75	0.96	0.75	0.16	10.35	1.68	1.45	0.34

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.35	13.00	6.41	6.18	0.68
10.45	1.72	1.50	0.36	13.05	6.45	6.21	0.65
10.50	1.74	1.52	0.36	13.10	6.48	6.24	0.60
10.55	1.76	1.54	0.37	13.15	6.51	6.27	0.58
10.60	1.79	1.56	0.40	13.20	6.54	6.30	0.55
10.65	1.81	1.59	0.41	13.25	6.57	6.33	0.53
10.70	1.84	1.62	0.44	13.30	6.60	6.36	0.51
10.75	1.87	1.64	0.45	13.35	6.63	6.39	0.49
10.80	1.90	1.67	0.48	13.40	6.65	6.41	0.47
10.85	1.93	1.70	0.50	13.45	6.68	6.44	0.45
10.90	1.96	1.73	0.52	13.50	6.70	6.46	0.42
10.95	1.99	1.77	0.54	13.55	6.72	6.48	0.41
11.00	2.03	1.80	0.56	13.60	6.74	6.50	0.38
11.05	2.06	1.84	0.59	13.65	6.76	6.53	0.37
11.10	2.10	1.87	0.63	13.70	6.78	6.55	0.36
11.15	2.14	1.92	0.66	13.75	6.80	6.57	0.36
11.20	2.19	1.96	0.71	13.80	6.82	6.59	0.35
11.25	2.23	2.01	0.74	13.85	6.84	6.61	0.35
11.30	2.28	2.05	0.79	13.90	6.86	6.62	0.34
11.35	2.33	2.10	0.82	13.95	6.88	6.64	0.34
11.40	2.38	2.16	0.87	14.00	6.90	6.66	0.33
11.45	2.44	2.21	0.90	14.05	6.92	6.68	0.32
11.50	2.49	2.26	0.93	14.10	6.94	6.70	0.32
11.55	2.58	2.35	1.05	14.15	6.95	6.72	0.31
11.60	2.66	2.43	1.32	14.20	6.97	6.73	0.31
11.65	2.75	2.52	1.45	14.25	6.99	6.75	0.30
11.70	2.84	2.61	1.52	14.30	7.01	6.77	0.30
11.75	2.97	2.74	1.66	14.35	7.02	6.78	0.29
11.80	3.09	2.86	1.96	14.40	7.04	6.80	0.28
11.85	3.26	3.03	2.26	14.45	7.05	6.82	0.28
11.90	3.43	3.20	2.71	14.50	7.07	6.83	0.27
11.95	3.73	3.49	3.34	14.55	7.09	6.85	0.27
12.00	4.02	3.79	4.48	14.60	7.10	6.86	0.26
12.05	4.52	4.28	5.65	14.65	7.11	6.88	0.26
12.10	5.01	4.77	**7.50**	14.70	7.13	6.89	0.25
12.15	5.18	4.94	7.10	14.75	7.14	6.90	0.25
12.20	5.35	5.11	4.49	14.80	7.16	6.92	0.24
12.25	5.47	5.24	3.18	14.85	7.17	6.93	0.24
12.30	5.60	5.36	2.47	14.90	7.18	6.94	0.23
12.35	5.69	5.45	2.09	14.95	7.19	6.96	0.23
12.40	5.78	5.54	1.74	15.00	7.21	6.97	0.22
12.45	5.86	5.62	1.58	15.05	7.22	6.98	0.21
12.50	5.95	5.71	1.51	15.10	7.23	6.99	0.21
12.55	6.00	5.76	1.38	15.15	7.24	7.00	0.21
12.60	6.06	5.82	1.11	15.20	7.25	7.02	0.20
12.65	6.11	5.87	0.98	15.25	7.27	7.03	0.20
12.70	6.16	5.92	0.92	15.30	7.28	7.04	0.20
12.75	6.21	5.97	0.88	15.35	7.29	7.05	0.20
12.80	6.25	6.02	0.84	15.40	7.30	7.06	0.20
12.85	6.30	6.06	0.80	15.45	7.31	7.07	0.20
12.90	6.34	6.10	0.76	15.50	7.32	7.08	0.19
12.95	6.38	6.14	0.73	15.55	7.33	7.09	0.19

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.19	18.20	7.80	7.56	0.12
15.65	7.36	7.12	0.19	18.25	7.80	7.57	0.12
15.70	7.37	7.13	0.19	18.30	7.81	7.57	0.12
15.75	7.38	7.14	0.19	18.35	7.82	7.58	0.12
15.80	7.39	7.15	0.19	18.40	7.82	7.59	0.12
15.85	7.40	7.16	0.18	18.45	7.83	7.59	0.12
15.90	7.41	7.17	0.18	18.50	7.84	7.60	0.12
15.95	7.42	7.18	0.18	18.55	7.84	7.61	0.11
16.00	7.43	7.19	0.18	18.60	7.85	7.61	0.11
16.05	7.44	7.20	0.18	18.65	7.86	7.62	0.11
16.10	7.45	7.21	0.18	18.70	7.86	7.62	0.11
16.15	7.46	7.22	0.18	18.75	7.87	7.63	0.11
16.20	7.47	7.23	0.17	18.80	7.88	7.64	0.11
16.25	7.48	7.24	0.17	18.85	7.88	7.64	0.11
16.30	7.49	7.25	0.17	18.90	7.89	7.65	0.11
16.35	7.50	7.26	0.17	18.95	7.90	7.66	0.11
16.40	7.51	7.27	0.17	19.00	7.90	7.66	0.11
16.45	7.52	7.28	0.17	19.05	7.91	7.67	0.11
16.50	7.53	7.29	0.16	19.10	7.92	7.68	0.11
16.55	7.54	7.30	0.16	19.15	7.92	7.68	0.11
16.60	7.55	7.31	0.16	19.20	7.93	7.69	0.11
16.65	7.55	7.32	0.16	19.25	7.93	7.70	0.11
16.70	7.56	7.32	0.16	19.30	7.94	7.70	0.11
16.75	7.57	7.33	0.16	19.35	7.95	7.71	0.11
16.80	7.58	7.34	0.16	19.40	7.95	7.71	0.11
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.11
16.90	7.60	7.36	0.15	19.50	7.97	7.73	0.11
16.95	7.61	7.37	0.15	19.55	7.97	7.73	0.11
17.00	7.62	7.38	0.15	19.60	7.98	7.74	0.11
17.05	7.63	7.39	0.15	19.65	7.98	7.74	0.11
17.10	7.63	7.39	0.15	19.70	7.99	7.75	0.11
17.15	7.64	7.40	0.15	19.75	8.00	7.76	0.11
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.11
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.11
17.30	7.67	7.43	0.14	19.90	8.01	7.78	0.11
17.35	7.67	7.43	0.14	19.95	8.02	7.78	0.10
17.40	7.68	7.44	0.14	20.00	8.03	7.79	0.10
17.45	7.69	7.45	0.14	20.05	8.03	7.79	0.10
17.50	7.70	7.46	0.14	20.10	8.04	7.80	0.10
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.10
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.10
17.65	7.72	7.48	0.13	20.25	8.06	7.82	0.10
17.70	7.73	7.49	0.13	20.30	8.06	7.82	0.10
17.75	7.74	7.50	0.13	20.35	8.07	7.83	0.10
17.80	7.74	7.50	0.13	20.40	8.07	7.83	0.10
17.85	7.75	7.51	0.13	20.45	8.08	7.84	0.10
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.10
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.10
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.10
18.05	7.78	7.54	0.12	20.65	8.10	7.86	0.10
18.10	7.78	7.55	0.12	20.70	8.11	7.87	0.10
18.15	7.79	7.55	0.12	20.75	8.11	7.87	0.10

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.10	23.40	8.38	8.14	0.08
20.85	8.13	7.89	0.10	23.45	8.39	8.15	0.08
20.90	8.13	7.89	0.10	23.50	8.39	8.15	0.08
20.95	8.14	7.90	0.10	23.55	8.40	8.16	0.08
21.00	8.14	7.90	0.10	23.60	8.40	8.16	0.08
21.05	8.15	7.91	0.10	23.65	8.41	8.17	0.08
21.10	8.15	7.91	0.10	23.70	8.41	8.17	0.08
21.15	8.16	7.92	0.10	23.75	8.42	8.18	0.08
21.20	8.16	7.92	0.10	23.80	8.42	8.18	0.08
21.25	8.17	7.93	0.10	23.85	8.42	8.18	0.08
21.30	8.18	7.94	0.10	23.90	8.43	8.19	0.08
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.08
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.09
21.45	8.19	7.95	0.09	24.05	8.44	8.20	0.07
21.50	8.20	7.96	0.09	24.10	8.44	8.20	0.03
21.55	8.20	7.96	0.09	24.15	8.44	8.20	0.01
21.60	8.21	7.97	0.09	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.09	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.09	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.09	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.09	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.09	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.09	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.09	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.09	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.09	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.09	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.09	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.09	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.09	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.09	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.09	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.09	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.09	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.09	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.09	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.09	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.09	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.08	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.08	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.08	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.08	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.08	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.08	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.08	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.08	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

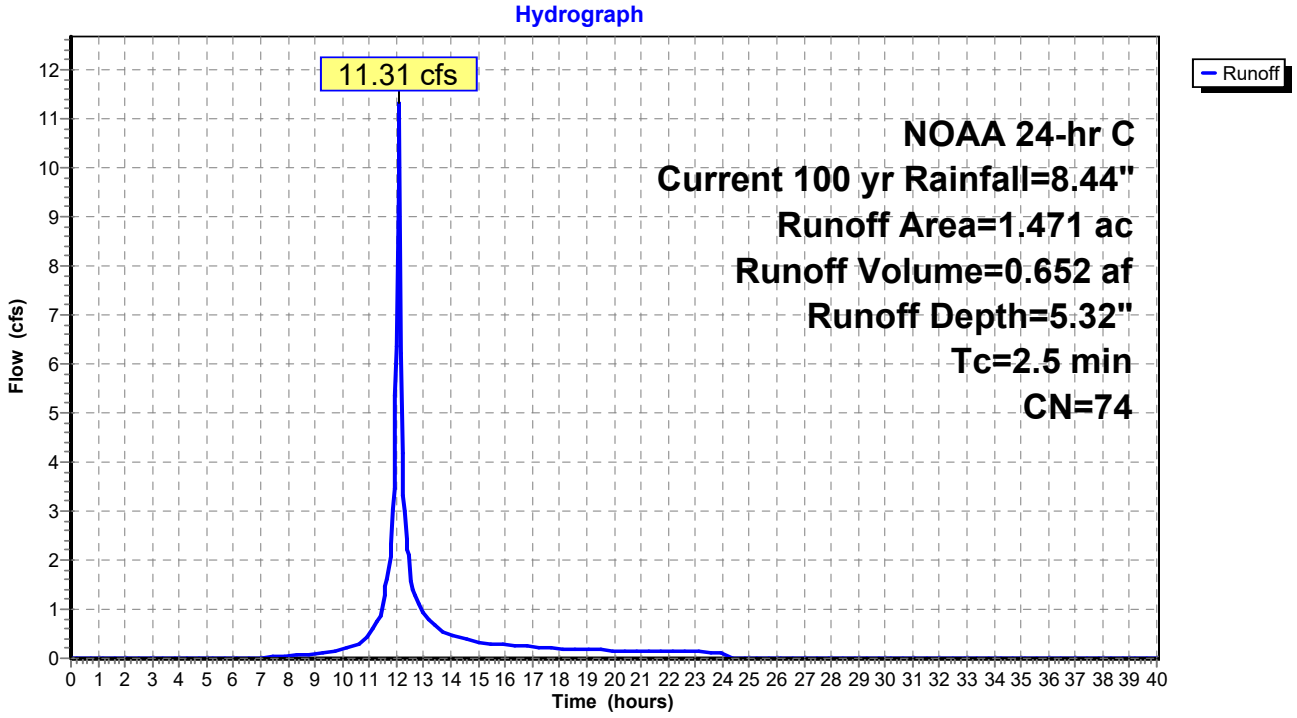
Runoff = 11.31 cfs @ 12.09 hrs, Volume= 0.652 af, Depth= 5.32"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.04
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.04
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.04
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.04
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.05
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.05
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.05
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.05
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.05
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.05
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.06
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.06
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.06
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.06
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.07
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.07
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.07
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.07
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.07
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.08
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.08
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.08
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.08
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.09
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.09
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.09
6.55	0.75	0.00	0.01	9.15	1.27	0.08	0.10
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.10
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.11
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.11
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.12
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.12
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.12
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.13
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.14
7.00	0.82	0.00	0.02	9.60	1.40	0.12	0.14
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.15
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.15
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.16
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.16
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.17
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.17
7.35	0.89	0.01	0.03	9.95	1.52	0.15	0.18
7.40	0.89	0.01	0.03	10.00	1.54	0.16	0.18
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.19
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.20
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.21
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.21
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.22
7.70	0.95	0.02	0.04	10.30	1.66	0.20	0.22
7.75	0.96	0.02	0.04	10.35	1.68	0.21	0.23

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.24	13.00	6.41	3.54	0.96
10.45	1.72	0.23	0.25	13.05	6.45	3.57	0.88
10.50	1.74	0.24	0.25	13.10	6.48	3.59	0.85
10.55	1.76	0.25	0.28	13.15	6.51	3.62	0.81
10.60	1.79	0.26	0.29	13.20	6.54	3.65	0.79
10.65	1.81	0.27	0.32	13.25	6.57	3.67	0.75
10.70	1.84	0.28	0.33	13.30	6.60	3.70	0.73
10.75	1.87	0.29	0.36	13.35	6.63	3.72	0.69
10.80	1.90	0.30	0.37	13.40	6.65	3.74	0.67
10.85	1.93	0.32	0.40	13.45	6.68	3.76	0.63
10.90	1.96	0.33	0.42	13.50	6.70	3.78	0.61
10.95	1.99	0.35	0.45	13.55	6.72	3.80	0.56
11.00	2.03	0.36	0.46	13.60	6.74	3.82	0.55
11.05	2.06	0.38	0.52	13.65	6.76	3.84	0.54
11.10	2.10	0.40	0.54	13.70	6.78	3.85	0.53
11.15	2.14	0.42	0.60	13.75	6.80	3.87	0.52
11.20	2.19	0.44	0.63	13.80	6.82	3.89	0.52
11.25	2.23	0.46	0.69	13.85	6.84	3.91	0.50
11.30	2.28	0.49	0.72	13.90	6.86	3.92	0.50
11.35	2.33	0.52	0.79	13.95	6.88	3.94	0.49
11.40	2.38	0.54	0.82	14.00	6.90	3.96	0.48
11.45	2.44	0.57	0.87	14.05	6.92	3.97	0.47
11.50	2.49	0.60	0.92	14.10	6.94	3.99	0.47
11.55	2.58	0.65	1.29	14.15	6.95	4.00	0.46
11.60	2.66	0.70	1.46	14.20	6.97	4.02	0.45
11.65	2.75	0.76	1.55	14.25	6.99	4.03	0.44
11.70	2.84	0.81	1.63	14.30	7.01	4.05	0.44
11.75	2.97	0.89	2.09	14.35	7.02	4.06	0.42
11.80	3.09	0.97	2.33	14.40	7.04	4.08	0.42
11.85	3.26	1.08	3.04	14.45	7.05	4.09	0.41
11.90	3.43	1.19	3.45	14.50	7.07	4.10	0.41
11.95	3.73	1.40	5.34	14.55	7.09	4.12	0.39
12.00	4.02	1.61	6.35	14.60	7.10	4.13	0.39
12.05	4.52	1.98	9.67	14.65	7.11	4.14	0.38
12.10	5.01	2.37	**11.07**	14.70	7.13	4.15	0.37
12.15	5.18	2.51	6.19	14.75	7.14	4.17	0.36
12.20	5.35	2.65	4.18	14.80	7.16	4.18	0.36
12.25	5.47	2.75	3.31	14.85	7.17	4.19	0.34
12.30	5.60	2.85	2.99	14.90	7.18	4.20	0.34
12.35	5.69	2.92	2.43	14.95	7.19	4.21	0.33
12.40	5.78	3.00	2.22	15.00	7.21	4.22	0.32
12.45	5.86	3.07	2.14	15.05	7.22	4.23	0.31
12.50	5.95	3.14	2.10	15.10	7.23	4.24	0.31
12.55	6.00	3.19	1.59	15.15	7.24	4.25	0.30
12.60	6.06	3.23	1.38	15.20	7.25	4.26	0.30
12.65	6.11	3.28	1.32	15.25	7.27	4.27	0.30
12.70	6.16	3.32	1.29	15.30	7.28	4.28	0.30
12.75	6.21	3.36	1.21	15.35	7.29	4.29	0.30
12.80	6.25	3.40	1.18	15.40	7.30	4.30	0.30
12.85	6.30	3.44	1.11	15.45	7.31	4.31	0.29
12.90	6.34	3.47	1.07	15.50	7.32	4.32	0.29
12.95	6.38	3.50	0.99	15.55	7.33	4.33	0.29

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.29	18.20	7.80	4.75	0.18
15.65	7.36	4.35	0.28	18.25	7.80	4.75	0.18
15.70	7.37	4.36	0.28	18.30	7.81	4.76	0.18
15.75	7.38	4.37	0.28	18.35	7.82	4.76	0.18
15.80	7.39	4.38	0.28	18.40	7.82	4.77	0.18
15.85	7.40	4.39	0.28	18.45	7.83	4.78	0.18
15.90	7.41	4.40	0.27	18.50	7.84	4.78	0.18
15.95	7.42	4.41	0.27	18.55	7.84	4.79	0.17
16.00	7.43	4.42	0.27	18.60	7.85	4.79	0.17
16.05	7.44	4.43	0.27	18.65	7.86	4.80	0.17
16.10	7.45	4.44	0.27	18.70	7.86	4.80	0.17
16.15	7.46	4.44	0.26	18.75	7.87	4.81	0.17
16.20	7.47	4.45	0.26	18.80	7.88	4.82	0.17
16.25	7.48	4.46	0.26	18.85	7.88	4.82	0.17
16.30	7.49	4.47	0.26	18.90	7.89	4.83	0.17
16.35	7.50	4.48	0.25	18.95	7.90	4.83	0.17
16.40	7.51	4.49	0.25	19.00	7.90	4.84	0.17
16.45	7.52	4.50	0.25	19.05	7.91	4.84	0.17
16.50	7.53	4.50	0.25	19.10	7.92	4.85	0.17
16.55	7.54	4.51	0.25	19.15	7.92	4.86	0.17
16.60	7.55	4.52	0.24	19.20	7.93	4.86	0.17
16.65	7.55	4.53	0.24	19.25	7.93	4.87	0.17
16.70	7.56	4.54	0.24	19.30	7.94	4.87	0.17
16.75	7.57	4.55	0.24	19.35	7.95	4.88	0.17
16.80	7.58	4.55	0.24	19.40	7.95	4.88	0.17
16.85	7.59	4.56	0.23	19.45	7.96	4.89	0.16
16.90	7.60	4.57	0.23	19.50	7.97	4.90	0.16
16.95	7.61	4.58	0.23	19.55	7.97	4.90	0.16
17.00	7.62	4.58	0.23	19.60	7.98	4.91	0.16
17.05	7.63	4.59	0.22	19.65	7.98	4.91	0.16
17.10	7.63	4.60	0.22	19.70	7.99	4.92	0.16
17.15	7.64	4.61	0.22	19.75	8.00	4.92	0.16
17.20	7.65	4.61	0.22	19.80	8.00	4.93	0.16
17.25	7.66	4.62	0.21	19.85	8.01	4.93	0.16
17.30	7.67	4.63	0.21	19.90	8.01	4.94	0.16
17.35	7.67	4.64	0.21	19.95	8.02	4.94	0.16
17.40	7.68	4.64	0.21	20.00	8.03	4.95	0.16
17.45	7.69	4.65	0.21	20.05	8.03	4.96	0.16
17.50	7.70	4.66	0.21	20.10	8.04	4.96	0.16
17.55	7.71	4.66	0.20	20.15	8.04	4.97	0.16
17.60	7.71	4.67	0.20	20.20	8.05	4.97	0.16
17.65	7.72	4.68	0.20	20.25	8.06	4.98	0.16
17.70	7.73	4.68	0.20	20.30	8.06	4.98	0.16
17.75	7.74	4.69	0.19	20.35	8.07	4.99	0.16
17.80	7.74	4.70	0.19	20.40	8.07	4.99	0.15
17.85	7.75	4.70	0.19	20.45	8.08	5.00	0.15
17.90	7.76	4.71	0.19	20.50	8.09	5.00	0.15
17.95	7.76	4.72	0.19	20.55	8.09	5.01	0.15
18.00	7.77	4.72	0.18	20.60	8.10	5.01	0.15
18.05	7.78	4.73	0.18	20.65	8.10	5.02	0.15
18.10	7.78	4.73	0.18	20.70	8.11	5.02	0.15
18.15	7.79	4.74	0.18	20.75	8.11	5.03	0.15

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.15	23.40	8.38	5.27	0.12
20.85	8.13	5.04	0.15	23.45	8.39	5.28	0.12
20.90	8.13	5.04	0.15	23.50	8.39	5.28	0.12
20.95	8.14	5.05	0.15	23.55	8.40	5.28	0.12
21.00	8.14	5.05	0.15	23.60	8.40	5.29	0.12
21.05	8.15	5.06	0.15	23.65	8.41	5.29	0.12
21.10	8.15	5.06	0.15	23.70	8.41	5.30	0.12
21.15	8.16	5.07	0.15	23.75	8.42	5.30	0.12
21.20	8.16	5.07	0.15	23.80	8.42	5.30	0.12
21.25	8.17	5.08	0.15	23.85	8.42	5.31	0.12
21.30	8.18	5.08	0.15	23.90	8.43	5.31	0.12
21.35	8.18	5.09	0.14	23.95	8.43	5.32	0.14
21.40	8.19	5.09	0.14	24.00	**8.44**	**5.32**	0.14
21.45	8.19	5.10	0.14	24.05	8.44	5.32	0.04
21.50	8.20	5.10	0.14	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.14	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.14	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.14	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.14	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.14	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.14	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.14	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.14	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.14	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.14	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.14	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.14	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.14	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.14	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.13	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.13	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.13	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.13	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.13	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.13	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.13	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.13	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.13	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.13	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.13	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.13	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.13	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.13	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.13	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.13	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.13	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.13	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.12	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.12	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.12	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.12	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.12	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

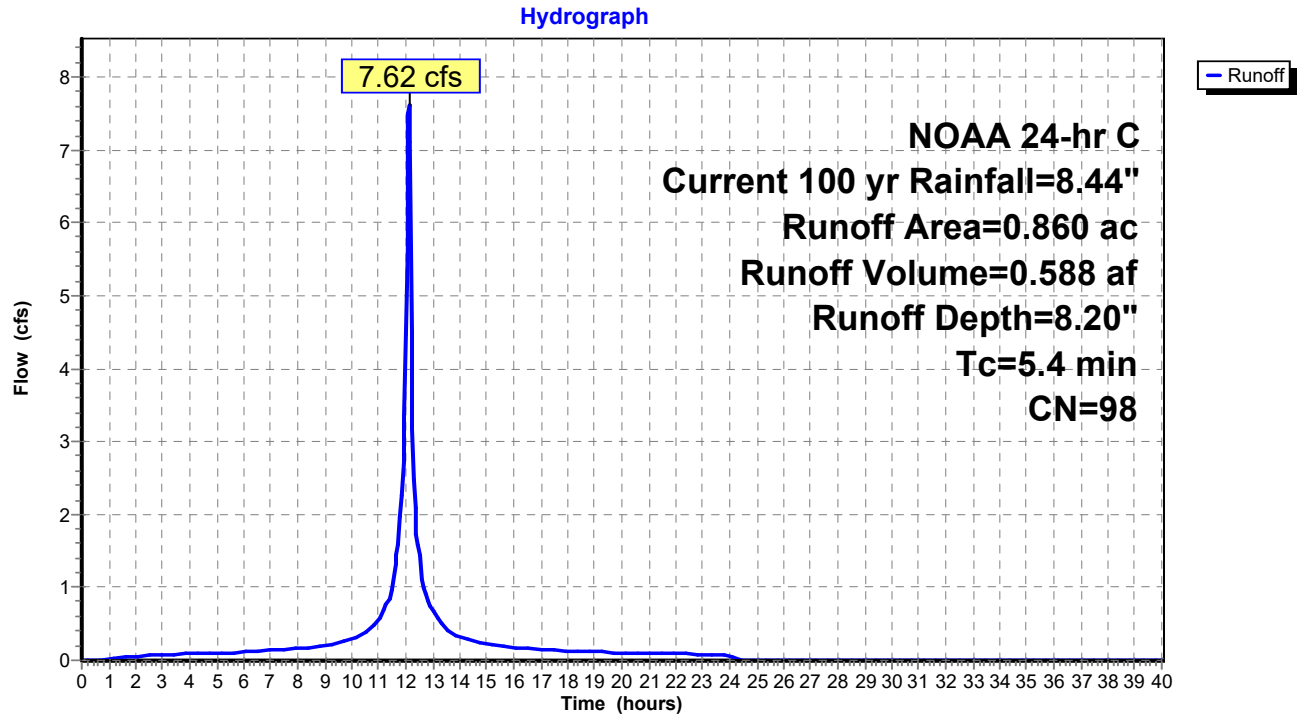
Runoff = 7.62 cfs @ 12.12 hrs, Volume= 0.588 af, Depth= 8.20"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.07
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.07
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.07
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.07
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.07
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.07
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.08
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.08
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.08
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.08
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.08
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.08
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.08
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.08
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.08
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.08
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.08
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.08
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.08
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.09
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.09
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.09
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.09
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.09
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.09
1.35	0.13	0.02	0.04	3.95	0.41	0.24	0.09
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.09
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.09
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.09
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.09
1.60	0.15	0.04	0.05	4.20	0.44	0.26	0.09
1.65	0.16	0.04	0.05	4.25	0.44	0.27	0.09
1.70	0.16	0.04	0.05	4.30	0.45	0.27	0.09
1.75	0.17	0.05	0.05	4.35	0.46	0.28	0.09
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.09
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.09
1.90	0.18	0.06	0.06	4.50	0.47	0.29	0.10
1.95	0.19	0.06	0.06	4.55	0.48	0.30	0.10
2.00	0.19	0.06	0.06	4.60	0.49	0.31	0.10
2.05	0.20	0.07	0.06	4.65	0.49	0.31	0.10
2.10	0.20	0.07	0.06	4.70	0.50	0.32	0.10
2.15	0.21	0.07	0.06	4.75	0.51	0.32	0.10
2.20	0.21	0.08	0.06	4.80	0.51	0.33	0.10
2.25	0.22	0.08	0.06	4.85	0.52	0.33	0.10
2.30	0.22	0.09	0.06	4.90	0.52	0.34	0.10
2.35	0.23	0.09	0.07	4.95	0.53	0.35	0.10
2.40	0.23	0.09	0.07	5.00	0.54	0.35	0.10
2.45	0.24	0.10	0.07	5.05	0.54	0.36	0.10
2.50	0.24	0.10	0.07	5.10	0.55	0.36	0.10
2.55	0.25	0.10	0.07	5.15	0.56	0.37	0.10

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.10	7.80	0.97	0.76	0.16
5.25	0.57	0.38	0.10	7.85	0.98	0.77	0.16
5.30	0.58	0.39	0.10	7.90	0.99	0.78	0.17
5.35	0.58	0.39	0.10	7.95	1.00	0.79	0.17
5.40	0.59	0.40	0.10	8.00	1.01	0.80	0.17
5.45	0.60	0.41	0.11	8.05	1.02	0.81	0.17
5.50	0.60	0.41	0.11	8.10	1.03	0.82	0.17
5.55	0.61	0.42	0.11	8.15	1.04	0.83	0.17
5.60	0.62	0.42	0.11	8.20	1.05	0.84	0.18
5.65	0.62	0.43	0.11	8.25	1.06	0.85	0.18
5.70	0.63	0.44	0.11	8.30	1.07	0.86	0.18
5.75	0.64	0.44	0.11	8.35	1.08	0.87	0.18
5.80	0.64	0.45	0.11	8.40	1.10	0.88	0.18
5.85	0.65	0.45	0.11	8.45	1.11	0.89	0.18
5.90	0.66	0.46	0.11	8.50	1.12	0.91	0.18
5.95	0.66	0.47	0.11	8.55	1.13	0.92	0.19
6.00	0.67	0.47	0.11	8.60	1.14	0.93	0.19
6.05	0.68	0.48	0.11	8.65	1.15	0.94	0.19
6.10	0.68	0.49	0.11	8.70	1.16	0.95	0.19
6.15	0.69	0.49	0.11	8.75	1.17	0.96	0.19
6.20	0.70	0.50	0.12	8.80	1.19	0.97	0.19
6.25	0.70	0.51	0.12	8.85	1.20	0.98	0.19
6.30	0.71	0.51	0.12	8.90	1.21	0.99	0.20
6.35	0.72	0.52	0.12	8.95	1.22	1.01	0.20
6.40	0.73	0.53	0.12	9.00	1.23	1.02	0.20
6.45	0.73	0.54	0.12	9.05	1.25	1.03	0.20
6.50	0.74	0.54	0.12	9.10	1.26	1.04	0.21
6.55	0.75	0.55	0.13	9.15	1.27	1.05	0.21
6.60	0.76	0.56	0.13	9.20	1.28	1.07	0.22
6.65	0.77	0.57	0.13	9.25	1.30	1.08	0.22
6.70	0.77	0.57	0.13	9.30	1.31	1.09	0.23
6.75	0.78	0.58	0.13	9.35	1.33	1.11	0.24
6.80	0.79	0.59	0.13	9.40	1.34	1.12	0.24
6.85	0.80	0.60	0.13	9.45	1.35	1.14	0.25
6.90	0.81	0.60	0.14	9.50	1.37	1.15	0.25
6.95	0.81	0.61	0.14	9.55	1.39	1.17	0.26
7.00	0.82	0.62	0.14	9.60	1.40	1.18	0.26
7.05	0.83	0.63	0.14	9.65	1.42	1.20	0.27
7.10	0.84	0.64	0.14	9.70	1.43	1.21	0.27
7.15	0.85	0.65	0.14	9.75	1.45	1.23	0.28
7.20	0.86	0.65	0.15	9.80	1.47	1.25	0.28
7.25	0.87	0.66	0.15	9.85	1.49	1.27	0.29
7.30	0.88	0.67	0.15	9.90	1.50	1.28	0.30
7.35	0.89	0.68	0.15	9.95	1.52	1.30	0.30
7.40	0.89	0.69	0.15	10.00	1.54	1.32	0.31
7.45	0.90	0.70	0.15	10.05	1.56	1.34	0.31
7.50	0.91	0.71	0.15	10.10	1.58	1.36	0.32
7.55	0.92	0.72	0.16	10.15	1.60	1.37	0.32
7.60	0.93	0.73	0.16	10.20	1.62	1.39	0.33
7.65	0.94	0.73	0.16	10.25	1.64	1.41	0.33
7.70	0.95	0.74	0.16	10.30	1.66	1.43	0.34
7.75	0.96	0.75	0.16	10.35	1.68	1.45	0.34

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.35	13.00	6.41	6.18	0.68
10.45	1.72	1.50	0.36	13.05	6.45	6.21	0.65
10.50	1.74	1.52	0.36	13.10	6.48	6.24	0.60
10.55	1.76	1.54	0.37	13.15	6.51	6.27	0.58
10.60	1.79	1.56	0.40	13.20	6.54	6.30	0.55
10.65	1.81	1.59	0.41	13.25	6.57	6.33	0.53
10.70	1.84	1.62	0.44	13.30	6.60	6.36	0.51
10.75	1.87	1.64	0.45	13.35	6.63	6.39	0.49
10.80	1.90	1.67	0.48	13.40	6.65	6.41	0.47
10.85	1.93	1.70	0.50	13.45	6.68	6.44	0.45
10.90	1.96	1.73	0.52	13.50	6.70	6.46	0.42
10.95	1.99	1.77	0.54	13.55	6.72	6.48	0.41
11.00	2.03	1.80	0.56	13.60	6.74	6.50	0.38
11.05	2.06	1.84	0.59	13.65	6.76	6.53	0.37
11.10	2.10	1.87	0.63	13.70	6.78	6.55	0.36
11.15	2.14	1.92	0.66	13.75	6.80	6.57	0.36
11.20	2.19	1.96	0.71	13.80	6.82	6.59	0.35
11.25	2.23	2.01	0.74	13.85	6.84	6.61	0.35
11.30	2.28	2.05	0.79	13.90	6.86	6.62	0.34
11.35	2.33	2.10	0.82	13.95	6.88	6.64	0.34
11.40	2.38	2.16	0.87	14.00	6.90	6.66	0.33
11.45	2.44	2.21	0.90	14.05	6.92	6.68	0.32
11.50	2.49	2.26	0.93	14.10	6.94	6.70	0.32
11.55	2.58	2.35	1.05	14.15	6.95	6.72	0.31
11.60	2.66	2.43	1.32	14.20	6.97	6.73	0.31
11.65	2.75	2.52	1.45	14.25	6.99	6.75	0.30
11.70	2.84	2.61	1.52	14.30	7.01	6.77	0.30
11.75	2.97	2.74	1.66	14.35	7.02	6.78	0.29
11.80	3.09	2.86	1.96	14.40	7.04	6.80	0.28
11.85	3.26	3.03	2.26	14.45	7.05	6.82	0.28
11.90	3.43	3.20	2.71	14.50	7.07	6.83	0.27
11.95	3.73	3.49	3.34	14.55	7.09	6.85	0.27
12.00	4.02	3.79	4.48	14.60	7.10	6.86	0.26
12.05	4.52	4.28	5.65	14.65	7.11	6.88	0.26
12.10	5.01	4.77	**7.50**	14.70	7.13	6.89	0.25
12.15	5.18	4.94	7.10	14.75	7.14	6.90	0.25
12.20	5.35	5.11	4.49	14.80	7.16	6.92	0.24
12.25	5.47	5.24	3.18	14.85	7.17	6.93	0.24
12.30	5.60	5.36	2.47	14.90	7.18	6.94	0.23
12.35	5.69	5.45	2.09	14.95	7.19	6.96	0.23
12.40	5.78	5.54	1.74	15.00	7.21	6.97	0.22
12.45	5.86	5.62	1.58	15.05	7.22	6.98	0.21
12.50	5.95	5.71	1.51	15.10	7.23	6.99	0.21
12.55	6.00	5.76	1.38	15.15	7.24	7.00	0.21
12.60	6.06	5.82	1.11	15.20	7.25	7.02	0.20
12.65	6.11	5.87	0.98	15.25	7.27	7.03	0.20
12.70	6.16	5.92	0.92	15.30	7.28	7.04	0.20
12.75	6.21	5.97	0.88	15.35	7.29	7.05	0.20
12.80	6.25	6.02	0.84	15.40	7.30	7.06	0.20
12.85	6.30	6.06	0.80	15.45	7.31	7.07	0.20
12.90	6.34	6.10	0.76	15.50	7.32	7.08	0.19
12.95	6.38	6.14	0.73	15.55	7.33	7.09	0.19

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.19	18.20	7.80	7.56	0.12
15.65	7.36	7.12	0.19	18.25	7.80	7.57	0.12
15.70	7.37	7.13	0.19	18.30	7.81	7.57	0.12
15.75	7.38	7.14	0.19	18.35	7.82	7.58	0.12
15.80	7.39	7.15	0.19	18.40	7.82	7.59	0.12
15.85	7.40	7.16	0.18	18.45	7.83	7.59	0.12
15.90	7.41	7.17	0.18	18.50	7.84	7.60	0.12
15.95	7.42	7.18	0.18	18.55	7.84	7.61	0.11
16.00	7.43	7.19	0.18	18.60	7.85	7.61	0.11
16.05	7.44	7.20	0.18	18.65	7.86	7.62	0.11
16.10	7.45	7.21	0.18	18.70	7.86	7.62	0.11
16.15	7.46	7.22	0.18	18.75	7.87	7.63	0.11
16.20	7.47	7.23	0.17	18.80	7.88	7.64	0.11
16.25	7.48	7.24	0.17	18.85	7.88	7.64	0.11
16.30	7.49	7.25	0.17	18.90	7.89	7.65	0.11
16.35	7.50	7.26	0.17	18.95	7.90	7.66	0.11
16.40	7.51	7.27	0.17	19.00	7.90	7.66	0.11
16.45	7.52	7.28	0.17	19.05	7.91	7.67	0.11
16.50	7.53	7.29	0.16	19.10	7.92	7.68	0.11
16.55	7.54	7.30	0.16	19.15	7.92	7.68	0.11
16.60	7.55	7.31	0.16	19.20	7.93	7.69	0.11
16.65	7.55	7.32	0.16	19.25	7.93	7.70	0.11
16.70	7.56	7.32	0.16	19.30	7.94	7.70	0.11
16.75	7.57	7.33	0.16	19.35	7.95	7.71	0.11
16.80	7.58	7.34	0.16	19.40	7.95	7.71	0.11
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.11
16.90	7.60	7.36	0.15	19.50	7.97	7.73	0.11
16.95	7.61	7.37	0.15	19.55	7.97	7.73	0.11
17.00	7.62	7.38	0.15	19.60	7.98	7.74	0.11
17.05	7.63	7.39	0.15	19.65	7.98	7.74	0.11
17.10	7.63	7.39	0.15	19.70	7.99	7.75	0.11
17.15	7.64	7.40	0.15	19.75	8.00	7.76	0.11
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.11
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.11
17.30	7.67	7.43	0.14	19.90	8.01	7.78	0.11
17.35	7.67	7.43	0.14	19.95	8.02	7.78	0.10
17.40	7.68	7.44	0.14	20.00	8.03	7.79	0.10
17.45	7.69	7.45	0.14	20.05	8.03	7.79	0.10
17.50	7.70	7.46	0.14	20.10	8.04	7.80	0.10
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.10
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.10
17.65	7.72	7.48	0.13	20.25	8.06	7.82	0.10
17.70	7.73	7.49	0.13	20.30	8.06	7.82	0.10
17.75	7.74	7.50	0.13	20.35	8.07	7.83	0.10
17.80	7.74	7.50	0.13	20.40	8.07	7.83	0.10
17.85	7.75	7.51	0.13	20.45	8.08	7.84	0.10
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.10
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.10
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.10
18.05	7.78	7.54	0.12	20.65	8.10	7.86	0.10
18.10	7.78	7.55	0.12	20.70	8.11	7.87	0.10
18.15	7.79	7.55	0.12	20.75	8.11	7.87	0.10

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.10	23.40	8.38	8.14	0.08
20.85	8.13	7.89	0.10	23.45	8.39	8.15	0.08
20.90	8.13	7.89	0.10	23.50	8.39	8.15	0.08
20.95	8.14	7.90	0.10	23.55	8.40	8.16	0.08
21.00	8.14	7.90	0.10	23.60	8.40	8.16	0.08
21.05	8.15	7.91	0.10	23.65	8.41	8.17	0.08
21.10	8.15	7.91	0.10	23.70	8.41	8.17	0.08
21.15	8.16	7.92	0.10	23.75	8.42	8.18	0.08
21.20	8.16	7.92	0.10	23.80	8.42	8.18	0.08
21.25	8.17	7.93	0.10	23.85	8.42	8.18	0.08
21.30	8.18	7.94	0.10	23.90	8.43	8.19	0.08
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.08
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.09
21.45	8.19	7.95	0.09	24.05	8.44	8.20	0.07
21.50	8.20	7.96	0.09	24.10	8.44	8.20	0.03
21.55	8.20	7.96	0.09	24.15	8.44	8.20	0.01
21.60	8.21	7.97	0.09	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.09	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.09	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.09	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.09	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.09	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.09	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.09	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.09	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.09	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.09	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.09	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.09	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.09	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.09	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.09	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.09	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.09	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.09	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.09	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.09	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.09	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.08	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.08	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.08	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.08	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.08	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.08	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.08	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.08	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

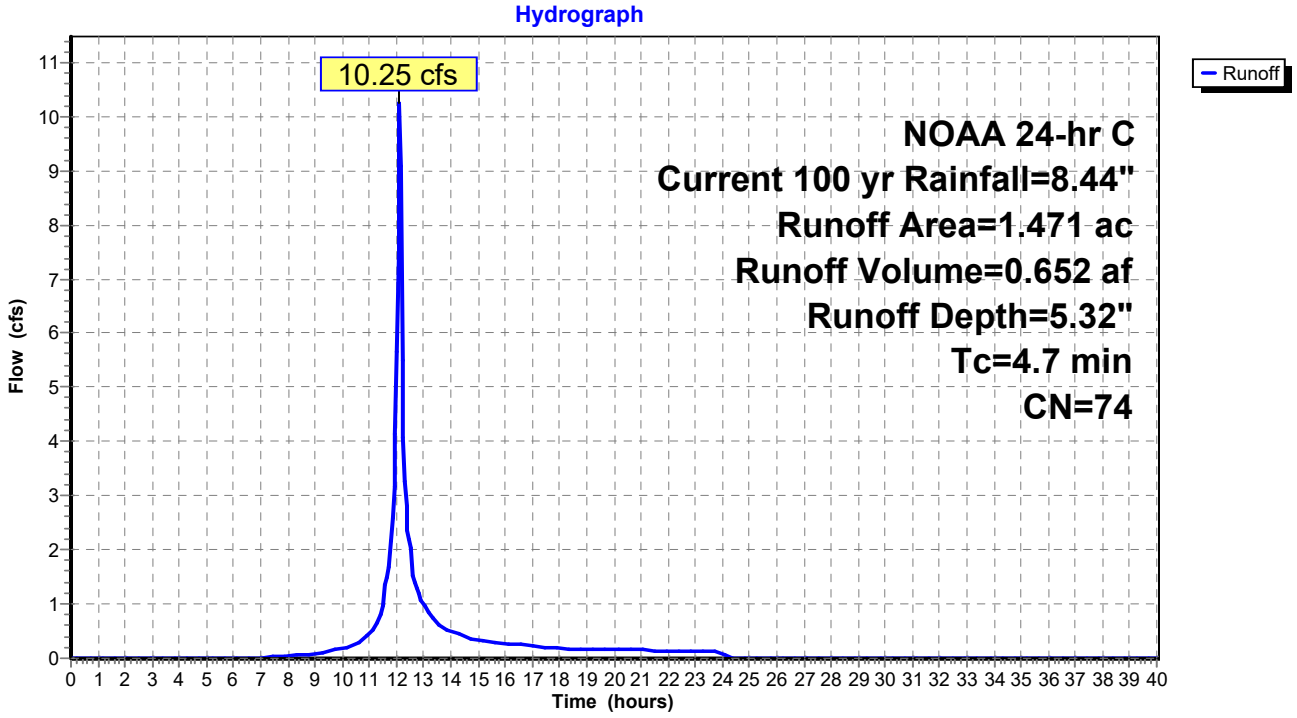
Runoff = 10.25 cfs @ 12.11 hrs, Volume= 0.652 af, Depth= 5.32"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.04
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.04
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.04
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.04
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.04
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.05
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.05
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.05
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.05
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.05
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.06
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.06
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.06
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.06
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.06
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.07
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.07
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.07
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.07
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.07
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.08
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.08
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.08
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.08
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.09
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.09
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.09
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.10
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.10
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.11
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.11
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.12
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.12
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.13
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.13
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.14
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.14
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.15
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.15
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.16
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.16
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.17
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.18
7.40	0.89	0.01	0.03	10.00	1.54	0.16	0.18
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.19
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.19
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.20
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.21
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.21
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.22
7.75	0.96	0.02	0.04	10.35	1.68	0.21	0.23

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.23	13.00	6.41	3.54	0.98
10.45	1.72	0.23	0.24	13.05	6.45	3.57	0.93
10.50	1.74	0.24	0.25	13.10	6.48	3.59	0.87
10.55	1.76	0.25	0.26	13.15	6.51	3.62	0.84
10.60	1.79	0.26	0.28	13.20	6.54	3.65	0.80
10.65	1.81	0.27	0.30	13.25	6.57	3.67	0.77
10.70	1.84	0.28	0.32	13.30	6.60	3.70	0.74
10.75	1.87	0.29	0.34	13.35	6.63	3.72	0.71
10.80	1.90	0.30	0.36	13.40	6.65	3.74	0.68
10.85	1.93	0.32	0.38	13.45	6.68	3.76	0.65
10.90	1.96	0.33	0.41	13.50	6.70	3.78	0.62
10.95	1.99	0.35	0.43	13.55	6.72	3.80	0.59
11.00	2.03	0.36	0.45	13.60	6.74	3.82	0.56
11.05	2.06	0.38	0.48	13.65	6.76	3.84	0.55
11.10	2.10	0.40	0.52	13.70	6.78	3.85	0.53
11.15	2.14	0.42	0.56	13.75	6.80	3.87	0.53
11.20	2.19	0.44	0.61	13.80	6.82	3.89	0.52
11.25	2.23	0.46	0.65	13.85	6.84	3.91	0.51
11.30	2.28	0.49	0.70	13.90	6.86	3.92	0.50
11.35	2.33	0.52	0.74	13.95	6.88	3.94	0.50
11.40	2.38	0.54	0.80	14.00	6.90	3.96	0.49
11.45	2.44	0.57	0.84	14.05	6.92	3.97	0.48
11.50	2.49	0.60	0.89	14.10	6.94	3.99	0.47
11.55	2.58	0.65	1.05	14.15	6.95	4.00	0.46
11.60	2.66	0.70	1.34	14.20	6.97	4.02	0.46
11.65	2.75	0.76	1.48	14.25	6.99	4.03	0.45
11.70	2.84	0.81	1.57	14.30	7.01	4.05	0.44
11.75	2.97	0.89	1.79	14.35	7.02	4.06	0.43
11.80	3.09	0.97	2.16	14.40	7.04	4.08	0.42
11.85	3.26	1.08	2.58	14.45	7.05	4.09	0.42
11.90	3.43	1.19	3.16	14.50	7.07	4.10	0.41
11.95	3.73	1.40	4.13	14.55	7.09	4.12	0.40
12.00	4.02	1.61	5.65	14.60	7.10	4.13	0.39
12.05	4.52	1.98	7.50	14.65	7.11	4.14	0.38
12.10	5.01	2.37	**10.17**	14.70	7.13	4.15	0.38
12.15	5.18	2.51	9.08	14.75	7.14	4.17	0.37
12.20	5.35	2.65	5.48	14.80	7.16	4.18	0.36
12.25	5.47	2.75	4.07	14.85	7.17	4.19	0.35
12.30	5.60	2.85	3.26	14.90	7.18	4.20	0.34
12.35	5.69	2.92	2.82	14.95	7.19	4.21	0.34
12.40	5.78	3.00	2.37	15.00	7.21	4.22	0.33
12.45	5.86	3.07	2.21	15.05	7.22	4.23	0.32
12.50	5.95	3.14	2.14	15.10	7.23	4.24	0.31
12.55	6.00	3.19	1.91	15.15	7.24	4.25	0.31
12.60	6.06	3.23	1.52	15.20	7.25	4.26	0.30
12.65	6.11	3.28	1.38	15.25	7.27	4.27	0.30
12.70	6.16	3.32	1.31	15.30	7.28	4.28	0.30
12.75	6.21	3.36	1.27	15.35	7.29	4.29	0.30
12.80	6.25	3.40	1.21	15.40	7.30	4.30	0.30
12.85	6.30	3.44	1.16	15.45	7.31	4.31	0.29
12.90	6.34	3.47	1.10	15.50	7.32	4.32	0.29
12.95	6.38	3.50	1.05	15.55	7.33	4.33	0.29

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.29	18.20	7.80	4.75	0.18
15.65	7.36	4.35	0.29	18.25	7.80	4.75	0.18
15.70	7.37	4.36	0.28	18.30	7.81	4.76	0.18
15.75	7.38	4.37	0.28	18.35	7.82	4.76	0.18
15.80	7.39	4.38	0.28	18.40	7.82	4.77	0.18
15.85	7.40	4.39	0.28	18.45	7.83	4.78	0.18
15.90	7.41	4.40	0.28	18.50	7.84	4.78	0.18
15.95	7.42	4.41	0.27	18.55	7.84	4.79	0.17
16.00	7.43	4.42	0.27	18.60	7.85	4.79	0.17
16.05	7.44	4.43	0.27	18.65	7.86	4.80	0.17
16.10	7.45	4.44	0.27	18.70	7.86	4.80	0.17
16.15	7.46	4.44	0.27	18.75	7.87	4.81	0.17
16.20	7.47	4.45	0.26	18.80	7.88	4.82	0.17
16.25	7.48	4.46	0.26	18.85	7.88	4.82	0.17
16.30	7.49	4.47	0.26	18.90	7.89	4.83	0.17
16.35	7.50	4.48	0.26	18.95	7.90	4.83	0.17
16.40	7.51	4.49	0.25	19.00	7.90	4.84	0.17
16.45	7.52	4.50	0.25	19.05	7.91	4.84	0.17
16.50	7.53	4.50	0.25	19.10	7.92	4.85	0.17
16.55	7.54	4.51	0.25	19.15	7.92	4.86	0.17
16.60	7.55	4.52	0.25	19.20	7.93	4.86	0.17
16.65	7.55	4.53	0.24	19.25	7.93	4.87	0.17
16.70	7.56	4.54	0.24	19.30	7.94	4.87	0.17
16.75	7.57	4.55	0.24	19.35	7.95	4.88	0.17
16.80	7.58	4.55	0.24	19.40	7.95	4.88	0.17
16.85	7.59	4.56	0.23	19.45	7.96	4.89	0.17
16.90	7.60	4.57	0.23	19.50	7.97	4.90	0.16
16.95	7.61	4.58	0.23	19.55	7.97	4.90	0.16
17.00	7.62	4.58	0.23	19.60	7.98	4.91	0.16
17.05	7.63	4.59	0.23	19.65	7.98	4.91	0.16
17.10	7.63	4.60	0.22	19.70	7.99	4.92	0.16
17.15	7.64	4.61	0.22	19.75	8.00	4.92	0.16
17.20	7.65	4.61	0.22	19.80	8.00	4.93	0.16
17.25	7.66	4.62	0.22	19.85	8.01	4.93	0.16
17.30	7.67	4.63	0.21	19.90	8.01	4.94	0.16
17.35	7.67	4.64	0.21	19.95	8.02	4.94	0.16
17.40	7.68	4.64	0.21	20.00	8.03	4.95	0.16
17.45	7.69	4.65	0.21	20.05	8.03	4.96	0.16
17.50	7.70	4.66	0.21	20.10	8.04	4.96	0.16
17.55	7.71	4.66	0.20	20.15	8.04	4.97	0.16
17.60	7.71	4.67	0.20	20.20	8.05	4.97	0.16
17.65	7.72	4.68	0.20	20.25	8.06	4.98	0.16
17.70	7.73	4.68	0.20	20.30	8.06	4.98	0.16
17.75	7.74	4.69	0.20	20.35	8.07	4.99	0.16
17.80	7.74	4.70	0.19	20.40	8.07	4.99	0.15
17.85	7.75	4.70	0.19	20.45	8.08	5.00	0.15
17.90	7.76	4.71	0.19	20.50	8.09	5.00	0.15
17.95	7.76	4.72	0.19	20.55	8.09	5.01	0.15
18.00	7.77	4.72	0.18	20.60	8.10	5.01	0.15
18.05	7.78	4.73	0.18	20.65	8.10	5.02	0.15
18.10	7.78	4.73	0.18	20.70	8.11	5.02	0.15
18.15	7.79	4.74	0.18	20.75	8.11	5.03	0.15

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.15	23.40	8.38	5.27	0.12
20.85	8.13	5.04	0.15	23.45	8.39	5.28	0.12
20.90	8.13	5.04	0.15	23.50	8.39	5.28	0.12
20.95	8.14	5.05	0.15	23.55	8.40	5.28	0.12
21.00	8.14	5.05	0.15	23.60	8.40	5.29	0.12
21.05	8.15	5.06	0.15	23.65	8.41	5.29	0.12
21.10	8.15	5.06	0.15	23.70	8.41	5.30	0.12
21.15	8.16	5.07	0.15	23.75	8.42	5.30	0.12
21.20	8.16	5.07	0.15	23.80	8.42	5.30	0.12
21.25	8.17	5.08	0.15	23.85	8.42	5.31	0.12
21.30	8.18	5.08	0.15	23.90	8.43	5.31	0.12
21.35	8.18	5.09	0.15	23.95	8.43	5.32	0.12
21.40	8.19	5.09	0.14	24.00	**8.44**	**5.32**	0.14
21.45	8.19	5.10	0.14	24.05	8.44	5.32	0.10
21.50	8.20	5.10	0.14	24.10	8.44	5.32	0.03
21.55	8.20	5.11	0.14	24.15	8.44	5.32	0.01
21.60	8.21	5.11	0.14	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.14	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.14	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.14	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.14	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.14	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.14	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.14	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.14	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.14	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.14	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.14	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.14	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.14	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.13	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.13	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.13	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.13	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.13	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.13	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.13	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.13	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.13	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.13	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.13	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.13	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.13	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.13	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.13	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.13	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.13	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.12	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.12	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.12	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.12	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.12	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

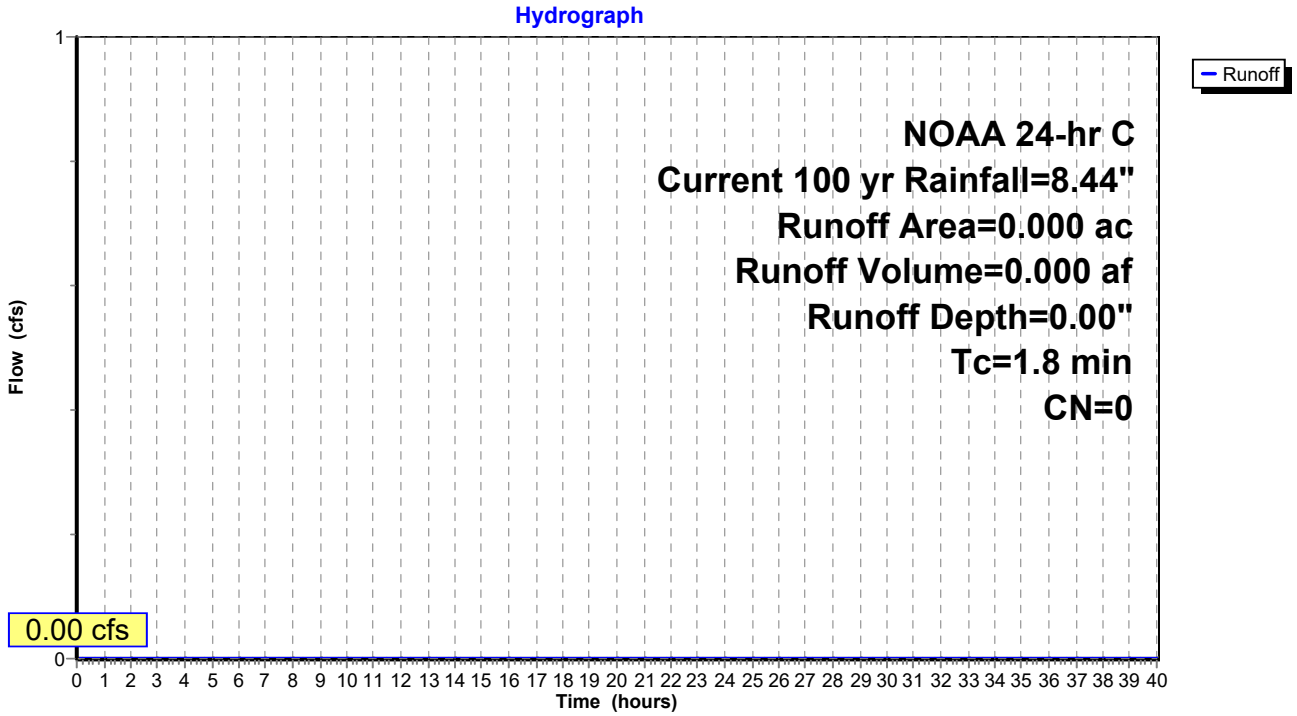
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.00
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.00
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.00
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.00
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.00
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.00
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.00
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.00
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.00
6.45	0.73	0.00	0.00	9.05	1.25	0.00	0.00
6.50	0.74	0.00	0.00	9.10	1.26	0.00	0.00
6.55	0.75	0.00	0.00	9.15	1.27	0.00	0.00
6.60	0.76	0.00	0.00	9.20	1.28	0.00	0.00
6.65	0.77	0.00	0.00	9.25	1.30	0.00	0.00
6.70	0.77	0.00	0.00	9.30	1.31	0.00	0.00
6.75	0.78	0.00	0.00	9.35	1.33	0.00	0.00
6.80	0.79	0.00	0.00	9.40	1.34	0.00	0.00
6.85	0.80	0.00	0.00	9.45	1.35	0.00	0.00
6.90	0.81	0.00	0.00	9.50	1.37	0.00	0.00
6.95	0.81	0.00	0.00	9.55	1.39	0.00	0.00
7.00	0.82	0.00	0.00	9.60	1.40	0.00	0.00
7.05	0.83	0.00	0.00	9.65	1.42	0.00	0.00
7.10	0.84	0.00	0.00	9.70	1.43	0.00	0.00
7.15	0.85	0.00	0.00	9.75	1.45	0.00	0.00
7.20	0.86	0.00	0.00	9.80	1.47	0.00	0.00
7.25	0.87	0.00	0.00	9.85	1.49	0.00	0.00
7.30	0.88	0.00	0.00	9.90	1.50	0.00	0.00
7.35	0.89	0.00	0.00	9.95	1.52	0.00	0.00
7.40	0.89	0.00	0.00	10.00	1.54	0.00	0.00
7.45	0.90	0.00	0.00	10.05	1.56	0.00	0.00
7.50	0.91	0.00	0.00	10.10	1.58	0.00	0.00
7.55	0.92	0.00	0.00	10.15	1.60	0.00	0.00
7.60	0.93	0.00	0.00	10.20	1.62	0.00	0.00
7.65	0.94	0.00	0.00	10.25	1.64	0.00	0.00
7.70	0.95	0.00	0.00	10.30	1.66	0.00	0.00
7.75	0.96	0.00	0.00	10.35	1.68	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.00	0.00	13.00	6.41	0.00	0.00
10.45	1.72	0.00	0.00	13.05	6.45	0.00	0.00
10.50	1.74	0.00	0.00	13.10	6.48	0.00	0.00
10.55	1.76	0.00	0.00	13.15	6.51	0.00	0.00
10.60	1.79	0.00	0.00	13.20	6.54	0.00	0.00
10.65	1.81	0.00	0.00	13.25	6.57	0.00	0.00
10.70	1.84	0.00	0.00	13.30	6.60	0.00	0.00
10.75	1.87	0.00	0.00	13.35	6.63	0.00	0.00
10.80	1.90	0.00	0.00	13.40	6.65	0.00	0.00
10.85	1.93	0.00	0.00	13.45	6.68	0.00	0.00
10.90	1.96	0.00	0.00	13.50	6.70	0.00	0.00
10.95	1.99	0.00	0.00	13.55	6.72	0.00	0.00
11.00	2.03	0.00	0.00	13.60	6.74	0.00	0.00
11.05	2.06	0.00	0.00	13.65	6.76	0.00	0.00
11.10	2.10	0.00	0.00	13.70	6.78	0.00	0.00
11.15	2.14	0.00	0.00	13.75	6.80	0.00	0.00
11.20	2.19	0.00	0.00	13.80	6.82	0.00	0.00
11.25	2.23	0.00	0.00	13.85	6.84	0.00	0.00
11.30	2.28	0.00	0.00	13.90	6.86	0.00	0.00
11.35	2.33	0.00	0.00	13.95	6.88	0.00	0.00
11.40	2.38	0.00	0.00	14.00	6.90	0.00	0.00
11.45	2.44	0.00	0.00	14.05	6.92	0.00	0.00
11.50	2.49	0.00	0.00	14.10	6.94	0.00	0.00
11.55	2.58	0.00	0.00	14.15	6.95	0.00	0.00
11.60	2.66	0.00	0.00	14.20	6.97	0.00	0.00
11.65	2.75	0.00	0.00	14.25	6.99	0.00	0.00
11.70	2.84	0.00	0.00	14.30	7.01	0.00	0.00
11.75	2.97	0.00	0.00	14.35	7.02	0.00	0.00
11.80	3.09	0.00	0.00	14.40	7.04	0.00	0.00
11.85	3.26	0.00	0.00	14.45	7.05	0.00	0.00
11.90	3.43	0.00	0.00	14.50	7.07	0.00	0.00
11.95	3.73	0.00	0.00	14.55	7.09	0.00	0.00
12.00	4.02	0.00	0.00	14.60	7.10	0.00	0.00
12.05	4.52	0.00	0.00	14.65	7.11	0.00	0.00
12.10	5.01	0.00	0.00	14.70	7.13	0.00	0.00
12.15	5.18	0.00	0.00	14.75	7.14	0.00	0.00
12.20	5.35	0.00	0.00	14.80	7.16	0.00	0.00
12.25	5.47	0.00	0.00	14.85	7.17	0.00	0.00
12.30	5.60	0.00	0.00	14.90	7.18	0.00	0.00
12.35	5.69	0.00	0.00	14.95	7.19	0.00	0.00
12.40	5.78	0.00	0.00	15.00	7.21	0.00	0.00
12.45	5.86	0.00	0.00	15.05	7.22	0.00	0.00
12.50	5.95	0.00	0.00	15.10	7.23	0.00	0.00
12.55	6.00	0.00	0.00	15.15	7.24	0.00	0.00
12.60	6.06	0.00	0.00	15.20	7.25	0.00	0.00
12.65	6.11	0.00	0.00	15.25	7.27	0.00	0.00
12.70	6.16	0.00	0.00	15.30	7.28	0.00	0.00
12.75	6.21	0.00	0.00	15.35	7.29	0.00	0.00
12.80	6.25	0.00	0.00	15.40	7.30	0.00	0.00
12.85	6.30	0.00	0.00	15.45	7.31	0.00	0.00
12.90	6.34	0.00	0.00	15.50	7.32	0.00	0.00
12.95	6.38	0.00	0.00	15.55	7.33	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	0.00	0.00	18.20	7.80	0.00	0.00
15.65	7.36	0.00	0.00	18.25	7.80	0.00	0.00
15.70	7.37	0.00	0.00	18.30	7.81	0.00	0.00
15.75	7.38	0.00	0.00	18.35	7.82	0.00	0.00
15.80	7.39	0.00	0.00	18.40	7.82	0.00	0.00
15.85	7.40	0.00	0.00	18.45	7.83	0.00	0.00
15.90	7.41	0.00	0.00	18.50	7.84	0.00	0.00
15.95	7.42	0.00	0.00	18.55	7.84	0.00	0.00
16.00	7.43	0.00	0.00	18.60	7.85	0.00	0.00
16.05	7.44	0.00	0.00	18.65	7.86	0.00	0.00
16.10	7.45	0.00	0.00	18.70	7.86	0.00	0.00
16.15	7.46	0.00	0.00	18.75	7.87	0.00	0.00
16.20	7.47	0.00	0.00	18.80	7.88	0.00	0.00
16.25	7.48	0.00	0.00	18.85	7.88	0.00	0.00
16.30	7.49	0.00	0.00	18.90	7.89	0.00	0.00
16.35	7.50	0.00	0.00	18.95	7.90	0.00	0.00
16.40	7.51	0.00	0.00	19.00	7.90	0.00	0.00
16.45	7.52	0.00	0.00	19.05	7.91	0.00	0.00
16.50	7.53	0.00	0.00	19.10	7.92	0.00	0.00
16.55	7.54	0.00	0.00	19.15	7.92	0.00	0.00
16.60	7.55	0.00	0.00	19.20	7.93	0.00	0.00
16.65	7.55	0.00	0.00	19.25	7.93	0.00	0.00
16.70	7.56	0.00	0.00	19.30	7.94	0.00	0.00
16.75	7.57	0.00	0.00	19.35	7.95	0.00	0.00
16.80	7.58	0.00	0.00	19.40	7.95	0.00	0.00
16.85	7.59	0.00	0.00	19.45	7.96	0.00	0.00
16.90	7.60	0.00	0.00	19.50	7.97	0.00	0.00
16.95	7.61	0.00	0.00	19.55	7.97	0.00	0.00
17.00	7.62	0.00	0.00	19.60	7.98	0.00	0.00
17.05	7.63	0.00	0.00	19.65	7.98	0.00	0.00
17.10	7.63	0.00	0.00	19.70	7.99	0.00	0.00
17.15	7.64	0.00	0.00	19.75	8.00	0.00	0.00
17.20	7.65	0.00	0.00	19.80	8.00	0.00	0.00
17.25	7.66	0.00	0.00	19.85	8.01	0.00	0.00
17.30	7.67	0.00	0.00	19.90	8.01	0.00	0.00
17.35	7.67	0.00	0.00	19.95	8.02	0.00	0.00
17.40	7.68	0.00	0.00	20.00	8.03	0.00	0.00
17.45	7.69	0.00	0.00	20.05	8.03	0.00	0.00
17.50	7.70	0.00	0.00	20.10	8.04	0.00	0.00
17.55	7.71	0.00	0.00	20.15	8.04	0.00	0.00
17.60	7.71	0.00	0.00	20.20	8.05	0.00	0.00
17.65	7.72	0.00	0.00	20.25	8.06	0.00	0.00
17.70	7.73	0.00	0.00	20.30	8.06	0.00	0.00
17.75	7.74	0.00	0.00	20.35	8.07	0.00	0.00
17.80	7.74	0.00	0.00	20.40	8.07	0.00	0.00
17.85	7.75	0.00	0.00	20.45	8.08	0.00	0.00
17.90	7.76	0.00	0.00	20.50	8.09	0.00	0.00
17.95	7.76	0.00	0.00	20.55	8.09	0.00	0.00
18.00	7.77	0.00	0.00	20.60	8.10	0.00	0.00
18.05	7.78	0.00	0.00	20.65	8.10	0.00	0.00
18.10	7.78	0.00	0.00	20.70	8.11	0.00	0.00
18.15	7.79	0.00	0.00	20.75	8.11	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	0.00	0.00	23.40	8.38	0.00	0.00
20.85	8.13	0.00	0.00	23.45	8.39	0.00	0.00
20.90	8.13	0.00	0.00	23.50	8.39	0.00	0.00
20.95	8.14	0.00	0.00	23.55	8.40	0.00	0.00
21.00	8.14	0.00	0.00	23.60	8.40	0.00	0.00
21.05	8.15	0.00	0.00	23.65	8.41	0.00	0.00
21.10	8.15	0.00	0.00	23.70	8.41	0.00	0.00
21.15	8.16	0.00	0.00	23.75	8.42	0.00	0.00
21.20	8.16	0.00	0.00	23.80	8.42	0.00	0.00
21.25	8.17	0.00	0.00	23.85	8.42	0.00	0.00
21.30	8.18	0.00	0.00	23.90	8.43	0.00	0.00
21.35	8.18	0.00	0.00	23.95	8.43	0.00	0.00
21.40	8.19	0.00	0.00	24.00	**8.44**	0.00	0.00
21.45	8.19	0.00	0.00	24.05	8.44	0.00	0.00
21.50	8.20	0.00	0.00	24.10	8.44	0.00	0.00
21.55	8.20	0.00	0.00	24.15	8.44	0.00	0.00
21.60	8.21	0.00	0.00	24.20	8.44	0.00	0.00
21.65	8.21	0.00	0.00	24.25	8.44	0.00	0.00
21.70	8.22	0.00	0.00	24.30	8.44	0.00	0.00
21.75	8.22	0.00	0.00	24.35	8.44	0.00	0.00
21.80	8.23	0.00	0.00	24.40	8.44	0.00	0.00
21.85	8.23	0.00	0.00	24.45	8.44	0.00	0.00
21.90	8.24	0.00	0.00	24.50	8.44	0.00	0.00
21.95	8.24	0.00	0.00	24.55	8.44	0.00	0.00
22.00	8.25	0.00	0.00	24.60	8.44	0.00	0.00
22.05	8.25	0.00	0.00	24.65	8.44	0.00	0.00
22.10	8.26	0.00	0.00	24.70	8.44	0.00	0.00
22.15	8.26	0.00	0.00	24.75	8.44	0.00	0.00
22.20	8.27	0.00	0.00	24.80	8.44	0.00	0.00
22.25	8.27	0.00	0.00	24.85	8.44	0.00	0.00
22.30	8.28	0.00	0.00	24.90	8.44	0.00	0.00
22.35	8.28	0.00	0.00	24.95	8.44	0.00	0.00
22.40	8.29	0.00	0.00	25.00	8.44	0.00	0.00
22.45	8.29	0.00	0.00	25.05	8.44	0.00	0.00
22.50	8.30	0.00	0.00	25.10	8.44	0.00	0.00
22.55	8.30	0.00	0.00	25.15	8.44	0.00	0.00
22.60	8.31	0.00	0.00	25.20	8.44	0.00	0.00
22.65	8.31	0.00	0.00	25.25	8.44	0.00	0.00
22.70	8.32	0.00	0.00	25.30	8.44	0.00	0.00
22.75	8.32	0.00	0.00	25.35	8.44	0.00	0.00
22.80	8.33	0.00	0.00	25.40	8.44	0.00	0.00
22.85	8.33	0.00	0.00	25.45	8.44	0.00	0.00
22.90	8.34	0.00	0.00	25.50	8.44	0.00	0.00
22.95	8.34	0.00	0.00	25.55	8.44	0.00	0.00
23.00	8.35	0.00	0.00	25.60	8.44	0.00	0.00
23.05	8.35	0.00	0.00	25.65	8.44	0.00	0.00
23.10	8.36	0.00	0.00	25.70	8.44	0.00	0.00
23.15	8.36	0.00	0.00	25.75	8.44	0.00	0.00
23.20	8.37	0.00	0.00	25.80	8.44	0.00	0.00
23.25	8.37	0.00	0.00	25.85	8.44	0.00	0.00
23.30	8.38	0.00	0.00	25.90	8.44	0.00	0.00
23.35	8.38	0.00	0.00	25.95	8.44	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	0.00	0.00	28.60	8.44	0.00	0.00
26.05	8.44	0.00	0.00	28.65	8.44	0.00	0.00
26.10	8.44	0.00	0.00	28.70	8.44	0.00	0.00
26.15	8.44	0.00	0.00	28.75	8.44	0.00	0.00
26.20	8.44	0.00	0.00	28.80	8.44	0.00	0.00
26.25	8.44	0.00	0.00	28.85	8.44	0.00	0.00
26.30	8.44	0.00	0.00	28.90	8.44	0.00	0.00
26.35	8.44	0.00	0.00	28.95	8.44	0.00	0.00
26.40	8.44	0.00	0.00	29.00	8.44	0.00	0.00
26.45	8.44	0.00	0.00	29.05	8.44	0.00	0.00
26.50	8.44	0.00	0.00	29.10	8.44	0.00	0.00
26.55	8.44	0.00	0.00	29.15	8.44	0.00	0.00
26.60	8.44	0.00	0.00	29.20	8.44	0.00	0.00
26.65	8.44	0.00	0.00	29.25	8.44	0.00	0.00
26.70	8.44	0.00	0.00	29.30	8.44	0.00	0.00
26.75	8.44	0.00	0.00	29.35	8.44	0.00	0.00
26.80	8.44	0.00	0.00	29.40	8.44	0.00	0.00
26.85	8.44	0.00	0.00	29.45	8.44	0.00	0.00
26.90	8.44	0.00	0.00	29.50	8.44	0.00	0.00
26.95	8.44	0.00	0.00	29.55	8.44	0.00	0.00
27.00	8.44	0.00	0.00	29.60	8.44	0.00	0.00
27.05	8.44	0.00	0.00	29.65	8.44	0.00	0.00
27.10	8.44	0.00	0.00	29.70	8.44	0.00	0.00
27.15	8.44	0.00	0.00	29.75	8.44	0.00	0.00
27.20	8.44	0.00	0.00	29.80	8.44	0.00	0.00
27.25	8.44	0.00	0.00	29.85	8.44	0.00	0.00
27.30	8.44	0.00	0.00	29.90	8.44	0.00	0.00
27.35	8.44	0.00	0.00	29.95	8.44	0.00	0.00
27.40	8.44	0.00	0.00	30.00	8.44	0.00	0.00
27.45	8.44	0.00	0.00	30.05	8.44	0.00	0.00
27.50	8.44	0.00	0.00	30.10	8.44	0.00	0.00
27.55	8.44	0.00	0.00	30.15	8.44	0.00	0.00
27.60	8.44	0.00	0.00	30.20	8.44	0.00	0.00
27.65	8.44	0.00	0.00	30.25	8.44	0.00	0.00
27.70	8.44	0.00	0.00	30.30	8.44	0.00	0.00
27.75	8.44	0.00	0.00	30.35	8.44	0.00	0.00
27.80	8.44	0.00	0.00	30.40	8.44	0.00	0.00
27.85	8.44	0.00	0.00	30.45	8.44	0.00	0.00
27.90	8.44	0.00	0.00	30.50	8.44	0.00	0.00
27.95	8.44	0.00	0.00	30.55	8.44	0.00	0.00
28.00	8.44	0.00	0.00	30.60	8.44	0.00	0.00
28.05	8.44	0.00	0.00	30.65	8.44	0.00	0.00
28.10	8.44	0.00	0.00	30.70	8.44	0.00	0.00
28.15	8.44	0.00	0.00	30.75	8.44	0.00	0.00
28.20	8.44	0.00	0.00	30.80	8.44	0.00	0.00
28.25	8.44	0.00	0.00	30.85	8.44	0.00	0.00
28.30	8.44	0.00	0.00	30.90	8.44	0.00	0.00
28.35	8.44	0.00	0.00	30.95	8.44	0.00	0.00
28.40	8.44	0.00	0.00	31.00	8.44	0.00	0.00
28.45	8.44	0.00	0.00	31.05	8.44	0.00	0.00
28.50	8.44	0.00	0.00	31.10	8.44	0.00	0.00
28.55	8.44	0.00	0.00	31.15	8.44	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	0.00	0.00	33.80	8.44	0.00	0.00
31.25	8.44	0.00	0.00	33.85	8.44	0.00	0.00
31.30	8.44	0.00	0.00	33.90	8.44	0.00	0.00
31.35	8.44	0.00	0.00	33.95	8.44	0.00	0.00
31.40	8.44	0.00	0.00	34.00	8.44	0.00	0.00
31.45	8.44	0.00	0.00	34.05	8.44	0.00	0.00
31.50	8.44	0.00	0.00	34.10	8.44	0.00	0.00
31.55	8.44	0.00	0.00	34.15	8.44	0.00	0.00
31.60	8.44	0.00	0.00	34.20	8.44	0.00	0.00
31.65	8.44	0.00	0.00	34.25	8.44	0.00	0.00
31.70	8.44	0.00	0.00	34.30	8.44	0.00	0.00
31.75	8.44	0.00	0.00	34.35	8.44	0.00	0.00
31.80	8.44	0.00	0.00	34.40	8.44	0.00	0.00
31.85	8.44	0.00	0.00	34.45	8.44	0.00	0.00
31.90	8.44	0.00	0.00	34.50	8.44	0.00	0.00
31.95	8.44	0.00	0.00	34.55	8.44	0.00	0.00
32.00	8.44	0.00	0.00	34.60	8.44	0.00	0.00
32.05	8.44	0.00	0.00	34.65	8.44	0.00	0.00
32.10	8.44	0.00	0.00	34.70	8.44	0.00	0.00
32.15	8.44	0.00	0.00	34.75	8.44	0.00	0.00
32.20	8.44	0.00	0.00	34.80	8.44	0.00	0.00
32.25	8.44	0.00	0.00	34.85	8.44	0.00	0.00
32.30	8.44	0.00	0.00	34.90	8.44	0.00	0.00
32.35	8.44	0.00	0.00	34.95	8.44	0.00	0.00
32.40	8.44	0.00	0.00	35.00	8.44	0.00	0.00
32.45	8.44	0.00	0.00	35.05	8.44	0.00	0.00
32.50	8.44	0.00	0.00	35.10	8.44	0.00	0.00
32.55	8.44	0.00	0.00	35.15	8.44	0.00	0.00
32.60	8.44	0.00	0.00	35.20	8.44	0.00	0.00
32.65	8.44	0.00	0.00	35.25	8.44	0.00	0.00
32.70	8.44	0.00	0.00	35.30	8.44	0.00	0.00
32.75	8.44	0.00	0.00	35.35	8.44	0.00	0.00
32.80	8.44	0.00	0.00	35.40	8.44	0.00	0.00
32.85	8.44	0.00	0.00	35.45	8.44	0.00	0.00
32.90	8.44	0.00	0.00	35.50	8.44	0.00	0.00
32.95	8.44	0.00	0.00	35.55	8.44	0.00	0.00
33.00	8.44	0.00	0.00	35.60	8.44	0.00	0.00
33.05	8.44	0.00	0.00	35.65	8.44	0.00	0.00
33.10	8.44	0.00	0.00	35.70	8.44	0.00	0.00
33.15	8.44	0.00	0.00	35.75	8.44	0.00	0.00
33.20	8.44	0.00	0.00	35.80	8.44	0.00	0.00
33.25	8.44	0.00	0.00	35.85	8.44	0.00	0.00
33.30	8.44	0.00	0.00	35.90	8.44	0.00	0.00
33.35	8.44	0.00	0.00	35.95	8.44	0.00	0.00
33.40	8.44	0.00	0.00	36.00	8.44	0.00	0.00
33.45	8.44	0.00	0.00	36.05	8.44	0.00	0.00
33.50	8.44	0.00	0.00	36.10	8.44	0.00	0.00
33.55	8.44	0.00	0.00	36.15	8.44	0.00	0.00
33.60	8.44	0.00	0.00	36.20	8.44	0.00	0.00
33.65	8.44	0.00	0.00	36.25	8.44	0.00	0.00
33.70	8.44	0.00	0.00	36.30	8.44	0.00	0.00
33.75	8.44	0.00	0.00	36.35	8.44	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	0.00	0.00
36.45	8.44	0.00	0.00
36.50	8.44	0.00	0.00
36.55	8.44	0.00	0.00
36.60	8.44	0.00	0.00
36.65	8.44	0.00	0.00
36.70	8.44	0.00	0.00
36.75	8.44	0.00	0.00
36.80	8.44	0.00	0.00
36.85	8.44	0.00	0.00
36.90	8.44	0.00	0.00
36.95	8.44	0.00	0.00
37.00	8.44	0.00	0.00
37.05	8.44	0.00	0.00
37.10	8.44	0.00	0.00
37.15	8.44	0.00	0.00
37.20	8.44	0.00	0.00
37.25	8.44	0.00	0.00
37.30	8.44	0.00	0.00
37.35	8.44	0.00	0.00
37.40	8.44	0.00	0.00
37.45	8.44	0.00	0.00
37.50	8.44	0.00	0.00
37.55	8.44	0.00	0.00
37.60	8.44	0.00	0.00
37.65	8.44	0.00	0.00
37.70	8.44	0.00	0.00
37.75	8.44	0.00	0.00
37.80	8.44	0.00	0.00
37.85	8.44	0.00	0.00
37.90	8.44	0.00	0.00
37.95	8.44	0.00	0.00
38.00	8.44	0.00	0.00
38.05	8.44	0.00	0.00
38.10	8.44	0.00	0.00
38.15	8.44	0.00	0.00
38.20	8.44	0.00	0.00
38.25	8.44	0.00	0.00
38.30	8.44	0.00	0.00
38.35	8.44	0.00	0.00
38.40	8.44	0.00	0.00
38.45	8.44	0.00	0.00
38.50	8.44	0.00	0.00
38.55	8.44	0.00	0.00
38.60	8.44	0.00	0.00
38.65	8.44	0.00	0.00
38.70	8.44	0.00	0.00
38.75	8.44	0.00	0.00
38.80	8.44	0.00	0.00
38.85	8.44	0.00	0.00
38.90	8.44	0.00	0.00
38.95	8.44	0.00	0.00
39.00	8.44	0.00	0.00
39.05	8.44	0.00	0.00
39.10	8.44	0.00	0.00
39.15	8.44	0.00	0.00
39.20	8.44	0.00	0.00
39.25	8.44	0.00	0.00
39.30	8.44	0.00	0.00
39.35	8.44	0.00	0.00
39.40	8.44	0.00	0.00
39.45	8.44	0.00	0.00
39.50	8.44	0.00	0.00
39.55	8.44	0.00	0.00
39.60	8.44	0.00	0.00
39.65	8.44	0.00	0.00
39.70	8.44	0.00	0.00
39.75	8.44	0.00	0.00
39.80	8.44	0.00	0.00
39.85	8.44	0.00	0.00
39.90	8.44	0.00	0.00
39.95	8.44	0.00	0.00
40.00	8.44	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

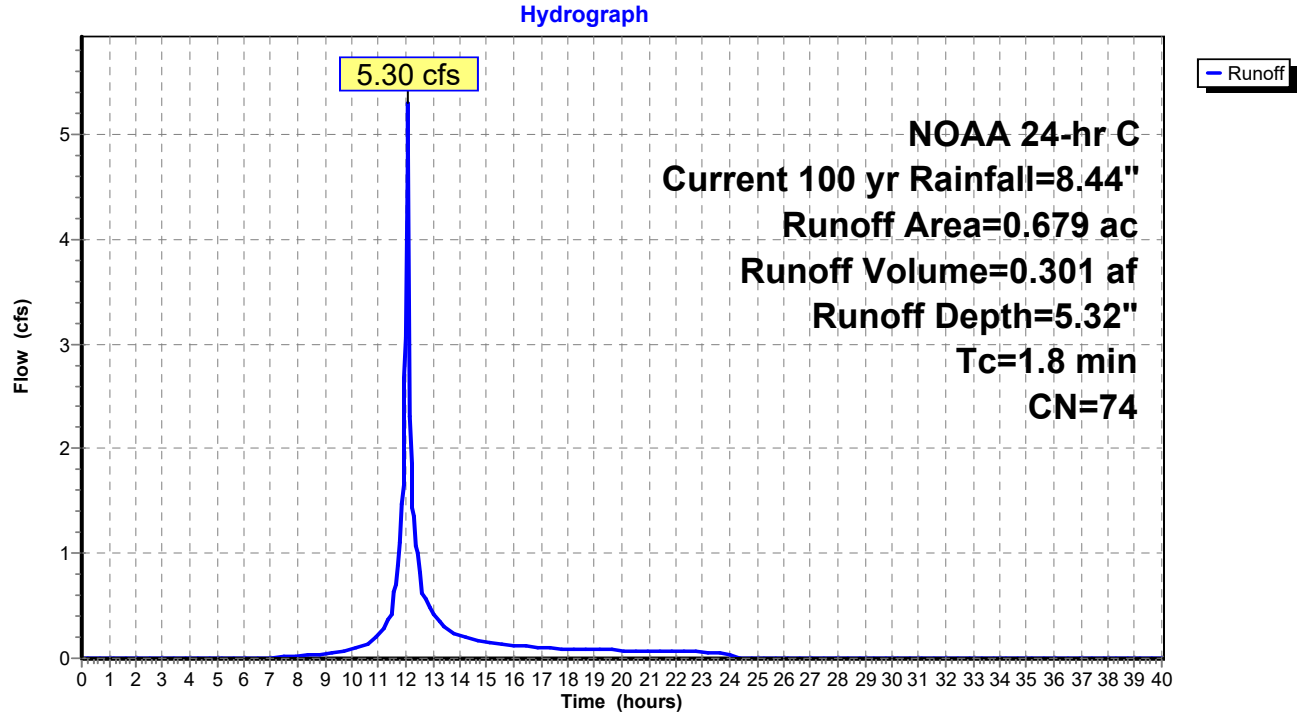
Runoff = 5.30 cfs @ 12.08 hrs, Volume= 0.301 af, Depth= 5.32"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.02
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.03
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.04
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.04
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.04
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.05
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.05
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.05
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.06
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.06
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.06
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.06
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.06
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.07
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.07
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.07
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.07
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.08
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.08
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.08
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.09
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.09
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.09
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.10
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.10
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.10
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.10
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.11

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.11	13.00	6.41	3.54	0.44
10.45	1.72	0.23	0.12	13.05	6.45	3.57	0.40
10.50	1.74	0.24	0.12	13.10	6.48	3.59	0.39
10.55	1.76	0.25	0.13	13.15	6.51	3.62	0.37
10.60	1.79	0.26	0.14	13.20	6.54	3.65	0.36
10.65	1.81	0.27	0.15	13.25	6.57	3.67	0.34
10.70	1.84	0.28	0.15	13.30	6.60	3.70	0.34
10.75	1.87	0.29	0.17	13.35	6.63	3.72	0.31
10.80	1.90	0.30	0.17	13.40	6.65	3.74	0.31
10.85	1.93	0.32	0.19	13.45	6.68	3.76	0.28
10.90	1.96	0.33	0.19	13.50	6.70	3.78	0.28
10.95	1.99	0.35	0.21	13.55	6.72	3.80	0.26
11.00	2.03	0.36	0.22	13.60	6.74	3.82	0.25
11.05	2.06	0.38	0.24	13.65	6.76	3.84	0.25
11.10	2.10	0.40	0.25	13.70	6.78	3.85	0.24
11.15	2.14	0.42	0.28	13.75	6.80	3.87	0.24
11.20	2.19	0.44	0.29	13.80	6.82	3.89	0.24
11.25	2.23	0.46	0.32	13.85	6.84	3.91	0.23
11.30	2.28	0.49	0.34	13.90	6.86	3.92	0.23
11.35	2.33	0.52	0.37	13.95	6.88	3.94	0.22
11.40	2.38	0.54	0.38	14.00	6.90	3.96	0.22
11.45	2.44	0.57	0.41	14.05	6.92	3.97	0.22
11.50	2.49	0.60	0.44	14.10	6.94	3.99	0.22
11.55	2.58	0.65	0.63	14.15	6.95	4.00	0.21
11.60	2.66	0.70	0.68	14.20	6.97	4.02	0.21
11.65	2.75	0.76	0.73	14.25	6.99	4.03	0.20
11.70	2.84	0.81	0.77	14.30	7.01	4.05	0.20
11.75	2.97	0.89	1.01	14.35	7.02	4.06	0.19
11.80	3.09	0.97	1.10	14.40	7.04	4.08	0.19
11.85	3.26	1.08	1.48	14.45	7.05	4.09	0.19
11.90	3.43	1.19	1.66	14.50	7.07	4.10	0.19
11.95	3.73	1.40	2.67	14.55	7.09	4.12	0.18
12.00	4.02	1.61	3.06	14.60	7.10	4.13	0.18
12.05	4.52	1.98	4.82	14.65	7.11	4.14	0.17
12.10	5.01	2.37	**5.03**	14.70	7.13	4.15	0.17
12.15	5.18	2.51	2.31	14.75	7.14	4.17	0.17
12.20	5.35	2.65	1.86	14.80	7.16	4.18	0.16
12.25	5.47	2.75	1.44	14.85	7.17	4.19	0.16
12.30	5.60	2.85	1.36	14.90	7.18	4.20	0.16
12.35	5.69	2.92	1.06	14.95	7.19	4.21	0.15
12.40	5.78	3.00	1.02	15.00	7.21	4.22	0.15
12.45	5.86	3.07	0.98	15.05	7.22	4.23	0.14
12.50	5.95	3.14	0.95	15.10	7.23	4.24	0.14
12.55	6.00	3.19	0.68	15.15	7.24	4.25	0.14
12.60	6.06	3.23	0.63	15.20	7.25	4.26	0.14
12.65	6.11	3.28	0.60	15.25	7.27	4.27	0.14
12.70	6.16	3.32	0.59	15.30	7.28	4.28	0.14
12.75	6.21	3.36	0.55	15.35	7.29	4.29	0.14
12.80	6.25	3.40	0.54	15.40	7.30	4.30	0.14
12.85	6.30	3.44	0.50	15.45	7.31	4.31	0.13
12.90	6.34	3.47	0.49	15.50	7.32	4.32	0.13
12.95	6.38	3.50	0.45	15.55	7.33	4.33	0.13

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.13	18.20	7.80	4.75	0.08
15.65	7.36	4.35	0.13	18.25	7.80	4.75	0.08
15.70	7.37	4.36	0.13	18.30	7.81	4.76	0.08
15.75	7.38	4.37	0.13	18.35	7.82	4.76	0.08
15.80	7.39	4.38	0.13	18.40	7.82	4.77	0.08
15.85	7.40	4.39	0.13	18.45	7.83	4.78	0.08
15.90	7.41	4.40	0.13	18.50	7.84	4.78	0.08
15.95	7.42	4.41	0.12	18.55	7.84	4.79	0.08
16.00	7.43	4.42	0.12	18.60	7.85	4.79	0.08
16.05	7.44	4.43	0.12	18.65	7.86	4.80	0.08
16.10	7.45	4.44	0.12	18.70	7.86	4.80	0.08
16.15	7.46	4.44	0.12	18.75	7.87	4.81	0.08
16.20	7.47	4.45	0.12	18.80	7.88	4.82	0.08
16.25	7.48	4.46	0.12	18.85	7.88	4.82	0.08
16.30	7.49	4.47	0.12	18.90	7.89	4.83	0.08
16.35	7.50	4.48	0.12	18.95	7.90	4.83	0.08
16.40	7.51	4.49	0.12	19.00	7.90	4.84	0.08
16.45	7.52	4.50	0.11	19.05	7.91	4.84	0.08
16.50	7.53	4.50	0.11	19.10	7.92	4.85	0.08
16.55	7.54	4.51	0.11	19.15	7.92	4.86	0.08
16.60	7.55	4.52	0.11	19.20	7.93	4.86	0.08
16.65	7.55	4.53	0.11	19.25	7.93	4.87	0.08
16.70	7.56	4.54	0.11	19.30	7.94	4.87	0.08
16.75	7.57	4.55	0.11	19.35	7.95	4.88	0.08
16.80	7.58	4.55	0.11	19.40	7.95	4.88	0.08
16.85	7.59	4.56	0.11	19.45	7.96	4.89	0.08
16.90	7.60	4.57	0.11	19.50	7.97	4.90	0.08
16.95	7.61	4.58	0.11	19.55	7.97	4.90	0.08
17.00	7.62	4.58	0.10	19.60	7.98	4.91	0.08
17.05	7.63	4.59	0.10	19.65	7.98	4.91	0.07
17.10	7.63	4.60	0.10	19.70	7.99	4.92	0.07
17.15	7.64	4.61	0.10	19.75	8.00	4.92	0.07
17.20	7.65	4.61	0.10	19.80	8.00	4.93	0.07
17.25	7.66	4.62	0.10	19.85	8.01	4.93	0.07
17.30	7.67	4.63	0.10	19.90	8.01	4.94	0.07
17.35	7.67	4.64	0.10	19.95	8.02	4.94	0.07
17.40	7.68	4.64	0.10	20.00	8.03	4.95	0.07
17.45	7.69	4.65	0.10	20.05	8.03	4.96	0.07
17.50	7.70	4.66	0.09	20.10	8.04	4.96	0.07
17.55	7.71	4.66	0.09	20.15	8.04	4.97	0.07
17.60	7.71	4.67	0.09	20.20	8.05	4.97	0.07
17.65	7.72	4.68	0.09	20.25	8.06	4.98	0.07
17.70	7.73	4.68	0.09	20.30	8.06	4.98	0.07
17.75	7.74	4.69	0.09	20.35	8.07	4.99	0.07
17.80	7.74	4.70	0.09	20.40	8.07	4.99	0.07
17.85	7.75	4.70	0.09	20.45	8.08	5.00	0.07
17.90	7.76	4.71	0.09	20.50	8.09	5.00	0.07
17.95	7.76	4.72	0.09	20.55	8.09	5.01	0.07
18.00	7.77	4.72	0.08	20.60	8.10	5.01	0.07
18.05	7.78	4.73	0.08	20.65	8.10	5.02	0.07
18.10	7.78	4.73	0.08	20.70	8.11	5.02	0.07
18.15	7.79	4.74	0.08	20.75	8.11	5.03	0.07

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.07	23.40	8.38	5.27	0.06
20.85	8.13	5.04	0.07	23.45	8.39	5.28	0.06
20.90	8.13	5.04	0.07	23.50	8.39	5.28	0.06
20.95	8.14	5.05	0.07	23.55	8.40	5.28	0.06
21.00	8.14	5.05	0.07	23.60	8.40	5.29	0.06
21.05	8.15	5.06	0.07	23.65	8.41	5.29	0.06
21.10	8.15	5.06	0.07	23.70	8.41	5.30	0.06
21.15	8.16	5.07	0.07	23.75	8.42	5.30	0.05
21.20	8.16	5.07	0.07	23.80	8.42	5.30	0.05
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.05
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.05
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.07
21.40	8.19	5.09	0.07	24.00	**8.44**	**5.32**	0.06
21.45	8.19	5.10	0.07	24.05	8.44	5.32	0.01
21.50	8.20	5.10	0.07	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.07	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.07	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.06	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.06	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.06	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.06	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.06	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.06	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.06	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.06	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.06	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.06	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.06	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.06	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.06	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.06	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.06	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.06	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.06	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.06	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.06	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.06	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.06	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.06	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.06	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.06	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.06	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.06	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.06	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.06	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.06	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

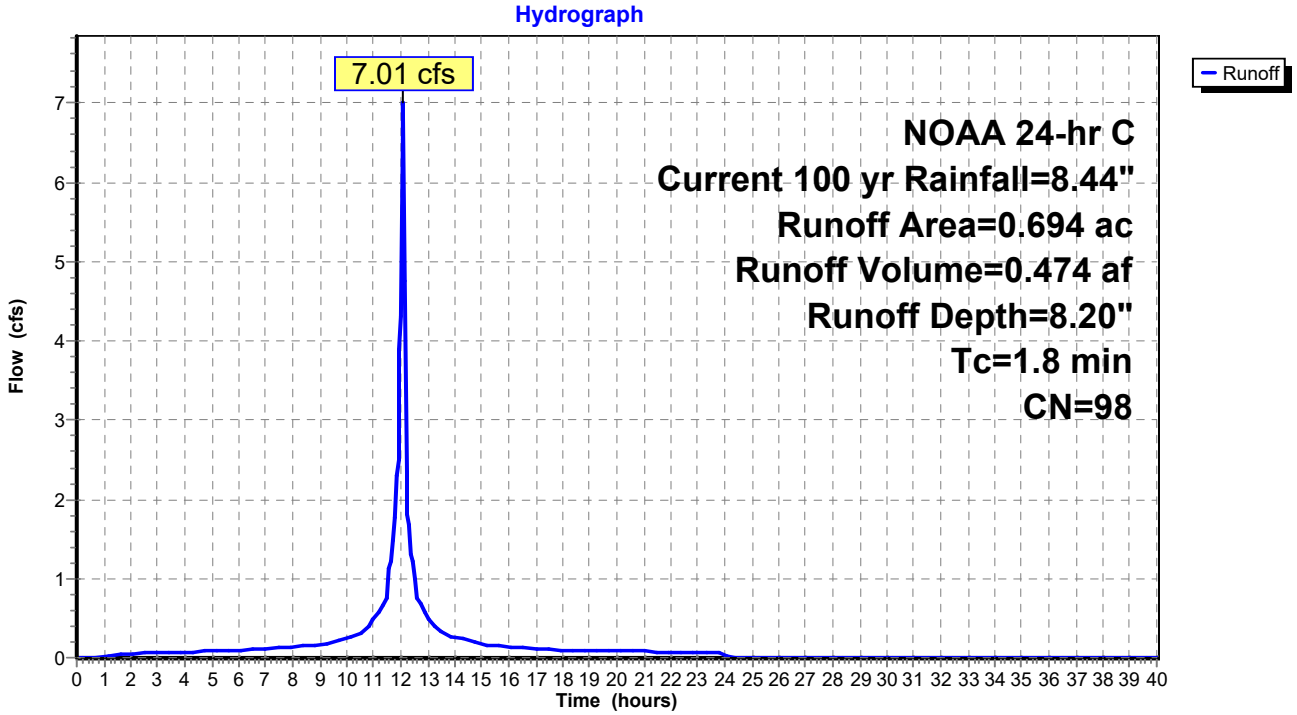
Runoff = 7.01 cfs @ 12.08 hrs, Volume= 0.474 af, Depth= 8.20"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.06
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.06
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.06
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.06
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.06
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.06
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.06
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.07
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.07
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.07
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.07
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.07
1.30	0.12	0.02	0.03	3.90	0.40	0.23	0.07
1.35	0.13	0.02	0.03	3.95	0.41	0.24	0.07
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.07
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.07
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.07
1.55	0.15	0.04	0.04	4.15	0.43	0.26	0.07
1.60	0.15	0.04	0.04	4.20	0.44	0.26	0.07
1.65	0.16	0.04	0.04	4.25	0.44	0.27	0.08
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.08
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.08
1.80	0.17	0.05	0.04	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.04	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.05	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.05	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.05	4.65	0.49	0.31	0.08
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.08
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.08
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.08
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.08
2.30	0.22	0.09	0.05	4.90	0.52	0.34	0.08
2.35	0.23	0.09	0.05	4.95	0.53	0.35	0.08
2.40	0.23	0.09	0.05	5.00	0.54	0.35	0.08
2.45	0.24	0.10	0.05	5.05	0.54	0.36	0.08
2.50	0.24	0.10	0.06	5.10	0.55	0.36	0.08
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.08

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.08	7.80	0.97	0.76	0.13
5.25	0.57	0.38	0.08	7.85	0.98	0.77	0.14
5.30	0.58	0.39	0.08	7.90	0.99	0.78	0.14
5.35	0.58	0.39	0.08	7.95	1.00	0.79	0.14
5.40	0.59	0.40	0.08	8.00	1.01	0.80	0.14
5.45	0.60	0.41	0.09	8.05	1.02	0.81	0.14
5.50	0.60	0.41	0.09	8.10	1.03	0.82	0.14
5.55	0.61	0.42	0.09	8.15	1.04	0.83	0.14
5.60	0.62	0.42	0.09	8.20	1.05	0.84	0.14
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.14
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.14
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.15
5.80	0.64	0.45	0.09	8.40	1.10	0.88	0.15
5.85	0.65	0.45	0.09	8.45	1.11	0.89	0.15
5.90	0.66	0.46	0.09	8.50	1.12	0.91	0.15
5.95	0.66	0.47	0.09	8.55	1.13	0.92	0.15
6.00	0.67	0.47	0.09	8.60	1.14	0.93	0.15
6.05	0.68	0.48	0.09	8.65	1.15	0.94	0.15
6.10	0.68	0.49	0.09	8.70	1.16	0.95	0.16
6.15	0.69	0.49	0.09	8.75	1.17	0.96	0.16
6.20	0.70	0.50	0.09	8.80	1.19	0.97	0.16
6.25	0.70	0.51	0.10	8.85	1.20	0.98	0.16
6.30	0.71	0.51	0.10	8.90	1.21	0.99	0.16
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.16
6.40	0.73	0.53	0.10	9.00	1.23	1.02	0.16
6.45	0.73	0.54	0.10	9.05	1.25	1.03	0.17
6.50	0.74	0.54	0.10	9.10	1.26	1.04	0.17
6.55	0.75	0.55	0.10	9.15	1.27	1.05	0.18
6.60	0.76	0.56	0.10	9.20	1.28	1.07	0.18
6.65	0.77	0.57	0.11	9.25	1.30	1.08	0.19
6.70	0.77	0.57	0.11	9.30	1.31	1.09	0.19
6.75	0.78	0.58	0.11	9.35	1.33	1.11	0.20
6.80	0.79	0.59	0.11	9.40	1.34	1.12	0.20
6.85	0.80	0.60	0.11	9.45	1.35	1.14	0.20
6.90	0.81	0.60	0.11	9.50	1.37	1.15	0.21
6.95	0.81	0.61	0.11	9.55	1.39	1.17	0.21
7.00	0.82	0.62	0.11	9.60	1.40	1.18	0.22
7.05	0.83	0.63	0.12	9.65	1.42	1.20	0.22
7.10	0.84	0.64	0.12	9.70	1.43	1.21	0.22
7.15	0.85	0.65	0.12	9.75	1.45	1.23	0.23
7.20	0.86	0.65	0.12	9.80	1.47	1.25	0.23
7.25	0.87	0.66	0.12	9.85	1.49	1.27	0.24
7.30	0.88	0.67	0.12	9.90	1.50	1.28	0.24
7.35	0.89	0.68	0.12	9.95	1.52	1.30	0.25
7.40	0.89	0.69	0.12	10.00	1.54	1.32	0.25
7.45	0.90	0.70	0.13	10.05	1.56	1.34	0.26
7.50	0.91	0.71	0.13	10.10	1.58	1.36	0.26
7.55	0.92	0.72	0.13	10.15	1.60	1.37	0.27
7.60	0.93	0.73	0.13	10.20	1.62	1.39	0.27
7.65	0.94	0.73	0.13	10.25	1.64	1.41	0.28
7.70	0.95	0.74	0.13	10.30	1.66	1.43	0.28
7.75	0.96	0.75	0.13	10.35	1.68	1.45	0.28

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.29	13.00	6.41	6.18	0.53
10.45	1.72	1.50	0.29	13.05	6.45	6.21	0.48
10.50	1.74	1.52	0.30	13.10	6.48	6.24	0.47
10.55	1.76	1.54	0.32	13.15	6.51	6.27	0.44
10.60	1.79	1.56	0.33	13.20	6.54	6.30	0.43
10.65	1.81	1.59	0.36	13.25	6.57	6.33	0.40
10.70	1.84	1.62	0.36	13.30	6.60	6.36	0.40
10.75	1.87	1.64	0.39	13.35	6.63	6.39	0.37
10.80	1.90	1.67	0.40	13.40	6.65	6.41	0.36
10.85	1.93	1.70	0.43	13.45	6.68	6.44	0.34
10.90	1.96	1.73	0.43	13.50	6.70	6.46	0.33
10.95	1.99	1.77	0.46	13.55	6.72	6.48	0.30
11.00	2.03	1.80	0.47	13.60	6.74	6.50	0.30
11.05	2.06	1.84	0.52	13.65	6.76	6.53	0.29
11.10	2.10	1.87	0.53	13.70	6.78	6.55	0.29
11.15	2.14	1.92	0.58	13.75	6.80	6.57	0.28
11.20	2.19	1.96	0.60	13.80	6.82	6.59	0.28
11.25	2.23	2.01	0.65	13.85	6.84	6.61	0.27
11.30	2.28	2.05	0.66	13.90	6.86	6.62	0.27
11.35	2.33	2.10	0.71	13.95	6.88	6.64	0.26
11.40	2.38	2.16	0.72	14.00	6.90	6.66	0.26
11.45	2.44	2.21	0.76	14.05	6.92	6.68	0.25
11.50	2.49	2.26	0.80	14.10	6.94	6.70	0.25
11.55	2.58	2.35	1.13	14.15	6.95	6.72	0.25
11.60	2.66	2.43	1.19	14.20	6.97	6.73	0.24
11.65	2.75	2.52	1.24	14.25	6.99	6.75	0.24
11.70	2.84	2.61	1.28	14.30	7.01	6.77	0.24
11.75	2.97	2.74	1.66	14.35	7.02	6.78	0.23
11.80	3.09	2.86	1.76	14.40	7.04	6.80	0.23
11.85	3.26	3.03	2.30	14.45	7.05	6.82	0.22
11.90	3.43	3.20	2.50	14.50	7.07	6.83	0.22
11.95	3.73	3.49	3.90	14.55	7.09	6.85	0.21
12.00	4.02	3.79	4.31	14.60	7.10	6.86	0.21
12.05	4.52	4.28	6.53	14.65	7.11	6.88	0.20
12.10	5.01	4.77	**6.57**	14.70	7.13	6.89	0.20
12.15	5.18	4.94	2.95	14.75	7.14	6.90	0.19
12.20	5.35	5.11	2.35	14.80	7.16	6.92	0.19
12.25	5.47	5.24	1.80	14.85	7.17	6.93	0.18
12.30	5.60	5.36	1.69	14.90	7.18	6.94	0.18
12.35	5.69	5.45	1.31	14.95	7.19	6.96	0.18
12.40	5.78	5.54	1.25	15.00	7.21	6.97	0.17
12.45	5.86	5.62	1.20	15.05	7.22	6.98	0.17
12.50	5.95	5.71	1.16	15.10	7.23	6.99	0.17
12.55	6.00	5.76	0.82	15.15	7.24	7.00	0.16
12.60	6.06	5.82	0.77	15.20	7.25	7.02	0.16
12.65	6.11	5.87	0.73	15.25	7.27	7.03	0.16
12.70	6.16	5.92	0.72	15.30	7.28	7.04	0.16
12.75	6.21	5.97	0.67	15.35	7.29	7.05	0.16
12.80	6.25	6.02	0.65	15.40	7.30	7.06	0.16
12.85	6.30	6.06	0.60	15.45	7.31	7.07	0.16
12.90	6.34	6.10	0.59	15.50	7.32	7.08	0.16
12.95	6.38	6.14	0.54	15.55	7.33	7.09	0.15

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.15	18.20	7.80	7.56	0.09
15.65	7.36	7.12	0.15	18.25	7.80	7.57	0.09
15.70	7.37	7.13	0.15	18.30	7.81	7.57	0.09
15.75	7.38	7.14	0.15	18.35	7.82	7.58	0.09
15.80	7.39	7.15	0.15	18.40	7.82	7.59	0.09
15.85	7.40	7.16	0.15	18.45	7.83	7.59	0.09
15.90	7.41	7.17	0.15	18.50	7.84	7.60	0.09
15.95	7.42	7.18	0.14	18.55	7.84	7.61	0.09
16.00	7.43	7.19	0.14	18.60	7.85	7.61	0.09
16.05	7.44	7.20	0.14	18.65	7.86	7.62	0.09
16.10	7.45	7.21	0.14	18.70	7.86	7.62	0.09
16.15	7.46	7.22	0.14	18.75	7.87	7.63	0.09
16.20	7.47	7.23	0.14	18.80	7.88	7.64	0.09
16.25	7.48	7.24	0.14	18.85	7.88	7.64	0.09
16.30	7.49	7.25	0.14	18.90	7.89	7.65	0.09
16.35	7.50	7.26	0.14	18.95	7.90	7.66	0.09
16.40	7.51	7.27	0.13	19.00	7.90	7.66	0.09
16.45	7.52	7.28	0.13	19.05	7.91	7.67	0.09
16.50	7.53	7.29	0.13	19.10	7.92	7.68	0.09
16.55	7.54	7.30	0.13	19.15	7.92	7.68	0.09
16.60	7.55	7.31	0.13	19.20	7.93	7.69	0.09
16.65	7.55	7.32	0.13	19.25	7.93	7.70	0.09
16.70	7.56	7.32	0.13	19.30	7.94	7.70	0.09
16.75	7.57	7.33	0.13	19.35	7.95	7.71	0.09
16.80	7.58	7.34	0.13	19.40	7.95	7.71	0.09
16.85	7.59	7.35	0.12	19.45	7.96	7.72	0.09
16.90	7.60	7.36	0.12	19.50	7.97	7.73	0.09
16.95	7.61	7.37	0.12	19.55	7.97	7.73	0.09
17.00	7.62	7.38	0.12	19.60	7.98	7.74	0.09
17.05	7.63	7.39	0.12	19.65	7.98	7.74	0.09
17.10	7.63	7.39	0.12	19.70	7.99	7.75	0.09
17.15	7.64	7.40	0.12	19.75	8.00	7.76	0.09
17.20	7.65	7.41	0.12	19.80	8.00	7.76	0.09
17.25	7.66	7.42	0.11	19.85	8.01	7.77	0.08
17.30	7.67	7.43	0.11	19.90	8.01	7.78	0.08
17.35	7.67	7.43	0.11	19.95	8.02	7.78	0.08
17.40	7.68	7.44	0.11	20.00	8.03	7.79	0.08
17.45	7.69	7.45	0.11	20.05	8.03	7.79	0.08
17.50	7.70	7.46	0.11	20.10	8.04	7.80	0.08
17.55	7.71	7.47	0.11	20.15	8.04	7.80	0.08
17.60	7.71	7.47	0.11	20.20	8.05	7.81	0.08
17.65	7.72	7.48	0.10	20.25	8.06	7.82	0.08
17.70	7.73	7.49	0.10	20.30	8.06	7.82	0.08
17.75	7.74	7.50	0.10	20.35	8.07	7.83	0.08
17.80	7.74	7.50	0.10	20.40	8.07	7.83	0.08
17.85	7.75	7.51	0.10	20.45	8.08	7.84	0.08
17.90	7.76	7.52	0.10	20.50	8.09	7.85	0.08
17.95	7.76	7.52	0.10	20.55	8.09	7.85	0.08
18.00	7.77	7.53	0.10	20.60	8.10	7.86	0.08
18.05	7.78	7.54	0.10	20.65	8.10	7.86	0.08
18.10	7.78	7.55	0.09	20.70	8.11	7.87	0.08
18.15	7.79	7.55	0.09	20.75	8.11	7.87	0.08

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.08	23.40	8.38	8.14	0.06
20.85	8.13	7.89	0.08	23.45	8.39	8.15	0.06
20.90	8.13	7.89	0.08	23.50	8.39	8.15	0.06
20.95	8.14	7.90	0.08	23.55	8.40	8.16	0.06
21.00	8.14	7.90	0.08	23.60	8.40	8.16	0.06
21.05	8.15	7.91	0.08	23.65	8.41	8.17	0.06
21.10	8.15	7.91	0.08	23.70	8.41	8.17	0.06
21.15	8.16	7.92	0.08	23.75	8.42	8.18	0.06
21.20	8.16	7.92	0.08	23.80	8.42	8.18	0.06
21.25	8.17	7.93	0.08	23.85	8.42	8.18	0.06
21.30	8.18	7.94	0.08	23.90	8.43	8.19	0.06
21.35	8.18	7.94	0.08	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.08	24.00	**8.44**	**8.20**	0.07
21.45	8.19	7.95	0.08	24.05	8.44	8.20	0.01
21.50	8.20	7.96	0.07	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.07	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.07	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.07	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.07	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.07	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.07	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.07	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.07	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.07	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.07	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.07	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.07	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.07	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.07	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.07	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.07	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.07	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.07	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.07	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.07	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.07	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.07	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.07	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.07	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.07	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.07	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.07	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.07	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.07	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.06	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.06	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.06	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.06	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

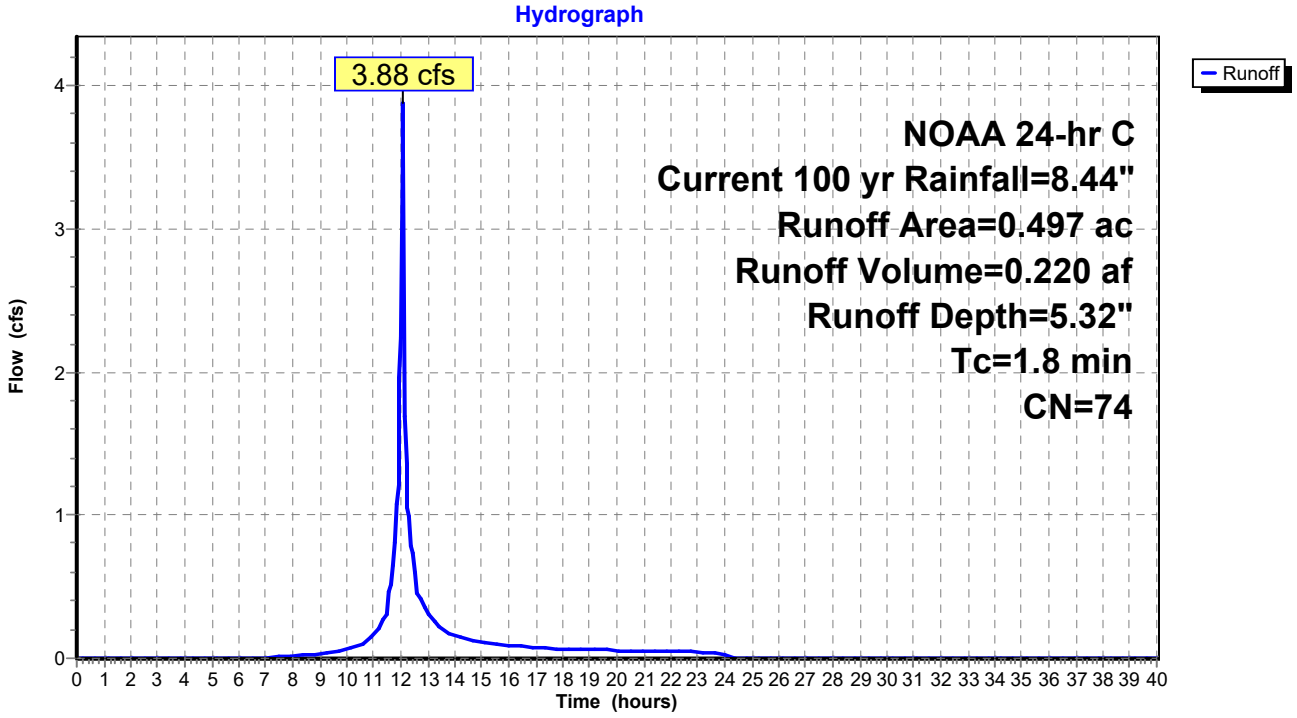
Runoff = 3.88 cfs @ 12.08 hrs, Volume= 0.220 af, Depth= 5.32"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.01
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.01
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.01
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.02
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.02
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.02
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.02
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.02
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.02
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.02
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.02
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.02
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.03
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.03
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.03
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.03
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.03
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.03
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.03
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.03
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.03
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.04
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.04
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.04
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.04
6.85	0.80	0.00	0.00	9.45	1.35	0.10	0.04
6.90	0.81	0.00	0.00	9.50	1.37	0.11	0.04
6.95	0.81	0.00	0.00	9.55	1.39	0.11	0.05
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.05
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.05
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.05
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.05
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.05
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.06
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.06
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.06
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.06
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.07
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.07
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.07
7.60	0.93	0.01	0.01	10.20	1.62	0.19	0.07
7.65	0.94	0.02	0.01	10.25	1.64	0.20	0.07
7.70	0.95	0.02	0.01	10.30	1.66	0.20	0.08
7.75	0.96	0.02	0.01	10.35	1.68	0.21	0.08

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.08	13.00	6.41	3.54	0.32
10.45	1.72	0.23	0.08	13.05	6.45	3.57	0.29
10.50	1.74	0.24	0.09	13.10	6.48	3.59	0.29
10.55	1.76	0.25	0.10	13.15	6.51	3.62	0.27
10.60	1.79	0.26	0.10	13.20	6.54	3.65	0.27
10.65	1.81	0.27	0.11	13.25	6.57	3.67	0.25
10.70	1.84	0.28	0.11	13.30	6.60	3.70	0.25
10.75	1.87	0.29	0.12	13.35	6.63	3.72	0.23
10.80	1.90	0.30	0.13	13.40	6.65	3.74	0.22
10.85	1.93	0.32	0.14	13.45	6.68	3.76	0.21
10.90	1.96	0.33	0.14	13.50	6.70	3.78	0.20
10.95	1.99	0.35	0.15	13.55	6.72	3.80	0.19
11.00	2.03	0.36	0.16	13.60	6.74	3.82	0.18
11.05	2.06	0.38	0.18	13.65	6.76	3.84	0.18
11.10	2.10	0.40	0.19	13.70	6.78	3.85	0.18
11.15	2.14	0.42	0.21	13.75	6.80	3.87	0.17
11.20	2.19	0.44	0.22	13.80	6.82	3.89	0.17
11.25	2.23	0.46	0.24	13.85	6.84	3.91	0.17
11.30	2.28	0.49	0.25	13.90	6.86	3.92	0.17
11.35	2.33	0.52	0.27	13.95	6.88	3.94	0.16
11.40	2.38	0.54	0.28	14.00	6.90	3.96	0.16
11.45	2.44	0.57	0.30	14.05	6.92	3.97	0.16
11.50	2.49	0.60	0.32	14.10	6.94	3.99	0.16
11.55	2.58	0.65	0.46	14.15	6.95	4.00	0.15
11.60	2.66	0.70	0.50	14.20	6.97	4.02	0.15
11.65	2.75	0.76	0.53	14.25	6.99	4.03	0.15
11.70	2.84	0.81	0.56	14.30	7.01	4.05	0.15
11.75	2.97	0.89	0.74	14.35	7.02	4.06	0.14
11.80	3.09	0.97	0.81	14.40	7.04	4.08	0.14
11.85	3.26	1.08	1.08	14.45	7.05	4.09	0.14
11.90	3.43	1.19	1.21	14.50	7.07	4.10	0.14
11.95	3.73	1.40	1.95	14.55	7.09	4.12	0.13
12.00	4.02	1.61	2.24	14.60	7.10	4.13	0.13
12.05	4.52	1.98	3.53	14.65	7.11	4.14	0.13
12.10	5.01	2.37	**3.68**	14.70	7.13	4.15	0.13
12.15	5.18	2.51	1.69	14.75	7.14	4.17	0.12
12.20	5.35	2.65	1.36	14.80	7.16	4.18	0.12
12.25	5.47	2.75	1.06	14.85	7.17	4.19	0.12
12.30	5.60	2.85	1.00	14.90	7.18	4.20	0.11
12.35	5.69	2.92	0.78	14.95	7.19	4.21	0.11
12.40	5.78	3.00	0.75	15.00	7.21	4.22	0.11
12.45	5.86	3.07	0.72	15.05	7.22	4.23	0.10
12.50	5.95	3.14	0.70	15.10	7.23	4.24	0.10
12.55	6.00	3.19	0.50	15.15	7.24	4.25	0.10
12.60	6.06	3.23	0.46	15.20	7.25	4.26	0.10
12.65	6.11	3.28	0.44	15.25	7.27	4.27	0.10
12.70	6.16	3.32	0.43	15.30	7.28	4.28	0.10
12.75	6.21	3.36	0.40	15.35	7.29	4.29	0.10
12.80	6.25	3.40	0.40	15.40	7.30	4.30	0.10
12.85	6.30	3.44	0.37	15.45	7.31	4.31	0.10
12.90	6.34	3.47	0.36	15.50	7.32	4.32	0.10
12.95	6.38	3.50	0.33	15.55	7.33	4.33	0.10

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.10	18.20	7.80	4.75	0.06
15.65	7.36	4.35	0.10	18.25	7.80	4.75	0.06
15.70	7.37	4.36	0.10	18.30	7.81	4.76	0.06
15.75	7.38	4.37	0.09	18.35	7.82	4.76	0.06
15.80	7.39	4.38	0.09	18.40	7.82	4.77	0.06
15.85	7.40	4.39	0.09	18.45	7.83	4.78	0.06
15.90	7.41	4.40	0.09	18.50	7.84	4.78	0.06
15.95	7.42	4.41	0.09	18.55	7.84	4.79	0.06
16.00	7.43	4.42	0.09	18.60	7.85	4.79	0.06
16.05	7.44	4.43	0.09	18.65	7.86	4.80	0.06
16.10	7.45	4.44	0.09	18.70	7.86	4.80	0.06
16.15	7.46	4.44	0.09	18.75	7.87	4.81	0.06
16.20	7.47	4.45	0.09	18.80	7.88	4.82	0.06
16.25	7.48	4.46	0.09	18.85	7.88	4.82	0.06
16.30	7.49	4.47	0.09	18.90	7.89	4.83	0.06
16.35	7.50	4.48	0.09	18.95	7.90	4.83	0.06
16.40	7.51	4.49	0.09	19.00	7.90	4.84	0.06
16.45	7.52	4.50	0.08	19.05	7.91	4.84	0.06
16.50	7.53	4.50	0.08	19.10	7.92	4.85	0.06
16.55	7.54	4.51	0.08	19.15	7.92	4.86	0.06
16.60	7.55	4.52	0.08	19.20	7.93	4.86	0.06
16.65	7.55	4.53	0.08	19.25	7.93	4.87	0.06
16.70	7.56	4.54	0.08	19.30	7.94	4.87	0.06
16.75	7.57	4.55	0.08	19.35	7.95	4.88	0.06
16.80	7.58	4.55	0.08	19.40	7.95	4.88	0.06
16.85	7.59	4.56	0.08	19.45	7.96	4.89	0.06
16.90	7.60	4.57	0.08	19.50	7.97	4.90	0.06
16.95	7.61	4.58	0.08	19.55	7.97	4.90	0.06
17.00	7.62	4.58	0.08	19.60	7.98	4.91	0.06
17.05	7.63	4.59	0.08	19.65	7.98	4.91	0.05
17.10	7.63	4.60	0.08	19.70	7.99	4.92	0.05
17.15	7.64	4.61	0.07	19.75	8.00	4.92	0.05
17.20	7.65	4.61	0.07	19.80	8.00	4.93	0.05
17.25	7.66	4.62	0.07	19.85	8.01	4.93	0.05
17.30	7.67	4.63	0.07	19.90	8.01	4.94	0.05
17.35	7.67	4.64	0.07	19.95	8.02	4.94	0.05
17.40	7.68	4.64	0.07	20.00	8.03	4.95	0.05
17.45	7.69	4.65	0.07	20.05	8.03	4.96	0.05
17.50	7.70	4.66	0.07	20.10	8.04	4.96	0.05
17.55	7.71	4.66	0.07	20.15	8.04	4.97	0.05
17.60	7.71	4.67	0.07	20.20	8.05	4.97	0.05
17.65	7.72	4.68	0.07	20.25	8.06	4.98	0.05
17.70	7.73	4.68	0.07	20.30	8.06	4.98	0.05
17.75	7.74	4.69	0.07	20.35	8.07	4.99	0.05
17.80	7.74	4.70	0.06	20.40	8.07	4.99	0.05
17.85	7.75	4.70	0.06	20.45	8.08	5.00	0.05
17.90	7.76	4.71	0.06	20.50	8.09	5.00	0.05
17.95	7.76	4.72	0.06	20.55	8.09	5.01	0.05
18.00	7.77	4.72	0.06	20.60	8.10	5.01	0.05
18.05	7.78	4.73	0.06	20.65	8.10	5.02	0.05
18.10	7.78	4.73	0.06	20.70	8.11	5.02	0.05
18.15	7.79	4.74	0.06	20.75	8.11	5.03	0.05

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.05	23.40	8.38	5.27	0.04
20.85	8.13	5.04	0.05	23.45	8.39	5.28	0.04
20.90	8.13	5.04	0.05	23.50	8.39	5.28	0.04
20.95	8.14	5.05	0.05	23.55	8.40	5.28	0.04
21.00	8.14	5.05	0.05	23.60	8.40	5.29	0.04
21.05	8.15	5.06	0.05	23.65	8.41	5.29	0.04
21.10	8.15	5.06	0.05	23.70	8.41	5.30	0.04
21.15	8.16	5.07	0.05	23.75	8.42	5.30	0.04
21.20	8.16	5.07	0.05	23.80	8.42	5.30	0.04
21.25	8.17	5.08	0.05	23.85	8.42	5.31	0.04
21.30	8.18	5.08	0.05	23.90	8.43	5.31	0.04
21.35	8.18	5.09	0.05	23.95	8.43	5.32	0.05
21.40	8.19	5.09	0.05	24.00	**8.44**	**5.32**	0.05
21.45	8.19	5.10	0.05	24.05	8.44	5.32	0.01
21.50	8.20	5.10	0.05	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.05	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.05	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.05	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.05	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.05	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.05	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.05	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.05	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.05	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.05	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.05	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.05	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.05	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.05	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.05	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.05	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.04	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.04	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.04	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.04	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.04	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.04	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.04	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.04	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.04	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.04	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.04	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.04	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.04	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.04	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.04	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.04	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.04	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.04	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.04	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.04	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.04	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

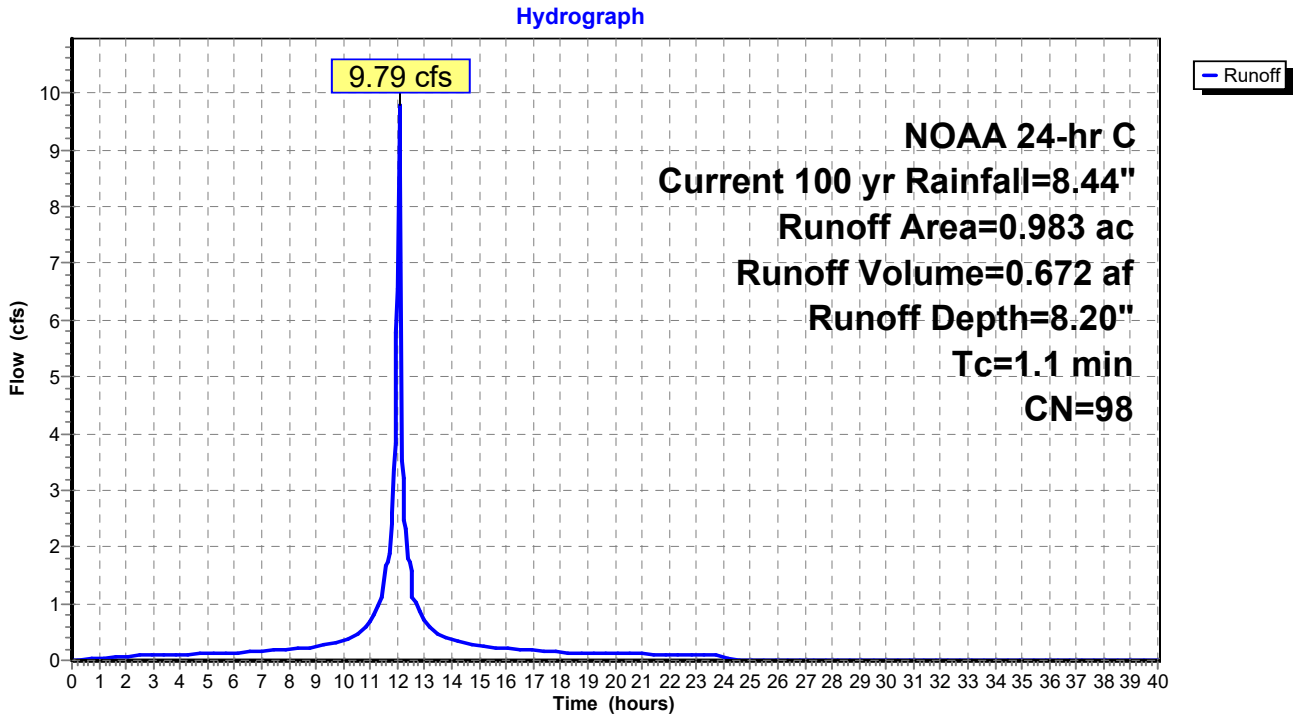
Runoff = 9.79 cfs @ 12.06 hrs, Volume= 0.672 af, Depth= 8.20"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.08
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.08
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.08
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.08
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.09
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.09
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.09
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.09
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.09
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.09
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.09
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.09
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.09
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.09
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.09
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.09
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.09
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.10
0.90	0.08	0.01	0.03	3.50	0.35	0.19	0.10
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.10
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.10
1.05	0.10	0.01	0.04	3.65	0.37	0.20	0.10
1.10	0.10	0.01	0.04	3.70	0.38	0.21	0.10
1.15	0.11	0.02	0.04	3.75	0.38	0.21	0.10
1.20	0.11	0.02	0.04	3.80	0.39	0.22	0.10
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.10
1.30	0.12	0.02	0.05	3.90	0.40	0.23	0.10
1.35	0.13	0.02	0.05	3.95	0.41	0.24	0.10
1.40	0.13	0.03	0.05	4.00	0.41	0.24	0.10
1.45	0.14	0.03	0.05	4.05	0.42	0.25	0.10
1.50	0.14	0.03	0.05	4.10	0.43	0.25	0.10
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.11
1.60	0.15	0.04	0.06	4.20	0.44	0.26	0.11
1.65	0.16	0.04	0.06	4.25	0.44	0.27	0.11
1.70	0.16	0.04	0.06	4.30	0.45	0.27	0.11
1.75	0.17	0.05	0.06	4.35	0.46	0.28	0.11
1.80	0.17	0.05	0.06	4.40	0.46	0.28	0.11
1.85	0.18	0.05	0.06	4.45	0.47	0.29	0.11
1.90	0.18	0.06	0.07	4.50	0.47	0.29	0.11
1.95	0.19	0.06	0.07	4.55	0.48	0.30	0.11
2.00	0.19	0.06	0.07	4.60	0.49	0.31	0.11
2.05	0.20	0.07	0.07	4.65	0.49	0.31	0.11
2.10	0.20	0.07	0.07	4.70	0.50	0.32	0.11
2.15	0.21	0.07	0.07	4.75	0.51	0.32	0.11
2.20	0.21	0.08	0.07	4.80	0.51	0.33	0.11
2.25	0.22	0.08	0.07	4.85	0.52	0.33	0.11
2.30	0.22	0.09	0.07	4.90	0.52	0.34	0.11
2.35	0.23	0.09	0.08	4.95	0.53	0.35	0.12
2.40	0.23	0.09	0.08	5.00	0.54	0.35	0.12
2.45	0.24	0.10	0.08	5.05	0.54	0.36	0.12
2.50	0.24	0.10	0.08	5.10	0.55	0.36	0.12
2.55	0.25	0.10	0.08	5.15	0.56	0.37	0.12

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.12	7.80	0.97	0.76	0.19
5.25	0.57	0.38	0.12	7.85	0.98	0.77	0.19
5.30	0.58	0.39	0.12	7.90	0.99	0.78	0.19
5.35	0.58	0.39	0.12	7.95	1.00	0.79	0.20
5.40	0.59	0.40	0.12	8.00	1.01	0.80	0.20
5.45	0.60	0.41	0.12	8.05	1.02	0.81	0.20
5.50	0.60	0.41	0.12	8.10	1.03	0.82	0.20
5.55	0.61	0.42	0.12	8.15	1.04	0.83	0.20
5.60	0.62	0.42	0.12	8.20	1.05	0.84	0.20
5.65	0.62	0.43	0.12	8.25	1.06	0.85	0.20
5.70	0.63	0.44	0.12	8.30	1.07	0.86	0.21
5.75	0.64	0.44	0.12	8.35	1.08	0.87	0.21
5.80	0.64	0.45	0.12	8.40	1.10	0.88	0.21
5.85	0.65	0.45	0.13	8.45	1.11	0.89	0.21
5.90	0.66	0.46	0.13	8.50	1.12	0.91	0.21
5.95	0.66	0.47	0.13	8.55	1.13	0.92	0.22
6.00	0.67	0.47	0.13	8.60	1.14	0.93	0.22
6.05	0.68	0.48	0.13	8.65	1.15	0.94	0.22
6.10	0.68	0.49	0.13	8.70	1.16	0.95	0.22
6.15	0.69	0.49	0.13	8.75	1.17	0.96	0.22
6.20	0.70	0.50	0.13	8.80	1.19	0.97	0.22
6.25	0.70	0.51	0.14	8.85	1.20	0.98	0.23
6.30	0.71	0.51	0.14	8.90	1.21	0.99	0.23
6.35	0.72	0.52	0.14	8.95	1.22	1.01	0.23
6.40	0.73	0.53	0.14	9.00	1.23	1.02	0.23
6.45	0.73	0.54	0.14	9.05	1.25	1.03	0.24
6.50	0.74	0.54	0.14	9.10	1.26	1.04	0.24
6.55	0.75	0.55	0.15	9.15	1.27	1.05	0.25
6.60	0.76	0.56	0.15	9.20	1.28	1.07	0.26
6.65	0.77	0.57	0.15	9.25	1.30	1.08	0.27
6.70	0.77	0.57	0.15	9.30	1.31	1.09	0.27
6.75	0.78	0.58	0.15	9.35	1.33	1.11	0.28
6.80	0.79	0.59	0.15	9.40	1.34	1.12	0.28
6.85	0.80	0.60	0.16	9.45	1.35	1.14	0.29
6.90	0.81	0.60	0.16	9.50	1.37	1.15	0.29
6.95	0.81	0.61	0.16	9.55	1.39	1.17	0.30
7.00	0.82	0.62	0.16	9.60	1.40	1.18	0.31
7.05	0.83	0.63	0.16	9.65	1.42	1.20	0.32
7.10	0.84	0.64	0.16	9.70	1.43	1.21	0.32
7.15	0.85	0.65	0.17	9.75	1.45	1.23	0.33
7.20	0.86	0.65	0.17	9.80	1.47	1.25	0.33
7.25	0.87	0.66	0.17	9.85	1.49	1.27	0.34
7.30	0.88	0.67	0.17	9.90	1.50	1.28	0.34
7.35	0.89	0.68	0.17	9.95	1.52	1.30	0.35
7.40	0.89	0.69	0.18	10.00	1.54	1.32	0.36
7.45	0.90	0.70	0.18	10.05	1.56	1.34	0.37
7.50	0.91	0.71	0.18	10.10	1.58	1.36	0.37
7.55	0.92	0.72	0.18	10.15	1.60	1.37	0.38
7.60	0.93	0.73	0.18	10.20	1.62	1.39	0.38
7.65	0.94	0.73	0.18	10.25	1.64	1.41	0.39
7.70	0.95	0.74	0.19	10.30	1.66	1.43	0.39
7.75	0.96	0.75	0.19	10.35	1.68	1.45	0.40

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.41	13.00	6.41	6.18	0.74
10.45	1.72	1.50	0.42	13.05	6.45	6.21	0.66
10.50	1.74	1.52	0.43	13.10	6.48	6.24	0.65
10.55	1.76	1.54	0.46	13.15	6.51	6.27	0.62
10.60	1.79	1.56	0.47	13.20	6.54	6.30	0.61
10.65	1.81	1.59	0.51	13.25	6.57	6.33	0.57
10.70	1.84	1.62	0.52	13.30	6.60	6.36	0.56
10.75	1.87	1.64	0.56	13.35	6.63	6.39	0.52
10.80	1.90	1.67	0.57	13.40	6.65	6.41	0.51
10.85	1.93	1.70	0.61	13.45	6.68	6.44	0.47
10.90	1.96	1.73	0.62	13.50	6.70	6.46	0.46
10.95	1.99	1.77	0.66	13.55	6.72	6.48	0.42
11.00	2.03	1.80	0.67	13.60	6.74	6.50	0.42
11.05	2.06	1.84	0.74	13.65	6.76	6.53	0.41
11.10	2.10	1.87	0.76	13.70	6.78	6.55	0.41
11.15	2.14	1.92	0.83	13.75	6.80	6.57	0.40
11.20	2.19	1.96	0.85	13.80	6.82	6.59	0.39
11.25	2.23	2.01	0.92	13.85	6.84	6.61	0.39
11.30	2.28	2.05	0.94	13.90	6.86	6.62	0.38
11.35	2.33	2.10	1.01	13.95	6.88	6.64	0.37
11.40	2.38	2.16	1.03	14.00	6.90	6.66	0.37
11.45	2.44	2.21	1.08	14.05	6.92	6.68	0.36
11.50	2.49	2.26	1.19	14.10	6.94	6.70	0.36
11.55	2.58	2.35	1.67	14.15	6.95	6.72	0.35
11.60	2.66	2.43	1.70	14.20	6.97	6.73	0.35
11.65	2.75	2.52	1.77	14.25	6.99	6.75	0.33
11.70	2.84	2.61	1.89	14.30	7.01	6.77	0.33
11.75	2.97	2.74	2.42	14.35	7.02	6.78	0.32
11.80	3.09	2.86	2.60	14.40	7.04	6.80	0.32
11.85	3.26	3.03	3.36	14.45	7.05	6.82	0.31
11.90	3.43	3.20	3.82	14.50	7.07	6.83	0.31
11.95	3.73	3.49	5.78	14.55	7.09	6.85	0.30
12.00	4.02	3.79	6.54	14.60	7.10	6.86	0.29
12.05	4.52	4.28	**9.66**	14.65	7.11	6.88	0.28
12.10	5.01	4.77	8.60	14.70	7.13	6.89	0.28
12.15	5.18	4.94	3.51	14.75	7.14	6.90	0.27
12.20	5.35	5.11	3.21	14.80	7.16	6.92	0.27
12.25	5.47	5.24	2.46	14.85	7.17	6.93	0.26
12.30	5.60	5.36	2.32	14.90	7.18	6.94	0.26
12.35	5.69	5.45	1.79	14.95	7.19	6.96	0.25
12.40	5.78	5.54	1.76	15.00	7.21	6.97	0.24
12.45	5.86	5.62	1.69	15.05	7.22	6.98	0.24
12.50	5.95	5.71	1.58	15.10	7.23	6.99	0.23
12.55	6.00	5.76	1.10	15.15	7.24	7.00	0.23
12.60	6.06	5.82	1.08	15.20	7.25	7.02	0.23
12.65	6.11	5.87	1.02	15.25	7.27	7.03	0.23
12.70	6.16	5.92	1.01	15.30	7.28	7.04	0.23
12.75	6.21	5.97	0.93	15.35	7.29	7.05	0.22
12.80	6.25	6.02	0.92	15.40	7.30	7.06	0.22
12.85	6.30	6.06	0.84	15.45	7.31	7.07	0.22
12.90	6.34	6.10	0.83	15.50	7.32	7.08	0.22
12.95	6.38	6.14	0.75	15.55	7.33	7.09	0.22

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.22	18.20	7.80	7.56	0.13
15.65	7.36	7.12	0.21	18.25	7.80	7.57	0.13
15.70	7.37	7.13	0.21	18.30	7.81	7.57	0.13
15.75	7.38	7.14	0.21	18.35	7.82	7.58	0.13
15.80	7.39	7.15	0.21	18.40	7.82	7.59	0.13
15.85	7.40	7.16	0.21	18.45	7.83	7.59	0.13
15.90	7.41	7.17	0.21	18.50	7.84	7.60	0.13
15.95	7.42	7.18	0.20	18.55	7.84	7.61	0.13
16.00	7.43	7.19	0.20	18.60	7.85	7.61	0.13
16.05	7.44	7.20	0.20	18.65	7.86	7.62	0.13
16.10	7.45	7.21	0.20	18.70	7.86	7.62	0.13
16.15	7.46	7.22	0.20	18.75	7.87	7.63	0.13
16.20	7.47	7.23	0.20	18.80	7.88	7.64	0.13
16.25	7.48	7.24	0.19	18.85	7.88	7.64	0.13
16.30	7.49	7.25	0.19	18.90	7.89	7.65	0.13
16.35	7.50	7.26	0.19	18.95	7.90	7.66	0.13
16.40	7.51	7.27	0.19	19.00	7.90	7.66	0.13
16.45	7.52	7.28	0.19	19.05	7.91	7.67	0.13
16.50	7.53	7.29	0.19	19.10	7.92	7.68	0.13
16.55	7.54	7.30	0.18	19.15	7.92	7.68	0.13
16.60	7.55	7.31	0.18	19.20	7.93	7.69	0.13
16.65	7.55	7.32	0.18	19.25	7.93	7.70	0.12
16.70	7.56	7.32	0.18	19.30	7.94	7.70	0.12
16.75	7.57	7.33	0.18	19.35	7.95	7.71	0.12
16.80	7.58	7.34	0.18	19.40	7.95	7.71	0.12
16.85	7.59	7.35	0.17	19.45	7.96	7.72	0.12
16.90	7.60	7.36	0.17	19.50	7.97	7.73	0.12
16.95	7.61	7.37	0.17	19.55	7.97	7.73	0.12
17.00	7.62	7.38	0.17	19.60	7.98	7.74	0.12
17.05	7.63	7.39	0.17	19.65	7.98	7.74	0.12
17.10	7.63	7.39	0.17	19.70	7.99	7.75	0.12
17.15	7.64	7.40	0.16	19.75	8.00	7.76	0.12
17.20	7.65	7.41	0.16	19.80	8.00	7.76	0.12
17.25	7.66	7.42	0.16	19.85	8.01	7.77	0.12
17.30	7.67	7.43	0.16	19.90	8.01	7.78	0.12
17.35	7.67	7.43	0.16	19.95	8.02	7.78	0.12
17.40	7.68	7.44	0.16	20.00	8.03	7.79	0.12
17.45	7.69	7.45	0.15	20.05	8.03	7.79	0.12
17.50	7.70	7.46	0.15	20.10	8.04	7.80	0.12
17.55	7.71	7.47	0.15	20.15	8.04	7.80	0.12
17.60	7.71	7.47	0.15	20.20	8.05	7.81	0.12
17.65	7.72	7.48	0.15	20.25	8.06	7.82	0.12
17.70	7.73	7.49	0.15	20.30	8.06	7.82	0.12
17.75	7.74	7.50	0.14	20.35	8.07	7.83	0.12
17.80	7.74	7.50	0.14	20.40	8.07	7.83	0.12
17.85	7.75	7.51	0.14	20.45	8.08	7.84	0.11
17.90	7.76	7.52	0.14	20.50	8.09	7.85	0.11
17.95	7.76	7.52	0.14	20.55	8.09	7.85	0.11
18.00	7.77	7.53	0.14	20.60	8.10	7.86	0.11
18.05	7.78	7.54	0.13	20.65	8.10	7.86	0.11
18.10	7.78	7.55	0.13	20.70	8.11	7.87	0.11
18.15	7.79	7.55	0.13	20.75	8.11	7.87	0.11

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.11	23.40	8.38	8.14	0.09
20.85	8.13	7.89	0.11	23.45	8.39	8.15	0.09
20.90	8.13	7.89	0.11	23.50	8.39	8.15	0.09
20.95	8.14	7.90	0.11	23.55	8.40	8.16	0.09
21.00	8.14	7.90	0.11	23.60	8.40	8.16	0.09
21.05	8.15	7.91	0.11	23.65	8.41	8.17	0.09
21.10	8.15	7.91	0.11	23.70	8.41	8.17	0.09
21.15	8.16	7.92	0.11	23.75	8.42	8.18	0.09
21.20	8.16	7.92	0.11	23.80	8.42	8.18	0.09
21.25	8.17	7.93	0.11	23.85	8.42	8.18	0.09
21.30	8.18	7.94	0.11	23.90	8.43	8.19	0.09
21.35	8.18	7.94	0.11	23.95	8.43	8.19	0.11
21.40	8.19	7.95	0.11	24.00	**8.44**	**8.20**	0.09
21.45	8.19	7.95	0.11	24.05	8.44	8.20	0.00
21.50	8.20	7.96	0.11	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.11	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.11	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.10	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.10	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.10	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.10	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.10	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.10	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.10	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.10	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.10	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.10	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.10	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.10	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.10	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.10	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.10	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.10	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.10	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.10	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.10	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.10	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.10	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.10	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.10	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.10	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.09	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.09	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.09	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.09	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.09	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.09	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.09	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.09	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.09	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.09	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.09	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

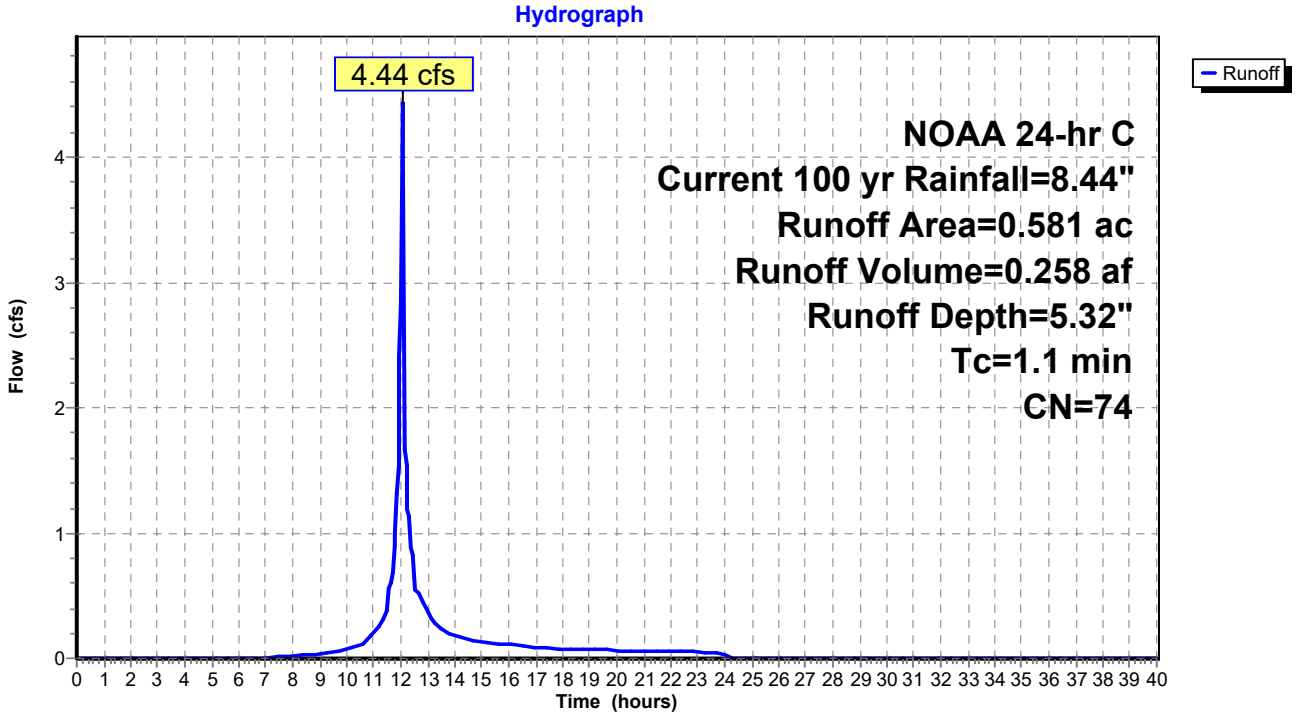
Runoff = 4.44 cfs @ 12.07 hrs, Volume= 0.258 af, Depth= 5.32"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.02
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.02
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.02
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.03
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.03
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.03
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.03
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.03
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.03
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.04
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.04
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.04
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.04
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.04
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.05
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.05
6.85	0.80	0.00	0.00	9.45	1.35	0.10	0.05
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.05
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.05
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.06
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.06
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.06
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.06
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.06
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.07
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.07
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.07
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.07
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.08
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.08
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.08
7.60	0.93	0.01	0.01	10.20	1.62	0.19	0.08
7.65	0.94	0.02	0.01	10.25	1.64	0.20	0.09
7.70	0.95	0.02	0.01	10.30	1.66	0.20	0.09
7.75	0.96	0.02	0.01	10.35	1.68	0.21	0.09

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.10	13.00	6.41	3.54	0.37
10.45	1.72	0.23	0.10	13.05	6.45	3.57	0.34
10.50	1.74	0.24	0.10	13.10	6.48	3.59	0.33
10.55	1.76	0.25	0.11	13.15	6.51	3.62	0.31
10.60	1.79	0.26	0.12	13.20	6.54	3.65	0.31
10.65	1.81	0.27	0.13	13.25	6.57	3.67	0.29
10.70	1.84	0.28	0.13	13.30	6.60	3.70	0.28
10.75	1.87	0.29	0.15	13.35	6.63	3.72	0.26
10.80	1.90	0.30	0.15	13.40	6.65	3.74	0.26
10.85	1.93	0.32	0.16	13.45	6.68	3.76	0.24
10.90	1.96	0.33	0.17	13.50	6.70	3.78	0.24
10.95	1.99	0.35	0.18	13.55	6.72	3.80	0.22
11.00	2.03	0.36	0.19	13.60	6.74	3.82	0.22
11.05	2.06	0.38	0.21	13.65	6.76	3.84	0.21
11.10	2.10	0.40	0.22	13.70	6.78	3.85	0.21
11.15	2.14	0.42	0.25	13.75	6.80	3.87	0.20
11.20	2.19	0.44	0.26	13.80	6.82	3.89	0.20
11.25	2.23	0.46	0.28	13.85	6.84	3.91	0.20
11.30	2.28	0.49	0.29	13.90	6.86	3.92	0.20
11.35	2.33	0.52	0.32	13.95	6.88	3.94	0.19
11.40	2.38	0.54	0.33	14.00	6.90	3.96	0.19
11.45	2.44	0.57	0.35	14.05	6.92	3.97	0.18
11.50	2.49	0.60	0.40	14.10	6.94	3.99	0.18
11.55	2.58	0.65	0.57	14.15	6.95	4.00	0.18
11.60	2.66	0.70	0.59	14.20	6.97	4.02	0.18
11.65	2.75	0.76	0.63	14.25	6.99	4.03	0.17
11.70	2.84	0.81	0.69	14.30	7.01	4.05	0.17
11.75	2.97	0.89	0.90	14.35	7.02	4.06	0.17
11.80	3.09	0.97	0.99	14.40	7.04	4.08	0.17
11.85	3.26	1.08	1.31	14.45	7.05	4.09	0.16
11.90	3.43	1.19	1.54	14.50	7.07	4.10	0.16
11.95	3.73	1.40	2.41	14.55	7.09	4.12	0.15
12.00	4.02	1.61	2.83	14.60	7.10	4.13	0.15
12.05	4.52	1.98	**4.34**	14.65	7.11	4.14	0.15
12.10	5.01	2.37	4.01	14.70	7.13	4.15	0.15
12.15	5.18	2.51	1.67	14.75	7.14	4.17	0.14
12.20	5.35	2.65	1.54	14.80	7.16	4.18	0.14
12.25	5.47	2.75	1.19	14.85	7.17	4.19	0.13
12.30	5.60	2.85	1.13	14.90	7.18	4.20	0.13
12.35	5.69	2.92	0.88	14.95	7.19	4.21	0.13
12.40	5.78	3.00	0.87	15.00	7.21	4.22	0.13
12.45	5.86	3.07	0.84	15.05	7.22	4.23	0.12
12.50	5.95	3.14	0.78	15.10	7.23	4.24	0.12
12.55	6.00	3.19	0.55	15.15	7.24	4.25	0.12
12.60	6.06	3.23	0.54	15.20	7.25	4.26	0.12
12.65	6.11	3.28	0.51	15.25	7.27	4.27	0.12
12.70	6.16	3.32	0.50	15.30	7.28	4.28	0.12
12.75	6.21	3.36	0.47	15.35	7.29	4.29	0.12
12.80	6.25	3.40	0.46	15.40	7.30	4.30	0.12
12.85	6.30	3.44	0.42	15.45	7.31	4.31	0.11
12.90	6.34	3.47	0.42	15.50	7.32	4.32	0.11
12.95	6.38	3.50	0.38	15.55	7.33	4.33	0.11

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.11	18.20	7.80	4.75	0.07
15.65	7.36	4.35	0.11	18.25	7.80	4.75	0.07
15.70	7.37	4.36	0.11	18.30	7.81	4.76	0.07
15.75	7.38	4.37	0.11	18.35	7.82	4.76	0.07
15.80	7.39	4.38	0.11	18.40	7.82	4.77	0.07
15.85	7.40	4.39	0.11	18.45	7.83	4.78	0.07
15.90	7.41	4.40	0.11	18.50	7.84	4.78	0.07
15.95	7.42	4.41	0.11	18.55	7.84	4.79	0.07
16.00	7.43	4.42	0.11	18.60	7.85	4.79	0.07
16.05	7.44	4.43	0.11	18.65	7.86	4.80	0.07
16.10	7.45	4.44	0.10	18.70	7.86	4.80	0.07
16.15	7.46	4.44	0.10	18.75	7.87	4.81	0.07
16.20	7.47	4.45	0.10	18.80	7.88	4.82	0.07
16.25	7.48	4.46	0.10	18.85	7.88	4.82	0.07
16.30	7.49	4.47	0.10	18.90	7.89	4.83	0.07
16.35	7.50	4.48	0.10	18.95	7.90	4.83	0.07
16.40	7.51	4.49	0.10	19.00	7.90	4.84	0.07
16.45	7.52	4.50	0.10	19.05	7.91	4.84	0.07
16.50	7.53	4.50	0.10	19.10	7.92	4.85	0.07
16.55	7.54	4.51	0.10	19.15	7.92	4.86	0.07
16.60	7.55	4.52	0.10	19.20	7.93	4.86	0.07
16.65	7.55	4.53	0.09	19.25	7.93	4.87	0.07
16.70	7.56	4.54	0.09	19.30	7.94	4.87	0.07
16.75	7.57	4.55	0.09	19.35	7.95	4.88	0.07
16.80	7.58	4.55	0.09	19.40	7.95	4.88	0.07
16.85	7.59	4.56	0.09	19.45	7.96	4.89	0.06
16.90	7.60	4.57	0.09	19.50	7.97	4.90	0.06
16.95	7.61	4.58	0.09	19.55	7.97	4.90	0.06
17.00	7.62	4.58	0.09	19.60	7.98	4.91	0.06
17.05	7.63	4.59	0.09	19.65	7.98	4.91	0.06
17.10	7.63	4.60	0.09	19.70	7.99	4.92	0.06
17.15	7.64	4.61	0.09	19.75	8.00	4.92	0.06
17.20	7.65	4.61	0.09	19.80	8.00	4.93	0.06
17.25	7.66	4.62	0.08	19.85	8.01	4.93	0.06
17.30	7.67	4.63	0.08	19.90	8.01	4.94	0.06
17.35	7.67	4.64	0.08	19.95	8.02	4.94	0.06
17.40	7.68	4.64	0.08	20.00	8.03	4.95	0.06
17.45	7.69	4.65	0.08	20.05	8.03	4.96	0.06
17.50	7.70	4.66	0.08	20.10	8.04	4.96	0.06
17.55	7.71	4.66	0.08	20.15	8.04	4.97	0.06
17.60	7.71	4.67	0.08	20.20	8.05	4.97	0.06
17.65	7.72	4.68	0.08	20.25	8.06	4.98	0.06
17.70	7.73	4.68	0.08	20.30	8.06	4.98	0.06
17.75	7.74	4.69	0.08	20.35	8.07	4.99	0.06
17.80	7.74	4.70	0.08	20.40	8.07	4.99	0.06
17.85	7.75	4.70	0.07	20.45	8.08	5.00	0.06
17.90	7.76	4.71	0.07	20.50	8.09	5.00	0.06
17.95	7.76	4.72	0.07	20.55	8.09	5.01	0.06
18.00	7.77	4.72	0.07	20.60	8.10	5.01	0.06
18.05	7.78	4.73	0.07	20.65	8.10	5.02	0.06
18.10	7.78	4.73	0.07	20.70	8.11	5.02	0.06
18.15	7.79	4.74	0.07	20.75	8.11	5.03	0.06

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.06	23.40	8.38	5.27	0.05
20.85	8.13	5.04	0.06	23.45	8.39	5.28	0.05
20.90	8.13	5.04	0.06	23.50	8.39	5.28	0.05
20.95	8.14	5.05	0.06	23.55	8.40	5.28	0.05
21.00	8.14	5.05	0.06	23.60	8.40	5.29	0.05
21.05	8.15	5.06	0.06	23.65	8.41	5.29	0.05
21.10	8.15	5.06	0.06	23.70	8.41	5.30	0.05
21.15	8.16	5.07	0.06	23.75	8.42	5.30	0.05
21.20	8.16	5.07	0.06	23.80	8.42	5.30	0.05
21.25	8.17	5.08	0.06	23.85	8.42	5.31	0.05
21.30	8.18	5.08	0.06	23.90	8.43	5.31	0.05
21.35	8.18	5.09	0.06	23.95	8.43	5.32	0.06
21.40	8.19	5.09	0.06	24.00	**8.44**	**5.32**	0.05
21.45	8.19	5.10	0.06	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.06	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.06	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.06	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.06	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.06	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.06	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.06	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.05	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.05	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.05	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.05	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.05	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.05	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.05	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.05	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.05	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.05	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.05	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.05	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.05	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.05	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.05	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.05	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.05	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.05	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.05	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.05	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.05	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.05	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.05	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.05	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.05	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.05	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.05	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.05	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.05	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.05	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.05	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

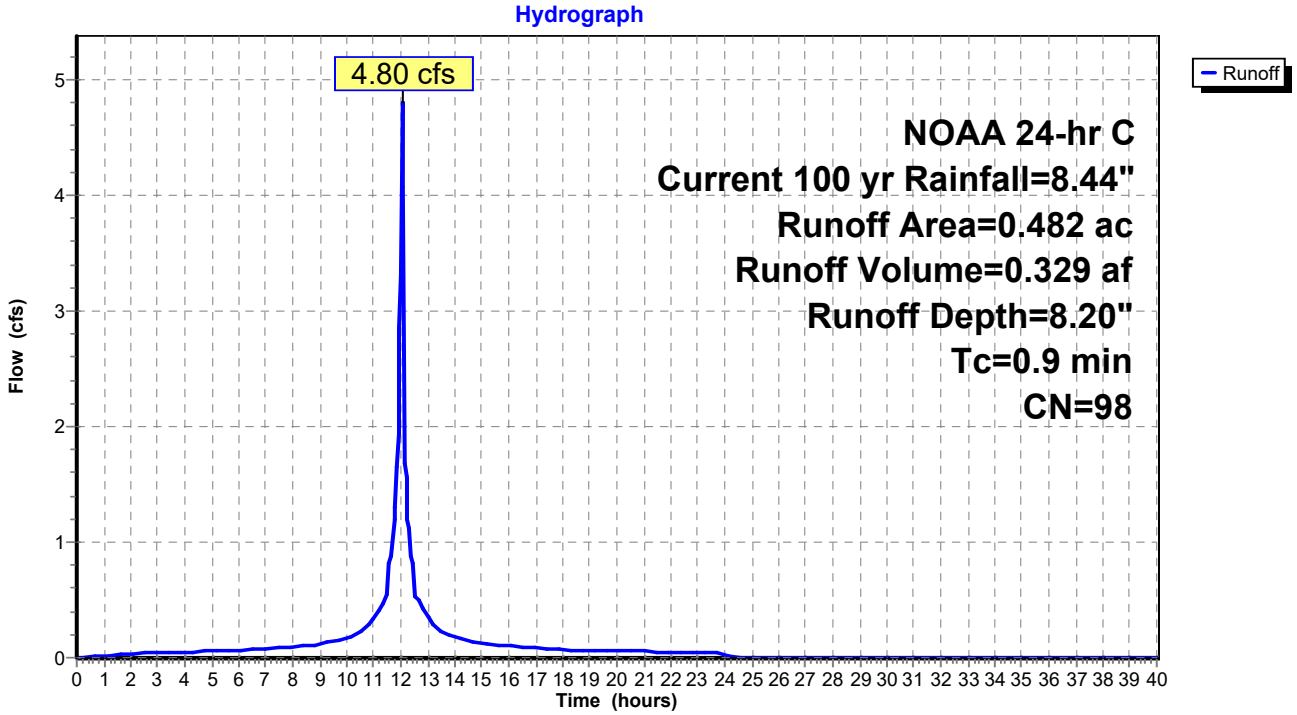
Runoff = 4.80 cfs @ 12.06 hrs, Volume= 0.329 af, Depth= 8.20"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.04
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.04
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.04
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.04
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.04
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.04
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.05
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.05
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.05
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.05
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.05
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.05
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.05
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.05
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.05
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.05
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.05
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.02	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.05
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.05
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.05
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.05
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.05
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.05
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.05
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.05
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.05
2.05	0.20	0.07	0.03	4.65	0.49	0.31	0.05
2.10	0.20	0.07	0.03	4.70	0.50	0.32	0.05
2.15	0.21	0.07	0.03	4.75	0.51	0.32	0.06
2.20	0.21	0.08	0.04	4.80	0.51	0.33	0.06
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.06
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.06
2.35	0.23	0.09	0.04	4.95	0.53	0.35	0.06
2.40	0.23	0.09	0.04	5.00	0.54	0.35	0.06
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.06
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.06
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.06

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.06	7.80	0.97	0.76	0.09
5.25	0.57	0.38	0.06	7.85	0.98	0.77	0.09
5.30	0.58	0.39	0.06	7.90	0.99	0.78	0.09
5.35	0.58	0.39	0.06	7.95	1.00	0.79	0.10
5.40	0.59	0.40	0.06	8.00	1.01	0.80	0.10
5.45	0.60	0.41	0.06	8.05	1.02	0.81	0.10
5.50	0.60	0.41	0.06	8.10	1.03	0.82	0.10
5.55	0.61	0.42	0.06	8.15	1.04	0.83	0.10
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.10
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.10
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.10
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.10
5.80	0.64	0.45	0.06	8.40	1.10	0.88	0.10
5.85	0.65	0.45	0.06	8.45	1.11	0.89	0.10
5.90	0.66	0.46	0.06	8.50	1.12	0.91	0.10
5.95	0.66	0.47	0.06	8.55	1.13	0.92	0.11
6.00	0.67	0.47	0.06	8.60	1.14	0.93	0.11
6.05	0.68	0.48	0.06	8.65	1.15	0.94	0.11
6.10	0.68	0.49	0.06	8.70	1.16	0.95	0.11
6.15	0.69	0.49	0.07	8.75	1.17	0.96	0.11
6.20	0.70	0.50	0.07	8.80	1.19	0.97	0.11
6.25	0.70	0.51	0.07	8.85	1.20	0.98	0.11
6.30	0.71	0.51	0.07	8.90	1.21	0.99	0.11
6.35	0.72	0.52	0.07	8.95	1.22	1.01	0.11
6.40	0.73	0.53	0.07	9.00	1.23	1.02	0.11
6.45	0.73	0.54	0.07	9.05	1.25	1.03	0.12
6.50	0.74	0.54	0.07	9.10	1.26	1.04	0.12
6.55	0.75	0.55	0.07	9.15	1.27	1.05	0.12
6.60	0.76	0.56	0.07	9.20	1.28	1.07	0.13
6.65	0.77	0.57	0.07	9.25	1.30	1.08	0.13
6.70	0.77	0.57	0.07	9.30	1.31	1.09	0.13
6.75	0.78	0.58	0.08	9.35	1.33	1.11	0.14
6.80	0.79	0.59	0.08	9.40	1.34	1.12	0.14
6.85	0.80	0.60	0.08	9.45	1.35	1.14	0.14
6.90	0.81	0.60	0.08	9.50	1.37	1.15	0.14
6.95	0.81	0.61	0.08	9.55	1.39	1.17	0.15
7.00	0.82	0.62	0.08	9.60	1.40	1.18	0.15
7.05	0.83	0.63	0.08	9.65	1.42	1.20	0.16
7.10	0.84	0.64	0.08	9.70	1.43	1.21	0.16
7.15	0.85	0.65	0.08	9.75	1.45	1.23	0.16
7.20	0.86	0.65	0.08	9.80	1.47	1.25	0.16
7.25	0.87	0.66	0.08	9.85	1.49	1.27	0.17
7.30	0.88	0.67	0.08	9.90	1.50	1.28	0.17
7.35	0.89	0.68	0.09	9.95	1.52	1.30	0.17
7.40	0.89	0.69	0.09	10.00	1.54	1.32	0.18
7.45	0.90	0.70	0.09	10.05	1.56	1.34	0.18
7.50	0.91	0.71	0.09	10.10	1.58	1.36	0.18
7.55	0.92	0.72	0.09	10.15	1.60	1.37	0.19
7.60	0.93	0.73	0.09	10.20	1.62	1.39	0.19
7.65	0.94	0.73	0.09	10.25	1.64	1.41	0.19
7.70	0.95	0.74	0.09	10.30	1.66	1.43	0.19
7.75	0.96	0.75	0.09	10.35	1.68	1.45	0.20

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.20	13.00	6.41	6.18	0.36
10.45	1.72	1.50	0.21	13.05	6.45	6.21	0.33
10.50	1.74	1.52	0.21	13.10	6.48	6.24	0.32
10.55	1.76	1.54	0.23	13.15	6.51	6.27	0.30
10.60	1.79	1.56	0.23	13.20	6.54	6.30	0.30
10.65	1.81	1.59	0.25	13.25	6.57	6.33	0.28
10.70	1.84	1.62	0.26	13.30	6.60	6.36	0.27
10.75	1.87	1.64	0.28	13.35	6.63	6.39	0.25
10.80	1.90	1.67	0.28	13.40	6.65	6.41	0.25
10.85	1.93	1.70	0.30	13.45	6.68	6.44	0.23
10.90	1.96	1.73	0.30	13.50	6.70	6.46	0.23
10.95	1.99	1.77	0.32	13.55	6.72	6.48	0.21
11.00	2.03	1.80	0.33	13.60	6.74	6.50	0.21
11.05	2.06	1.84	0.37	13.65	6.76	6.53	0.20
11.10	2.10	1.87	0.38	13.70	6.78	6.55	0.20
11.15	2.14	1.92	0.41	13.75	6.80	6.57	0.19
11.20	2.19	1.96	0.42	13.80	6.82	6.59	0.19
11.25	2.23	2.01	0.45	13.85	6.84	6.61	0.19
11.30	2.28	2.05	0.46	13.90	6.86	6.62	0.19
11.35	2.33	2.10	0.50	13.95	6.88	6.64	0.18
11.40	2.38	2.16	0.51	14.00	6.90	6.66	0.18
11.45	2.44	2.21	0.53	14.05	6.92	6.68	0.18
11.50	2.49	2.26	0.60	14.10	6.94	6.70	0.17
11.55	2.58	2.35	0.82	14.15	6.95	6.72	0.17
11.60	2.66	2.43	0.83	14.20	6.97	6.73	0.17
11.65	2.75	2.52	0.87	14.25	6.99	6.75	0.16
11.70	2.84	2.61	0.94	14.30	7.01	6.77	0.16
11.75	2.97	2.74	1.19	14.35	7.02	6.78	0.16
11.80	3.09	2.86	1.30	14.40	7.04	6.80	0.16
11.85	3.26	3.03	1.65	14.45	7.05	6.82	0.15
11.90	3.43	3.20	1.93	14.50	7.07	6.83	0.15
11.95	3.73	3.49	2.85	14.55	7.09	6.85	0.15
12.00	4.02	3.79	3.30	14.60	7.10	6.86	0.14
12.05	4.52	4.28	**4.76**	14.65	7.11	6.88	0.14
12.10	5.01	4.77	4.06	14.70	7.13	6.89	0.14
12.15	5.18	4.94	1.68	14.75	7.14	6.90	0.13
12.20	5.35	5.11	1.55	14.80	7.16	6.92	0.13
12.25	5.47	5.24	1.20	14.85	7.17	6.93	0.13
12.30	5.60	5.36	1.12	14.90	7.18	6.94	0.13
12.35	5.69	5.45	0.87	14.95	7.19	6.96	0.12
12.40	5.78	5.54	0.86	15.00	7.21	6.97	0.12
12.45	5.86	5.62	0.83	15.05	7.22	6.98	0.12
12.50	5.95	5.71	0.76	15.10	7.23	6.99	0.11
12.55	6.00	5.76	0.54	15.15	7.24	7.00	0.11
12.60	6.06	5.82	0.53	15.20	7.25	7.02	0.11
12.65	6.11	5.87	0.50	15.25	7.27	7.03	0.11
12.70	6.16	5.92	0.49	15.30	7.28	7.04	0.11
12.75	6.21	5.97	0.46	15.35	7.29	7.05	0.11
12.80	6.25	6.02	0.45	15.40	7.30	7.06	0.11
12.85	6.30	6.06	0.41	15.45	7.31	7.07	0.11
12.90	6.34	6.10	0.40	15.50	7.32	7.08	0.11
12.95	6.38	6.14	0.37	15.55	7.33	7.09	0.11

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.11	18.20	7.80	7.56	0.07
15.65	7.36	7.12	0.10	18.25	7.80	7.57	0.07
15.70	7.37	7.13	0.10	18.30	7.81	7.57	0.07
15.75	7.38	7.14	0.10	18.35	7.82	7.58	0.06
15.80	7.39	7.15	0.10	18.40	7.82	7.59	0.06
15.85	7.40	7.16	0.10	18.45	7.83	7.59	0.06
15.90	7.41	7.17	0.10	18.50	7.84	7.60	0.06
15.95	7.42	7.18	0.10	18.55	7.84	7.61	0.06
16.00	7.43	7.19	0.10	18.60	7.85	7.61	0.06
16.05	7.44	7.20	0.10	18.65	7.86	7.62	0.06
16.10	7.45	7.21	0.10	18.70	7.86	7.62	0.06
16.15	7.46	7.22	0.10	18.75	7.87	7.63	0.06
16.20	7.47	7.23	0.10	18.80	7.88	7.64	0.06
16.25	7.48	7.24	0.10	18.85	7.88	7.64	0.06
16.30	7.49	7.25	0.09	18.90	7.89	7.65	0.06
16.35	7.50	7.26	0.09	18.95	7.90	7.66	0.06
16.40	7.51	7.27	0.09	19.00	7.90	7.66	0.06
16.45	7.52	7.28	0.09	19.05	7.91	7.67	0.06
16.50	7.53	7.29	0.09	19.10	7.92	7.68	0.06
16.55	7.54	7.30	0.09	19.15	7.92	7.68	0.06
16.60	7.55	7.31	0.09	19.20	7.93	7.69	0.06
16.65	7.55	7.32	0.09	19.25	7.93	7.70	0.06
16.70	7.56	7.32	0.09	19.30	7.94	7.70	0.06
16.75	7.57	7.33	0.09	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.09	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.09	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.09	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.08	19.55	7.97	7.73	0.06
17.00	7.62	7.38	0.08	19.60	7.98	7.74	0.06
17.05	7.63	7.39	0.08	19.65	7.98	7.74	0.06
17.10	7.63	7.39	0.08	19.70	7.99	7.75	0.06
17.15	7.64	7.40	0.08	19.75	8.00	7.76	0.06
17.20	7.65	7.41	0.08	19.80	8.00	7.76	0.06
17.25	7.66	7.42	0.08	19.85	8.01	7.77	0.06
17.30	7.67	7.43	0.08	19.90	8.01	7.78	0.06
17.35	7.67	7.43	0.08	19.95	8.02	7.78	0.06
17.40	7.68	7.44	0.08	20.00	8.03	7.79	0.06
17.45	7.69	7.45	0.08	20.05	8.03	7.79	0.06
17.50	7.70	7.46	0.08	20.10	8.04	7.80	0.06
17.55	7.71	7.47	0.07	20.15	8.04	7.80	0.06
17.60	7.71	7.47	0.07	20.20	8.05	7.81	0.06
17.65	7.72	7.48	0.07	20.25	8.06	7.82	0.06
17.70	7.73	7.49	0.07	20.30	8.06	7.82	0.06
17.75	7.74	7.50	0.07	20.35	8.07	7.83	0.06
17.80	7.74	7.50	0.07	20.40	8.07	7.83	0.06
17.85	7.75	7.51	0.07	20.45	8.08	7.84	0.06
17.90	7.76	7.52	0.07	20.50	8.09	7.85	0.06
17.95	7.76	7.52	0.07	20.55	8.09	7.85	0.06
18.00	7.77	7.53	0.07	20.60	8.10	7.86	0.06
18.05	7.78	7.54	0.07	20.65	8.10	7.86	0.06
18.10	7.78	7.55	0.07	20.70	8.11	7.87	0.06
18.15	7.79	7.55	0.07	20.75	8.11	7.87	0.05

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.05	23.40	8.38	8.14	0.04
20.85	8.13	7.89	0.05	23.45	8.39	8.15	0.04
20.90	8.13	7.89	0.05	23.50	8.39	8.15	0.04
20.95	8.14	7.90	0.05	23.55	8.40	8.16	0.04
21.00	8.14	7.90	0.05	23.60	8.40	8.16	0.04
21.05	8.15	7.91	0.05	23.65	8.41	8.17	0.04
21.10	8.15	7.91	0.05	23.70	8.41	8.17	0.04
21.15	8.16	7.92	0.05	23.75	8.42	8.18	0.04
21.20	8.16	7.92	0.05	23.80	8.42	8.18	0.04
21.25	8.17	7.93	0.05	23.85	8.42	8.18	0.04
21.30	8.18	7.94	0.05	23.90	8.43	8.19	0.04
21.35	8.18	7.94	0.05	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.05	24.00	**8.44**	**8.20**	0.04
21.45	8.19	7.95	0.05	24.05	8.44	8.20	0.00
21.50	8.20	7.96	0.05	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.05	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.05	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.05	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.05	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.05	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.05	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.05	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.05	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.05	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.05	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.05	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.05	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.05	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.05	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.05	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.05	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.05	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.05	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.05	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.05	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.05	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.05	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.04	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.04	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.04	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

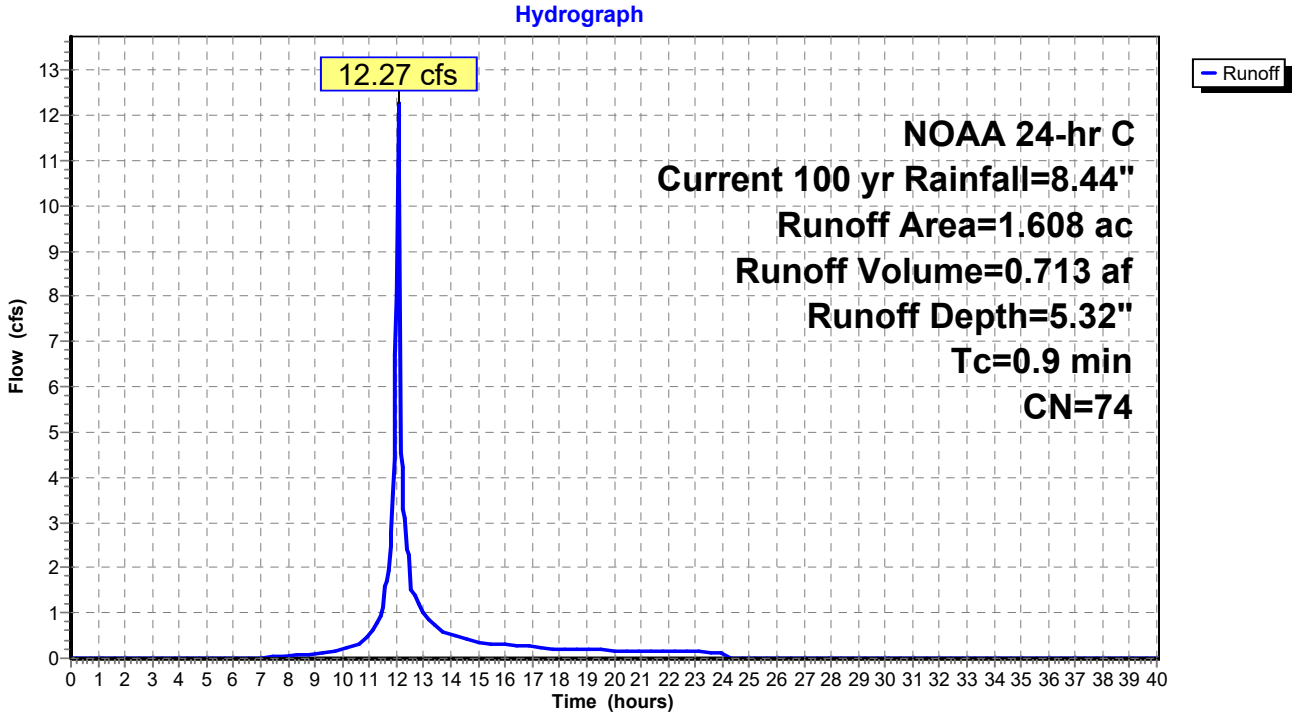
Runoff = 12.27 cfs @ 12.06 hrs, Volume= 0.713 af, Depth= 5.32"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.04
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.05
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.05
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.05
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.05
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.05
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.05
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.06
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.06
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.06
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.06
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.06
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.07
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.07
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.07
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.07
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.08
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.08
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.08
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.08
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.08
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.09
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.09
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.09
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.09
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.10
6.50	0.74	0.00	0.01	9.10	1.26	0.08	0.10
6.55	0.75	0.00	0.01	9.15	1.27	0.08	0.11
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.11
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.12
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.12
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.13
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.13
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.14
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.14
6.95	0.81	0.00	0.02	9.55	1.39	0.11	0.15
7.00	0.82	0.00	0.02	9.60	1.40	0.12	0.16
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.16
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.17
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.17
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.18
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.19
7.30	0.88	0.01	0.03	9.90	1.50	0.15	0.19
7.35	0.89	0.01	0.03	9.95	1.52	0.15	0.20
7.40	0.89	0.01	0.03	10.00	1.54	0.16	0.21
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.21
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.22
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.23
7.60	0.93	0.01	0.04	10.20	1.62	0.19	0.23
7.65	0.94	0.02	0.04	10.25	1.64	0.20	0.24
7.70	0.95	0.02	0.04	10.30	1.66	0.20	0.25
7.75	0.96	0.02	0.04	10.35	1.68	0.21	0.26

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.26	13.00	6.41	3.54	1.02
10.45	1.72	0.23	0.27	13.05	6.45	3.57	0.93
10.50	1.74	0.24	0.29	13.10	6.48	3.59	0.91
10.55	1.76	0.25	0.31	13.15	6.51	3.62	0.86
10.60	1.79	0.26	0.33	13.20	6.54	3.65	0.85
10.65	1.81	0.27	0.36	13.25	6.57	3.67	0.80
10.70	1.84	0.28	0.37	13.30	6.60	3.70	0.78
10.75	1.87	0.29	0.40	13.35	6.63	3.72	0.73
10.80	1.90	0.30	0.42	13.40	6.65	3.74	0.72
10.85	1.93	0.32	0.45	13.45	6.68	3.76	0.67
10.90	1.96	0.33	0.47	13.50	6.70	3.78	0.65
10.95	1.99	0.35	0.50	13.55	6.72	3.80	0.60
11.00	2.03	0.36	0.53	13.60	6.74	3.82	0.59
11.05	2.06	0.38	0.59	13.65	6.76	3.84	0.58
11.10	2.10	0.40	0.62	13.70	6.78	3.85	0.58
11.15	2.14	0.42	0.68	13.75	6.80	3.87	0.56
11.20	2.19	0.44	0.71	13.80	6.82	3.89	0.56
11.25	2.23	0.46	0.78	13.85	6.84	3.91	0.55
11.30	2.28	0.49	0.81	13.90	6.86	3.92	0.54
11.35	2.33	0.52	0.89	13.95	6.88	3.94	0.53
11.40	2.38	0.54	0.92	14.00	6.90	3.96	0.53
11.45	2.44	0.57	0.98	14.05	6.92	3.97	0.51
11.50	2.49	0.60	1.12	14.10	6.94	3.99	0.51
11.55	2.58	0.65	1.58	14.15	6.95	4.00	0.50
11.60	2.66	0.70	1.64	14.20	6.97	4.02	0.49
11.65	2.75	0.76	1.74	14.25	6.99	4.03	0.48
11.70	2.84	0.81	1.93	14.30	7.01	4.05	0.47
11.75	2.97	0.89	2.49	14.35	7.02	4.06	0.46
11.80	3.09	0.97	2.79	14.40	7.04	4.08	0.46
11.85	3.26	1.08	3.65	14.45	7.05	4.09	0.44
11.90	3.43	1.19	4.40	14.50	7.07	4.10	0.44
11.95	3.73	1.40	6.71	14.55	7.09	4.12	0.42
12.00	4.02	1.61	8.07	14.60	7.10	4.13	0.42
12.05	4.52	1.98	**12.12**	14.65	7.11	4.14	0.41
12.10	5.01	2.37	10.71	14.70	7.13	4.15	0.40
12.15	5.18	2.51	4.52	14.75	7.14	4.17	0.39
12.20	5.35	2.65	4.21	14.80	7.16	4.18	0.39
12.25	5.47	2.75	3.28	14.85	7.17	4.19	0.37
12.30	5.60	2.85	3.08	14.90	7.18	4.20	0.37
12.35	5.69	2.92	2.42	14.95	7.19	4.21	0.35
12.40	5.78	3.00	2.39	15.00	7.21	4.22	0.35
12.45	5.86	3.07	2.31	15.05	7.22	4.23	0.34
12.50	5.95	3.14	2.13	15.10	7.23	4.24	0.34
12.55	6.00	3.19	1.51	15.15	7.24	4.25	0.33
12.60	6.06	3.23	1.48	15.20	7.25	4.26	0.33
12.65	6.11	3.28	1.41	15.25	7.27	4.27	0.33
12.70	6.16	3.32	1.39	15.30	7.28	4.28	0.33
12.75	6.21	3.36	1.29	15.35	7.29	4.29	0.32
12.80	6.25	3.40	1.27	15.40	7.30	4.30	0.32
12.85	6.30	3.44	1.17	15.45	7.31	4.31	0.32
12.90	6.34	3.47	1.15	15.50	7.32	4.32	0.32
12.95	6.38	3.50	1.05	15.55	7.33	4.33	0.31

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.31	18.20	7.80	4.75	0.19
15.65	7.36	4.35	0.31	18.25	7.80	4.75	0.19
15.70	7.37	4.36	0.31	18.30	7.81	4.76	0.19
15.75	7.38	4.37	0.30	18.35	7.82	4.76	0.19
15.80	7.39	4.38	0.30	18.40	7.82	4.77	0.19
15.85	7.40	4.39	0.30	18.45	7.83	4.78	0.19
15.90	7.41	4.40	0.30	18.50	7.84	4.78	0.19
15.95	7.42	4.41	0.29	18.55	7.84	4.79	0.19
16.00	7.43	4.42	0.29	18.60	7.85	4.79	0.19
16.05	7.44	4.43	0.29	18.65	7.86	4.80	0.19
16.10	7.45	4.44	0.29	18.70	7.86	4.80	0.19
16.15	7.46	4.44	0.29	18.75	7.87	4.81	0.19
16.20	7.47	4.45	0.29	18.80	7.88	4.82	0.19
16.25	7.48	4.46	0.28	18.85	7.88	4.82	0.19
16.30	7.49	4.47	0.28	18.90	7.89	4.83	0.19
16.35	7.50	4.48	0.28	18.95	7.90	4.83	0.19
16.40	7.51	4.49	0.28	19.00	7.90	4.84	0.19
16.45	7.52	4.50	0.27	19.05	7.91	4.84	0.18
16.50	7.53	4.50	0.27	19.10	7.92	4.85	0.18
16.55	7.54	4.51	0.27	19.15	7.92	4.86	0.18
16.60	7.55	4.52	0.27	19.20	7.93	4.86	0.18
16.65	7.55	4.53	0.26	19.25	7.93	4.87	0.18
16.70	7.56	4.54	0.26	19.30	7.94	4.87	0.18
16.75	7.57	4.55	0.26	19.35	7.95	4.88	0.18
16.80	7.58	4.55	0.26	19.40	7.95	4.88	0.18
16.85	7.59	4.56	0.25	19.45	7.96	4.89	0.18
16.90	7.60	4.57	0.25	19.50	7.97	4.90	0.18
16.95	7.61	4.58	0.25	19.55	7.97	4.90	0.18
17.00	7.62	4.58	0.25	19.60	7.98	4.91	0.18
17.05	7.63	4.59	0.24	19.65	7.98	4.91	0.18
17.10	7.63	4.60	0.24	19.70	7.99	4.92	0.18
17.15	7.64	4.61	0.24	19.75	8.00	4.92	0.18
17.20	7.65	4.61	0.24	19.80	8.00	4.93	0.18
17.25	7.66	4.62	0.23	19.85	8.01	4.93	0.18
17.30	7.67	4.63	0.23	19.90	8.01	4.94	0.17
17.35	7.67	4.64	0.23	19.95	8.02	4.94	0.17
17.40	7.68	4.64	0.23	20.00	8.03	4.95	0.17
17.45	7.69	4.65	0.22	20.05	8.03	4.96	0.17
17.50	7.70	4.66	0.22	20.10	8.04	4.96	0.17
17.55	7.71	4.66	0.22	20.15	8.04	4.97	0.17
17.60	7.71	4.67	0.22	20.20	8.05	4.97	0.17
17.65	7.72	4.68	0.22	20.25	8.06	4.98	0.17
17.70	7.73	4.68	0.21	20.30	8.06	4.98	0.17
17.75	7.74	4.69	0.21	20.35	8.07	4.99	0.17
17.80	7.74	4.70	0.21	20.40	8.07	4.99	0.17
17.85	7.75	4.70	0.21	20.45	8.08	5.00	0.17
17.90	7.76	4.71	0.20	20.50	8.09	5.00	0.17
17.95	7.76	4.72	0.20	20.55	8.09	5.01	0.17
18.00	7.77	4.72	0.20	20.60	8.10	5.01	0.17
18.05	7.78	4.73	0.20	20.65	8.10	5.02	0.17
18.10	7.78	4.73	0.20	20.70	8.11	5.02	0.17
18.15	7.79	4.74	0.19	20.75	8.11	5.03	0.16

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.16	23.40	8.38	5.27	0.13
20.85	8.13	5.04	0.16	23.45	8.39	5.28	0.13
20.90	8.13	5.04	0.16	23.50	8.39	5.28	0.13
20.95	8.14	5.05	0.16	23.55	8.40	5.28	0.13
21.00	8.14	5.05	0.16	23.60	8.40	5.29	0.13
21.05	8.15	5.06	0.16	23.65	8.41	5.29	0.13
21.10	8.15	5.06	0.16	23.70	8.41	5.30	0.13
21.15	8.16	5.07	0.16	23.75	8.42	5.30	0.13
21.20	8.16	5.07	0.16	23.80	8.42	5.30	0.13
21.25	8.17	5.08	0.16	23.85	8.42	5.31	0.13
21.30	8.18	5.08	0.16	23.90	8.43	5.31	0.13
21.35	8.18	5.09	0.16	23.95	8.43	5.32	0.16
21.40	8.19	5.09	0.16	24.00	**8.44**	**5.32**	0.12
21.45	8.19	5.10	0.16	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.16	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.15	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.15	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.15	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.15	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.15	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.15	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.15	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.15	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.15	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.15	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.15	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.15	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.15	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.15	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.15	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.15	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.15	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.15	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.14	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.14	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.14	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.14	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.14	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.14	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.14	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.14	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.14	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.14	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.14	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.14	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.14	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.14	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.14	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.14	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.13	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.13	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.13	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 9I: PDA-9 (impervious)

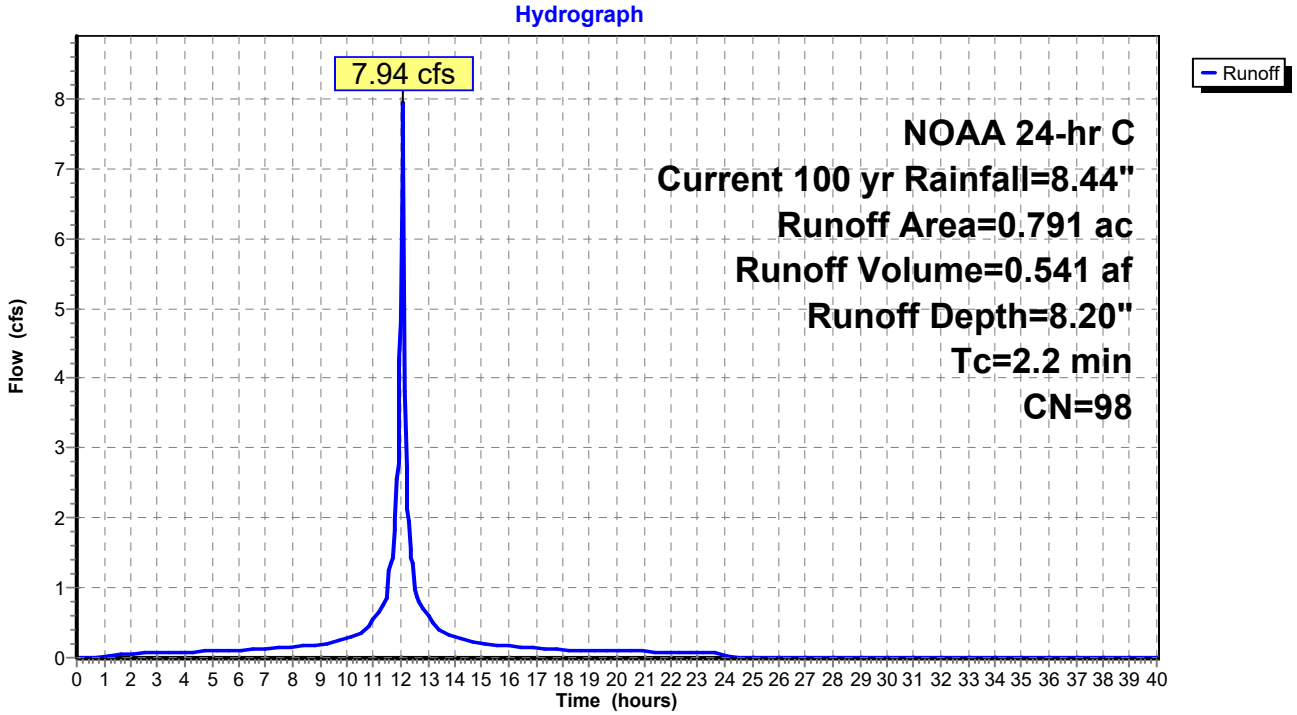
Runoff = 7.94 cfs @ 12.08 hrs, Volume= 0.541 af, Depth= 8.20"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9I: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.07
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.07
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.07
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.07
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.07
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.07
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.07
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.07
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.07
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.07
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.07
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.08
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.08
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.08
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.08
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.08
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.08
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.08
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.08
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.08
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.08
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.08
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.08
1.35	0.13	0.02	0.04	3.95	0.41	0.24	0.08
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.08
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.08
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.08
1.55	0.15	0.04	0.04	4.15	0.43	0.26	0.08
1.60	0.15	0.04	0.04	4.20	0.44	0.26	0.09
1.65	0.16	0.04	0.05	4.25	0.44	0.27	0.09
1.70	0.16	0.04	0.05	4.30	0.45	0.27	0.09
1.75	0.17	0.05	0.05	4.35	0.46	0.28	0.09
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.09
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.09
1.90	0.18	0.06	0.05	4.50	0.47	0.29	0.09
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.09
2.00	0.19	0.06	0.05	4.60	0.49	0.31	0.09
2.05	0.20	0.07	0.05	4.65	0.49	0.31	0.09
2.10	0.20	0.07	0.06	4.70	0.50	0.32	0.09
2.15	0.21	0.07	0.06	4.75	0.51	0.32	0.09
2.20	0.21	0.08	0.06	4.80	0.51	0.33	0.09
2.25	0.22	0.08	0.06	4.85	0.52	0.33	0.09
2.30	0.22	0.09	0.06	4.90	0.52	0.34	0.09
2.35	0.23	0.09	0.06	4.95	0.53	0.35	0.09
2.40	0.23	0.09	0.06	5.00	0.54	0.35	0.09
2.45	0.24	0.10	0.06	5.05	0.54	0.36	0.09
2.50	0.24	0.10	0.06	5.10	0.55	0.36	0.09
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.09

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.09	7.80	0.97	0.76	0.15
5.25	0.57	0.38	0.10	7.85	0.98	0.77	0.15
5.30	0.58	0.39	0.10	7.90	0.99	0.78	0.15
5.35	0.58	0.39	0.10	7.95	1.00	0.79	0.16
5.40	0.59	0.40	0.10	8.00	1.01	0.80	0.16
5.45	0.60	0.41	0.10	8.05	1.02	0.81	0.16
5.50	0.60	0.41	0.10	8.10	1.03	0.82	0.16
5.55	0.61	0.42	0.10	8.15	1.04	0.83	0.16
5.60	0.62	0.42	0.10	8.20	1.05	0.84	0.16
5.65	0.62	0.43	0.10	8.25	1.06	0.85	0.16
5.70	0.63	0.44	0.10	8.30	1.07	0.86	0.17
5.75	0.64	0.44	0.10	8.35	1.08	0.87	0.17
5.80	0.64	0.45	0.10	8.40	1.10	0.88	0.17
5.85	0.65	0.45	0.10	8.45	1.11	0.89	0.17
5.90	0.66	0.46	0.10	8.50	1.12	0.91	0.17
5.95	0.66	0.47	0.10	8.55	1.13	0.92	0.17
6.00	0.67	0.47	0.10	8.60	1.14	0.93	0.17
6.05	0.68	0.48	0.10	8.65	1.15	0.94	0.18
6.10	0.68	0.49	0.10	8.70	1.16	0.95	0.18
6.15	0.69	0.49	0.11	8.75	1.17	0.96	0.18
6.20	0.70	0.50	0.11	8.80	1.19	0.97	0.18
6.25	0.70	0.51	0.11	8.85	1.20	0.98	0.18
6.30	0.71	0.51	0.11	8.90	1.21	0.99	0.18
6.35	0.72	0.52	0.11	8.95	1.22	1.01	0.18
6.40	0.73	0.53	0.11	9.00	1.23	1.02	0.19
6.45	0.73	0.54	0.11	9.05	1.25	1.03	0.19
6.50	0.74	0.54	0.12	9.10	1.26	1.04	0.19
6.55	0.75	0.55	0.12	9.15	1.27	1.05	0.20
6.60	0.76	0.56	0.12	9.20	1.28	1.07	0.20
6.65	0.77	0.57	0.12	9.25	1.30	1.08	0.21
6.70	0.77	0.57	0.12	9.30	1.31	1.09	0.22
6.75	0.78	0.58	0.12	9.35	1.33	1.11	0.22
6.80	0.79	0.59	0.12	9.40	1.34	1.12	0.22
6.85	0.80	0.60	0.13	9.45	1.35	1.14	0.23
6.90	0.81	0.60	0.13	9.50	1.37	1.15	0.24
6.95	0.81	0.61	0.13	9.55	1.39	1.17	0.24
7.00	0.82	0.62	0.13	9.60	1.40	1.18	0.25
7.05	0.83	0.63	0.13	9.65	1.42	1.20	0.25
7.10	0.84	0.64	0.13	9.70	1.43	1.21	0.26
7.15	0.85	0.65	0.13	9.75	1.45	1.23	0.26
7.20	0.86	0.65	0.14	9.80	1.47	1.25	0.27
7.25	0.87	0.66	0.14	9.85	1.49	1.27	0.27
7.30	0.88	0.67	0.14	9.90	1.50	1.28	0.28
7.35	0.89	0.68	0.14	9.95	1.52	1.30	0.28
7.40	0.89	0.69	0.14	10.00	1.54	1.32	0.29
7.45	0.90	0.70	0.14	10.05	1.56	1.34	0.29
7.50	0.91	0.71	0.14	10.10	1.58	1.36	0.30
7.55	0.92	0.72	0.14	10.15	1.60	1.37	0.30
7.60	0.93	0.73	0.15	10.20	1.62	1.39	0.31
7.65	0.94	0.73	0.15	10.25	1.64	1.41	0.31
7.70	0.95	0.74	0.15	10.30	1.66	1.43	0.32
7.75	0.96	0.75	0.15	10.35	1.68	1.45	0.32

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.33	13.00	6.41	6.18	0.60
10.45	1.72	1.50	0.33	13.05	6.45	6.21	0.55
10.50	1.74	1.52	0.34	13.10	6.48	6.24	0.53
10.55	1.76	1.54	0.37	13.15	6.51	6.27	0.50
10.60	1.79	1.56	0.38	13.20	6.54	6.30	0.49
10.65	1.81	1.59	0.40	13.25	6.57	6.33	0.46
10.70	1.84	1.62	0.41	13.30	6.60	6.36	0.45
10.75	1.87	1.64	0.44	13.35	6.63	6.39	0.43
10.80	1.90	1.67	0.45	13.40	6.65	6.41	0.42
10.85	1.93	1.70	0.48	13.45	6.68	6.44	0.39
10.90	1.96	1.73	0.49	13.50	6.70	6.46	0.38
10.95	1.99	1.77	0.52	13.55	6.72	6.48	0.35
11.00	2.03	1.80	0.53	13.60	6.74	6.50	0.34
11.05	2.06	1.84	0.59	13.65	6.76	6.53	0.33
11.10	2.10	1.87	0.60	13.70	6.78	6.55	0.33
11.15	2.14	1.92	0.66	13.75	6.80	6.57	0.32
11.20	2.19	1.96	0.68	13.80	6.82	6.59	0.32
11.25	2.23	2.01	0.73	13.85	6.84	6.61	0.31
11.30	2.28	2.05	0.75	13.90	6.86	6.62	0.31
11.35	2.33	2.10	0.80	13.95	6.88	6.64	0.30
11.40	2.38	2.16	0.82	14.00	6.90	6.66	0.30
11.45	2.44	2.21	0.86	14.05	6.92	6.68	0.29
11.50	2.49	2.26	0.89	14.10	6.94	6.70	0.29
11.55	2.58	2.35	1.25	14.15	6.95	6.72	0.28
11.60	2.66	2.43	1.35	14.20	6.97	6.73	0.28
11.65	2.75	2.52	1.41	14.25	6.99	6.75	0.27
11.70	2.84	2.61	1.45	14.30	7.01	6.77	0.27
11.75	2.97	2.74	1.84	14.35	7.02	6.78	0.26
11.80	3.09	2.86	1.98	14.40	7.04	6.80	0.26
11.85	3.26	3.03	2.55	14.45	7.05	6.82	0.25
11.90	3.43	3.20	2.79	14.50	7.07	6.83	0.25
11.95	3.73	3.49	4.27	14.55	7.09	6.85	0.24
12.00	4.02	3.79	4.81	14.60	7.10	6.86	0.24
12.05	4.52	4.28	7.16	14.65	7.11	6.88	0.23
12.10	5.01	4.77	**7.62**	14.70	7.13	6.89	0.23
12.15	5.18	4.94	3.82	14.75	7.14	6.90	0.22
12.20	5.35	5.11	2.72	14.80	7.16	6.92	0.22
12.25	5.47	5.24	2.13	14.85	7.17	6.93	0.21
12.30	5.60	5.36	1.95	14.90	7.18	6.94	0.21
12.35	5.69	5.45	1.54	14.95	7.19	6.96	0.20
12.40	5.78	5.54	1.43	15.00	7.21	6.97	0.20
12.45	5.86	5.62	1.37	15.05	7.22	6.98	0.19
12.50	5.95	5.71	1.34	15.10	7.23	6.99	0.19
12.55	6.00	5.76	0.98	15.15	7.24	7.00	0.19
12.60	6.06	5.82	0.88	15.20	7.25	7.02	0.19
12.65	6.11	5.87	0.83	15.25	7.27	7.03	0.18
12.70	6.16	5.92	0.82	15.30	7.28	7.04	0.18
12.75	6.21	5.97	0.77	15.35	7.29	7.05	0.18
12.80	6.25	6.02	0.75	15.40	7.30	7.06	0.18
12.85	6.30	6.06	0.69	15.45	7.31	7.07	0.18
12.90	6.34	6.10	0.68	15.50	7.32	7.08	0.18
12.95	6.38	6.14	0.62	15.55	7.33	7.09	0.18

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.18	18.20	7.80	7.56	0.11
15.65	7.36	7.12	0.17	18.25	7.80	7.57	0.11
15.70	7.37	7.13	0.17	18.30	7.81	7.57	0.11
15.75	7.38	7.14	0.17	18.35	7.82	7.58	0.11
15.80	7.39	7.15	0.17	18.40	7.82	7.59	0.11
15.85	7.40	7.16	0.17	18.45	7.83	7.59	0.11
15.90	7.41	7.17	0.17	18.50	7.84	7.60	0.11
15.95	7.42	7.18	0.16	18.55	7.84	7.61	0.11
16.00	7.43	7.19	0.16	18.60	7.85	7.61	0.10
16.05	7.44	7.20	0.16	18.65	7.86	7.62	0.10
16.10	7.45	7.21	0.16	18.70	7.86	7.62	0.10
16.15	7.46	7.22	0.16	18.75	7.87	7.63	0.10
16.20	7.47	7.23	0.16	18.80	7.88	7.64	0.10
16.25	7.48	7.24	0.16	18.85	7.88	7.64	0.10
16.30	7.49	7.25	0.16	18.90	7.89	7.65	0.10
16.35	7.50	7.26	0.15	18.95	7.90	7.66	0.10
16.40	7.51	7.27	0.15	19.00	7.90	7.66	0.10
16.45	7.52	7.28	0.15	19.05	7.91	7.67	0.10
16.50	7.53	7.29	0.15	19.10	7.92	7.68	0.10
16.55	7.54	7.30	0.15	19.15	7.92	7.68	0.10
16.60	7.55	7.31	0.15	19.20	7.93	7.69	0.10
16.65	7.55	7.32	0.15	19.25	7.93	7.70	0.10
16.70	7.56	7.32	0.15	19.30	7.94	7.70	0.10
16.75	7.57	7.33	0.14	19.35	7.95	7.71	0.10
16.80	7.58	7.34	0.14	19.40	7.95	7.71	0.10
16.85	7.59	7.35	0.14	19.45	7.96	7.72	0.10
16.90	7.60	7.36	0.14	19.50	7.97	7.73	0.10
16.95	7.61	7.37	0.14	19.55	7.97	7.73	0.10
17.00	7.62	7.38	0.14	19.60	7.98	7.74	0.10
17.05	7.63	7.39	0.14	19.65	7.98	7.74	0.10
17.10	7.63	7.39	0.14	19.70	7.99	7.75	0.10
17.15	7.64	7.40	0.13	19.75	8.00	7.76	0.10
17.20	7.65	7.41	0.13	19.80	8.00	7.76	0.10
17.25	7.66	7.42	0.13	19.85	8.01	7.77	0.10
17.30	7.67	7.43	0.13	19.90	8.01	7.78	0.10
17.35	7.67	7.43	0.13	19.95	8.02	7.78	0.10
17.40	7.68	7.44	0.13	20.00	8.03	7.79	0.10
17.45	7.69	7.45	0.13	20.05	8.03	7.79	0.10
17.50	7.70	7.46	0.12	20.10	8.04	7.80	0.09
17.55	7.71	7.47	0.12	20.15	8.04	7.80	0.09
17.60	7.71	7.47	0.12	20.20	8.05	7.81	0.09
17.65	7.72	7.48	0.12	20.25	8.06	7.82	0.09
17.70	7.73	7.49	0.12	20.30	8.06	7.82	0.09
17.75	7.74	7.50	0.12	20.35	8.07	7.83	0.09
17.80	7.74	7.50	0.12	20.40	8.07	7.83	0.09
17.85	7.75	7.51	0.11	20.45	8.08	7.84	0.09
17.90	7.76	7.52	0.11	20.50	8.09	7.85	0.09
17.95	7.76	7.52	0.11	20.55	8.09	7.85	0.09
18.00	7.77	7.53	0.11	20.60	8.10	7.86	0.09
18.05	7.78	7.54	0.11	20.65	8.10	7.86	0.09
18.10	7.78	7.55	0.11	20.70	8.11	7.87	0.09
18.15	7.79	7.55	0.11	20.75	8.11	7.87	0.09

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.09	23.40	8.38	8.14	0.07
20.85	8.13	7.89	0.09	23.45	8.39	8.15	0.07
20.90	8.13	7.89	0.09	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.09	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.09	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.09	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.09	23.75	8.42	8.18	0.07
21.20	8.16	7.92	0.09	23.80	8.42	8.18	0.07
21.25	8.17	7.93	0.09	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.09	23.90	8.43	8.19	0.07
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.08
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.08
21.45	8.19	7.95	0.09	24.05	8.44	8.20	0.02
21.50	8.20	7.96	0.09	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.08	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.08	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.08	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.08	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.08	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.08	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.08	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.08	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.08	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.08	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.08	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.08	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.08	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.08	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.08	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.08	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.08	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.08	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.08	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.07	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.07	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.07	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.07	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

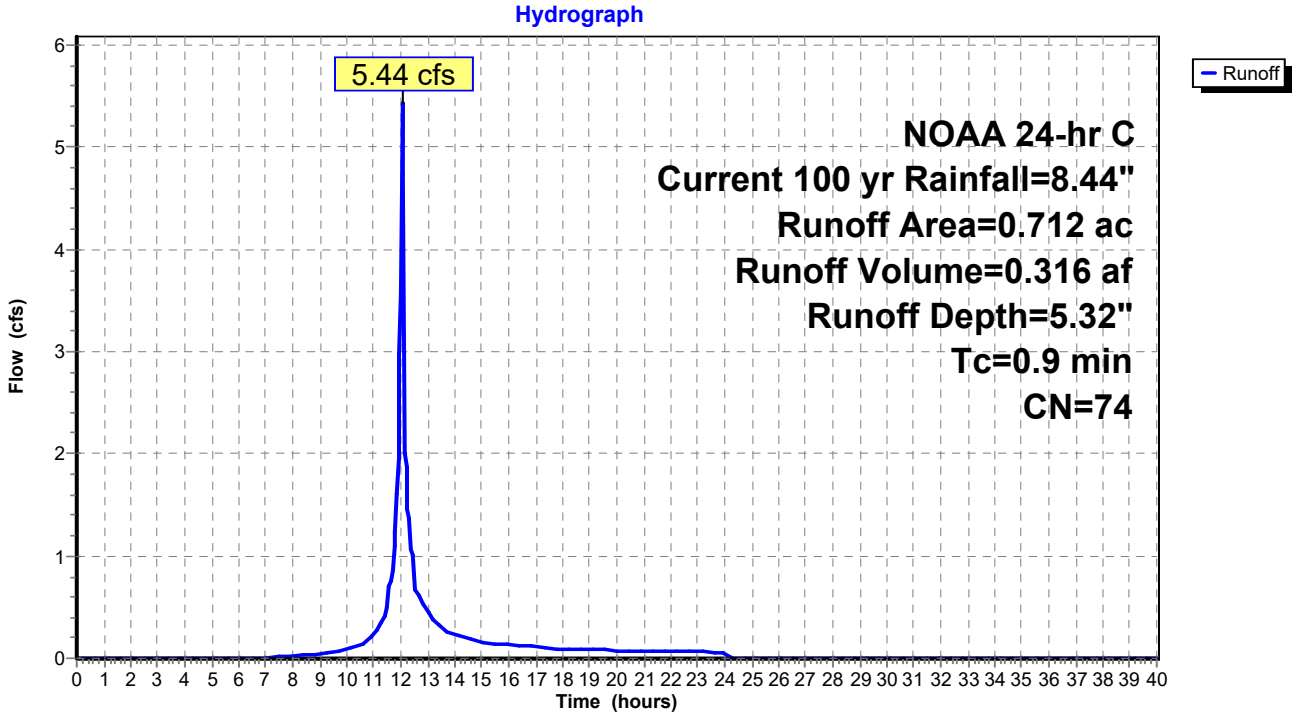
Runoff = 5.44 cfs @ 12.06 hrs, Volume= 0.316 af, Depth= 5.32"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.04
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.04
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.05
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.05
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.05
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.06
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.06
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.06
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.06
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.07
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.07
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.07
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.07
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.08
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.08
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.08
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.09
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.09
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.09
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.09
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.10
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.10
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.10
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.11
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.11
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.11

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.12	13.00	6.41	3.54	0.45
10.45	1.72	0.23	0.12	13.05	6.45	3.57	0.41
10.50	1.74	0.24	0.13	13.10	6.48	3.59	0.40
10.55	1.76	0.25	0.14	13.15	6.51	3.62	0.38
10.60	1.79	0.26	0.14	13.20	6.54	3.65	0.38
10.65	1.81	0.27	0.16	13.25	6.57	3.67	0.35
10.70	1.84	0.28	0.16	13.30	6.60	3.70	0.35
10.75	1.87	0.29	0.18	13.35	6.63	3.72	0.32
10.80	1.90	0.30	0.18	13.40	6.65	3.74	0.32
10.85	1.93	0.32	0.20	13.45	6.68	3.76	0.29
10.90	1.96	0.33	0.21	13.50	6.70	3.78	0.29
10.95	1.99	0.35	0.22	13.55	6.72	3.80	0.27
11.00	2.03	0.36	0.23	13.60	6.74	3.82	0.26
11.05	2.06	0.38	0.26	13.65	6.76	3.84	0.26
11.10	2.10	0.40	0.27	13.70	6.78	3.85	0.26
11.15	2.14	0.42	0.30	13.75	6.80	3.87	0.25
11.20	2.19	0.44	0.31	13.80	6.82	3.89	0.25
11.25	2.23	0.46	0.35	13.85	6.84	3.91	0.24
11.30	2.28	0.49	0.36	13.90	6.86	3.92	0.24
11.35	2.33	0.52	0.39	13.95	6.88	3.94	0.23
11.40	2.38	0.54	0.41	14.00	6.90	3.96	0.23
11.45	2.44	0.57	0.43	14.05	6.92	3.97	0.23
11.50	2.49	0.60	0.50	14.10	6.94	3.99	0.22
11.55	2.58	0.65	0.70	14.15	6.95	4.00	0.22
11.60	2.66	0.70	0.73	14.20	6.97	4.02	0.22
11.65	2.75	0.76	0.77	14.25	6.99	4.03	0.21
11.70	2.84	0.81	0.86	14.30	7.01	4.05	0.21
11.75	2.97	0.89	1.10	14.35	7.02	4.06	0.20
11.80	3.09	0.97	1.24	14.40	7.04	4.08	0.20
11.85	3.26	1.08	1.62	14.45	7.05	4.09	0.20
11.90	3.43	1.19	1.95	14.50	7.07	4.10	0.19
11.95	3.73	1.40	2.97	14.55	7.09	4.12	0.19
12.00	4.02	1.61	3.57	14.60	7.10	4.13	0.19
12.05	4.52	1.98	**5.36**	14.65	7.11	4.14	0.18
12.10	5.01	2.37	4.74	14.70	7.13	4.15	0.18
12.15	5.18	2.51	2.00	14.75	7.14	4.17	0.17
12.20	5.35	2.65	1.87	14.80	7.16	4.18	0.17
12.25	5.47	2.75	1.45	14.85	7.17	4.19	0.16
12.30	5.60	2.85	1.37	14.90	7.18	4.20	0.16
12.35	5.69	2.92	1.07	14.95	7.19	4.21	0.16
12.40	5.78	3.00	1.06	15.00	7.21	4.22	0.16
12.45	5.86	3.07	1.02	15.05	7.22	4.23	0.15
12.50	5.95	3.14	0.94	15.10	7.23	4.24	0.15
12.55	6.00	3.19	0.67	15.15	7.24	4.25	0.15
12.60	6.06	3.23	0.66	15.20	7.25	4.26	0.15
12.65	6.11	3.28	0.63	15.25	7.27	4.27	0.14
12.70	6.16	3.32	0.61	15.30	7.28	4.28	0.14
12.75	6.21	3.36	0.57	15.35	7.29	4.29	0.14
12.80	6.25	3.40	0.56	15.40	7.30	4.30	0.14
12.85	6.30	3.44	0.52	15.45	7.31	4.31	0.14
12.90	6.34	3.47	0.51	15.50	7.32	4.32	0.14
12.95	6.38	3.50	0.47	15.55	7.33	4.33	0.14

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.14	18.20	7.80	4.75	0.09
15.65	7.36	4.35	0.14	18.25	7.80	4.75	0.09
15.70	7.37	4.36	0.14	18.30	7.81	4.76	0.09
15.75	7.38	4.37	0.13	18.35	7.82	4.76	0.09
15.80	7.39	4.38	0.13	18.40	7.82	4.77	0.09
15.85	7.40	4.39	0.13	18.45	7.83	4.78	0.08
15.90	7.41	4.40	0.13	18.50	7.84	4.78	0.08
15.95	7.42	4.41	0.13	18.55	7.84	4.79	0.08
16.00	7.43	4.42	0.13	18.60	7.85	4.79	0.08
16.05	7.44	4.43	0.13	18.65	7.86	4.80	0.08
16.10	7.45	4.44	0.13	18.70	7.86	4.80	0.08
16.15	7.46	4.44	0.13	18.75	7.87	4.81	0.08
16.20	7.47	4.45	0.13	18.80	7.88	4.82	0.08
16.25	7.48	4.46	0.12	18.85	7.88	4.82	0.08
16.30	7.49	4.47	0.12	18.90	7.89	4.83	0.08
16.35	7.50	4.48	0.12	18.95	7.90	4.83	0.08
16.40	7.51	4.49	0.12	19.00	7.90	4.84	0.08
16.45	7.52	4.50	0.12	19.05	7.91	4.84	0.08
16.50	7.53	4.50	0.12	19.10	7.92	4.85	0.08
16.55	7.54	4.51	0.12	19.15	7.92	4.86	0.08
16.60	7.55	4.52	0.12	19.20	7.93	4.86	0.08
16.65	7.55	4.53	0.12	19.25	7.93	4.87	0.08
16.70	7.56	4.54	0.12	19.30	7.94	4.87	0.08
16.75	7.57	4.55	0.11	19.35	7.95	4.88	0.08
16.80	7.58	4.55	0.11	19.40	7.95	4.88	0.08
16.85	7.59	4.56	0.11	19.45	7.96	4.89	0.08
16.90	7.60	4.57	0.11	19.50	7.97	4.90	0.08
16.95	7.61	4.58	0.11	19.55	7.97	4.90	0.08
17.00	7.62	4.58	0.11	19.60	7.98	4.91	0.08
17.05	7.63	4.59	0.11	19.65	7.98	4.91	0.08
17.10	7.63	4.60	0.11	19.70	7.99	4.92	0.08
17.15	7.64	4.61	0.11	19.75	8.00	4.92	0.08
17.20	7.65	4.61	0.11	19.80	8.00	4.93	0.08
17.25	7.66	4.62	0.10	19.85	8.01	4.93	0.08
17.30	7.67	4.63	0.10	19.90	8.01	4.94	0.08
17.35	7.67	4.64	0.10	19.95	8.02	4.94	0.08
17.40	7.68	4.64	0.10	20.00	8.03	4.95	0.08
17.45	7.69	4.65	0.10	20.05	8.03	4.96	0.08
17.50	7.70	4.66	0.10	20.10	8.04	4.96	0.08
17.55	7.71	4.66	0.10	20.15	8.04	4.97	0.08
17.60	7.71	4.67	0.10	20.20	8.05	4.97	0.08
17.65	7.72	4.68	0.10	20.25	8.06	4.98	0.08
17.70	7.73	4.68	0.09	20.30	8.06	4.98	0.08
17.75	7.74	4.69	0.09	20.35	8.07	4.99	0.07
17.80	7.74	4.70	0.09	20.40	8.07	4.99	0.07
17.85	7.75	4.70	0.09	20.45	8.08	5.00	0.07
17.90	7.76	4.71	0.09	20.50	8.09	5.00	0.07
17.95	7.76	4.72	0.09	20.55	8.09	5.01	0.07
18.00	7.77	4.72	0.09	20.60	8.10	5.01	0.07
18.05	7.78	4.73	0.09	20.65	8.10	5.02	0.07
18.10	7.78	4.73	0.09	20.70	8.11	5.02	0.07
18.15	7.79	4.74	0.09	20.75	8.11	5.03	0.07

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.07	23.40	8.38	5.27	0.06
20.85	8.13	5.04	0.07	23.45	8.39	5.28	0.06
20.90	8.13	5.04	0.07	23.50	8.39	5.28	0.06
20.95	8.14	5.05	0.07	23.55	8.40	5.28	0.06
21.00	8.14	5.05	0.07	23.60	8.40	5.29	0.06
21.05	8.15	5.06	0.07	23.65	8.41	5.29	0.06
21.10	8.15	5.06	0.07	23.70	8.41	5.30	0.06
21.15	8.16	5.07	0.07	23.75	8.42	5.30	0.06
21.20	8.16	5.07	0.07	23.80	8.42	5.30	0.06
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.06
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.06
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.07
21.40	8.19	5.09	0.07	24.00	**8.44**	**5.32**	0.05
21.45	8.19	5.10	0.07	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.07	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.07	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.07	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.07	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.07	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.07	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.07	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.07	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.07	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.07	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.07	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.07	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.07	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.07	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.07	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.06	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.06	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.06	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.06	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.06	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.06	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.06	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.06	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.06	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.06	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.06	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.06	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.06	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.06	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.06	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.06	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.06	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 10l: PDA-10 (impervious)

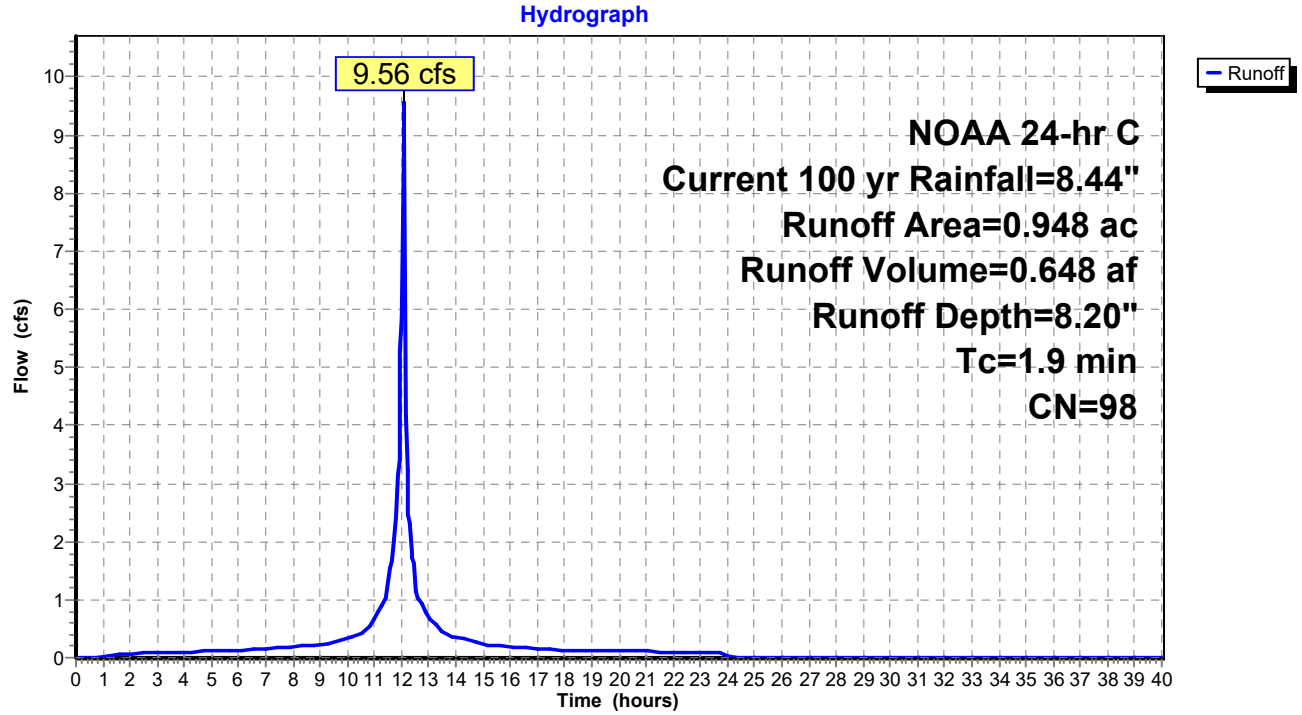
Runoff = 9.56 cfs @ 12.08 hrs, Volume= 0.648 af, Depth= 8.20"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**

Subcatchment 10l: PDA-10 (impervious)



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.08
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.08
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.08
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.08
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.08
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.08
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.08
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.08
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.09
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.09
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.09
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.09
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.09
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.09
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.09
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.09
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.09
0.90	0.08	0.01	0.03	3.50	0.35	0.19	0.09
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.09
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.09
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.09
1.10	0.10	0.01	0.04	3.70	0.38	0.21	0.10
1.15	0.11	0.02	0.04	3.75	0.38	0.21	0.10
1.20	0.11	0.02	0.04	3.80	0.39	0.22	0.10
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.10
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.10
1.35	0.13	0.02	0.05	3.95	0.41	0.24	0.10
1.40	0.13	0.03	0.05	4.00	0.41	0.24	0.10
1.45	0.14	0.03	0.05	4.05	0.42	0.25	0.10
1.50	0.14	0.03	0.05	4.10	0.43	0.25	0.10
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.10
1.60	0.15	0.04	0.05	4.20	0.44	0.26	0.10
1.65	0.16	0.04	0.06	4.25	0.44	0.27	0.10
1.70	0.16	0.04	0.06	4.30	0.45	0.27	0.10
1.75	0.17	0.05	0.06	4.35	0.46	0.28	0.10
1.80	0.17	0.05	0.06	4.40	0.46	0.28	0.10
1.85	0.18	0.05	0.06	4.45	0.47	0.29	0.11
1.90	0.18	0.06	0.06	4.50	0.47	0.29	0.11
1.95	0.19	0.06	0.06	4.55	0.48	0.30	0.11
2.00	0.19	0.06	0.06	4.60	0.49	0.31	0.11
2.05	0.20	0.07	0.07	4.65	0.49	0.31	0.11
2.10	0.20	0.07	0.07	4.70	0.50	0.32	0.11
2.15	0.21	0.07	0.07	4.75	0.51	0.32	0.11
2.20	0.21	0.08	0.07	4.80	0.51	0.33	0.11
2.25	0.22	0.08	0.07	4.85	0.52	0.33	0.11
2.30	0.22	0.09	0.07	4.90	0.52	0.34	0.11
2.35	0.23	0.09	0.07	4.95	0.53	0.35	0.11
2.40	0.23	0.09	0.07	5.00	0.54	0.35	0.11
2.45	0.24	0.10	0.07	5.05	0.54	0.36	0.11
2.50	0.24	0.10	0.08	5.10	0.55	0.36	0.11
2.55	0.25	0.10	0.08	5.15	0.56	0.37	0.11

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.11	7.80	0.97	0.76	0.18
5.25	0.57	0.38	0.11	7.85	0.98	0.77	0.18
5.30	0.58	0.39	0.11	7.90	0.99	0.78	0.19
5.35	0.58	0.39	0.12	7.95	1.00	0.79	0.19
5.40	0.59	0.40	0.12	8.00	1.01	0.80	0.19
5.45	0.60	0.41	0.12	8.05	1.02	0.81	0.19
5.50	0.60	0.41	0.12	8.10	1.03	0.82	0.19
5.55	0.61	0.42	0.12	8.15	1.04	0.83	0.19
5.60	0.62	0.42	0.12	8.20	1.05	0.84	0.20
5.65	0.62	0.43	0.12	8.25	1.06	0.85	0.20
5.70	0.63	0.44	0.12	8.30	1.07	0.86	0.20
5.75	0.64	0.44	0.12	8.35	1.08	0.87	0.20
5.80	0.64	0.45	0.12	8.40	1.10	0.88	0.20
5.85	0.65	0.45	0.12	8.45	1.11	0.89	0.20
5.90	0.66	0.46	0.12	8.50	1.12	0.91	0.21
5.95	0.66	0.47	0.12	8.55	1.13	0.92	0.21
6.00	0.67	0.47	0.12	8.60	1.14	0.93	0.21
6.05	0.68	0.48	0.12	8.65	1.15	0.94	0.21
6.10	0.68	0.49	0.13	8.70	1.16	0.95	0.21
6.15	0.69	0.49	0.13	8.75	1.17	0.96	0.21
6.20	0.70	0.50	0.13	8.80	1.19	0.97	0.21
6.25	0.70	0.51	0.13	8.85	1.20	0.98	0.22
6.30	0.71	0.51	0.13	8.90	1.21	0.99	0.22
6.35	0.72	0.52	0.13	8.95	1.22	1.01	0.22
6.40	0.73	0.53	0.14	9.00	1.23	1.02	0.22
6.45	0.73	0.54	0.14	9.05	1.25	1.03	0.23
6.50	0.74	0.54	0.14	9.10	1.26	1.04	0.23
6.55	0.75	0.55	0.14	9.15	1.27	1.05	0.24
6.60	0.76	0.56	0.14	9.20	1.28	1.07	0.25
6.65	0.77	0.57	0.14	9.25	1.30	1.08	0.26
6.70	0.77	0.57	0.15	9.30	1.31	1.09	0.26
6.75	0.78	0.58	0.15	9.35	1.33	1.11	0.27
6.80	0.79	0.59	0.15	9.40	1.34	1.12	0.27
6.85	0.80	0.60	0.15	9.45	1.35	1.14	0.28
6.90	0.81	0.60	0.15	9.50	1.37	1.15	0.28
6.95	0.81	0.61	0.15	9.55	1.39	1.17	0.29
7.00	0.82	0.62	0.16	9.60	1.40	1.18	0.29
7.05	0.83	0.63	0.16	9.65	1.42	1.20	0.30
7.10	0.84	0.64	0.16	9.70	1.43	1.21	0.31
7.15	0.85	0.65	0.16	9.75	1.45	1.23	0.32
7.20	0.86	0.65	0.16	9.80	1.47	1.25	0.32
7.25	0.87	0.66	0.16	9.85	1.49	1.27	0.33
7.30	0.88	0.67	0.16	9.90	1.50	1.28	0.33
7.35	0.89	0.68	0.17	9.95	1.52	1.30	0.34
7.40	0.89	0.69	0.17	10.00	1.54	1.32	0.34
7.45	0.90	0.70	0.17	10.05	1.56	1.34	0.35
7.50	0.91	0.71	0.17	10.10	1.58	1.36	0.35
7.55	0.92	0.72	0.17	10.15	1.60	1.37	0.36
7.60	0.93	0.73	0.17	10.20	1.62	1.39	0.37
7.65	0.94	0.73	0.18	10.25	1.64	1.41	0.38
7.70	0.95	0.74	0.18	10.30	1.66	1.43	0.38
7.75	0.96	0.75	0.18	10.35	1.68	1.45	0.39

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.39	13.00	6.41	6.18	0.72
10.45	1.72	1.50	0.40	13.05	6.45	6.21	0.65
10.50	1.74	1.52	0.41	13.10	6.48	6.24	0.64
10.55	1.76	1.54	0.44	13.15	6.51	6.27	0.60
10.60	1.79	1.56	0.45	13.20	6.54	6.30	0.59
10.65	1.81	1.59	0.49	13.25	6.57	6.33	0.55
10.70	1.84	1.62	0.50	13.30	6.60	6.36	0.54
10.75	1.87	1.64	0.53	13.35	6.63	6.39	0.51
10.80	1.90	1.67	0.54	13.40	6.65	6.41	0.50
10.85	1.93	1.70	0.58	13.45	6.68	6.44	0.46
10.90	1.96	1.73	0.59	13.50	6.70	6.46	0.45
10.95	1.99	1.77	0.63	13.55	6.72	6.48	0.41
11.00	2.03	1.80	0.64	13.60	6.74	6.50	0.41
11.05	2.06	1.84	0.71	13.65	6.76	6.53	0.40
11.10	2.10	1.87	0.73	13.70	6.78	6.55	0.39
11.15	2.14	1.92	0.79	13.75	6.80	6.57	0.38
11.20	2.19	1.96	0.81	13.80	6.82	6.59	0.38
11.25	2.23	2.01	0.88	13.85	6.84	6.61	0.37
11.30	2.28	2.05	0.90	13.90	6.86	6.62	0.37
11.35	2.33	2.10	0.97	13.95	6.88	6.64	0.36
11.40	2.38	2.16	0.98	14.00	6.90	6.66	0.36
11.45	2.44	2.21	1.04	14.05	6.92	6.68	0.35
11.50	2.49	2.26	1.08	14.10	6.94	6.70	0.35
11.55	2.58	2.35	1.54	14.15	6.95	6.72	0.34
11.60	2.66	2.43	1.63	14.20	6.97	6.73	0.33
11.65	2.75	2.52	1.70	14.25	6.99	6.75	0.32
11.70	2.84	2.61	1.75	14.30	7.01	6.77	0.32
11.75	2.97	2.74	2.25	14.35	7.02	6.78	0.31
11.80	3.09	2.86	2.40	14.40	7.04	6.80	0.31
11.85	3.26	3.03	3.12	14.45	7.05	6.82	0.30
11.90	3.43	3.20	3.40	14.50	7.07	6.83	0.30
11.95	3.73	3.49	5.28	14.55	7.09	6.85	0.29
12.00	4.02	3.79	5.85	14.60	7.10	6.86	0.29
12.05	4.52	4.28	8.84	14.65	7.11	6.88	0.28
12.10	5.01	4.77	**9.01**	14.70	7.13	6.89	0.27
12.15	5.18	4.94	4.16	14.75	7.14	6.90	0.26
12.20	5.35	5.11	3.22	14.80	7.16	6.92	0.26
12.25	5.47	5.24	2.49	14.85	7.17	6.93	0.25
12.30	5.60	5.36	2.31	14.90	7.18	6.94	0.25
12.35	5.69	5.45	1.81	14.95	7.19	6.96	0.24
12.40	5.78	5.54	1.71	15.00	7.21	6.97	0.24
12.45	5.86	5.62	1.64	15.05	7.22	6.98	0.23
12.50	5.95	5.71	1.59	15.10	7.23	6.99	0.23
12.55	6.00	5.76	1.14	15.15	7.24	7.00	0.22
12.60	6.06	5.82	1.05	15.20	7.25	7.02	0.22
12.65	6.11	5.87	1.00	15.25	7.27	7.03	0.22
12.70	6.16	5.92	0.98	15.30	7.28	7.04	0.22
12.75	6.21	5.97	0.91	15.35	7.29	7.05	0.22
12.80	6.25	6.02	0.89	15.40	7.30	7.06	0.22
12.85	6.30	6.06	0.83	15.45	7.31	7.07	0.21
12.90	6.34	6.10	0.81	15.50	7.32	7.08	0.21
12.95	6.38	6.14	0.74	15.55	7.33	7.09	0.21

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.21	18.20	7.80	7.56	0.13
15.65	7.36	7.12	0.21	18.25	7.80	7.57	0.13
15.70	7.37	7.13	0.21	18.30	7.81	7.57	0.13
15.75	7.38	7.14	0.20	18.35	7.82	7.58	0.13
15.80	7.39	7.15	0.20	18.40	7.82	7.59	0.13
15.85	7.40	7.16	0.20	18.45	7.83	7.59	0.13
15.90	7.41	7.17	0.20	18.50	7.84	7.60	0.13
15.95	7.42	7.18	0.20	18.55	7.84	7.61	0.13
16.00	7.43	7.19	0.20	18.60	7.85	7.61	0.13
16.05	7.44	7.20	0.19	18.65	7.86	7.62	0.13
16.10	7.45	7.21	0.19	18.70	7.86	7.62	0.12
16.15	7.46	7.22	0.19	18.75	7.87	7.63	0.12
16.20	7.47	7.23	0.19	18.80	7.88	7.64	0.12
16.25	7.48	7.24	0.19	18.85	7.88	7.64	0.12
16.30	7.49	7.25	0.19	18.90	7.89	7.65	0.12
16.35	7.50	7.26	0.18	18.95	7.90	7.66	0.12
16.40	7.51	7.27	0.18	19.00	7.90	7.66	0.12
16.45	7.52	7.28	0.18	19.05	7.91	7.67	0.12
16.50	7.53	7.29	0.18	19.10	7.92	7.68	0.12
16.55	7.54	7.30	0.18	19.15	7.92	7.68	0.12
16.60	7.55	7.31	0.18	19.20	7.93	7.69	0.12
16.65	7.55	7.32	0.18	19.25	7.93	7.70	0.12
16.70	7.56	7.32	0.17	19.30	7.94	7.70	0.12
16.75	7.57	7.33	0.17	19.35	7.95	7.71	0.12
16.80	7.58	7.34	0.17	19.40	7.95	7.71	0.12
16.85	7.59	7.35	0.17	19.45	7.96	7.72	0.12
16.90	7.60	7.36	0.17	19.50	7.97	7.73	0.12
16.95	7.61	7.37	0.17	19.55	7.97	7.73	0.12
17.00	7.62	7.38	0.17	19.60	7.98	7.74	0.12
17.05	7.63	7.39	0.16	19.65	7.98	7.74	0.12
17.10	7.63	7.39	0.16	19.70	7.99	7.75	0.12
17.15	7.64	7.40	0.16	19.75	8.00	7.76	0.12
17.20	7.65	7.41	0.16	19.80	8.00	7.76	0.12
17.25	7.66	7.42	0.16	19.85	8.01	7.77	0.12
17.30	7.67	7.43	0.15	19.90	8.01	7.78	0.12
17.35	7.67	7.43	0.15	19.95	8.02	7.78	0.11
17.40	7.68	7.44	0.15	20.00	8.03	7.79	0.11
17.45	7.69	7.45	0.15	20.05	8.03	7.79	0.11
17.50	7.70	7.46	0.15	20.10	8.04	7.80	0.11
17.55	7.71	7.47	0.15	20.15	8.04	7.80	0.11
17.60	7.71	7.47	0.15	20.20	8.05	7.81	0.11
17.65	7.72	7.48	0.14	20.25	8.06	7.82	0.11
17.70	7.73	7.49	0.14	20.30	8.06	7.82	0.11
17.75	7.74	7.50	0.14	20.35	8.07	7.83	0.11
17.80	7.74	7.50	0.14	20.40	8.07	7.83	0.11
17.85	7.75	7.51	0.14	20.45	8.08	7.84	0.11
17.90	7.76	7.52	0.14	20.50	8.09	7.85	0.11
17.95	7.76	7.52	0.13	20.55	8.09	7.85	0.11
18.00	7.77	7.53	0.13	20.60	8.10	7.86	0.11
18.05	7.78	7.54	0.13	20.65	8.10	7.86	0.11
18.10	7.78	7.55	0.13	20.70	8.11	7.87	0.11
18.15	7.79	7.55	0.13	20.75	8.11	7.87	0.11

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.11	23.40	8.38	8.14	0.09
20.85	8.13	7.89	0.11	23.45	8.39	8.15	0.09
20.90	8.13	7.89	0.11	23.50	8.39	8.15	0.09
20.95	8.14	7.90	0.11	23.55	8.40	8.16	0.09
21.00	8.14	7.90	0.11	23.60	8.40	8.16	0.09
21.05	8.15	7.91	0.11	23.65	8.41	8.17	0.09
21.10	8.15	7.91	0.11	23.70	8.41	8.17	0.09
21.15	8.16	7.92	0.10	23.75	8.42	8.18	0.08
21.20	8.16	7.92	0.10	23.80	8.42	8.18	0.08
21.25	8.17	7.93	0.10	23.85	8.42	8.18	0.08
21.30	8.18	7.94	0.10	23.90	8.43	8.19	0.08
21.35	8.18	7.94	0.10	23.95	8.43	8.19	0.10
21.40	8.19	7.95	0.10	24.00	**8.44**	**8.20**	0.10
21.45	8.19	7.95	0.10	24.05	8.44	8.20	0.02
21.50	8.20	7.96	0.10	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.10	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.10	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.10	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.10	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.10	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.10	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.10	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.10	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.10	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.10	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.10	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.10	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.10	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.10	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.10	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.10	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.10	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.10	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.09	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.09	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.09	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.09	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.09	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.09	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.09	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.09	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.09	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.09	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.09	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.09	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.09	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.09	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.09	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.09	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.09	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.09	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.09	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

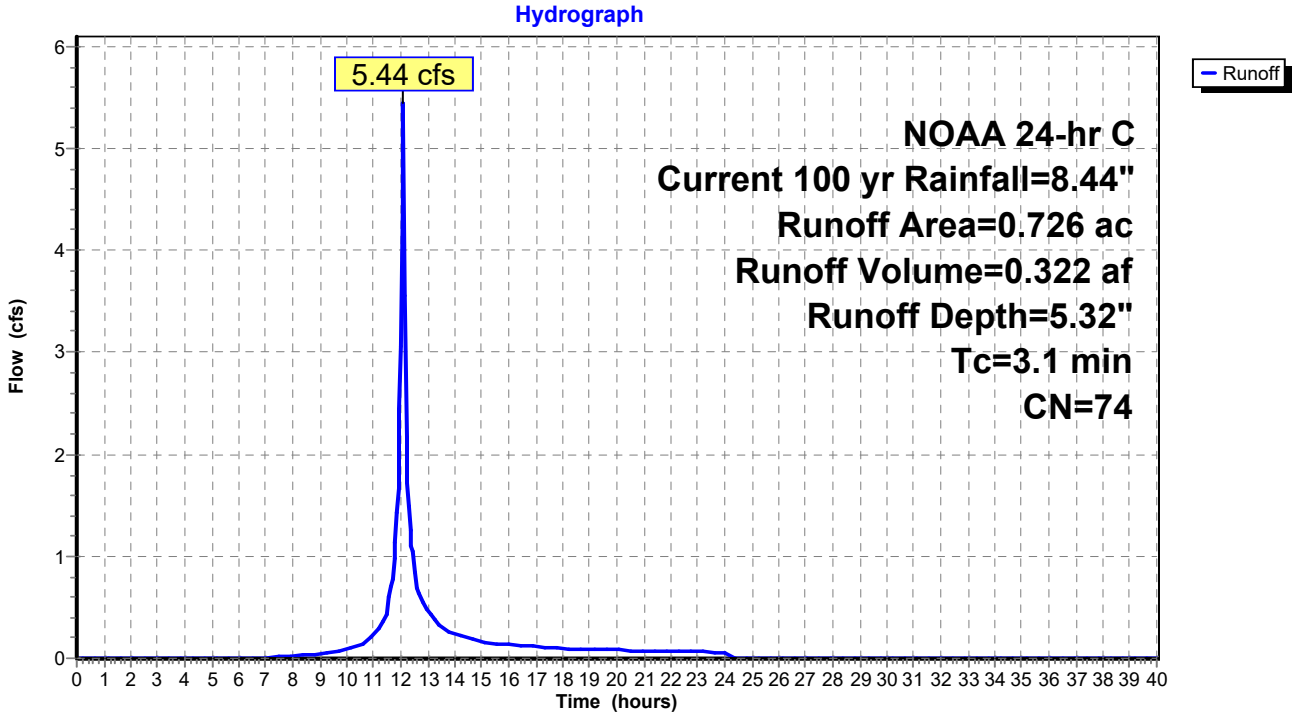
Runoff = 5.44 cfs @ 12.09 hrs, Volume= 0.322 af, Depth= 5.32"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.04
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.04
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.05
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.05
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.05
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.06
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.06
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.06
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.06
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.07
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.07
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.07
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.07
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.08
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.08
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.08
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.09
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.09
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.09
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.09
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.10
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.10
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.10
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.11
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.11
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.11

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.12	13.00	6.41	3.54	0.48
10.45	1.72	0.23	0.12	13.05	6.45	3.57	0.44
10.50	1.74	0.24	0.12	13.10	6.48	3.59	0.42
10.55	1.76	0.25	0.13	13.15	6.51	3.62	0.40
10.60	1.79	0.26	0.14	13.20	6.54	3.65	0.39
10.65	1.81	0.27	0.15	13.25	6.57	3.67	0.37
10.70	1.84	0.28	0.16	13.30	6.60	3.70	0.36
10.75	1.87	0.29	0.17	13.35	6.63	3.72	0.34
10.80	1.90	0.30	0.18	13.40	6.65	3.74	0.33
10.85	1.93	0.32	0.19	13.45	6.68	3.76	0.31
10.90	1.96	0.33	0.20	13.50	6.70	3.78	0.30
10.95	1.99	0.35	0.22	13.55	6.72	3.80	0.28
11.00	2.03	0.36	0.23	13.60	6.74	3.82	0.27
11.05	2.06	0.38	0.25	13.65	6.76	3.84	0.27
11.10	2.10	0.40	0.27	13.70	6.78	3.85	0.26
11.15	2.14	0.42	0.29	13.75	6.80	3.87	0.26
11.20	2.19	0.44	0.31	13.80	6.82	3.89	0.25
11.25	2.23	0.46	0.33	13.85	6.84	3.91	0.25
11.30	2.28	0.49	0.35	13.90	6.86	3.92	0.25
11.35	2.33	0.52	0.38	13.95	6.88	3.94	0.24
11.40	2.38	0.54	0.40	14.00	6.90	3.96	0.24
11.45	2.44	0.57	0.43	14.05	6.92	3.97	0.23
11.50	2.49	0.60	0.45	14.10	6.94	3.99	0.23
11.55	2.58	0.65	0.60	14.15	6.95	4.00	0.23
11.60	2.66	0.70	0.71	14.20	6.97	4.02	0.22
11.65	2.75	0.76	0.76	14.25	6.99	4.03	0.22
11.70	2.84	0.81	0.79	14.30	7.01	4.05	0.22
11.75	2.97	0.89	0.98	14.35	7.02	4.06	0.21
11.80	3.09	0.97	1.13	14.40	7.04	4.08	0.21
11.85	3.26	1.08	1.43	14.45	7.05	4.09	0.20
11.90	3.43	1.19	1.67	14.50	7.07	4.10	0.20
11.95	3.73	1.40	2.44	14.55	7.09	4.12	0.20
12.00	4.02	1.61	3.05	14.60	7.10	4.13	0.19
12.05	4.52	1.98	4.43	14.65	7.11	4.14	0.19
12.10	5.01	2.37	**5.41**	14.70	7.13	4.15	0.18
12.15	5.18	2.51	3.56	14.75	7.14	4.17	0.18
12.20	5.35	2.65	2.17	14.80	7.16	4.18	0.18
12.25	5.47	2.75	1.72	14.85	7.17	4.19	0.17
12.30	5.60	2.85	1.50	14.90	7.18	4.20	0.17
12.35	5.69	2.92	1.26	14.95	7.19	4.21	0.16
12.40	5.78	3.00	1.11	15.00	7.21	4.22	0.16
12.45	5.86	3.07	1.06	15.05	7.22	4.23	0.16
12.50	5.95	3.14	1.04	15.10	7.23	4.24	0.15
12.55	6.00	3.19	0.84	15.15	7.24	4.25	0.15
12.60	6.06	3.23	0.69	15.20	7.25	4.26	0.15
12.65	6.11	3.28	0.66	15.25	7.27	4.27	0.15
12.70	6.16	3.32	0.64	15.30	7.28	4.28	0.15
12.75	6.21	3.36	0.61	15.35	7.29	4.29	0.15
12.80	6.25	3.40	0.59	15.40	7.30	4.30	0.15
12.85	6.30	3.44	0.55	15.45	7.31	4.31	0.14
12.90	6.34	3.47	0.53	15.50	7.32	4.32	0.14
12.95	6.38	3.50	0.50	15.55	7.33	4.33	0.14

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.14	18.20	7.80	4.75	0.09
15.65	7.36	4.35	0.14	18.25	7.80	4.75	0.09
15.70	7.37	4.36	0.14	18.30	7.81	4.76	0.09
15.75	7.38	4.37	0.14	18.35	7.82	4.76	0.09
15.80	7.39	4.38	0.14	18.40	7.82	4.77	0.09
15.85	7.40	4.39	0.14	18.45	7.83	4.78	0.09
15.90	7.41	4.40	0.14	18.50	7.84	4.78	0.09
15.95	7.42	4.41	0.13	18.55	7.84	4.79	0.09
16.00	7.43	4.42	0.13	18.60	7.85	4.79	0.09
16.05	7.44	4.43	0.13	18.65	7.86	4.80	0.09
16.10	7.45	4.44	0.13	18.70	7.86	4.80	0.09
16.15	7.46	4.44	0.13	18.75	7.87	4.81	0.09
16.20	7.47	4.45	0.13	18.80	7.88	4.82	0.08
16.25	7.48	4.46	0.13	18.85	7.88	4.82	0.08
16.30	7.49	4.47	0.13	18.90	7.89	4.83	0.08
16.35	7.50	4.48	0.13	18.95	7.90	4.83	0.08
16.40	7.51	4.49	0.13	19.00	7.90	4.84	0.08
16.45	7.52	4.50	0.12	19.05	7.91	4.84	0.08
16.50	7.53	4.50	0.12	19.10	7.92	4.85	0.08
16.55	7.54	4.51	0.12	19.15	7.92	4.86	0.08
16.60	7.55	4.52	0.12	19.20	7.93	4.86	0.08
16.65	7.55	4.53	0.12	19.25	7.93	4.87	0.08
16.70	7.56	4.54	0.12	19.30	7.94	4.87	0.08
16.75	7.57	4.55	0.12	19.35	7.95	4.88	0.08
16.80	7.58	4.55	0.12	19.40	7.95	4.88	0.08
16.85	7.59	4.56	0.12	19.45	7.96	4.89	0.08
16.90	7.60	4.57	0.11	19.50	7.97	4.90	0.08
16.95	7.61	4.58	0.11	19.55	7.97	4.90	0.08
17.00	7.62	4.58	0.11	19.60	7.98	4.91	0.08
17.05	7.63	4.59	0.11	19.65	7.98	4.91	0.08
17.10	7.63	4.60	0.11	19.70	7.99	4.92	0.08
17.15	7.64	4.61	0.11	19.75	8.00	4.92	0.08
17.20	7.65	4.61	0.11	19.80	8.00	4.93	0.08
17.25	7.66	4.62	0.11	19.85	8.01	4.93	0.08
17.30	7.67	4.63	0.11	19.90	8.01	4.94	0.08
17.35	7.67	4.64	0.10	19.95	8.02	4.94	0.08
17.40	7.68	4.64	0.10	20.00	8.03	4.95	0.08
17.45	7.69	4.65	0.10	20.05	8.03	4.96	0.08
17.50	7.70	4.66	0.10	20.10	8.04	4.96	0.08
17.55	7.71	4.66	0.10	20.15	8.04	4.97	0.08
17.60	7.71	4.67	0.10	20.20	8.05	4.97	0.08
17.65	7.72	4.68	0.10	20.25	8.06	4.98	0.08
17.70	7.73	4.68	0.10	20.30	8.06	4.98	0.08
17.75	7.74	4.69	0.10	20.35	8.07	4.99	0.08
17.80	7.74	4.70	0.10	20.40	8.07	4.99	0.08
17.85	7.75	4.70	0.09	20.45	8.08	5.00	0.08
17.90	7.76	4.71	0.09	20.50	8.09	5.00	0.08
17.95	7.76	4.72	0.09	20.55	8.09	5.01	0.08
18.00	7.77	4.72	0.09	20.60	8.10	5.01	0.08
18.05	7.78	4.73	0.09	20.65	8.10	5.02	0.08
18.10	7.78	4.73	0.09	20.70	8.11	5.02	0.07
18.15	7.79	4.74	0.09	20.75	8.11	5.03	0.07

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.07	23.40	8.38	5.27	0.06
20.85	8.13	5.04	0.07	23.45	8.39	5.28	0.06
20.90	8.13	5.04	0.07	23.50	8.39	5.28	0.06
20.95	8.14	5.05	0.07	23.55	8.40	5.28	0.06
21.00	8.14	5.05	0.07	23.60	8.40	5.29	0.06
21.05	8.15	5.06	0.07	23.65	8.41	5.29	0.06
21.10	8.15	5.06	0.07	23.70	8.41	5.30	0.06
21.15	8.16	5.07	0.07	23.75	8.42	5.30	0.06
21.20	8.16	5.07	0.07	23.80	8.42	5.30	0.06
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.06
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.06
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.07
21.40	8.19	5.09	0.07	24.00	**8.44**	**5.32**	0.07
21.45	8.19	5.10	0.07	24.05	8.44	5.32	0.03
21.50	8.20	5.10	0.07	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.07	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.07	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.07	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.07	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.07	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.07	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.07	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.07	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.07	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.07	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.07	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.07	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.07	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.07	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.07	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.07	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.07	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.07	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.07	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.07	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.07	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.07	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.06	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.06	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.06	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.06	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.06	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.06	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.06	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.06	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.06	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 11I: PDA-11 (impervious)

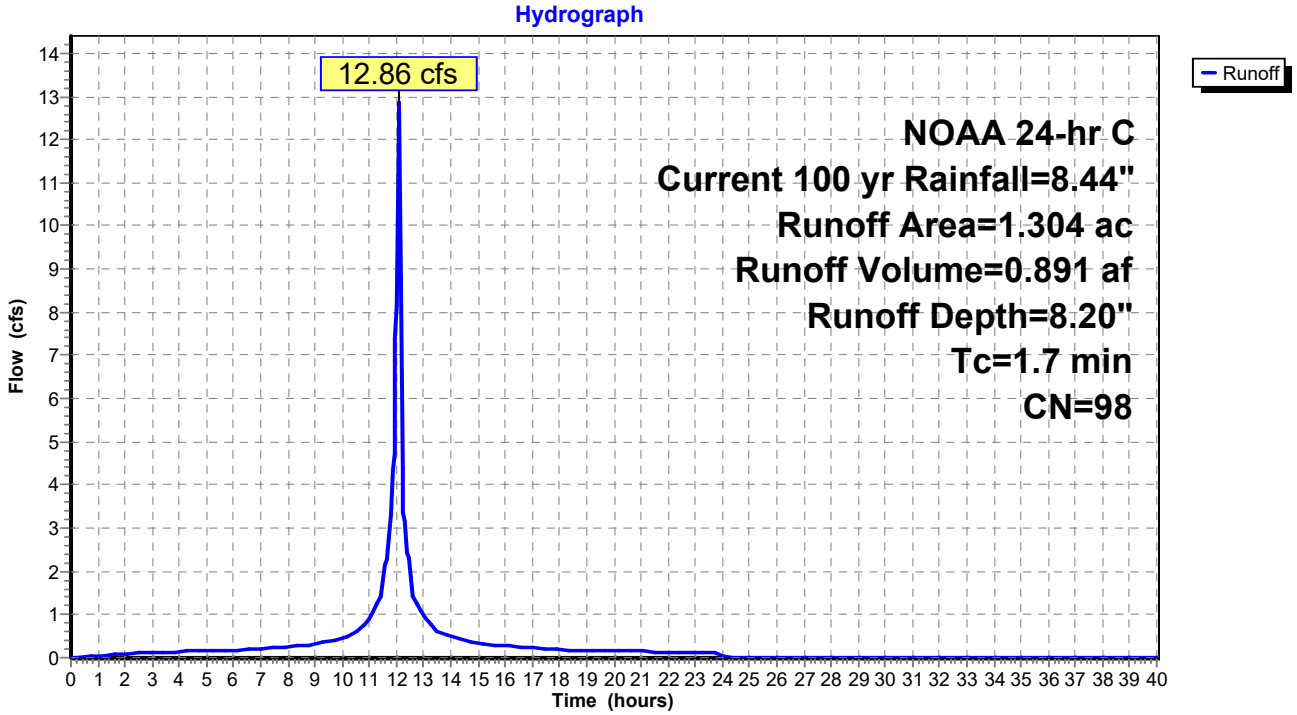
Runoff = 12.86 cfs @ 12.07 hrs, Volume= 0.891 af, Depth= 8.20"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**

Subcatchment 11I: PDA-11 (impervious)



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.11
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.11
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.11
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.11
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.11
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.11
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.11
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.12
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.12
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.12
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.12
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.12
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.12
0.65	0.06	0.00	0.02	3.25	0.33	0.17	0.12
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.12
0.75	0.07	0.00	0.03	3.35	0.34	0.18	0.12
0.80	0.07	0.00	0.03	3.40	0.34	0.18	0.13
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.13
0.90	0.08	0.01	0.04	3.50	0.35	0.19	0.13
0.95	0.09	0.01	0.04	3.55	0.36	0.19	0.13
1.00	0.09	0.01	0.04	3.60	0.37	0.20	0.13
1.05	0.10	0.01	0.05	3.65	0.37	0.20	0.13
1.10	0.10	0.01	0.05	3.70	0.38	0.21	0.13
1.15	0.11	0.02	0.05	3.75	0.38	0.21	0.13
1.20	0.11	0.02	0.05	3.80	0.39	0.22	0.13
1.25	0.12	0.02	0.06	3.85	0.40	0.22	0.13
1.30	0.12	0.02	0.06	3.90	0.40	0.23	0.13
1.35	0.13	0.02	0.06	3.95	0.41	0.24	0.14
1.40	0.13	0.03	0.07	4.00	0.41	0.24	0.14
1.45	0.14	0.03	0.07	4.05	0.42	0.25	0.14
1.50	0.14	0.03	0.07	4.10	0.43	0.25	0.14
1.55	0.15	0.04	0.07	4.15	0.43	0.26	0.14
1.60	0.15	0.04	0.07	4.20	0.44	0.26	0.14
1.65	0.16	0.04	0.08	4.25	0.44	0.27	0.14
1.70	0.16	0.04	0.08	4.30	0.45	0.27	0.14
1.75	0.17	0.05	0.08	4.35	0.46	0.28	0.14
1.80	0.17	0.05	0.08	4.40	0.46	0.28	0.14
1.85	0.18	0.05	0.08	4.45	0.47	0.29	0.14
1.90	0.18	0.06	0.09	4.50	0.47	0.29	0.15
1.95	0.19	0.06	0.09	4.55	0.48	0.30	0.15
2.00	0.19	0.06	0.09	4.60	0.49	0.31	0.15
2.05	0.20	0.07	0.09	4.65	0.49	0.31	0.15
2.10	0.20	0.07	0.09	4.70	0.50	0.32	0.15
2.15	0.21	0.07	0.09	4.75	0.51	0.32	0.15
2.20	0.21	0.08	0.10	4.80	0.51	0.33	0.15
2.25	0.22	0.08	0.10	4.85	0.52	0.33	0.15
2.30	0.22	0.09	0.10	4.90	0.52	0.34	0.15
2.35	0.23	0.09	0.10	4.95	0.53	0.35	0.15
2.40	0.23	0.09	0.10	5.00	0.54	0.35	0.15
2.45	0.24	0.10	0.10	5.05	0.54	0.36	0.15
2.50	0.24	0.10	0.10	5.10	0.55	0.36	0.15
2.55	0.25	0.10	0.11	5.15	0.56	0.37	0.16

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.16	7.80	0.97	0.76	0.25
5.25	0.57	0.38	0.16	7.85	0.98	0.77	0.25
5.30	0.58	0.39	0.16	7.90	0.99	0.78	0.26
5.35	0.58	0.39	0.16	7.95	1.00	0.79	0.26
5.40	0.59	0.40	0.16	8.00	1.01	0.80	0.26
5.45	0.60	0.41	0.16	8.05	1.02	0.81	0.26
5.50	0.60	0.41	0.16	8.10	1.03	0.82	0.26
5.55	0.61	0.42	0.16	8.15	1.04	0.83	0.27
5.60	0.62	0.42	0.16	8.20	1.05	0.84	0.27
5.65	0.62	0.43	0.16	8.25	1.06	0.85	0.27
5.70	0.63	0.44	0.16	8.30	1.07	0.86	0.27
5.75	0.64	0.44	0.16	8.35	1.08	0.87	0.28
5.80	0.64	0.45	0.17	8.40	1.10	0.88	0.28
5.85	0.65	0.45	0.17	8.45	1.11	0.89	0.28
5.90	0.66	0.46	0.17	8.50	1.12	0.91	0.28
5.95	0.66	0.47	0.17	8.55	1.13	0.92	0.29
6.00	0.67	0.47	0.17	8.60	1.14	0.93	0.29
6.05	0.68	0.48	0.17	8.65	1.15	0.94	0.29
6.10	0.68	0.49	0.17	8.70	1.16	0.95	0.29
6.15	0.69	0.49	0.18	8.75	1.17	0.96	0.29
6.20	0.70	0.50	0.18	8.80	1.19	0.97	0.30
6.25	0.70	0.51	0.18	8.85	1.20	0.98	0.30
6.30	0.71	0.51	0.18	8.90	1.21	0.99	0.30
6.35	0.72	0.52	0.19	8.95	1.22	1.01	0.30
6.40	0.73	0.53	0.19	9.00	1.23	1.02	0.31
6.45	0.73	0.54	0.19	9.05	1.25	1.03	0.32
6.50	0.74	0.54	0.19	9.10	1.26	1.04	0.32
6.55	0.75	0.55	0.19	9.15	1.27	1.05	0.34
6.60	0.76	0.56	0.20	9.20	1.28	1.07	0.34
6.65	0.77	0.57	0.20	9.25	1.30	1.08	0.35
6.70	0.77	0.57	0.20	9.30	1.31	1.09	0.36
6.75	0.78	0.58	0.20	9.35	1.33	1.11	0.37
6.80	0.79	0.59	0.20	9.40	1.34	1.12	0.37
6.85	0.80	0.60	0.21	9.45	1.35	1.14	0.39
6.90	0.81	0.60	0.21	9.50	1.37	1.15	0.39
6.95	0.81	0.61	0.21	9.55	1.39	1.17	0.40
7.00	0.82	0.62	0.21	9.60	1.40	1.18	0.41
7.05	0.83	0.63	0.22	9.65	1.42	1.20	0.42
7.10	0.84	0.64	0.22	9.70	1.43	1.21	0.42
7.15	0.85	0.65	0.22	9.75	1.45	1.23	0.43
7.20	0.86	0.65	0.22	9.80	1.47	1.25	0.44
7.25	0.87	0.66	0.23	9.85	1.49	1.27	0.45
7.30	0.88	0.67	0.23	9.90	1.50	1.28	0.46
7.35	0.89	0.68	0.23	9.95	1.52	1.30	0.47
7.40	0.89	0.69	0.23	10.00	1.54	1.32	0.47
7.45	0.90	0.70	0.24	10.05	1.56	1.34	0.49
7.50	0.91	0.71	0.24	10.10	1.58	1.36	0.49
7.55	0.92	0.72	0.24	10.15	1.60	1.37	0.50
7.60	0.93	0.73	0.24	10.20	1.62	1.39	0.51
7.65	0.94	0.73	0.24	10.25	1.64	1.41	0.52
7.70	0.95	0.74	0.25	10.30	1.66	1.43	0.52
7.75	0.96	0.75	0.25	10.35	1.68	1.45	0.54

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.54	13.00	6.41	6.18	0.99
10.45	1.72	1.50	0.55	13.05	6.45	6.21	0.89
10.50	1.74	1.52	0.56	13.10	6.48	6.24	0.87
10.55	1.76	1.54	0.61	13.15	6.51	6.27	0.82
10.60	1.79	1.56	0.62	13.20	6.54	6.30	0.81
10.65	1.81	1.59	0.67	13.25	6.57	6.33	0.76
10.70	1.84	1.62	0.69	13.30	6.60	6.36	0.75
10.75	1.87	1.64	0.74	13.35	6.63	6.39	0.69
10.80	1.90	1.67	0.75	13.40	6.65	6.41	0.68
10.85	1.93	1.70	0.80	13.45	6.68	6.44	0.63
10.90	1.96	1.73	0.81	13.50	6.70	6.46	0.62
10.95	1.99	1.77	0.87	13.55	6.72	6.48	0.57
11.00	2.03	1.80	0.88	13.60	6.74	6.50	0.56
11.05	2.06	1.84	0.98	13.65	6.76	6.53	0.55
11.10	2.10	1.87	1.00	13.70	6.78	6.55	0.54
11.15	2.14	1.92	1.10	13.75	6.80	6.57	0.53
11.20	2.19	1.96	1.12	13.80	6.82	6.59	0.53
11.25	2.23	2.01	1.22	13.85	6.84	6.61	0.51
11.30	2.28	2.05	1.24	13.90	6.86	6.62	0.51
11.35	2.33	2.10	1.34	13.95	6.88	6.64	0.50
11.40	2.38	2.16	1.36	14.00	6.90	6.66	0.49
11.45	2.44	2.21	1.43	14.05	6.92	6.68	0.48
11.50	2.49	2.26	1.50	14.10	6.94	6.70	0.48
11.55	2.58	2.35	2.15	14.15	6.95	6.72	0.46
11.60	2.66	2.43	2.24	14.20	6.97	6.73	0.46
11.65	2.75	2.52	2.34	14.25	6.99	6.75	0.45
11.70	2.84	2.61	2.42	14.30	7.01	6.77	0.44
11.75	2.97	2.74	3.13	14.35	7.02	6.78	0.43
11.80	3.09	2.86	3.33	14.40	7.04	6.80	0.43
11.85	3.26	3.03	4.35	14.45	7.05	6.82	0.41
11.90	3.43	3.20	4.74	14.50	7.07	6.83	0.41
11.95	3.73	3.49	7.39	14.55	7.09	6.85	0.40
12.00	4.02	3.79	8.16	14.60	7.10	6.86	0.39
12.05	4.52	4.28	**12.38**	14.65	7.11	6.88	0.38
12.10	5.01	4.77	12.25	14.70	7.13	6.89	0.38
12.15	5.18	4.94	5.37	14.75	7.14	6.90	0.36
12.20	5.35	5.11	4.39	14.80	7.16	6.92	0.36
12.25	5.47	5.24	3.37	14.85	7.17	6.93	0.35
12.30	5.60	5.36	3.16	14.90	7.18	6.94	0.34
12.35	5.69	5.45	2.45	14.95	7.19	6.96	0.33
12.40	5.78	5.54	2.35	15.00	7.21	6.97	0.33
12.45	5.86	5.62	2.25	15.05	7.22	6.98	0.31
12.50	5.95	5.71	2.18	15.10	7.23	6.99	0.31
12.55	6.00	5.76	1.53	15.15	7.24	7.00	0.31
12.60	6.06	5.82	1.44	15.20	7.25	7.02	0.31
12.65	6.11	5.87	1.37	15.25	7.27	7.03	0.30
12.70	6.16	5.92	1.35	15.30	7.28	7.04	0.30
12.75	6.21	5.97	1.25	15.35	7.29	7.05	0.30
12.80	6.25	6.02	1.23	15.40	7.30	7.06	0.30
12.85	6.30	6.06	1.13	15.45	7.31	7.07	0.29
12.90	6.34	6.10	1.11	15.50	7.32	7.08	0.29
12.95	6.38	6.14	1.01	15.55	7.33	7.09	0.29

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.29	18.20	7.80	7.56	0.18
15.65	7.36	7.12	0.28	18.25	7.80	7.57	0.18
15.70	7.37	7.13	0.28	18.30	7.81	7.57	0.18
15.75	7.38	7.14	0.28	18.35	7.82	7.58	0.18
15.80	7.39	7.15	0.28	18.40	7.82	7.59	0.18
15.85	7.40	7.16	0.28	18.45	7.83	7.59	0.17
15.90	7.41	7.17	0.28	18.50	7.84	7.60	0.17
15.95	7.42	7.18	0.27	18.55	7.84	7.61	0.17
16.00	7.43	7.19	0.27	18.60	7.85	7.61	0.17
16.05	7.44	7.20	0.27	18.65	7.86	7.62	0.17
16.10	7.45	7.21	0.27	18.70	7.86	7.62	0.17
16.15	7.46	7.22	0.26	18.75	7.87	7.63	0.17
16.20	7.47	7.23	0.26	18.80	7.88	7.64	0.17
16.25	7.48	7.24	0.26	18.85	7.88	7.64	0.17
16.30	7.49	7.25	0.26	18.90	7.89	7.65	0.17
16.35	7.50	7.26	0.25	18.95	7.90	7.66	0.17
16.40	7.51	7.27	0.25	19.00	7.90	7.66	0.17
16.45	7.52	7.28	0.25	19.05	7.91	7.67	0.17
16.50	7.53	7.29	0.25	19.10	7.92	7.68	0.17
16.55	7.54	7.30	0.25	19.15	7.92	7.68	0.17
16.60	7.55	7.31	0.24	19.20	7.93	7.69	0.17
16.65	7.55	7.32	0.24	19.25	7.93	7.70	0.17
16.70	7.56	7.32	0.24	19.30	7.94	7.70	0.17
16.75	7.57	7.33	0.24	19.35	7.95	7.71	0.16
16.80	7.58	7.34	0.23	19.40	7.95	7.71	0.16
16.85	7.59	7.35	0.23	19.45	7.96	7.72	0.16
16.90	7.60	7.36	0.23	19.50	7.97	7.73	0.16
16.95	7.61	7.37	0.23	19.55	7.97	7.73	0.16
17.00	7.62	7.38	0.23	19.60	7.98	7.74	0.16
17.05	7.63	7.39	0.22	19.65	7.98	7.74	0.16
17.10	7.63	7.39	0.22	19.70	7.99	7.75	0.16
17.15	7.64	7.40	0.22	19.75	8.00	7.76	0.16
17.20	7.65	7.41	0.22	19.80	8.00	7.76	0.16
17.25	7.66	7.42	0.21	19.85	8.01	7.77	0.16
17.30	7.67	7.43	0.21	19.90	8.01	7.78	0.16
17.35	7.67	7.43	0.21	19.95	8.02	7.78	0.16
17.40	7.68	7.44	0.21	20.00	8.03	7.79	0.16
17.45	7.69	7.45	0.21	20.05	8.03	7.79	0.16
17.50	7.70	7.46	0.20	20.10	8.04	7.80	0.16
17.55	7.71	7.47	0.20	20.15	8.04	7.80	0.16
17.60	7.71	7.47	0.20	20.20	8.05	7.81	0.16
17.65	7.72	7.48	0.20	20.25	8.06	7.82	0.15
17.70	7.73	7.49	0.20	20.30	8.06	7.82	0.15
17.75	7.74	7.50	0.19	20.35	8.07	7.83	0.15
17.80	7.74	7.50	0.19	20.40	8.07	7.83	0.15
17.85	7.75	7.51	0.19	20.45	8.08	7.84	0.15
17.90	7.76	7.52	0.19	20.50	8.09	7.85	0.15
17.95	7.76	7.52	0.18	20.55	8.09	7.85	0.15
18.00	7.77	7.53	0.18	20.60	8.10	7.86	0.15
18.05	7.78	7.54	0.18	20.65	8.10	7.86	0.15
18.10	7.78	7.55	0.18	20.70	8.11	7.87	0.15
18.15	7.79	7.55	0.18	20.75	8.11	7.87	0.15

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.15	23.40	8.38	8.14	0.12
20.85	8.13	7.89	0.15	23.45	8.39	8.15	0.12
20.90	8.13	7.89	0.15	23.50	8.39	8.15	0.12
20.95	8.14	7.90	0.15	23.55	8.40	8.16	0.12
21.00	8.14	7.90	0.15	23.60	8.40	8.16	0.12
21.05	8.15	7.91	0.15	23.65	8.41	8.17	0.12
21.10	8.15	7.91	0.15	23.70	8.41	8.17	0.12
21.15	8.16	7.92	0.14	23.75	8.42	8.18	0.12
21.20	8.16	7.92	0.14	23.80	8.42	8.18	0.12
21.25	8.17	7.93	0.14	23.85	8.42	8.18	0.11
21.30	8.18	7.94	0.14	23.90	8.43	8.19	0.12
21.35	8.18	7.94	0.14	23.95	8.43	8.19	0.14
21.40	8.19	7.95	0.14	24.00	**8.44**	**8.20**	0.13
21.45	8.19	7.95	0.14	24.05	8.44	8.20	0.01
21.50	8.20	7.96	0.14	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.14	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.14	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.14	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.14	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.14	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.14	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.14	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.14	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.14	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.14	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.13	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.13	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.13	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.13	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.13	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.13	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.13	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.13	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.13	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.13	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.13	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.13	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.13	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.13	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.13	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.13	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.13	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.13	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.13	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.13	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.12	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.12	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.12	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.12	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.12	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.12	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.12	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

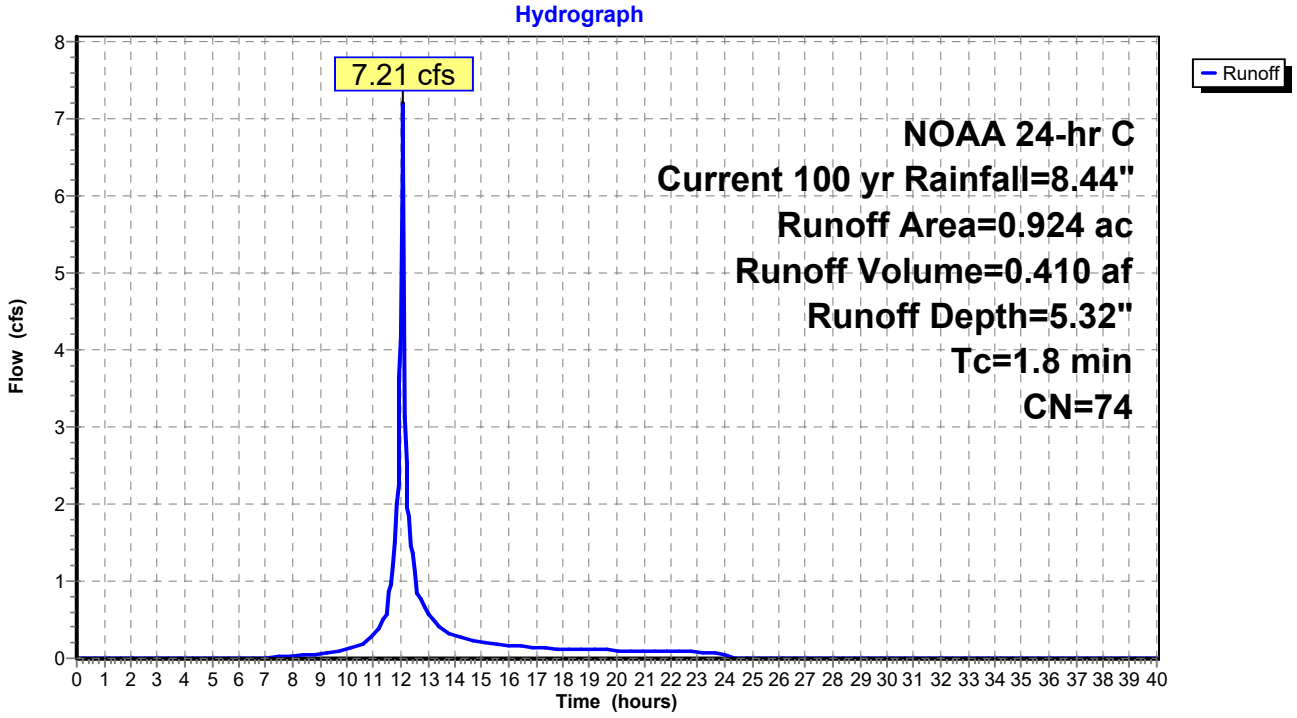
Runoff = 7.21 cfs @ 12.08 hrs, Volume= 0.410 af, Depth= 5.32"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.04
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.06
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.07
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.07
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.07
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.08
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.09
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.09
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.09
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.09
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.10
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.10
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.11
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.11
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.11
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.12
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.12
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.12
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.13
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.13
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.14
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.14
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.15

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.15	13.00	6.41	3.54	0.60
10.45	1.72	0.23	0.16	13.05	6.45	3.57	0.54
10.50	1.74	0.24	0.16	13.10	6.48	3.59	0.53
10.55	1.76	0.25	0.18	13.15	6.51	3.62	0.50
10.60	1.79	0.26	0.18	13.20	6.54	3.65	0.49
10.65	1.81	0.27	0.20	13.25	6.57	3.67	0.46
10.70	1.84	0.28	0.21	13.30	6.60	3.70	0.46
10.75	1.87	0.29	0.23	13.35	6.63	3.72	0.42
10.80	1.90	0.30	0.24	13.40	6.65	3.74	0.42
10.85	1.93	0.32	0.26	13.45	6.68	3.76	0.39
10.90	1.96	0.33	0.26	13.50	6.70	3.78	0.38
10.95	1.99	0.35	0.28	13.55	6.72	3.80	0.35
11.00	2.03	0.36	0.29	13.60	6.74	3.82	0.34
11.05	2.06	0.38	0.33	13.65	6.76	3.84	0.33
11.10	2.10	0.40	0.35	13.70	6.78	3.85	0.33
11.15	2.14	0.42	0.39	13.75	6.80	3.87	0.32
11.20	2.19	0.44	0.40	13.80	6.82	3.89	0.32
11.25	2.23	0.46	0.44	13.85	6.84	3.91	0.32
11.30	2.28	0.49	0.46	13.90	6.86	3.92	0.31
11.35	2.33	0.52	0.50	13.95	6.88	3.94	0.31
11.40	2.38	0.54	0.52	14.00	6.90	3.96	0.30
11.45	2.44	0.57	0.56	14.05	6.92	3.97	0.30
11.50	2.49	0.60	0.59	14.10	6.94	3.99	0.29
11.55	2.58	0.65	0.86	14.15	6.95	4.00	0.29
11.60	2.66	0.70	0.93	14.20	6.97	4.02	0.28
11.65	2.75	0.76	0.99	14.25	6.99	4.03	0.28
11.70	2.84	0.81	1.04	14.30	7.01	4.05	0.27
11.75	2.97	0.89	1.38	14.35	7.02	4.06	0.27
11.80	3.09	0.97	1.50	14.40	7.04	4.08	0.26
11.85	3.26	1.08	2.01	14.45	7.05	4.09	0.26
11.90	3.43	1.19	2.25	14.50	7.07	4.10	0.25
11.95	3.73	1.40	3.63	14.55	7.09	4.12	0.25
12.00	4.02	1.61	4.16	14.60	7.10	4.13	0.24
12.05	4.52	1.98	6.56	14.65	7.11	4.14	0.24
12.10	5.01	2.37	**6.85**	14.70	7.13	4.15	0.23
12.15	5.18	2.51	3.14	14.75	7.14	4.17	0.23
12.20	5.35	2.65	2.54	14.80	7.16	4.18	0.22
12.25	5.47	2.75	1.96	14.85	7.17	4.19	0.21
12.30	5.60	2.85	1.85	14.90	7.18	4.20	0.21
12.35	5.69	2.92	1.45	14.95	7.19	4.21	0.20
12.40	5.78	3.00	1.39	15.00	7.21	4.22	0.20
12.45	5.86	3.07	1.33	15.05	7.22	4.23	0.20
12.50	5.95	3.14	1.30	15.10	7.23	4.24	0.19
12.55	6.00	3.19	0.92	15.15	7.24	4.25	0.19
12.60	6.06	3.23	0.86	15.20	7.25	4.26	0.19
12.65	6.11	3.28	0.82	15.25	7.27	4.27	0.19
12.70	6.16	3.32	0.81	15.30	7.28	4.28	0.19
12.75	6.21	3.36	0.75	15.35	7.29	4.29	0.19
12.80	6.25	3.40	0.74	15.40	7.30	4.30	0.19
12.85	6.30	3.44	0.68	15.45	7.31	4.31	0.18
12.90	6.34	3.47	0.67	15.50	7.32	4.32	0.18
12.95	6.38	3.50	0.61	15.55	7.33	4.33	0.18

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.18	18.20	7.80	4.75	0.11
15.65	7.36	4.35	0.18	18.25	7.80	4.75	0.11
15.70	7.37	4.36	0.18	18.30	7.81	4.76	0.11
15.75	7.38	4.37	0.17	18.35	7.82	4.76	0.11
15.80	7.39	4.38	0.17	18.40	7.82	4.77	0.11
15.85	7.40	4.39	0.17	18.45	7.83	4.78	0.11
15.90	7.41	4.40	0.17	18.50	7.84	4.78	0.11
15.95	7.42	4.41	0.17	18.55	7.84	4.79	0.11
16.00	7.43	4.42	0.17	18.60	7.85	4.79	0.11
16.05	7.44	4.43	0.17	18.65	7.86	4.80	0.11
16.10	7.45	4.44	0.17	18.70	7.86	4.80	0.11
16.15	7.46	4.44	0.16	18.75	7.87	4.81	0.11
16.20	7.47	4.45	0.16	18.80	7.88	4.82	0.11
16.25	7.48	4.46	0.16	18.85	7.88	4.82	0.11
16.30	7.49	4.47	0.16	18.90	7.89	4.83	0.11
16.35	7.50	4.48	0.16	18.95	7.90	4.83	0.11
16.40	7.51	4.49	0.16	19.00	7.90	4.84	0.11
16.45	7.52	4.50	0.16	19.05	7.91	4.84	0.11
16.50	7.53	4.50	0.16	19.10	7.92	4.85	0.11
16.55	7.54	4.51	0.15	19.15	7.92	4.86	0.11
16.60	7.55	4.52	0.15	19.20	7.93	4.86	0.11
16.65	7.55	4.53	0.15	19.25	7.93	4.87	0.10
16.70	7.56	4.54	0.15	19.30	7.94	4.87	0.10
16.75	7.57	4.55	0.15	19.35	7.95	4.88	0.10
16.80	7.58	4.55	0.15	19.40	7.95	4.88	0.10
16.85	7.59	4.56	0.15	19.45	7.96	4.89	0.10
16.90	7.60	4.57	0.15	19.50	7.97	4.90	0.10
16.95	7.61	4.58	0.14	19.55	7.97	4.90	0.10
17.00	7.62	4.58	0.14	19.60	7.98	4.91	0.10
17.05	7.63	4.59	0.14	19.65	7.98	4.91	0.10
17.10	7.63	4.60	0.14	19.70	7.99	4.92	0.10
17.15	7.64	4.61	0.14	19.75	8.00	4.92	0.10
17.20	7.65	4.61	0.14	19.80	8.00	4.93	0.10
17.25	7.66	4.62	0.13	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.13	19.90	8.01	4.94	0.10
17.35	7.67	4.64	0.13	19.95	8.02	4.94	0.10
17.40	7.68	4.64	0.13	20.00	8.03	4.95	0.10
17.45	7.69	4.65	0.13	20.05	8.03	4.96	0.10
17.50	7.70	4.66	0.13	20.10	8.04	4.96	0.10
17.55	7.71	4.66	0.13	20.15	8.04	4.97	0.10
17.60	7.71	4.67	0.13	20.20	8.05	4.97	0.10
17.65	7.72	4.68	0.12	20.25	8.06	4.98	0.10
17.70	7.73	4.68	0.12	20.30	8.06	4.98	0.10
17.75	7.74	4.69	0.12	20.35	8.07	4.99	0.10
17.80	7.74	4.70	0.12	20.40	8.07	4.99	0.10
17.85	7.75	4.70	0.12	20.45	8.08	5.00	0.10
17.90	7.76	4.71	0.12	20.50	8.09	5.00	0.10
17.95	7.76	4.72	0.12	20.55	8.09	5.01	0.10
18.00	7.77	4.72	0.12	20.60	8.10	5.01	0.10
18.05	7.78	4.73	0.11	20.65	8.10	5.02	0.10
18.10	7.78	4.73	0.11	20.70	8.11	5.02	0.10
18.15	7.79	4.74	0.11	20.75	8.11	5.03	0.09

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.09	23.40	8.38	5.27	0.08
20.85	8.13	5.04	0.09	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.09	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.09	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.09	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.09	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.09	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.09	23.75	8.42	5.30	0.07
21.20	8.16	5.07	0.09	23.80	8.42	5.30	0.07
21.25	8.17	5.08	0.09	23.85	8.42	5.31	0.07
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.07
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.09
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.09	24.05	8.44	5.32	0.01
21.50	8.20	5.10	0.09	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.09	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.09	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.09	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.09	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.09	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.09	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.09	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.09	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.09	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.08	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.08	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.08	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.08	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.08	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.08	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.08	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.08	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.08	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.08	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.08	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.08	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

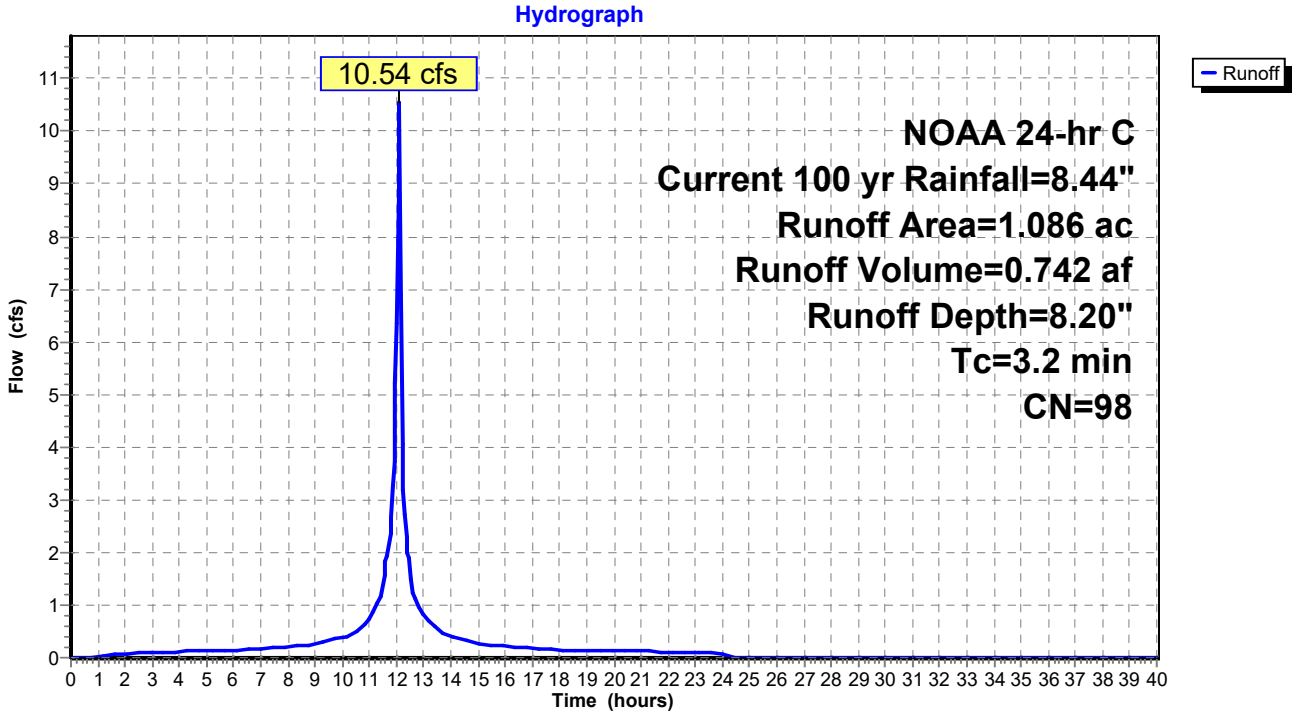
Runoff = 10.54 cfs @ 12.09 hrs, Volume= 0.742 af, Depth= 8.20"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.09
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.09
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.09
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.09
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.09
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.09
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.09
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.10
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.10
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.10
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.10
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.10
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.10
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.10
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.10
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.10
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.10
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.11
0.90	0.08	0.01	0.03	3.50	0.35	0.19	0.11
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.11
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.11
1.05	0.10	0.01	0.04	3.65	0.37	0.20	0.11
1.10	0.10	0.01	0.04	3.70	0.38	0.21	0.11
1.15	0.11	0.02	0.04	3.75	0.38	0.21	0.11
1.20	0.11	0.02	0.04	3.80	0.39	0.22	0.11
1.25	0.12	0.02	0.05	3.85	0.40	0.22	0.11
1.30	0.12	0.02	0.05	3.90	0.40	0.23	0.11
1.35	0.13	0.02	0.05	3.95	0.41	0.24	0.11
1.40	0.13	0.03	0.05	4.00	0.41	0.24	0.11
1.45	0.14	0.03	0.06	4.05	0.42	0.25	0.11
1.50	0.14	0.03	0.06	4.10	0.43	0.25	0.12
1.55	0.15	0.04	0.06	4.15	0.43	0.26	0.12
1.60	0.15	0.04	0.06	4.20	0.44	0.26	0.12
1.65	0.16	0.04	0.06	4.25	0.44	0.27	0.12
1.70	0.16	0.04	0.06	4.30	0.45	0.27	0.12
1.75	0.17	0.05	0.07	4.35	0.46	0.28	0.12
1.80	0.17	0.05	0.07	4.40	0.46	0.28	0.12
1.85	0.18	0.05	0.07	4.45	0.47	0.29	0.12
1.90	0.18	0.06	0.07	4.50	0.47	0.29	0.12
1.95	0.19	0.06	0.07	4.55	0.48	0.30	0.12
2.00	0.19	0.06	0.07	4.60	0.49	0.31	0.12
2.05	0.20	0.07	0.08	4.65	0.49	0.31	0.12
2.10	0.20	0.07	0.08	4.70	0.50	0.32	0.12
2.15	0.21	0.07	0.08	4.75	0.51	0.32	0.12
2.20	0.21	0.08	0.08	4.80	0.51	0.33	0.12
2.25	0.22	0.08	0.08	4.85	0.52	0.33	0.13
2.30	0.22	0.09	0.08	4.90	0.52	0.34	0.13
2.35	0.23	0.09	0.08	4.95	0.53	0.35	0.13
2.40	0.23	0.09	0.08	5.00	0.54	0.35	0.13
2.45	0.24	0.10	0.09	5.05	0.54	0.36	0.13
2.50	0.24	0.10	0.09	5.10	0.55	0.36	0.13
2.55	0.25	0.10	0.09	5.15	0.56	0.37	0.13

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.13	7.80	0.97	0.76	0.21
5.25	0.57	0.38	0.13	7.85	0.98	0.77	0.21
5.30	0.58	0.39	0.13	7.90	0.99	0.78	0.21
5.35	0.58	0.39	0.13	7.95	1.00	0.79	0.21
5.40	0.59	0.40	0.13	8.00	1.01	0.80	0.22
5.45	0.60	0.41	0.13	8.05	1.02	0.81	0.22
5.50	0.60	0.41	0.13	8.10	1.03	0.82	0.22
5.55	0.61	0.42	0.13	8.15	1.04	0.83	0.22
5.60	0.62	0.42	0.13	8.20	1.05	0.84	0.22
5.65	0.62	0.43	0.14	8.25	1.06	0.85	0.23
5.70	0.63	0.44	0.14	8.30	1.07	0.86	0.23
5.75	0.64	0.44	0.14	8.35	1.08	0.87	0.23
5.80	0.64	0.45	0.14	8.40	1.10	0.88	0.23
5.85	0.65	0.45	0.14	8.45	1.11	0.89	0.23
5.90	0.66	0.46	0.14	8.50	1.12	0.91	0.23
5.95	0.66	0.47	0.14	8.55	1.13	0.92	0.24
6.00	0.67	0.47	0.14	8.60	1.14	0.93	0.24
6.05	0.68	0.48	0.14	8.65	1.15	0.94	0.24
6.10	0.68	0.49	0.14	8.70	1.16	0.95	0.24
6.15	0.69	0.49	0.15	8.75	1.17	0.96	0.24
6.20	0.70	0.50	0.15	8.80	1.19	0.97	0.25
6.25	0.70	0.51	0.15	8.85	1.20	0.98	0.25
6.30	0.71	0.51	0.15	8.90	1.21	0.99	0.25
6.35	0.72	0.52	0.15	8.95	1.22	1.01	0.25
6.40	0.73	0.53	0.15	9.00	1.23	1.02	0.25
6.45	0.73	0.54	0.16	9.05	1.25	1.03	0.26
6.50	0.74	0.54	0.16	9.10	1.26	1.04	0.27
6.55	0.75	0.55	0.16	9.15	1.27	1.05	0.27
6.60	0.76	0.56	0.16	9.20	1.28	1.07	0.28
6.65	0.77	0.57	0.16	9.25	1.30	1.08	0.29
6.70	0.77	0.57	0.17	9.30	1.31	1.09	0.29
6.75	0.78	0.58	0.17	9.35	1.33	1.11	0.30
6.80	0.79	0.59	0.17	9.40	1.34	1.12	0.31
6.85	0.80	0.60	0.17	9.45	1.35	1.14	0.32
6.90	0.81	0.60	0.17	9.50	1.37	1.15	0.32
6.95	0.81	0.61	0.18	9.55	1.39	1.17	0.33
7.00	0.82	0.62	0.18	9.60	1.40	1.18	0.34
7.05	0.83	0.63	0.18	9.65	1.42	1.20	0.34
7.10	0.84	0.64	0.18	9.70	1.43	1.21	0.35
7.15	0.85	0.65	0.18	9.75	1.45	1.23	0.36
7.20	0.86	0.65	0.19	9.80	1.47	1.25	0.36
7.25	0.87	0.66	0.19	9.85	1.49	1.27	0.37
7.30	0.88	0.67	0.19	9.90	1.50	1.28	0.38
7.35	0.89	0.68	0.19	9.95	1.52	1.30	0.39
7.40	0.89	0.69	0.19	10.00	1.54	1.32	0.39
7.45	0.90	0.70	0.20	10.05	1.56	1.34	0.40
7.50	0.91	0.71	0.20	10.10	1.58	1.36	0.41
7.55	0.92	0.72	0.20	10.15	1.60	1.37	0.41
7.60	0.93	0.73	0.20	10.20	1.62	1.39	0.42
7.65	0.94	0.73	0.20	10.25	1.64	1.41	0.43
7.70	0.95	0.74	0.20	10.30	1.66	1.43	0.43
7.75	0.96	0.75	0.21	10.35	1.68	1.45	0.44

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.45	13.00	6.41	6.18	0.83
10.45	1.72	1.50	0.46	13.05	6.45	6.21	0.78
10.50	1.74	1.52	0.46	13.10	6.48	6.24	0.74
10.55	1.76	1.54	0.49	13.15	6.51	6.27	0.70
10.60	1.79	1.56	0.51	13.20	6.54	6.30	0.68
10.65	1.81	1.59	0.54	13.25	6.57	6.33	0.65
10.70	1.84	1.62	0.57	13.30	6.60	6.36	0.63
10.75	1.87	1.64	0.60	13.35	6.63	6.39	0.60
10.80	1.90	1.67	0.62	13.40	6.65	6.41	0.57
10.85	1.93	1.70	0.65	13.45	6.68	6.44	0.54
10.90	1.96	1.73	0.67	13.50	6.70	6.46	0.52
10.95	1.99	1.77	0.70	13.55	6.72	6.48	0.49
11.00	2.03	1.80	0.72	13.60	6.74	6.50	0.47
11.05	2.06	1.84	0.78	13.65	6.76	6.53	0.46
11.10	2.10	1.87	0.82	13.70	6.78	6.55	0.45
11.15	2.14	1.92	0.88	13.75	6.80	6.57	0.44
11.20	2.19	1.96	0.92	13.80	6.82	6.59	0.44
11.25	2.23	2.01	0.98	13.85	6.84	6.61	0.43
11.30	2.28	2.05	1.02	13.90	6.86	6.62	0.43
11.35	2.33	2.10	1.08	13.95	6.88	6.64	0.42
11.40	2.38	2.16	1.12	14.00	6.90	6.66	0.41
11.45	2.44	2.21	1.16	14.05	6.92	6.68	0.40
11.50	2.49	2.26	1.20	14.10	6.94	6.70	0.40
11.55	2.58	2.35	1.56	14.15	6.95	6.72	0.39
11.60	2.66	2.43	1.83	14.20	6.97	6.73	0.38
11.65	2.75	2.52	1.91	14.25	6.99	6.75	0.38
11.70	2.84	2.61	1.96	14.30	7.01	6.77	0.37
11.75	2.97	2.74	2.36	14.35	7.02	6.78	0.36
11.80	3.09	2.86	2.66	14.40	7.04	6.80	0.36
11.85	3.26	3.03	3.26	14.45	7.05	6.82	0.35
11.90	3.43	3.20	3.72	14.50	7.07	6.83	0.34
11.95	3.73	3.49	5.22	14.55	7.09	6.85	0.33
12.00	4.02	3.79	6.37	14.60	7.10	6.86	0.33
12.05	4.52	4.28	8.81	14.65	7.11	6.88	0.32
12.10	5.01	4.77	**10.45**	14.70	7.13	6.89	0.31
12.15	5.18	4.94	6.88	14.75	7.14	6.90	0.31
12.20	5.35	5.11	4.07	14.80	7.16	6.92	0.30
12.25	5.47	5.24	3.19	14.85	7.17	6.93	0.29
12.30	5.60	5.36	2.74	14.90	7.18	6.94	0.29
12.35	5.69	5.45	2.30	14.95	7.19	6.96	0.28
12.40	5.78	5.54	2.00	15.00	7.21	6.97	0.27
12.45	5.86	5.62	1.91	15.05	7.22	6.98	0.27
12.50	5.95	5.71	1.86	15.10	7.23	6.99	0.26
12.55	6.00	5.76	1.50	15.15	7.24	7.00	0.26
12.60	6.06	5.82	1.24	15.20	7.25	7.02	0.26
12.65	6.11	5.87	1.17	15.25	7.27	7.03	0.25
12.70	6.16	5.92	1.13	15.30	7.28	7.04	0.25
12.75	6.21	5.97	1.07	15.35	7.29	7.05	0.25
12.80	6.25	6.02	1.03	15.40	7.30	7.06	0.25
12.85	6.30	6.06	0.98	15.45	7.31	7.07	0.25
12.90	6.34	6.10	0.93	15.50	7.32	7.08	0.24
12.95	6.38	6.14	0.88	15.55	7.33	7.09	0.24

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.24	18.20	7.80	7.56	0.15
15.65	7.36	7.12	0.24	18.25	7.80	7.57	0.15
15.70	7.37	7.13	0.24	18.30	7.81	7.57	0.15
15.75	7.38	7.14	0.23	18.35	7.82	7.58	0.15
15.80	7.39	7.15	0.23	18.40	7.82	7.59	0.15
15.85	7.40	7.16	0.23	18.45	7.83	7.59	0.15
15.90	7.41	7.17	0.23	18.50	7.84	7.60	0.15
15.95	7.42	7.18	0.23	18.55	7.84	7.61	0.14
16.00	7.43	7.19	0.23	18.60	7.85	7.61	0.14
16.05	7.44	7.20	0.22	18.65	7.86	7.62	0.14
16.10	7.45	7.21	0.22	18.70	7.86	7.62	0.14
16.15	7.46	7.22	0.22	18.75	7.87	7.63	0.14
16.20	7.47	7.23	0.22	18.80	7.88	7.64	0.14
16.25	7.48	7.24	0.22	18.85	7.88	7.64	0.14
16.30	7.49	7.25	0.21	18.90	7.89	7.65	0.14
16.35	7.50	7.26	0.21	18.95	7.90	7.66	0.14
16.40	7.51	7.27	0.21	19.00	7.90	7.66	0.14
16.45	7.52	7.28	0.21	19.05	7.91	7.67	0.14
16.50	7.53	7.29	0.21	19.10	7.92	7.68	0.14
16.55	7.54	7.30	0.21	19.15	7.92	7.68	0.14
16.60	7.55	7.31	0.20	19.20	7.93	7.69	0.14
16.65	7.55	7.32	0.20	19.25	7.93	7.70	0.14
16.70	7.56	7.32	0.20	19.30	7.94	7.70	0.14
16.75	7.57	7.33	0.20	19.35	7.95	7.71	0.14
16.80	7.58	7.34	0.20	19.40	7.95	7.71	0.14
16.85	7.59	7.35	0.19	19.45	7.96	7.72	0.14
16.90	7.60	7.36	0.19	19.50	7.97	7.73	0.14
16.95	7.61	7.37	0.19	19.55	7.97	7.73	0.14
17.00	7.62	7.38	0.19	19.60	7.98	7.74	0.13
17.05	7.63	7.39	0.19	19.65	7.98	7.74	0.13
17.10	7.63	7.39	0.19	19.70	7.99	7.75	0.13
17.15	7.64	7.40	0.18	19.75	8.00	7.76	0.13
17.20	7.65	7.41	0.18	19.80	8.00	7.76	0.13
17.25	7.66	7.42	0.18	19.85	8.01	7.77	0.13
17.30	7.67	7.43	0.18	19.90	8.01	7.78	0.13
17.35	7.67	7.43	0.18	19.95	8.02	7.78	0.13
17.40	7.68	7.44	0.17	20.00	8.03	7.79	0.13
17.45	7.69	7.45	0.17	20.05	8.03	7.79	0.13
17.50	7.70	7.46	0.17	20.10	8.04	7.80	0.13
17.55	7.71	7.47	0.17	20.15	8.04	7.80	0.13
17.60	7.71	7.47	0.17	20.20	8.05	7.81	0.13
17.65	7.72	7.48	0.17	20.25	8.06	7.82	0.13
17.70	7.73	7.49	0.16	20.30	8.06	7.82	0.13
17.75	7.74	7.50	0.16	20.35	8.07	7.83	0.13
17.80	7.74	7.50	0.16	20.40	8.07	7.83	0.13
17.85	7.75	7.51	0.16	20.45	8.08	7.84	0.13
17.90	7.76	7.52	0.16	20.50	8.09	7.85	0.13
17.95	7.76	7.52	0.15	20.55	8.09	7.85	0.13
18.00	7.77	7.53	0.15	20.60	8.10	7.86	0.13
18.05	7.78	7.54	0.15	20.65	8.10	7.86	0.13
18.10	7.78	7.55	0.15	20.70	8.11	7.87	0.12
18.15	7.79	7.55	0.15	20.75	8.11	7.87	0.12

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.12	23.40	8.38	8.14	0.10
20.85	8.13	7.89	0.12	23.45	8.39	8.15	0.10
20.90	8.13	7.89	0.12	23.50	8.39	8.15	0.10
20.95	8.14	7.90	0.12	23.55	8.40	8.16	0.10
21.00	8.14	7.90	0.12	23.60	8.40	8.16	0.10
21.05	8.15	7.91	0.12	23.65	8.41	8.17	0.10
21.10	8.15	7.91	0.12	23.70	8.41	8.17	0.10
21.15	8.16	7.92	0.12	23.75	8.42	8.18	0.10
21.20	8.16	7.92	0.12	23.80	8.42	8.18	0.10
21.25	8.17	7.93	0.12	23.85	8.42	8.18	0.10
21.30	8.18	7.94	0.12	23.90	8.43	8.19	0.10
21.35	8.18	7.94	0.12	23.95	8.43	8.19	0.11
21.40	8.19	7.95	0.12	24.00	**8.44**	**8.20**	0.12
21.45	8.19	7.95	0.12	24.05	8.44	8.20	0.05
21.50	8.20	7.96	0.12	24.10	8.44	8.20	0.01
21.55	8.20	7.96	0.12	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.12	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.12	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.12	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.12	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.12	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.11	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.11	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.11	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.11	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.11	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.11	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.11	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.11	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.11	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.11	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.11	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.11	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.11	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.11	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.11	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.11	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.11	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.11	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.11	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.11	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.10	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.10	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.10	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.10	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.10	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.10	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.10	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.10	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.10	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.10	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.10	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

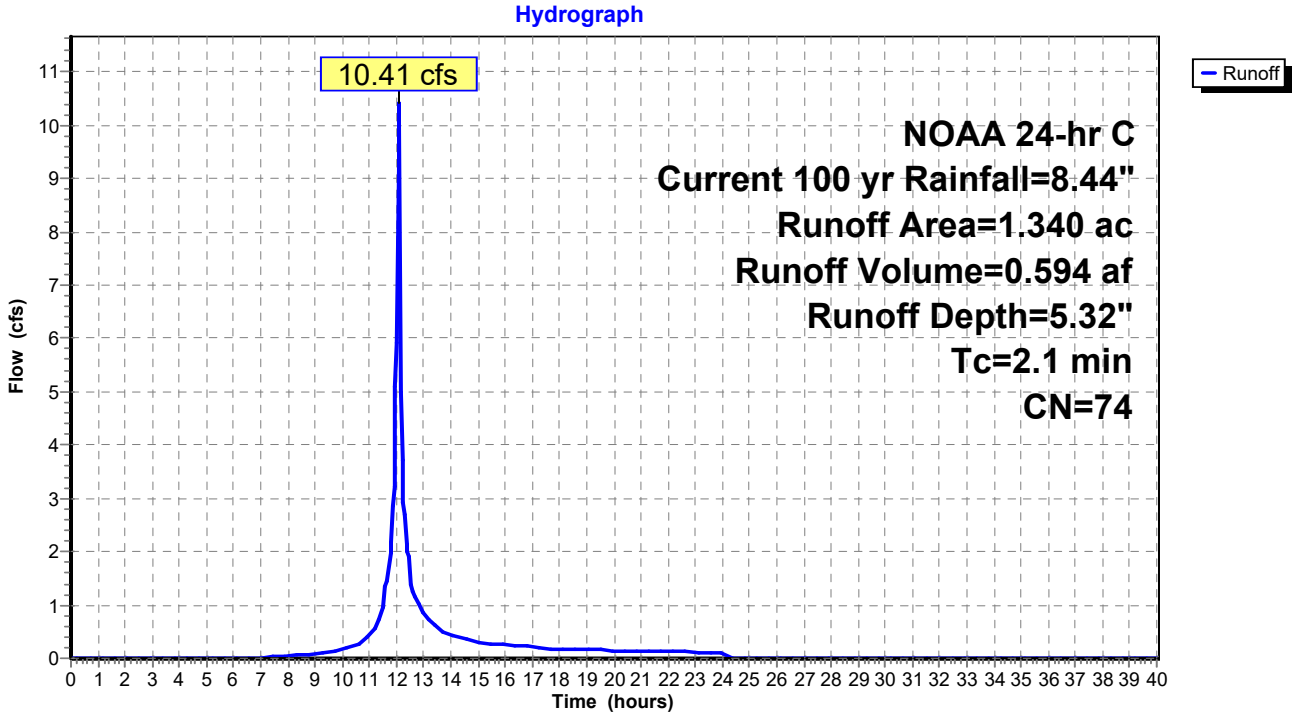
Runoff = 10.41 cfs @ 12.08 hrs, Volume= 0.594 af, Depth= 5.32"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.04
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.04
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.04
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.04
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.04
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.04
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.05
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.05
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.05
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.05
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.05
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.06
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.06
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.06
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.06
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.07
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.07
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.07
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.07
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.07
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.08
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.08
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.08
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.08
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.09
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.09
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.10
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.10
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.11
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.11
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.11
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.12
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.12
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.13
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.13
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.14
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.14
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.15
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.15
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.16
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.16
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.17
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.18
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.18
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.19
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.19
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.20
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.20
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.21

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.22	13.00	6.41	3.54	0.87
10.45	1.72	0.23	0.23	13.05	6.45	3.57	0.79
10.50	1.74	0.24	0.23	13.10	6.48	3.59	0.77
10.55	1.76	0.25	0.26	13.15	6.51	3.62	0.73
10.60	1.79	0.26	0.27	13.20	6.54	3.65	0.72
10.65	1.81	0.27	0.29	13.25	6.57	3.67	0.68
10.70	1.84	0.28	0.30	13.30	6.60	3.70	0.66
10.75	1.87	0.29	0.33	13.35	6.63	3.72	0.62
10.80	1.90	0.30	0.34	13.40	6.65	3.74	0.61
10.85	1.93	0.32	0.37	13.45	6.68	3.76	0.56
10.90	1.96	0.33	0.38	13.50	6.70	3.78	0.55
10.95	1.99	0.35	0.41	13.55	6.72	3.80	0.51
11.00	2.03	0.36	0.43	13.60	6.74	3.82	0.50
11.05	2.06	0.38	0.48	13.65	6.76	3.84	0.49
11.10	2.10	0.40	0.50	13.70	6.78	3.85	0.48
11.15	2.14	0.42	0.55	13.75	6.80	3.87	0.47
11.20	2.19	0.44	0.58	13.80	6.82	3.89	0.47
11.25	2.23	0.46	0.64	13.85	6.84	3.91	0.46
11.30	2.28	0.49	0.66	13.90	6.86	3.92	0.46
11.35	2.33	0.52	0.72	13.95	6.88	3.94	0.44
11.40	2.38	0.54	0.75	14.00	6.90	3.96	0.44
11.45	2.44	0.57	0.80	14.05	6.92	3.97	0.43
11.50	2.49	0.60	0.85	14.10	6.94	3.99	0.43
11.55	2.58	0.65	1.22	14.15	6.95	4.00	0.42
11.60	2.66	0.70	1.34	14.20	6.97	4.02	0.41
11.65	2.75	0.76	1.43	14.25	6.99	4.03	0.40
11.70	2.84	0.81	1.50	14.30	7.01	4.05	0.40
11.75	2.97	0.89	1.96	14.35	7.02	4.06	0.39
11.80	3.09	0.97	2.15	14.40	7.04	4.08	0.38
11.85	3.26	1.08	2.86	14.45	7.05	4.09	0.37
11.90	3.43	1.19	3.20	14.50	7.07	4.10	0.37
11.95	3.73	1.40	5.10	14.55	7.09	4.12	0.36
12.00	4.02	1.61	5.92	14.60	7.10	4.13	0.35
12.05	4.52	1.98	9.22	14.65	7.11	4.14	0.34
12.10	5.01	2.37	**10.04**	14.70	7.13	4.15	0.34
12.15	5.18	2.51	5.01	14.75	7.14	4.17	0.33
12.20	5.35	2.65	3.72	14.80	7.16	4.18	0.32
12.25	5.47	2.75	2.92	14.85	7.17	4.19	0.31
12.30	5.60	2.85	2.70	14.90	7.18	4.20	0.31
12.35	5.69	2.92	2.15	14.95	7.19	4.21	0.30
12.40	5.78	3.00	2.01	15.00	7.21	4.22	0.29
12.45	5.86	3.07	1.94	15.05	7.22	4.23	0.28
12.50	5.95	3.14	1.90	15.10	7.23	4.24	0.28
12.55	6.00	3.19	1.38	15.15	7.24	4.25	0.28
12.60	6.06	3.23	1.25	15.20	7.25	4.26	0.28
12.65	6.11	3.28	1.19	15.25	7.27	4.27	0.27
12.70	6.16	3.32	1.17	15.30	7.28	4.28	0.27
12.75	6.21	3.36	1.10	15.35	7.29	4.29	0.27
12.80	6.25	3.40	1.07	15.40	7.30	4.30	0.27
12.85	6.30	3.44	1.00	15.45	7.31	4.31	0.27
12.90	6.34	3.47	0.97	15.50	7.32	4.32	0.26
12.95	6.38	3.50	0.90	15.55	7.33	4.33	0.26

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.26	18.20	7.80	4.75	0.16
15.65	7.36	4.35	0.26	18.25	7.80	4.75	0.16
15.70	7.37	4.36	0.26	18.30	7.81	4.76	0.16
15.75	7.38	4.37	0.25	18.35	7.82	4.76	0.16
15.80	7.39	4.38	0.25	18.40	7.82	4.77	0.16
15.85	7.40	4.39	0.25	18.45	7.83	4.78	0.16
15.90	7.41	4.40	0.25	18.50	7.84	4.78	0.16
15.95	7.42	4.41	0.25	18.55	7.84	4.79	0.16
16.00	7.43	4.42	0.25	18.60	7.85	4.79	0.16
16.05	7.44	4.43	0.24	18.65	7.86	4.80	0.16
16.10	7.45	4.44	0.24	18.70	7.86	4.80	0.16
16.15	7.46	4.44	0.24	18.75	7.87	4.81	0.16
16.20	7.47	4.45	0.24	18.80	7.88	4.82	0.16
16.25	7.48	4.46	0.23	18.85	7.88	4.82	0.16
16.30	7.49	4.47	0.23	18.90	7.89	4.83	0.16
16.35	7.50	4.48	0.23	18.95	7.90	4.83	0.15
16.40	7.51	4.49	0.23	19.00	7.90	4.84	0.15
16.45	7.52	4.50	0.23	19.05	7.91	4.84	0.15
16.50	7.53	4.50	0.23	19.10	7.92	4.85	0.15
16.55	7.54	4.51	0.22	19.15	7.92	4.86	0.15
16.60	7.55	4.52	0.22	19.20	7.93	4.86	0.15
16.65	7.55	4.53	0.22	19.25	7.93	4.87	0.15
16.70	7.56	4.54	0.22	19.30	7.94	4.87	0.15
16.75	7.57	4.55	0.22	19.35	7.95	4.88	0.15
16.80	7.58	4.55	0.21	19.40	7.95	4.88	0.15
16.85	7.59	4.56	0.21	19.45	7.96	4.89	0.15
16.90	7.60	4.57	0.21	19.50	7.97	4.90	0.15
16.95	7.61	4.58	0.21	19.55	7.97	4.90	0.15
17.00	7.62	4.58	0.21	19.60	7.98	4.91	0.15
17.05	7.63	4.59	0.20	19.65	7.98	4.91	0.15
17.10	7.63	4.60	0.20	19.70	7.99	4.92	0.15
17.15	7.64	4.61	0.20	19.75	8.00	4.92	0.15
17.20	7.65	4.61	0.20	19.80	8.00	4.93	0.15
17.25	7.66	4.62	0.20	19.85	8.01	4.93	0.15
17.30	7.67	4.63	0.19	19.90	8.01	4.94	0.15
17.35	7.67	4.64	0.19	19.95	8.02	4.94	0.15
17.40	7.68	4.64	0.19	20.00	8.03	4.95	0.14
17.45	7.69	4.65	0.19	20.05	8.03	4.96	0.14
17.50	7.70	4.66	0.19	20.10	8.04	4.96	0.14
17.55	7.71	4.66	0.18	20.15	8.04	4.97	0.14
17.60	7.71	4.67	0.18	20.20	8.05	4.97	0.14
17.65	7.72	4.68	0.18	20.25	8.06	4.98	0.14
17.70	7.73	4.68	0.18	20.30	8.06	4.98	0.14
17.75	7.74	4.69	0.18	20.35	8.07	4.99	0.14
17.80	7.74	4.70	0.18	20.40	8.07	4.99	0.14
17.85	7.75	4.70	0.17	20.45	8.08	5.00	0.14
17.90	7.76	4.71	0.17	20.50	8.09	5.00	0.14
17.95	7.76	4.72	0.17	20.55	8.09	5.01	0.14
18.00	7.77	4.72	0.17	20.60	8.10	5.01	0.14
18.05	7.78	4.73	0.16	20.65	8.10	5.02	0.14
18.10	7.78	4.73	0.16	20.70	8.11	5.02	0.14
18.15	7.79	4.74	0.16	20.75	8.11	5.03	0.14

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.14	23.40	8.38	5.27	0.11
20.85	8.13	5.04	0.14	23.45	8.39	5.28	0.11
20.90	8.13	5.04	0.14	23.50	8.39	5.28	0.11
20.95	8.14	5.05	0.14	23.55	8.40	5.28	0.11
21.00	8.14	5.05	0.13	23.60	8.40	5.29	0.11
21.05	8.15	5.06	0.13	23.65	8.41	5.29	0.11
21.10	8.15	5.06	0.13	23.70	8.41	5.30	0.11
21.15	8.16	5.07	0.13	23.75	8.42	5.30	0.11
21.20	8.16	5.07	0.13	23.80	8.42	5.30	0.11
21.25	8.17	5.08	0.13	23.85	8.42	5.31	0.11
21.30	8.18	5.08	0.13	23.90	8.43	5.31	0.11
21.35	8.18	5.09	0.13	23.95	8.43	5.32	0.13
21.40	8.19	5.09	0.13	24.00	**8.44**	**5.32**	0.13
21.45	8.19	5.10	0.13	24.05	8.44	5.32	0.03
21.50	8.20	5.10	0.13	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.13	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.13	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.13	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.13	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.13	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.13	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.13	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.13	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.13	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.13	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.12	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.12	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.12	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.12	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.12	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.12	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.12	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.12	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.12	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.12	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.12	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.12	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.12	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.12	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.12	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.12	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.12	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.12	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.12	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.12	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.11	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.11	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.11	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.11	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.11	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.11	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.11	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

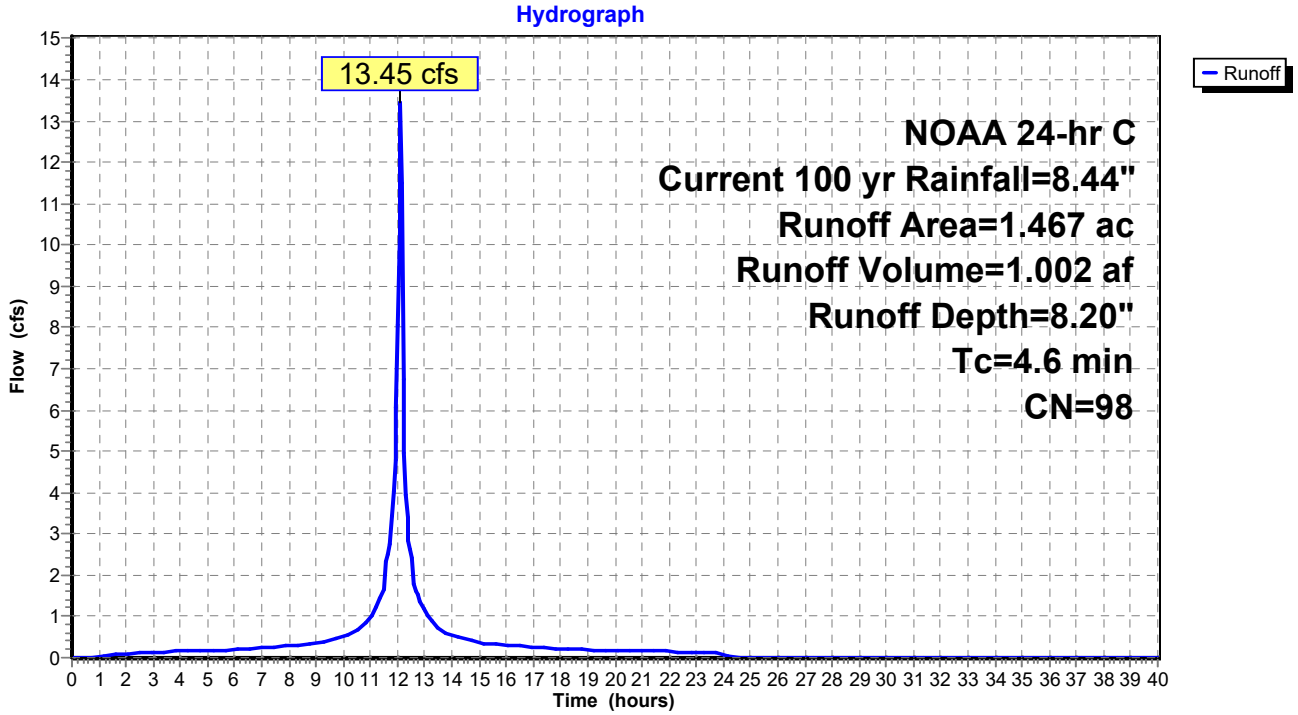
Runoff = 13.45 cfs @ 12.11 hrs, Volume= 1.002 af, Depth= 8.20"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.12
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.12
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.12
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.12
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.13
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.13
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.13
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.13
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.13
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.13
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.13
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.13
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.14
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.14
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.14
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.14
0.80	0.07	0.00	0.03	3.40	0.34	0.18	0.14
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.14
0.90	0.08	0.01	0.04	3.50	0.35	0.19	0.14
0.95	0.09	0.01	0.04	3.55	0.36	0.19	0.14
1.00	0.09	0.01	0.05	3.60	0.37	0.20	0.14
1.05	0.10	0.01	0.05	3.65	0.37	0.20	0.15
1.10	0.10	0.01	0.05	3.70	0.38	0.21	0.15
1.15	0.11	0.02	0.06	3.75	0.38	0.21	0.15
1.20	0.11	0.02	0.06	3.80	0.39	0.22	0.15
1.25	0.12	0.02	0.06	3.85	0.40	0.22	0.15
1.30	0.12	0.02	0.07	3.90	0.40	0.23	0.15
1.35	0.13	0.02	0.07	3.95	0.41	0.24	0.15
1.40	0.13	0.03	0.07	4.00	0.41	0.24	0.15
1.45	0.14	0.03	0.07	4.05	0.42	0.25	0.15
1.50	0.14	0.03	0.08	4.10	0.43	0.25	0.16
1.55	0.15	0.04	0.08	4.15	0.43	0.26	0.16
1.60	0.15	0.04	0.08	4.20	0.44	0.26	0.16
1.65	0.16	0.04	0.08	4.25	0.44	0.27	0.16
1.70	0.16	0.04	0.09	4.30	0.45	0.27	0.16
1.75	0.17	0.05	0.09	4.35	0.46	0.28	0.16
1.80	0.17	0.05	0.09	4.40	0.46	0.28	0.16
1.85	0.18	0.05	0.09	4.45	0.47	0.29	0.16
1.90	0.18	0.06	0.10	4.50	0.47	0.29	0.16
1.95	0.19	0.06	0.10	4.55	0.48	0.30	0.16
2.00	0.19	0.06	0.10	4.60	0.49	0.31	0.16
2.05	0.20	0.07	0.10	4.65	0.49	0.31	0.17
2.10	0.20	0.07	0.10	4.70	0.50	0.32	0.17
2.15	0.21	0.07	0.10	4.75	0.51	0.32	0.17
2.20	0.21	0.08	0.11	4.80	0.51	0.33	0.17
2.25	0.22	0.08	0.11	4.85	0.52	0.33	0.17
2.30	0.22	0.09	0.11	4.90	0.52	0.34	0.17
2.35	0.23	0.09	0.11	4.95	0.53	0.35	0.17
2.40	0.23	0.09	0.11	5.00	0.54	0.35	0.17
2.45	0.24	0.10	0.11	5.05	0.54	0.36	0.17
2.50	0.24	0.10	0.12	5.10	0.55	0.36	0.17
2.55	0.25	0.10	0.12	5.15	0.56	0.37	0.17

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.18	7.80	0.97	0.76	0.28
5.25	0.57	0.38	0.18	7.85	0.98	0.77	0.28
5.30	0.58	0.39	0.18	7.90	0.99	0.78	0.29
5.35	0.58	0.39	0.18	7.95	1.00	0.79	0.29
5.40	0.59	0.40	0.18	8.00	1.01	0.80	0.29
5.45	0.60	0.41	0.18	8.05	1.02	0.81	0.29
5.50	0.60	0.41	0.18	8.10	1.03	0.82	0.29
5.55	0.61	0.42	0.18	8.15	1.04	0.83	0.30
5.60	0.62	0.42	0.18	8.20	1.05	0.84	0.30
5.65	0.62	0.43	0.18	8.25	1.06	0.85	0.30
5.70	0.63	0.44	0.18	8.30	1.07	0.86	0.31
5.75	0.64	0.44	0.18	8.35	1.08	0.87	0.31
5.80	0.64	0.45	0.19	8.40	1.10	0.88	0.31
5.85	0.65	0.45	0.19	8.45	1.11	0.89	0.31
5.90	0.66	0.46	0.19	8.50	1.12	0.91	0.32
5.95	0.66	0.47	0.19	8.55	1.13	0.92	0.32
6.00	0.67	0.47	0.19	8.60	1.14	0.93	0.32
6.05	0.68	0.48	0.19	8.65	1.15	0.94	0.32
6.10	0.68	0.49	0.19	8.70	1.16	0.95	0.33
6.15	0.69	0.49	0.20	8.75	1.17	0.96	0.33
6.20	0.70	0.50	0.20	8.80	1.19	0.97	0.33
6.25	0.70	0.51	0.20	8.85	1.20	0.98	0.33
6.30	0.71	0.51	0.20	8.90	1.21	0.99	0.34
6.35	0.72	0.52	0.21	8.95	1.22	1.01	0.34
6.40	0.73	0.53	0.21	9.00	1.23	1.02	0.34
6.45	0.73	0.54	0.21	9.05	1.25	1.03	0.35
6.50	0.74	0.54	0.21	9.10	1.26	1.04	0.36
6.55	0.75	0.55	0.22	9.15	1.27	1.05	0.37
6.60	0.76	0.56	0.22	9.20	1.28	1.07	0.38
6.65	0.77	0.57	0.22	9.25	1.30	1.08	0.38
6.70	0.77	0.57	0.22	9.30	1.31	1.09	0.40
6.75	0.78	0.58	0.23	9.35	1.33	1.11	0.40
6.80	0.79	0.59	0.23	9.40	1.34	1.12	0.41
6.85	0.80	0.60	0.23	9.45	1.35	1.14	0.42
6.90	0.81	0.60	0.23	9.50	1.37	1.15	0.43
6.95	0.81	0.61	0.24	9.55	1.39	1.17	0.44
7.00	0.82	0.62	0.24	9.60	1.40	1.18	0.45
7.05	0.83	0.63	0.24	9.65	1.42	1.20	0.46
7.10	0.84	0.64	0.24	9.70	1.43	1.21	0.47
7.15	0.85	0.65	0.25	9.75	1.45	1.23	0.48
7.20	0.86	0.65	0.25	9.80	1.47	1.25	0.49
7.25	0.87	0.66	0.25	9.85	1.49	1.27	0.50
7.30	0.88	0.67	0.25	9.90	1.50	1.28	0.51
7.35	0.89	0.68	0.26	9.95	1.52	1.30	0.52
7.40	0.89	0.69	0.26	10.00	1.54	1.32	0.53
7.45	0.90	0.70	0.26	10.05	1.56	1.34	0.53
7.50	0.91	0.71	0.26	10.10	1.58	1.36	0.54
7.55	0.92	0.72	0.27	10.15	1.60	1.37	0.55
7.60	0.93	0.73	0.27	10.20	1.62	1.39	0.56
7.65	0.94	0.73	0.27	10.25	1.64	1.41	0.57
7.70	0.95	0.74	0.27	10.30	1.66	1.43	0.58
7.75	0.96	0.75	0.28	10.35	1.68	1.45	0.59

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.60	13.00	6.41	6.18	1.15
10.45	1.72	1.50	0.61	13.05	6.45	6.21	1.09
10.50	1.74	1.52	0.62	13.10	6.48	6.24	1.01
10.55	1.76	1.54	0.64	13.15	6.51	6.27	0.97
10.60	1.79	1.56	0.68	13.20	6.54	6.30	0.93
10.65	1.81	1.59	0.71	13.25	6.57	6.33	0.90
10.70	1.84	1.62	0.75	13.30	6.60	6.36	0.86
10.75	1.87	1.64	0.78	13.35	6.63	6.39	0.83
10.80	1.90	1.67	0.82	13.40	6.65	6.41	0.79
10.85	1.93	1.70	0.86	13.45	6.68	6.44	0.75
10.90	1.96	1.73	0.90	13.50	6.70	6.46	0.72
10.95	1.99	1.77	0.93	13.55	6.72	6.48	0.68
11.00	2.03	1.80	0.97	13.60	6.74	6.50	0.64
11.05	2.06	1.84	1.02	13.65	6.76	6.53	0.63
11.10	2.10	1.87	1.09	13.70	6.78	6.55	0.62
11.15	2.14	1.92	1.15	13.75	6.80	6.57	0.61
11.20	2.19	1.96	1.22	13.80	6.82	6.59	0.60
11.25	2.23	2.01	1.28	13.85	6.84	6.61	0.59
11.30	2.28	2.05	1.36	13.90	6.86	6.62	0.58
11.35	2.33	2.10	1.42	13.95	6.88	6.64	0.57
11.40	2.38	2.16	1.49	14.00	6.90	6.66	0.56
11.45	2.44	2.21	1.54	14.05	6.92	6.68	0.55
11.50	2.49	2.26	1.60	14.10	6.94	6.70	0.54
11.55	2.58	2.35	1.88	14.15	6.95	6.72	0.53
11.60	2.66	2.43	2.35	14.20	6.97	6.73	0.52
11.65	2.75	2.52	2.52	14.25	6.99	6.75	0.51
11.70	2.84	2.61	2.62	14.30	7.01	6.77	0.50
11.75	2.97	2.74	2.93	14.35	7.02	6.78	0.49
11.80	3.09	2.86	3.45	14.40	7.04	6.80	0.48
11.85	3.26	3.03	4.02	14.45	7.05	6.82	0.48
11.90	3.43	3.20	4.79	14.50	7.07	6.83	0.47
11.95	3.73	3.49	6.09	14.55	7.09	6.85	0.46
12.00	4.02	3.79	8.05	14.60	7.10	6.86	0.45
12.05	4.52	4.28	10.32	14.65	7.11	6.88	0.44
12.10	5.01	4.77	**13.41**	14.70	7.13	6.89	0.43
12.15	5.18	4.94	11.48	14.75	7.14	6.90	0.42
12.20	5.35	5.11	6.75	14.80	7.16	6.92	0.41
12.25	5.47	5.24	4.97	14.85	7.17	6.93	0.40
12.30	5.60	5.36	3.95	14.90	7.18	6.94	0.39
12.35	5.69	5.45	3.40	14.95	7.19	6.96	0.38
12.40	5.78	5.54	2.84	15.00	7.21	6.97	0.37
12.45	5.86	5.62	2.65	15.05	7.22	6.98	0.36
12.50	5.95	5.71	2.55	15.10	7.23	6.99	0.35
12.55	6.00	5.76	2.26	15.15	7.24	7.00	0.35
12.60	6.06	5.82	1.79	15.20	7.25	7.02	0.35
12.65	6.11	5.87	1.63	15.25	7.27	7.03	0.34
12.70	6.16	5.92	1.55	15.30	7.28	7.04	0.34
12.75	6.21	5.97	1.49	15.35	7.29	7.05	0.34
12.80	6.25	6.02	1.42	15.40	7.30	7.06	0.34
12.85	6.30	6.06	1.36	15.45	7.31	7.07	0.33
12.90	6.34	6.10	1.28	15.50	7.32	7.08	0.33
12.95	6.38	6.14	1.22	15.55	7.33	7.09	0.33

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.33	18.20	7.80	7.56	0.20
15.65	7.36	7.12	0.32	18.25	7.80	7.57	0.20
15.70	7.37	7.13	0.32	18.30	7.81	7.57	0.20
15.75	7.38	7.14	0.32	18.35	7.82	7.58	0.20
15.80	7.39	7.15	0.32	18.40	7.82	7.59	0.20
15.85	7.40	7.16	0.31	18.45	7.83	7.59	0.20
15.90	7.41	7.17	0.31	18.50	7.84	7.60	0.20
15.95	7.42	7.18	0.31	18.55	7.84	7.61	0.20
16.00	7.43	7.19	0.31	18.60	7.85	7.61	0.19
16.05	7.44	7.20	0.30	18.65	7.86	7.62	0.19
16.10	7.45	7.21	0.30	18.70	7.86	7.62	0.19
16.15	7.46	7.22	0.30	18.75	7.87	7.63	0.19
16.20	7.47	7.23	0.30	18.80	7.88	7.64	0.19
16.25	7.48	7.24	0.29	18.85	7.88	7.64	0.19
16.30	7.49	7.25	0.29	18.90	7.89	7.65	0.19
16.35	7.50	7.26	0.29	18.95	7.90	7.66	0.19
16.40	7.51	7.27	0.29	19.00	7.90	7.66	0.19
16.45	7.52	7.28	0.28	19.05	7.91	7.67	0.19
16.50	7.53	7.29	0.28	19.10	7.92	7.68	0.19
16.55	7.54	7.30	0.28	19.15	7.92	7.68	0.19
16.60	7.55	7.31	0.28	19.20	7.93	7.69	0.19
16.65	7.55	7.32	0.27	19.25	7.93	7.70	0.19
16.70	7.56	7.32	0.27	19.30	7.94	7.70	0.19
16.75	7.57	7.33	0.27	19.35	7.95	7.71	0.19
16.80	7.58	7.34	0.27	19.40	7.95	7.71	0.18
16.85	7.59	7.35	0.26	19.45	7.96	7.72	0.18
16.90	7.60	7.36	0.26	19.50	7.97	7.73	0.18
16.95	7.61	7.37	0.26	19.55	7.97	7.73	0.18
17.00	7.62	7.38	0.26	19.60	7.98	7.74	0.18
17.05	7.63	7.39	0.25	19.65	7.98	7.74	0.18
17.10	7.63	7.39	0.25	19.70	7.99	7.75	0.18
17.15	7.64	7.40	0.25	19.75	8.00	7.76	0.18
17.20	7.65	7.41	0.25	19.80	8.00	7.76	0.18
17.25	7.66	7.42	0.24	19.85	8.01	7.77	0.18
17.30	7.67	7.43	0.24	19.90	8.01	7.78	0.18
17.35	7.67	7.43	0.24	19.95	8.02	7.78	0.18
17.40	7.68	7.44	0.24	20.00	8.03	7.79	0.18
17.45	7.69	7.45	0.23	20.05	8.03	7.79	0.18
17.50	7.70	7.46	0.23	20.10	8.04	7.80	0.18
17.55	7.71	7.47	0.23	20.15	8.04	7.80	0.18
17.60	7.71	7.47	0.23	20.20	8.05	7.81	0.17
17.65	7.72	7.48	0.22	20.25	8.06	7.82	0.17
17.70	7.73	7.49	0.22	20.30	8.06	7.82	0.17
17.75	7.74	7.50	0.22	20.35	8.07	7.83	0.17
17.80	7.74	7.50	0.22	20.40	8.07	7.83	0.17
17.85	7.75	7.51	0.21	20.45	8.08	7.84	0.17
17.90	7.76	7.52	0.21	20.50	8.09	7.85	0.17
17.95	7.76	7.52	0.21	20.55	8.09	7.85	0.17
18.00	7.77	7.53	0.21	20.60	8.10	7.86	0.17
18.05	7.78	7.54	0.20	20.65	8.10	7.86	0.17
18.10	7.78	7.55	0.20	20.70	8.11	7.87	0.17
18.15	7.79	7.55	0.20	20.75	8.11	7.87	0.17

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.17	23.40	8.38	8.14	0.14
20.85	8.13	7.89	0.17	23.45	8.39	8.15	0.14
20.90	8.13	7.89	0.17	23.50	8.39	8.15	0.13
20.95	8.14	7.90	0.17	23.55	8.40	8.16	0.13
21.00	8.14	7.90	0.16	23.60	8.40	8.16	0.13
21.05	8.15	7.91	0.16	23.65	8.41	8.17	0.13
21.10	8.15	7.91	0.16	23.70	8.41	8.17	0.13
21.15	8.16	7.92	0.16	23.75	8.42	8.18	0.13
21.20	8.16	7.92	0.16	23.80	8.42	8.18	0.13
21.25	8.17	7.93	0.16	23.85	8.42	8.18	0.13
21.30	8.18	7.94	0.16	23.90	8.43	8.19	0.13
21.35	8.18	7.94	0.16	23.95	8.43	8.19	0.14
21.40	8.19	7.95	0.16	24.00	**8.44**	**8.20**	0.15
21.45	8.19	7.95	0.16	24.05	8.44	8.20	0.11
21.50	8.20	7.96	0.16	24.10	8.44	8.20	0.03
21.55	8.20	7.96	0.16	24.15	8.44	8.20	0.01
21.60	8.21	7.97	0.16	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.16	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.16	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.16	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.16	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.16	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.15	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.15	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.15	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.15	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.15	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.15	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.15	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.15	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.15	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.15	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.15	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.15	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.15	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.15	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.15	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.15	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.14	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.14	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.14	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.14	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.14	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.14	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.14	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.14	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.14	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.14	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.14	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.14	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.14	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.14	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

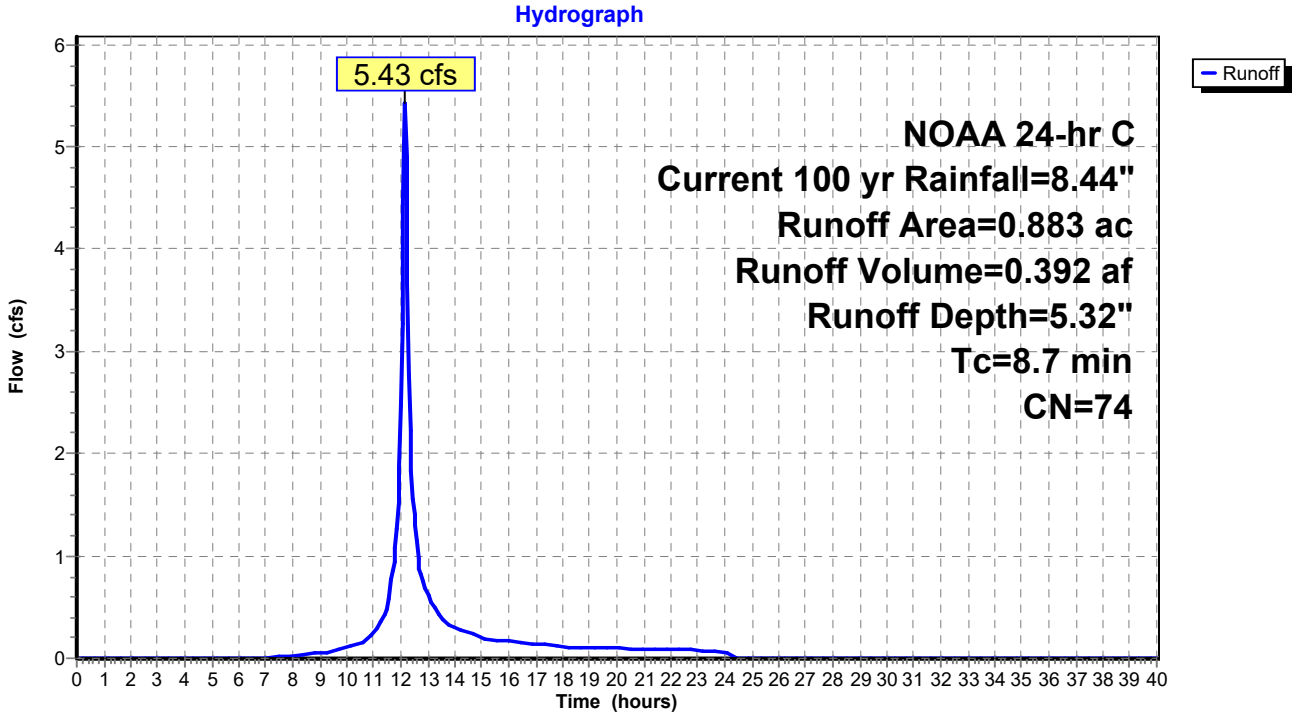
Runoff = 5.43 cfs @ 12.16 hrs, Volume= 0.392 af, Depth= 5.32"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.04
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.04
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.05
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.05
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.06
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.06
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.06
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.07
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.07
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.07
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.08
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.08
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.08
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.08
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.09
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.09
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.09
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.10
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.10
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.10
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.11
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.11
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.12
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.12
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.12
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.13
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.13

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.14	13.00	6.41	3.54	0.63
10.45	1.72	0.23	0.14	13.05	6.45	3.57	0.60
10.50	1.74	0.24	0.14	13.10	6.48	3.59	0.57
10.55	1.76	0.25	0.15	13.15	6.51	3.62	0.54
10.60	1.79	0.26	0.16	13.20	6.54	3.65	0.51
10.65	1.81	0.27	0.17	13.25	6.57	3.67	0.49
10.70	1.84	0.28	0.18	13.30	6.60	3.70	0.47
10.75	1.87	0.29	0.19	13.35	6.63	3.72	0.45
10.80	1.90	0.30	0.20	13.40	6.65	3.74	0.43
10.85	1.93	0.32	0.21	13.45	6.68	3.76	0.41
10.90	1.96	0.33	0.23	13.50	6.70	3.78	0.40
10.95	1.99	0.35	0.24	13.55	6.72	3.80	0.38
11.00	2.03	0.36	0.25	13.60	6.74	3.82	0.36
11.05	2.06	0.38	0.27	13.65	6.76	3.84	0.34
11.10	2.10	0.40	0.29	13.70	6.78	3.85	0.33
11.15	2.14	0.42	0.31	13.75	6.80	3.87	0.32
11.20	2.19	0.44	0.33	13.80	6.82	3.89	0.32
11.25	2.23	0.46	0.36	13.85	6.84	3.91	0.31
11.30	2.28	0.49	0.39	13.90	6.86	3.92	0.31
11.35	2.33	0.52	0.41	13.95	6.88	3.94	0.30
11.40	2.38	0.54	0.44	14.00	6.90	3.96	0.30
11.45	2.44	0.57	0.47	14.05	6.92	3.97	0.29
11.50	2.49	0.60	0.50	14.10	6.94	3.99	0.29
11.55	2.58	0.65	0.54	14.15	6.95	4.00	0.28
11.60	2.66	0.70	0.64	14.20	6.97	4.02	0.28
11.65	2.75	0.76	0.76	14.25	6.99	4.03	0.28
11.70	2.84	0.81	0.85	14.30	7.01	4.05	0.27
11.75	2.97	0.89	0.93	14.35	7.02	4.06	0.27
11.80	3.09	0.97	1.08	14.40	7.04	4.08	0.26
11.85	3.26	1.08	1.27	14.45	7.05	4.09	0.26
11.90	3.43	1.19	1.53	14.50	7.07	4.10	0.25
11.95	3.73	1.40	1.87	14.55	7.09	4.12	0.25
12.00	4.02	1.61	2.47	14.60	7.10	4.13	0.24
12.05	4.52	1.98	3.28	14.65	7.11	4.14	0.24
12.10	5.01	2.37	4.44	14.70	7.13	4.15	0.23
12.15	5.18	2.51	**5.41**	14.75	7.14	4.17	0.23
12.20	5.35	2.65	4.90	14.80	7.16	4.18	0.22
12.25	5.47	2.75	3.66	14.85	7.17	4.19	0.22
12.30	5.60	2.85	2.77	14.90	7.18	4.20	0.21
12.35	5.69	2.92	2.22	14.95	7.19	4.21	0.21
12.40	5.78	3.00	1.83	15.00	7.21	4.22	0.20
12.45	5.86	3.07	1.56	15.05	7.22	4.23	0.20
12.50	5.95	3.14	1.41	15.10	7.23	4.24	0.19
12.55	6.00	3.19	1.30	15.15	7.24	4.25	0.19
12.60	6.06	3.23	1.15	15.20	7.25	4.26	0.19
12.65	6.11	3.28	0.98	15.25	7.27	4.27	0.18
12.70	6.16	3.32	0.88	15.30	7.28	4.28	0.18
12.75	6.21	3.36	0.82	15.35	7.29	4.29	0.18
12.80	6.25	3.40	0.77	15.40	7.30	4.30	0.18
12.85	6.30	3.44	0.74	15.45	7.31	4.31	0.18
12.90	6.34	3.47	0.70	15.50	7.32	4.32	0.18
12.95	6.38	3.50	0.67	15.55	7.33	4.33	0.18

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.17	18.20	7.80	4.75	0.11
15.65	7.36	4.35	0.17	18.25	7.80	4.75	0.11
15.70	7.37	4.36	0.17	18.30	7.81	4.76	0.11
15.75	7.38	4.37	0.17	18.35	7.82	4.76	0.11
15.80	7.39	4.38	0.17	18.40	7.82	4.77	0.11
15.85	7.40	4.39	0.17	18.45	7.83	4.78	0.11
15.90	7.41	4.40	0.17	18.50	7.84	4.78	0.11
15.95	7.42	4.41	0.17	18.55	7.84	4.79	0.11
16.00	7.43	4.42	0.16	18.60	7.85	4.79	0.11
16.05	7.44	4.43	0.16	18.65	7.86	4.80	0.10
16.10	7.45	4.44	0.16	18.70	7.86	4.80	0.10
16.15	7.46	4.44	0.16	18.75	7.87	4.81	0.10
16.20	7.47	4.45	0.16	18.80	7.88	4.82	0.10
16.25	7.48	4.46	0.16	18.85	7.88	4.82	0.10
16.30	7.49	4.47	0.16	18.90	7.89	4.83	0.10
16.35	7.50	4.48	0.16	18.95	7.90	4.83	0.10
16.40	7.51	4.49	0.15	19.00	7.90	4.84	0.10
16.45	7.52	4.50	0.15	19.05	7.91	4.84	0.10
16.50	7.53	4.50	0.15	19.10	7.92	4.85	0.10
16.55	7.54	4.51	0.15	19.15	7.92	4.86	0.10
16.60	7.55	4.52	0.15	19.20	7.93	4.86	0.10
16.65	7.55	4.53	0.15	19.25	7.93	4.87	0.10
16.70	7.56	4.54	0.15	19.30	7.94	4.87	0.10
16.75	7.57	4.55	0.15	19.35	7.95	4.88	0.10
16.80	7.58	4.55	0.14	19.40	7.95	4.88	0.10
16.85	7.59	4.56	0.14	19.45	7.96	4.89	0.10
16.90	7.60	4.57	0.14	19.50	7.97	4.90	0.10
16.95	7.61	4.58	0.14	19.55	7.97	4.90	0.10
17.00	7.62	4.58	0.14	19.60	7.98	4.91	0.10
17.05	7.63	4.59	0.14	19.65	7.98	4.91	0.10
17.10	7.63	4.60	0.14	19.70	7.99	4.92	0.10
17.15	7.64	4.61	0.13	19.75	8.00	4.92	0.10
17.20	7.65	4.61	0.13	19.80	8.00	4.93	0.10
17.25	7.66	4.62	0.13	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.13	19.90	8.01	4.94	0.10
17.35	7.67	4.64	0.13	19.95	8.02	4.94	0.10
17.40	7.68	4.64	0.13	20.00	8.03	4.95	0.10
17.45	7.69	4.65	0.13	20.05	8.03	4.96	0.10
17.50	7.70	4.66	0.13	20.10	8.04	4.96	0.10
17.55	7.71	4.66	0.12	20.15	8.04	4.97	0.10
17.60	7.71	4.67	0.12	20.20	8.05	4.97	0.09
17.65	7.72	4.68	0.12	20.25	8.06	4.98	0.09
17.70	7.73	4.68	0.12	20.30	8.06	4.98	0.09
17.75	7.74	4.69	0.12	20.35	8.07	4.99	0.09
17.80	7.74	4.70	0.12	20.40	8.07	4.99	0.09
17.85	7.75	4.70	0.12	20.45	8.08	5.00	0.09
17.90	7.76	4.71	0.12	20.50	8.09	5.00	0.09
17.95	7.76	4.72	0.11	20.55	8.09	5.01	0.09
18.00	7.77	4.72	0.11	20.60	8.10	5.01	0.09
18.05	7.78	4.73	0.11	20.65	8.10	5.02	0.09
18.10	7.78	4.73	0.11	20.70	8.11	5.02	0.09
18.15	7.79	4.74	0.11	20.75	8.11	5.03	0.09

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.09	23.40	8.38	5.27	0.07
20.85	8.13	5.04	0.09	23.45	8.39	5.28	0.07
20.90	8.13	5.04	0.09	23.50	8.39	5.28	0.07
20.95	8.14	5.05	0.09	23.55	8.40	5.28	0.07
21.00	8.14	5.05	0.09	23.60	8.40	5.29	0.07
21.05	8.15	5.06	0.09	23.65	8.41	5.29	0.07
21.10	8.15	5.06	0.09	23.70	8.41	5.30	0.07
21.15	8.16	5.07	0.09	23.75	8.42	5.30	0.07
21.20	8.16	5.07	0.09	23.80	8.42	5.30	0.07
21.25	8.17	5.08	0.09	23.85	8.42	5.31	0.07
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.07
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.07
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.09	24.05	8.44	5.32	0.08
21.50	8.20	5.10	0.09	24.10	8.44	5.32	0.06
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.03
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.01
21.65	8.21	5.12	0.09	24.25	8.44	5.32	0.01
21.70	8.22	5.12	0.08	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.08	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.08	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.08	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.08	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.08	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.08	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.08	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.08	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.08	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.08	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.08	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.08	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.08	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.08	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.08	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.08	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.08	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.08	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.08	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.07	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.07	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.07	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 14l: PDA-14 (impervious)

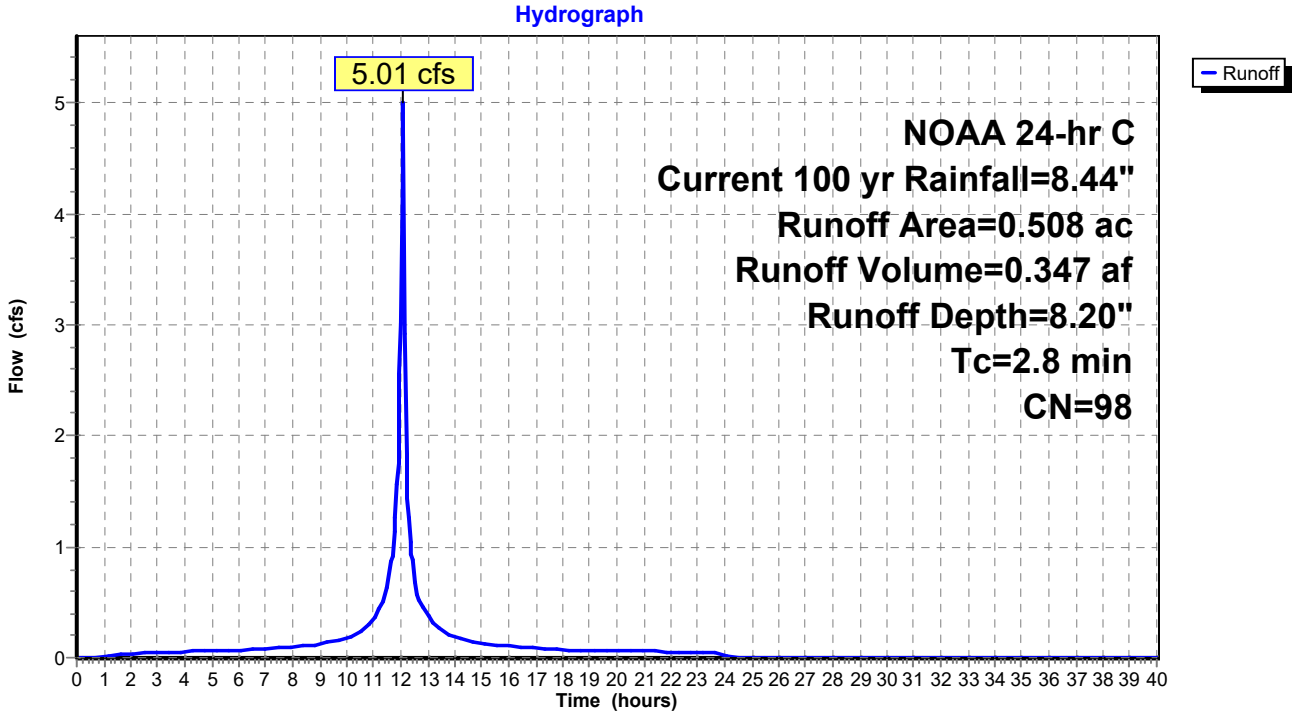
Runoff = 5.01 cfs @ 12.09 hrs, Volume= 0.347 af, Depth= 8.20"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 14l: PDA-14 (impervious)



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.04
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.05
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.05
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.05
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.05
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.05
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.05
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.05
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.05
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.05
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.05
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.05
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.05
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.05
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.05
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.05
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.05
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.05
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.06
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.06
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.06
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.06
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.06
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.06
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.06
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.06
2.05	0.20	0.07	0.04	4.65	0.49	0.31	0.06
2.10	0.20	0.07	0.04	4.70	0.50	0.32	0.06
2.15	0.21	0.07	0.04	4.75	0.51	0.32	0.06
2.20	0.21	0.08	0.04	4.80	0.51	0.33	0.06
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.06
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.06
2.35	0.23	0.09	0.04	4.95	0.53	0.35	0.06
2.40	0.23	0.09	0.04	5.00	0.54	0.35	0.06
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.06
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.06
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.06

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.06	7.80	0.97	0.76	0.10
5.25	0.57	0.38	0.06	7.85	0.98	0.77	0.10
5.30	0.58	0.39	0.06	7.90	0.99	0.78	0.10
5.35	0.58	0.39	0.06	7.95	1.00	0.79	0.10
5.40	0.59	0.40	0.06	8.00	1.01	0.80	0.10
5.45	0.60	0.41	0.06	8.05	1.02	0.81	0.10
5.50	0.60	0.41	0.06	8.10	1.03	0.82	0.10
5.55	0.61	0.42	0.06	8.15	1.04	0.83	0.10
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.10
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.11
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.11
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.11
5.80	0.64	0.45	0.06	8.40	1.10	0.88	0.11
5.85	0.65	0.45	0.06	8.45	1.11	0.89	0.11
5.90	0.66	0.46	0.06	8.50	1.12	0.91	0.11
5.95	0.66	0.47	0.07	8.55	1.13	0.92	0.11
6.00	0.67	0.47	0.07	8.60	1.14	0.93	0.11
6.05	0.68	0.48	0.07	8.65	1.15	0.94	0.11
6.10	0.68	0.49	0.07	8.70	1.16	0.95	0.11
6.15	0.69	0.49	0.07	8.75	1.17	0.96	0.11
6.20	0.70	0.50	0.07	8.80	1.19	0.97	0.11
6.25	0.70	0.51	0.07	8.85	1.20	0.98	0.12
6.30	0.71	0.51	0.07	8.90	1.21	0.99	0.12
6.35	0.72	0.52	0.07	8.95	1.22	1.01	0.12
6.40	0.73	0.53	0.07	9.00	1.23	1.02	0.12
6.45	0.73	0.54	0.07	9.05	1.25	1.03	0.12
6.50	0.74	0.54	0.07	9.10	1.26	1.04	0.12
6.55	0.75	0.55	0.08	9.15	1.27	1.05	0.13
6.60	0.76	0.56	0.08	9.20	1.28	1.07	0.13
6.65	0.77	0.57	0.08	9.25	1.30	1.08	0.14
6.70	0.77	0.57	0.08	9.30	1.31	1.09	0.14
6.75	0.78	0.58	0.08	9.35	1.33	1.11	0.14
6.80	0.79	0.59	0.08	9.40	1.34	1.12	0.14
6.85	0.80	0.60	0.08	9.45	1.35	1.14	0.15
6.90	0.81	0.60	0.08	9.50	1.37	1.15	0.15
6.95	0.81	0.61	0.08	9.55	1.39	1.17	0.16
7.00	0.82	0.62	0.08	9.60	1.40	1.18	0.16
7.05	0.83	0.63	0.08	9.65	1.42	1.20	0.16
7.10	0.84	0.64	0.08	9.70	1.43	1.21	0.16
7.15	0.85	0.65	0.09	9.75	1.45	1.23	0.17
7.20	0.86	0.65	0.09	9.80	1.47	1.25	0.17
7.25	0.87	0.66	0.09	9.85	1.49	1.27	0.17
7.30	0.88	0.67	0.09	9.90	1.50	1.28	0.18
7.35	0.89	0.68	0.09	9.95	1.52	1.30	0.18
7.40	0.89	0.69	0.09	10.00	1.54	1.32	0.18
7.45	0.90	0.70	0.09	10.05	1.56	1.34	0.19
7.50	0.91	0.71	0.09	10.10	1.58	1.36	0.19
7.55	0.92	0.72	0.09	10.15	1.60	1.37	0.19
7.60	0.93	0.73	0.09	10.20	1.62	1.39	0.20
7.65	0.94	0.73	0.09	10.25	1.64	1.41	0.20
7.70	0.95	0.74	0.10	10.30	1.66	1.43	0.20
7.75	0.96	0.75	0.10	10.35	1.68	1.45	0.21

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.21	13.00	6.41	6.18	0.39
10.45	1.72	1.50	0.21	13.05	6.45	6.21	0.36
10.50	1.74	1.52	0.22	13.10	6.48	6.24	0.34
10.55	1.76	1.54	0.23	13.15	6.51	6.27	0.33
10.60	1.79	1.56	0.24	13.20	6.54	6.30	0.32
10.65	1.81	1.59	0.26	13.25	6.57	6.33	0.30
10.70	1.84	1.62	0.27	13.30	6.60	6.36	0.29
10.75	1.87	1.64	0.28	13.35	6.63	6.39	0.28
10.80	1.90	1.67	0.29	13.40	6.65	6.41	0.27
10.85	1.93	1.70	0.31	13.45	6.68	6.44	0.25
10.90	1.96	1.73	0.31	13.50	6.70	6.46	0.24
10.95	1.99	1.77	0.33	13.55	6.72	6.48	0.23
11.00	2.03	1.80	0.34	13.60	6.74	6.50	0.22
11.05	2.06	1.84	0.37	13.65	6.76	6.53	0.21
11.10	2.10	1.87	0.39	13.70	6.78	6.55	0.21
11.15	2.14	1.92	0.42	13.75	6.80	6.57	0.21
11.20	2.19	1.96	0.43	13.80	6.82	6.59	0.21
11.25	2.23	2.01	0.46	13.85	6.84	6.61	0.20
11.30	2.28	2.05	0.48	13.90	6.86	6.62	0.20
11.35	2.33	2.10	0.51	13.95	6.88	6.64	0.19
11.40	2.38	2.16	0.52	14.00	6.90	6.66	0.19
11.45	2.44	2.21	0.55	14.05	6.92	6.68	0.19
11.50	2.49	2.26	0.57	14.10	6.94	6.70	0.19
11.55	2.58	2.35	0.76	14.15	6.95	6.72	0.18
11.60	2.66	2.43	0.86	14.20	6.97	6.73	0.18
11.65	2.75	2.52	0.90	14.25	6.99	6.75	0.18
11.70	2.84	2.61	0.92	14.30	7.01	6.77	0.17
11.75	2.97	2.74	1.13	14.35	7.02	6.78	0.17
11.80	3.09	2.86	1.26	14.40	7.04	6.80	0.17
11.85	3.26	3.03	1.57	14.45	7.05	6.82	0.16
11.90	3.43	3.20	1.76	14.50	7.07	6.83	0.16
11.95	3.73	3.49	2.56	14.55	7.09	6.85	0.16
12.00	4.02	3.79	3.02	14.60	7.10	6.86	0.15
12.05	4.52	4.28	4.31	14.65	7.11	6.88	0.15
12.10	5.01	4.77	**4.91**	14.70	7.13	6.89	0.15
12.15	5.18	4.94	2.92	14.75	7.14	6.90	0.14
12.20	5.35	5.11	1.83	14.80	7.16	6.92	0.14
12.25	5.47	5.24	1.44	14.85	7.17	6.93	0.14
12.30	5.60	5.36	1.27	14.90	7.18	6.94	0.13
12.35	5.69	5.45	1.04	14.95	7.19	6.96	0.13
12.40	5.78	5.54	0.93	15.00	7.21	6.97	0.13
12.45	5.86	5.62	0.89	15.05	7.22	6.98	0.12
12.50	5.95	5.71	0.87	15.10	7.23	6.99	0.12
12.55	6.00	5.76	0.67	15.15	7.24	7.00	0.12
12.60	6.06	5.82	0.57	15.20	7.25	7.02	0.12
12.65	6.11	5.87	0.54	15.25	7.27	7.03	0.12
12.70	6.16	5.92	0.53	15.30	7.28	7.04	0.12
12.75	6.21	5.97	0.50	15.35	7.29	7.05	0.12
12.80	6.25	6.02	0.48	15.40	7.30	7.06	0.12
12.85	6.30	6.06	0.45	15.45	7.31	7.07	0.11
12.90	6.34	6.10	0.44	15.50	7.32	7.08	0.11
12.95	6.38	6.14	0.41	15.55	7.33	7.09	0.11

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.11	18.20	7.80	7.56	0.07
15.65	7.36	7.12	0.11	18.25	7.80	7.57	0.07
15.70	7.37	7.13	0.11	18.30	7.81	7.57	0.07
15.75	7.38	7.14	0.11	18.35	7.82	7.58	0.07
15.80	7.39	7.15	0.11	18.40	7.82	7.59	0.07
15.85	7.40	7.16	0.11	18.45	7.83	7.59	0.07
15.90	7.41	7.17	0.11	18.50	7.84	7.60	0.07
15.95	7.42	7.18	0.11	18.55	7.84	7.61	0.07
16.00	7.43	7.19	0.11	18.60	7.85	7.61	0.07
16.05	7.44	7.20	0.10	18.65	7.86	7.62	0.07
16.10	7.45	7.21	0.10	18.70	7.86	7.62	0.07
16.15	7.46	7.22	0.10	18.75	7.87	7.63	0.07
16.20	7.47	7.23	0.10	18.80	7.88	7.64	0.07
16.25	7.48	7.24	0.10	18.85	7.88	7.64	0.07
16.30	7.49	7.25	0.10	18.90	7.89	7.65	0.07
16.35	7.50	7.26	0.10	18.95	7.90	7.66	0.07
16.40	7.51	7.27	0.10	19.00	7.90	7.66	0.07
16.45	7.52	7.28	0.10	19.05	7.91	7.67	0.07
16.50	7.53	7.29	0.10	19.10	7.92	7.68	0.07
16.55	7.54	7.30	0.10	19.15	7.92	7.68	0.06
16.60	7.55	7.31	0.10	19.20	7.93	7.69	0.06
16.65	7.55	7.32	0.09	19.25	7.93	7.70	0.06
16.70	7.56	7.32	0.09	19.30	7.94	7.70	0.06
16.75	7.57	7.33	0.09	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.09	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.09	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.09	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.09	19.55	7.97	7.73	0.06
17.00	7.62	7.38	0.09	19.60	7.98	7.74	0.06
17.05	7.63	7.39	0.09	19.65	7.98	7.74	0.06
17.10	7.63	7.39	0.09	19.70	7.99	7.75	0.06
17.15	7.64	7.40	0.09	19.75	8.00	7.76	0.06
17.20	7.65	7.41	0.09	19.80	8.00	7.76	0.06
17.25	7.66	7.42	0.08	19.85	8.01	7.77	0.06
17.30	7.67	7.43	0.08	19.90	8.01	7.78	0.06
17.35	7.67	7.43	0.08	19.95	8.02	7.78	0.06
17.40	7.68	7.44	0.08	20.00	8.03	7.79	0.06
17.45	7.69	7.45	0.08	20.05	8.03	7.79	0.06
17.50	7.70	7.46	0.08	20.10	8.04	7.80	0.06
17.55	7.71	7.47	0.08	20.15	8.04	7.80	0.06
17.60	7.71	7.47	0.08	20.20	8.05	7.81	0.06
17.65	7.72	7.48	0.08	20.25	8.06	7.82	0.06
17.70	7.73	7.49	0.08	20.30	8.06	7.82	0.06
17.75	7.74	7.50	0.08	20.35	8.07	7.83	0.06
17.80	7.74	7.50	0.07	20.40	8.07	7.83	0.06
17.85	7.75	7.51	0.07	20.45	8.08	7.84	0.06
17.90	7.76	7.52	0.07	20.50	8.09	7.85	0.06
17.95	7.76	7.52	0.07	20.55	8.09	7.85	0.06
18.00	7.77	7.53	0.07	20.60	8.10	7.86	0.06
18.05	7.78	7.54	0.07	20.65	8.10	7.86	0.06
18.10	7.78	7.55	0.07	20.70	8.11	7.87	0.06
18.15	7.79	7.55	0.07	20.75	8.11	7.87	0.06

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.06	23.40	8.38	8.14	0.05
20.85	8.13	7.89	0.06	23.45	8.39	8.15	0.05
20.90	8.13	7.89	0.06	23.50	8.39	8.15	0.05
20.95	8.14	7.90	0.06	23.55	8.40	8.16	0.05
21.00	8.14	7.90	0.06	23.60	8.40	8.16	0.05
21.05	8.15	7.91	0.06	23.65	8.41	8.17	0.05
21.10	8.15	7.91	0.06	23.70	8.41	8.17	0.05
21.15	8.16	7.92	0.06	23.75	8.42	8.18	0.05
21.20	8.16	7.92	0.06	23.80	8.42	8.18	0.04
21.25	8.17	7.93	0.06	23.85	8.42	8.18	0.04
21.30	8.18	7.94	0.06	23.90	8.43	8.19	0.04
21.35	8.18	7.94	0.06	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.06	24.00	**8.44**	**8.20**	0.05
21.45	8.19	7.95	0.06	24.05	8.44	8.20	0.02
21.50	8.20	7.96	0.05	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.05	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.05	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.05	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.05	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.05	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.05	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.05	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.05	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.05	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.05	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.05	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.05	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.05	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.05	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.05	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.05	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.05	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.05	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.05	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.05	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.05	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.05	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.05	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.05	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.05	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

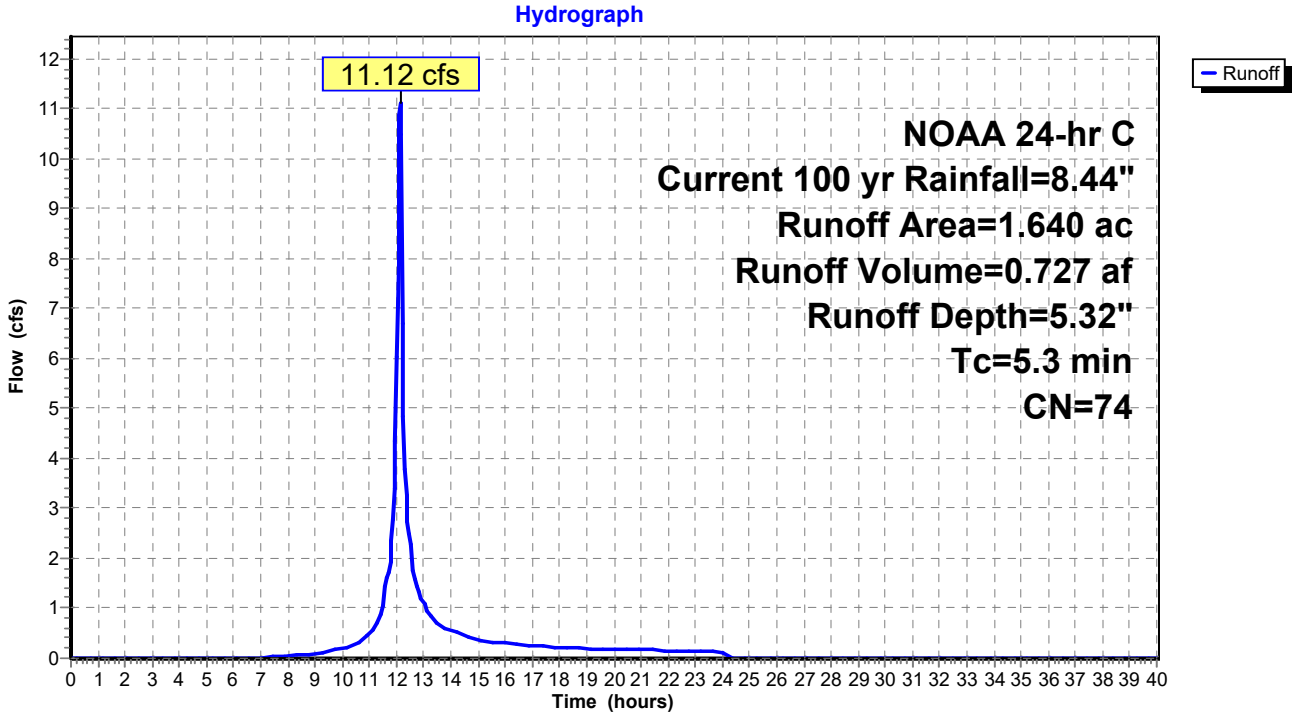
Runoff = 11.12 cfs @ 12.12 hrs, Volume= 0.727 af, Depth= 5.32"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.04
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.04
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.05
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.05
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.05
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.05
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.05
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.06
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.06
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.06
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.06
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.06
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.07
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.07
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.07
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.07
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.07
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.08
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.08
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.08
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.08
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.09
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.09
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.09
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.09
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.10
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.10
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.10
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.11
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.11
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.12
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.12
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.13
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.13
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.14
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.14
7.00	0.82	0.00	0.02	9.60	1.40	0.12	0.15
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.16
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.16
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.17
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.17
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.18
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.19
7.35	0.89	0.01	0.03	9.95	1.52	0.15	0.19
7.40	0.89	0.01	0.03	10.00	1.54	0.16	0.20
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.21
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.22
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.22
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.23
7.65	0.94	0.02	0.04	10.25	1.64	0.20	0.24
7.70	0.95	0.02	0.04	10.30	1.66	0.20	0.24
7.75	0.96	0.02	0.04	10.35	1.68	0.21	0.25

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.26	13.00	6.41	3.54	1.11
10.45	1.72	0.23	0.27	13.05	6.45	3.57	1.05
10.50	1.74	0.24	0.28	13.10	6.48	3.59	0.98
10.55	1.76	0.25	0.29	13.15	6.51	3.62	0.94
10.60	1.79	0.26	0.31	13.20	6.54	3.65	0.90
10.65	1.81	0.27	0.33	13.25	6.57	3.67	0.87
10.70	1.84	0.28	0.35	13.30	6.60	3.70	0.83
10.75	1.87	0.29	0.37	13.35	6.63	3.72	0.80
10.80	1.90	0.30	0.40	13.40	6.65	3.74	0.76
10.85	1.93	0.32	0.42	13.45	6.68	3.76	0.74
10.90	1.96	0.33	0.45	13.50	6.70	3.78	0.70
10.95	1.99	0.35	0.47	13.55	6.72	3.80	0.67
11.00	2.03	0.36	0.50	13.60	6.74	3.82	0.63
11.05	2.06	0.38	0.53	13.65	6.76	3.84	0.61
11.10	2.10	0.40	0.58	13.70	6.78	3.85	0.60
11.15	2.14	0.42	0.62	13.75	6.80	3.87	0.59
11.20	2.19	0.44	0.67	13.80	6.82	3.89	0.58
11.25	2.23	0.46	0.72	13.85	6.84	3.91	0.57
11.30	2.28	0.49	0.77	13.90	6.86	3.92	0.56
11.35	2.33	0.52	0.82	13.95	6.88	3.94	0.56
11.40	2.38	0.54	0.88	14.00	6.90	3.96	0.54
11.45	2.44	0.57	0.92	14.05	6.92	3.97	0.54
11.50	2.49	0.60	0.98	14.10	6.94	3.99	0.53
11.55	2.58	0.65	1.13	14.15	6.95	4.00	0.52
11.60	2.66	0.70	1.45	14.20	6.97	4.02	0.51
11.65	2.75	0.76	1.62	14.25	6.99	4.03	0.50
11.70	2.84	0.81	1.73	14.30	7.01	4.05	0.49
11.75	2.97	0.89	1.94	14.35	7.02	4.06	0.48
11.80	3.09	0.97	2.35	14.40	7.04	4.08	0.47
11.85	3.26	1.08	2.77	14.45	7.05	4.09	0.47
11.90	3.43	1.19	3.42	14.50	7.07	4.10	0.46
11.95	3.73	1.40	4.36	14.55	7.09	4.12	0.45
12.00	4.02	1.61	6.03	14.60	7.10	4.13	0.44
12.05	4.52	1.98	7.91	14.65	7.11	4.14	0.43
12.10	5.01	2.37	**10.87**	14.70	7.13	4.15	0.42
12.15	5.18	2.51	10.49	14.75	7.14	4.17	0.41
12.20	5.35	2.65	6.69	14.80	7.16	4.18	0.40
12.25	5.47	2.75	4.83	14.85	7.17	4.19	0.40
12.30	5.60	2.85	3.80	14.90	7.18	4.20	0.38
12.35	5.69	2.92	3.26	14.95	7.19	4.21	0.38
12.40	5.78	3.00	2.72	15.00	7.21	4.22	0.37
12.45	5.86	3.07	2.50	15.05	7.22	4.23	0.36
12.50	5.95	3.14	2.40	15.10	7.23	4.24	0.35
12.55	6.00	3.19	2.19	15.15	7.24	4.25	0.34
12.60	6.06	3.23	1.76	15.20	7.25	4.26	0.34
12.65	6.11	3.28	1.57	15.25	7.27	4.27	0.34
12.70	6.16	3.32	1.48	15.30	7.28	4.28	0.33
12.75	6.21	3.36	1.42	15.35	7.29	4.29	0.33
12.80	6.25	3.40	1.35	15.40	7.30	4.30	0.33
12.85	6.30	3.44	1.30	15.45	7.31	4.31	0.33
12.90	6.34	3.47	1.23	15.50	7.32	4.32	0.33
12.95	6.38	3.50	1.18	15.55	7.33	4.33	0.32

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.32	18.20	7.80	4.75	0.20
15.65	7.36	4.35	0.32	18.25	7.80	4.75	0.20
15.70	7.37	4.36	0.32	18.30	7.81	4.76	0.20
15.75	7.38	4.37	0.31	18.35	7.82	4.76	0.20
15.80	7.39	4.38	0.31	18.40	7.82	4.77	0.20
15.85	7.40	4.39	0.31	18.45	7.83	4.78	0.20
15.90	7.41	4.40	0.31	18.50	7.84	4.78	0.20
15.95	7.42	4.41	0.31	18.55	7.84	4.79	0.20
16.00	7.43	4.42	0.30	18.60	7.85	4.79	0.19
16.05	7.44	4.43	0.30	18.65	7.86	4.80	0.19
16.10	7.45	4.44	0.30	18.70	7.86	4.80	0.19
16.15	7.46	4.44	0.30	18.75	7.87	4.81	0.19
16.20	7.47	4.45	0.29	18.80	7.88	4.82	0.19
16.25	7.48	4.46	0.29	18.85	7.88	4.82	0.19
16.30	7.49	4.47	0.29	18.90	7.89	4.83	0.19
16.35	7.50	4.48	0.29	18.95	7.90	4.83	0.19
16.40	7.51	4.49	0.28	19.00	7.90	4.84	0.19
16.45	7.52	4.50	0.28	19.05	7.91	4.84	0.19
16.50	7.53	4.50	0.28	19.10	7.92	4.85	0.19
16.55	7.54	4.51	0.28	19.15	7.92	4.86	0.19
16.60	7.55	4.52	0.27	19.20	7.93	4.86	0.19
16.65	7.55	4.53	0.27	19.25	7.93	4.87	0.19
16.70	7.56	4.54	0.27	19.30	7.94	4.87	0.19
16.75	7.57	4.55	0.27	19.35	7.95	4.88	0.19
16.80	7.58	4.55	0.26	19.40	7.95	4.88	0.18
16.85	7.59	4.56	0.26	19.45	7.96	4.89	0.18
16.90	7.60	4.57	0.26	19.50	7.97	4.90	0.18
16.95	7.61	4.58	0.26	19.55	7.97	4.90	0.18
17.00	7.62	4.58	0.25	19.60	7.98	4.91	0.18
17.05	7.63	4.59	0.25	19.65	7.98	4.91	0.18
17.10	7.63	4.60	0.25	19.70	7.99	4.92	0.18
17.15	7.64	4.61	0.25	19.75	8.00	4.92	0.18
17.20	7.65	4.61	0.25	19.80	8.00	4.93	0.18
17.25	7.66	4.62	0.24	19.85	8.01	4.93	0.18
17.30	7.67	4.63	0.24	19.90	8.01	4.94	0.18
17.35	7.67	4.64	0.24	19.95	8.02	4.94	0.18
17.40	7.68	4.64	0.24	20.00	8.03	4.95	0.18
17.45	7.69	4.65	0.23	20.05	8.03	4.96	0.18
17.50	7.70	4.66	0.23	20.10	8.04	4.96	0.18
17.55	7.71	4.66	0.23	20.15	8.04	4.97	0.18
17.60	7.71	4.67	0.23	20.20	8.05	4.97	0.18
17.65	7.72	4.68	0.22	20.25	8.06	4.98	0.17
17.70	7.73	4.68	0.22	20.30	8.06	4.98	0.17
17.75	7.74	4.69	0.22	20.35	8.07	4.99	0.17
17.80	7.74	4.70	0.22	20.40	8.07	4.99	0.17
17.85	7.75	4.70	0.21	20.45	8.08	5.00	0.17
17.90	7.76	4.71	0.21	20.50	8.09	5.00	0.17
17.95	7.76	4.72	0.21	20.55	8.09	5.01	0.17
18.00	7.77	4.72	0.21	20.60	8.10	5.01	0.17
18.05	7.78	4.73	0.20	20.65	8.10	5.02	0.17
18.10	7.78	4.73	0.20	20.70	8.11	5.02	0.17
18.15	7.79	4.74	0.20	20.75	8.11	5.03	0.17

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.17	23.40	8.38	5.27	0.14
20.85	8.13	5.04	0.17	23.45	8.39	5.28	0.14
20.90	8.13	5.04	0.17	23.50	8.39	5.28	0.14
20.95	8.14	5.05	0.17	23.55	8.40	5.28	0.13
21.00	8.14	5.05	0.17	23.60	8.40	5.29	0.13
21.05	8.15	5.06	0.17	23.65	8.41	5.29	0.13
21.10	8.15	5.06	0.16	23.70	8.41	5.30	0.13
21.15	8.16	5.07	0.16	23.75	8.42	5.30	0.13
21.20	8.16	5.07	0.16	23.80	8.42	5.30	0.13
21.25	8.17	5.08	0.16	23.85	8.42	5.31	0.13
21.30	8.18	5.08	0.16	23.90	8.43	5.31	0.13
21.35	8.18	5.09	0.16	23.95	8.43	5.32	0.14
21.40	8.19	5.09	0.16	24.00	**8.44**	**5.32**	0.15
21.45	8.19	5.10	0.16	24.05	8.44	5.32	0.12
21.50	8.20	5.10	0.16	24.10	8.44	5.32	0.04
21.55	8.20	5.11	0.16	24.15	8.44	5.32	0.01
21.60	8.21	5.11	0.16	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.16	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.16	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.16	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.16	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.16	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.15	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.15	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.15	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.15	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.15	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.15	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.15	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.15	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.15	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.15	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.15	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.15	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.15	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.15	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.15	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.15	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.15	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.14	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.14	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.14	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.14	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.14	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.14	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.14	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.14	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.14	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.14	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.14	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.14	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.14	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

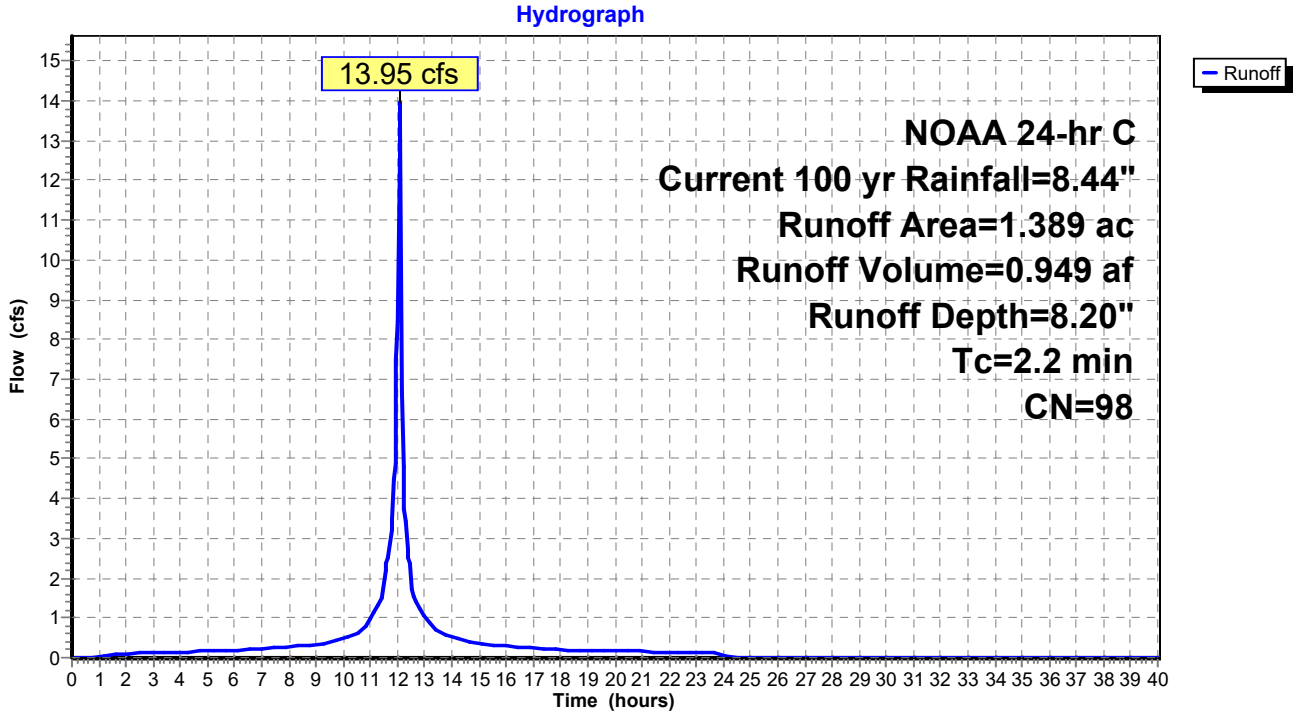
Runoff = 13.95 cfs @ 12.08 hrs, Volume= 0.949 af, Depth= 8.20"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.11
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.12
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.12
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.12
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.12
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.12
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.12
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.12
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.12
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.13
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.13
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.13
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.13
0.65	0.06	0.00	0.02	3.25	0.33	0.17	0.13
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.13
0.75	0.07	0.00	0.03	3.35	0.34	0.18	0.13
0.80	0.07	0.00	0.03	3.40	0.34	0.18	0.13
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.14
0.90	0.08	0.01	0.04	3.50	0.35	0.19	0.14
0.95	0.09	0.01	0.04	3.55	0.36	0.19	0.14
1.00	0.09	0.01	0.05	3.60	0.37	0.20	0.14
1.05	0.10	0.01	0.05	3.65	0.37	0.20	0.14
1.10	0.10	0.01	0.05	3.70	0.38	0.21	0.14
1.15	0.11	0.02	0.06	3.75	0.38	0.21	0.14
1.20	0.11	0.02	0.06	3.80	0.39	0.22	0.14
1.25	0.12	0.02	0.06	3.85	0.40	0.22	0.14
1.30	0.12	0.02	0.06	3.90	0.40	0.23	0.14
1.35	0.13	0.02	0.07	3.95	0.41	0.24	0.14
1.40	0.13	0.03	0.07	4.00	0.41	0.24	0.15
1.45	0.14	0.03	0.07	4.05	0.42	0.25	0.15
1.50	0.14	0.03	0.07	4.10	0.43	0.25	0.15
1.55	0.15	0.04	0.08	4.15	0.43	0.26	0.15
1.60	0.15	0.04	0.08	4.20	0.44	0.26	0.15
1.65	0.16	0.04	0.08	4.25	0.44	0.27	0.15
1.70	0.16	0.04	0.08	4.30	0.45	0.27	0.15
1.75	0.17	0.05	0.09	4.35	0.46	0.28	0.15
1.80	0.17	0.05	0.09	4.40	0.46	0.28	0.15
1.85	0.18	0.05	0.09	4.45	0.47	0.29	0.15
1.90	0.18	0.06	0.09	4.50	0.47	0.29	0.15
1.95	0.19	0.06	0.09	4.55	0.48	0.30	0.16
2.00	0.19	0.06	0.09	4.60	0.49	0.31	0.16
2.05	0.20	0.07	0.10	4.65	0.49	0.31	0.16
2.10	0.20	0.07	0.10	4.70	0.50	0.32	0.16
2.15	0.21	0.07	0.10	4.75	0.51	0.32	0.16
2.20	0.21	0.08	0.10	4.80	0.51	0.33	0.16
2.25	0.22	0.08	0.10	4.85	0.52	0.33	0.16
2.30	0.22	0.09	0.11	4.90	0.52	0.34	0.16
2.35	0.23	0.09	0.11	4.95	0.53	0.35	0.16
2.40	0.23	0.09	0.11	5.00	0.54	0.35	0.16
2.45	0.24	0.10	0.11	5.05	0.54	0.36	0.16
2.50	0.24	0.10	0.11	5.10	0.55	0.36	0.16
2.55	0.25	0.10	0.11	5.15	0.56	0.37	0.17

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.17	7.80	0.97	0.76	0.27
5.25	0.57	0.38	0.17	7.85	0.98	0.77	0.27
5.30	0.58	0.39	0.17	7.90	0.99	0.78	0.27
5.35	0.58	0.39	0.17	7.95	1.00	0.79	0.28
5.40	0.59	0.40	0.17	8.00	1.01	0.80	0.28
5.45	0.60	0.41	0.17	8.05	1.02	0.81	0.28
5.50	0.60	0.41	0.17	8.10	1.03	0.82	0.28
5.55	0.61	0.42	0.17	8.15	1.04	0.83	0.28
5.60	0.62	0.42	0.17	8.20	1.05	0.84	0.29
5.65	0.62	0.43	0.17	8.25	1.06	0.85	0.29
5.70	0.63	0.44	0.17	8.30	1.07	0.86	0.29
5.75	0.64	0.44	0.18	8.35	1.08	0.87	0.29
5.80	0.64	0.45	0.18	8.40	1.10	0.88	0.29
5.85	0.65	0.45	0.18	8.45	1.11	0.89	0.30
5.90	0.66	0.46	0.18	8.50	1.12	0.91	0.30
5.95	0.66	0.47	0.18	8.55	1.13	0.92	0.30
6.00	0.67	0.47	0.18	8.60	1.14	0.93	0.30
6.05	0.68	0.48	0.18	8.65	1.15	0.94	0.31
6.10	0.68	0.49	0.18	8.70	1.16	0.95	0.31
6.15	0.69	0.49	0.19	8.75	1.17	0.96	0.31
6.20	0.70	0.50	0.19	8.80	1.19	0.97	0.31
6.25	0.70	0.51	0.19	8.85	1.20	0.98	0.32
6.30	0.71	0.51	0.19	8.90	1.21	0.99	0.32
6.35	0.72	0.52	0.20	8.95	1.22	1.01	0.32
6.40	0.73	0.53	0.20	9.00	1.23	1.02	0.33
6.45	0.73	0.54	0.20	9.05	1.25	1.03	0.34
6.50	0.74	0.54	0.20	9.10	1.26	1.04	0.34
6.55	0.75	0.55	0.21	9.15	1.27	1.05	0.36
6.60	0.76	0.56	0.21	9.20	1.28	1.07	0.36
6.65	0.77	0.57	0.21	9.25	1.30	1.08	0.37
6.70	0.77	0.57	0.21	9.30	1.31	1.09	0.38
6.75	0.78	0.58	0.22	9.35	1.33	1.11	0.39
6.80	0.79	0.59	0.22	9.40	1.34	1.12	0.40
6.85	0.80	0.60	0.22	9.45	1.35	1.14	0.41
6.90	0.81	0.60	0.22	9.50	1.37	1.15	0.41
6.95	0.81	0.61	0.23	9.55	1.39	1.17	0.43
7.00	0.82	0.62	0.23	9.60	1.40	1.18	0.43
7.05	0.83	0.63	0.23	9.65	1.42	1.20	0.44
7.10	0.84	0.64	0.23	9.70	1.43	1.21	0.45
7.15	0.85	0.65	0.24	9.75	1.45	1.23	0.46
7.20	0.86	0.65	0.24	9.80	1.47	1.25	0.47
7.25	0.87	0.66	0.24	9.85	1.49	1.27	0.48
7.30	0.88	0.67	0.24	9.90	1.50	1.28	0.48
7.35	0.89	0.68	0.25	9.95	1.52	1.30	0.50
7.40	0.89	0.69	0.25	10.00	1.54	1.32	0.50
7.45	0.90	0.70	0.25	10.05	1.56	1.34	0.51
7.50	0.91	0.71	0.25	10.10	1.58	1.36	0.52
7.55	0.92	0.72	0.25	10.15	1.60	1.37	0.53
7.60	0.93	0.73	0.26	10.20	1.62	1.39	0.54
7.65	0.94	0.73	0.26	10.25	1.64	1.41	0.55
7.70	0.95	0.74	0.26	10.30	1.66	1.43	0.55
7.75	0.96	0.75	0.26	10.35	1.68	1.45	0.57

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.57	13.00	6.41	6.18	1.06
10.45	1.72	1.50	0.59	13.05	6.45	6.21	0.96
10.50	1.74	1.52	0.59	13.10	6.48	6.24	0.93
10.55	1.76	1.54	0.64	13.15	6.51	6.27	0.88
10.60	1.79	1.56	0.66	13.20	6.54	6.30	0.87
10.65	1.81	1.59	0.71	13.25	6.57	6.33	0.82
10.70	1.84	1.62	0.73	13.30	6.60	6.36	0.80
10.75	1.87	1.64	0.78	13.35	6.63	6.39	0.75
10.80	1.90	1.67	0.80	13.40	6.65	6.41	0.73
10.85	1.93	1.70	0.85	13.45	6.68	6.44	0.68
10.90	1.96	1.73	0.86	13.50	6.70	6.46	0.66
10.95	1.99	1.77	0.91	13.55	6.72	6.48	0.61
11.00	2.03	1.80	0.93	13.60	6.74	6.50	0.60
11.05	2.06	1.84	1.03	13.65	6.76	6.53	0.58
11.10	2.10	1.87	1.06	13.70	6.78	6.55	0.58
11.15	2.14	1.92	1.15	13.75	6.80	6.57	0.56
11.20	2.19	1.96	1.19	13.80	6.82	6.59	0.56
11.25	2.23	2.01	1.28	13.85	6.84	6.61	0.55
11.30	2.28	2.05	1.31	13.90	6.86	6.62	0.54
11.35	2.33	2.10	1.41	13.95	6.88	6.64	0.53
11.40	2.38	2.16	1.44	14.00	6.90	6.66	0.52
11.45	2.44	2.21	1.51	14.05	6.92	6.68	0.51
11.50	2.49	2.26	1.57	14.10	6.94	6.70	0.51
11.55	2.58	2.35	2.20	14.15	6.95	6.72	0.49
11.60	2.66	2.43	2.38	14.20	6.97	6.73	0.49
11.65	2.75	2.52	2.48	14.25	6.99	6.75	0.48
11.70	2.84	2.61	2.54	14.30	7.01	6.77	0.47
11.75	2.97	2.74	3.23	14.35	7.02	6.78	0.46
11.80	3.09	2.86	3.48	14.40	7.04	6.80	0.45
11.85	3.26	3.03	4.48	14.45	7.05	6.82	0.44
11.90	3.43	3.20	4.90	14.50	7.07	6.83	0.44
11.95	3.73	3.49	7.50	14.55	7.09	6.85	0.42
12.00	4.02	3.79	8.45	14.60	7.10	6.86	0.42
12.05	4.52	4.28	12.58	14.65	7.11	6.88	0.41
12.10	5.01	4.77	**13.37**	14.70	7.13	6.89	0.40
12.15	5.18	4.94	6.70	14.75	7.14	6.90	0.39
12.20	5.35	5.11	4.78	14.80	7.16	6.92	0.38
12.25	5.47	5.24	3.73	14.85	7.17	6.93	0.37
12.30	5.60	5.36	3.42	14.90	7.18	6.94	0.37
12.35	5.69	5.45	2.71	14.95	7.19	6.96	0.35
12.40	5.78	5.54	2.51	15.00	7.21	6.97	0.35
12.45	5.86	5.62	2.41	15.05	7.22	6.98	0.34
12.50	5.95	5.71	2.35	15.10	7.23	6.99	0.33
12.55	6.00	5.76	1.72	15.15	7.24	7.00	0.33
12.60	6.06	5.82	1.54	15.20	7.25	7.02	0.33
12.65	6.11	5.87	1.46	15.25	7.27	7.03	0.32
12.70	6.16	5.92	1.44	15.30	7.28	7.04	0.32
12.75	6.21	5.97	1.34	15.35	7.29	7.05	0.32
12.80	6.25	6.02	1.31	15.40	7.30	7.06	0.32
12.85	6.30	6.06	1.22	15.45	7.31	7.07	0.31
12.90	6.34	6.10	1.19	15.50	7.32	7.08	0.31
12.95	6.38	6.14	1.09	15.55	7.33	7.09	0.31

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.31	18.20	7.80	7.56	0.19
15.65	7.36	7.12	0.30	18.25	7.80	7.57	0.19
15.70	7.37	7.13	0.30	18.30	7.81	7.57	0.19
15.75	7.38	7.14	0.30	18.35	7.82	7.58	0.19
15.80	7.39	7.15	0.30	18.40	7.82	7.59	0.19
15.85	7.40	7.16	0.29	18.45	7.83	7.59	0.19
15.90	7.41	7.17	0.29	18.50	7.84	7.60	0.19
15.95	7.42	7.18	0.29	18.55	7.84	7.61	0.18
16.00	7.43	7.19	0.29	18.60	7.85	7.61	0.18
16.05	7.44	7.20	0.29	18.65	7.86	7.62	0.18
16.10	7.45	7.21	0.28	18.70	7.86	7.62	0.18
16.15	7.46	7.22	0.28	18.75	7.87	7.63	0.18
16.20	7.47	7.23	0.28	18.80	7.88	7.64	0.18
16.25	7.48	7.24	0.28	18.85	7.88	7.64	0.18
16.30	7.49	7.25	0.27	18.90	7.89	7.65	0.18
16.35	7.50	7.26	0.27	18.95	7.90	7.66	0.18
16.40	7.51	7.27	0.27	19.00	7.90	7.66	0.18
16.45	7.52	7.28	0.27	19.05	7.91	7.67	0.18
16.50	7.53	7.29	0.26	19.10	7.92	7.68	0.18
16.55	7.54	7.30	0.26	19.15	7.92	7.68	0.18
16.60	7.55	7.31	0.26	19.20	7.93	7.69	0.18
16.65	7.55	7.32	0.26	19.25	7.93	7.70	0.18
16.70	7.56	7.32	0.26	19.30	7.94	7.70	0.18
16.75	7.57	7.33	0.25	19.35	7.95	7.71	0.18
16.80	7.58	7.34	0.25	19.40	7.95	7.71	0.17
16.85	7.59	7.35	0.25	19.45	7.96	7.72	0.17
16.90	7.60	7.36	0.25	19.50	7.97	7.73	0.17
16.95	7.61	7.37	0.24	19.55	7.97	7.73	0.17
17.00	7.62	7.38	0.24	19.60	7.98	7.74	0.17
17.05	7.63	7.39	0.24	19.65	7.98	7.74	0.17
17.10	7.63	7.39	0.24	19.70	7.99	7.75	0.17
17.15	7.64	7.40	0.23	19.75	8.00	7.76	0.17
17.20	7.65	7.41	0.23	19.80	8.00	7.76	0.17
17.25	7.66	7.42	0.23	19.85	8.01	7.77	0.17
17.30	7.67	7.43	0.23	19.90	8.01	7.78	0.17
17.35	7.67	7.43	0.22	19.95	8.02	7.78	0.17
17.40	7.68	7.44	0.22	20.00	8.03	7.79	0.17
17.45	7.69	7.45	0.22	20.05	8.03	7.79	0.17
17.50	7.70	7.46	0.22	20.10	8.04	7.80	0.17
17.55	7.71	7.47	0.21	20.15	8.04	7.80	0.17
17.60	7.71	7.47	0.21	20.20	8.05	7.81	0.17
17.65	7.72	7.48	0.21	20.25	8.06	7.82	0.16
17.70	7.73	7.49	0.21	20.30	8.06	7.82	0.16
17.75	7.74	7.50	0.21	20.35	8.07	7.83	0.16
17.80	7.74	7.50	0.20	20.40	8.07	7.83	0.16
17.85	7.75	7.51	0.20	20.45	8.08	7.84	0.16
17.90	7.76	7.52	0.20	20.50	8.09	7.85	0.16
17.95	7.76	7.52	0.20	20.55	8.09	7.85	0.16
18.00	7.77	7.53	0.19	20.60	8.10	7.86	0.16
18.05	7.78	7.54	0.19	20.65	8.10	7.86	0.16
18.10	7.78	7.55	0.19	20.70	8.11	7.87	0.16
18.15	7.79	7.55	0.19	20.75	8.11	7.87	0.16

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.16	23.40	8.38	8.14	0.13
20.85	8.13	7.89	0.16	23.45	8.39	8.15	0.13
20.90	8.13	7.89	0.16	23.50	8.39	8.15	0.13
20.95	8.14	7.90	0.16	23.55	8.40	8.16	0.13
21.00	8.14	7.90	0.16	23.60	8.40	8.16	0.13
21.05	8.15	7.91	0.16	23.65	8.41	8.17	0.13
21.10	8.15	7.91	0.15	23.70	8.41	8.17	0.13
21.15	8.16	7.92	0.15	23.75	8.42	8.18	0.12
21.20	8.16	7.92	0.15	23.80	8.42	8.18	0.12
21.25	8.17	7.93	0.15	23.85	8.42	8.18	0.12
21.30	8.18	7.94	0.15	23.90	8.43	8.19	0.12
21.35	8.18	7.94	0.15	23.95	8.43	8.19	0.14
21.40	8.19	7.95	0.15	24.00	**8.44**	**8.20**	0.14
21.45	8.19	7.95	0.15	24.05	8.44	8.20	0.03
21.50	8.20	7.96	0.15	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.15	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.15	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.15	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.15	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.15	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.15	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.15	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.15	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.14	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.14	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.14	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.14	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.14	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.14	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.14	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.14	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.14	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.14	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.14	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.14	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.14	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.14	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.14	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.14	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.13	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.13	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.13	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.13	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.13	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.13	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.13	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.13	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.13	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.13	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.13	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.13	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.13	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

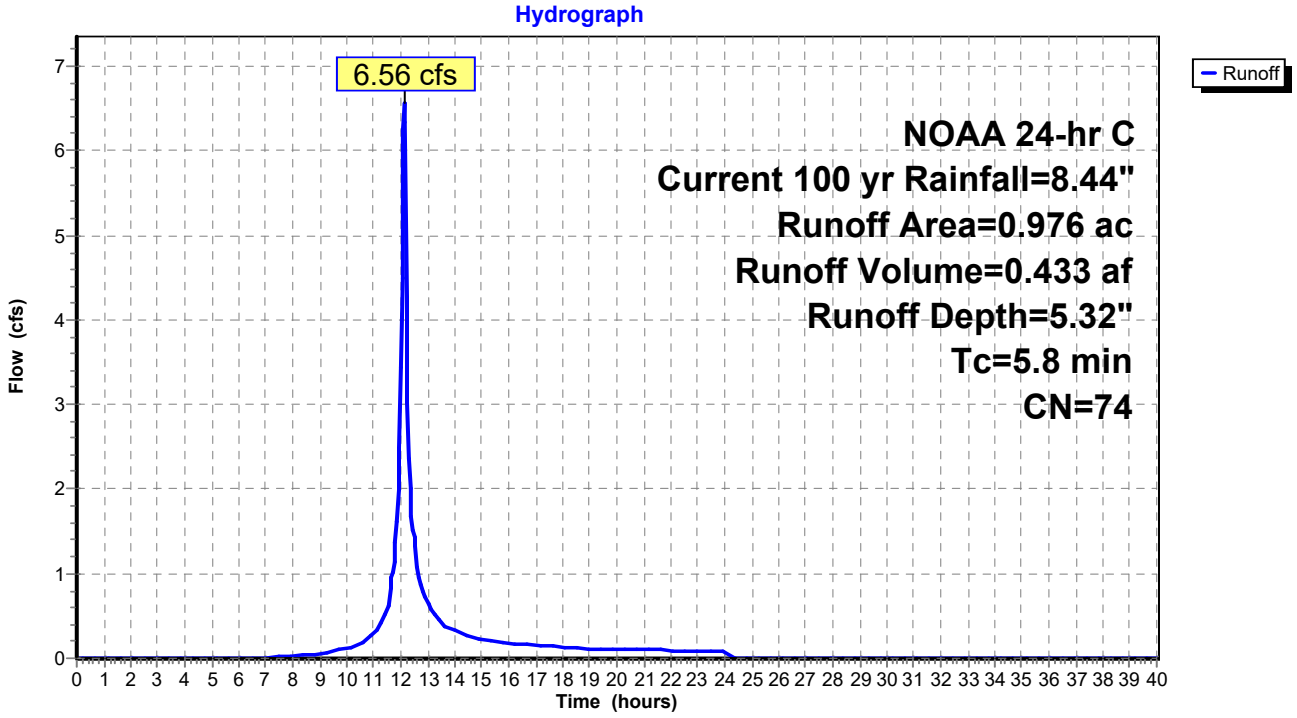
Runoff = 6.56 cfs @ 12.13 hrs, Volume= 0.433 af, Depth= 5.32"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.06
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.07
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.07
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.07
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.08
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.09
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.09
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.09
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.10
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.10
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.10
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.11
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.11
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.12
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.12
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.12
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.13
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.13
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.14
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.14
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.14
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.15

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.15	13.00	6.41	3.54	0.67
10.45	1.72	0.23	0.16	13.05	6.45	3.57	0.63
10.50	1.74	0.24	0.16	13.10	6.48	3.59	0.59
10.55	1.76	0.25	0.17	13.15	6.51	3.62	0.56
10.60	1.79	0.26	0.18	13.20	6.54	3.65	0.54
10.65	1.81	0.27	0.19	13.25	6.57	3.67	0.52
10.70	1.84	0.28	0.21	13.30	6.60	3.70	0.50
10.75	1.87	0.29	0.22	13.35	6.63	3.72	0.48
10.80	1.90	0.30	0.24	13.40	6.65	3.74	0.46
10.85	1.93	0.32	0.25	13.45	6.68	3.76	0.44
10.90	1.96	0.33	0.26	13.50	6.70	3.78	0.42
10.95	1.99	0.35	0.28	13.55	6.72	3.80	0.40
11.00	2.03	0.36	0.29	13.60	6.74	3.82	0.38
11.05	2.06	0.38	0.31	13.65	6.76	3.84	0.37
11.10	2.10	0.40	0.34	13.70	6.78	3.85	0.36
11.15	2.14	0.42	0.36	13.75	6.80	3.87	0.35
11.20	2.19	0.44	0.39	13.80	6.82	3.89	0.35
11.25	2.23	0.46	0.42	13.85	6.84	3.91	0.34
11.30	2.28	0.49	0.45	13.90	6.86	3.92	0.34
11.35	2.33	0.52	0.48	13.95	6.88	3.94	0.33
11.40	2.38	0.54	0.52	14.00	6.90	3.96	0.33
11.45	2.44	0.57	0.55	14.05	6.92	3.97	0.32
11.50	2.49	0.60	0.58	14.10	6.94	3.99	0.31
11.55	2.58	0.65	0.66	14.15	6.95	4.00	0.31
11.60	2.66	0.70	0.84	14.20	6.97	4.02	0.30
11.65	2.75	0.76	0.95	14.25	6.99	4.03	0.30
11.70	2.84	0.81	1.02	14.30	7.01	4.05	0.29
11.75	2.97	0.89	1.13	14.35	7.02	4.06	0.29
11.80	3.09	0.97	1.36	14.40	7.04	4.08	0.28
11.85	3.26	1.08	1.61	14.45	7.05	4.09	0.28
11.90	3.43	1.19	1.98	14.50	7.07	4.10	0.27
11.95	3.73	1.40	2.49	14.55	7.09	4.12	0.27
12.00	4.02	1.61	3.45	14.60	7.10	4.13	0.26
12.05	4.52	1.98	4.50	14.65	7.11	4.14	0.26
12.10	5.01	2.37	6.23	14.70	7.13	4.15	0.25
12.15	5.18	2.51	**6.35**	14.75	7.14	4.17	0.25
12.20	5.35	2.65	4.27	14.80	7.16	4.18	0.24
12.25	5.47	2.75	3.03	14.85	7.17	4.19	0.24
12.30	5.60	2.85	2.36	14.90	7.18	4.20	0.23
12.35	5.69	2.92	2.00	14.95	7.19	4.21	0.22
12.40	5.78	3.00	1.67	15.00	7.21	4.22	0.22
12.45	5.86	3.07	1.51	15.05	7.22	4.23	0.21
12.50	5.95	3.14	1.44	15.10	7.23	4.24	0.21
12.55	6.00	3.19	1.33	15.15	7.24	4.25	0.21
12.60	6.06	3.23	1.08	15.20	7.25	4.26	0.20
12.65	6.11	3.28	0.95	15.25	7.27	4.27	0.20
12.70	6.16	3.32	0.89	15.30	7.28	4.28	0.20
12.75	6.21	3.36	0.85	15.35	7.29	4.29	0.20
12.80	6.25	3.40	0.81	15.40	7.30	4.30	0.20
12.85	6.30	3.44	0.78	15.45	7.31	4.31	0.20
12.90	6.34	3.47	0.74	15.50	7.32	4.32	0.19
12.95	6.38	3.50	0.71	15.55	7.33	4.33	0.19

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.19	18.20	7.80	4.75	0.12
15.65	7.36	4.35	0.19	18.25	7.80	4.75	0.12
15.70	7.37	4.36	0.19	18.30	7.81	4.76	0.12
15.75	7.38	4.37	0.19	18.35	7.82	4.76	0.12
15.80	7.39	4.38	0.19	18.40	7.82	4.77	0.12
15.85	7.40	4.39	0.18	18.45	7.83	4.78	0.12
15.90	7.41	4.40	0.18	18.50	7.84	4.78	0.12
15.95	7.42	4.41	0.18	18.55	7.84	4.79	0.12
16.00	7.43	4.42	0.18	18.60	7.85	4.79	0.12
16.05	7.44	4.43	0.18	18.65	7.86	4.80	0.12
16.10	7.45	4.44	0.18	18.70	7.86	4.80	0.12
16.15	7.46	4.44	0.18	18.75	7.87	4.81	0.11
16.20	7.47	4.45	0.17	18.80	7.88	4.82	0.11
16.25	7.48	4.46	0.17	18.85	7.88	4.82	0.11
16.30	7.49	4.47	0.17	18.90	7.89	4.83	0.11
16.35	7.50	4.48	0.17	18.95	7.90	4.83	0.11
16.40	7.51	4.49	0.17	19.00	7.90	4.84	0.11
16.45	7.52	4.50	0.17	19.05	7.91	4.84	0.11
16.50	7.53	4.50	0.17	19.10	7.92	4.85	0.11
16.55	7.54	4.51	0.16	19.15	7.92	4.86	0.11
16.60	7.55	4.52	0.16	19.20	7.93	4.86	0.11
16.65	7.55	4.53	0.16	19.25	7.93	4.87	0.11
16.70	7.56	4.54	0.16	19.30	7.94	4.87	0.11
16.75	7.57	4.55	0.16	19.35	7.95	4.88	0.11
16.80	7.58	4.55	0.16	19.40	7.95	4.88	0.11
16.85	7.59	4.56	0.16	19.45	7.96	4.89	0.11
16.90	7.60	4.57	0.15	19.50	7.97	4.90	0.11
16.95	7.61	4.58	0.15	19.55	7.97	4.90	0.11
17.00	7.62	4.58	0.15	19.60	7.98	4.91	0.11
17.05	7.63	4.59	0.15	19.65	7.98	4.91	0.11
17.10	7.63	4.60	0.15	19.70	7.99	4.92	0.11
17.15	7.64	4.61	0.15	19.75	8.00	4.92	0.11
17.20	7.65	4.61	0.15	19.80	8.00	4.93	0.11
17.25	7.66	4.62	0.14	19.85	8.01	4.93	0.11
17.30	7.67	4.63	0.14	19.90	8.01	4.94	0.11
17.35	7.67	4.64	0.14	19.95	8.02	4.94	0.11
17.40	7.68	4.64	0.14	20.00	8.03	4.95	0.11
17.45	7.69	4.65	0.14	20.05	8.03	4.96	0.11
17.50	7.70	4.66	0.14	20.10	8.04	4.96	0.11
17.55	7.71	4.66	0.14	20.15	8.04	4.97	0.10
17.60	7.71	4.67	0.13	20.20	8.05	4.97	0.10
17.65	7.72	4.68	0.13	20.25	8.06	4.98	0.10
17.70	7.73	4.68	0.13	20.30	8.06	4.98	0.10
17.75	7.74	4.69	0.13	20.35	8.07	4.99	0.10
17.80	7.74	4.70	0.13	20.40	8.07	4.99	0.10
17.85	7.75	4.70	0.13	20.45	8.08	5.00	0.10
17.90	7.76	4.71	0.13	20.50	8.09	5.00	0.10
17.95	7.76	4.72	0.12	20.55	8.09	5.01	0.10
18.00	7.77	4.72	0.12	20.60	8.10	5.01	0.10
18.05	7.78	4.73	0.12	20.65	8.10	5.02	0.10
18.10	7.78	4.73	0.12	20.70	8.11	5.02	0.10
18.15	7.79	4.74	0.12	20.75	8.11	5.03	0.10

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.10	23.40	8.38	5.27	0.08
20.85	8.13	5.04	0.10	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.10	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.10	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.10	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.10	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.10	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.10	23.95	8.43	5.32	0.08
21.40	8.19	5.09	0.10	24.00	**8.44**	**5.32**	0.09
21.45	8.19	5.10	0.10	24.05	8.44	5.32	0.08
21.50	8.20	5.10	0.10	24.10	8.44	5.32	0.03
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.01
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.09	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.09	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.09	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.09	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.09	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.09	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.09	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.09	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.09	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.09	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.09	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.09	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.09	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.09	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.09	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.08	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.08	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.08	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.08	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 16AI: PDA-16A (impervious)

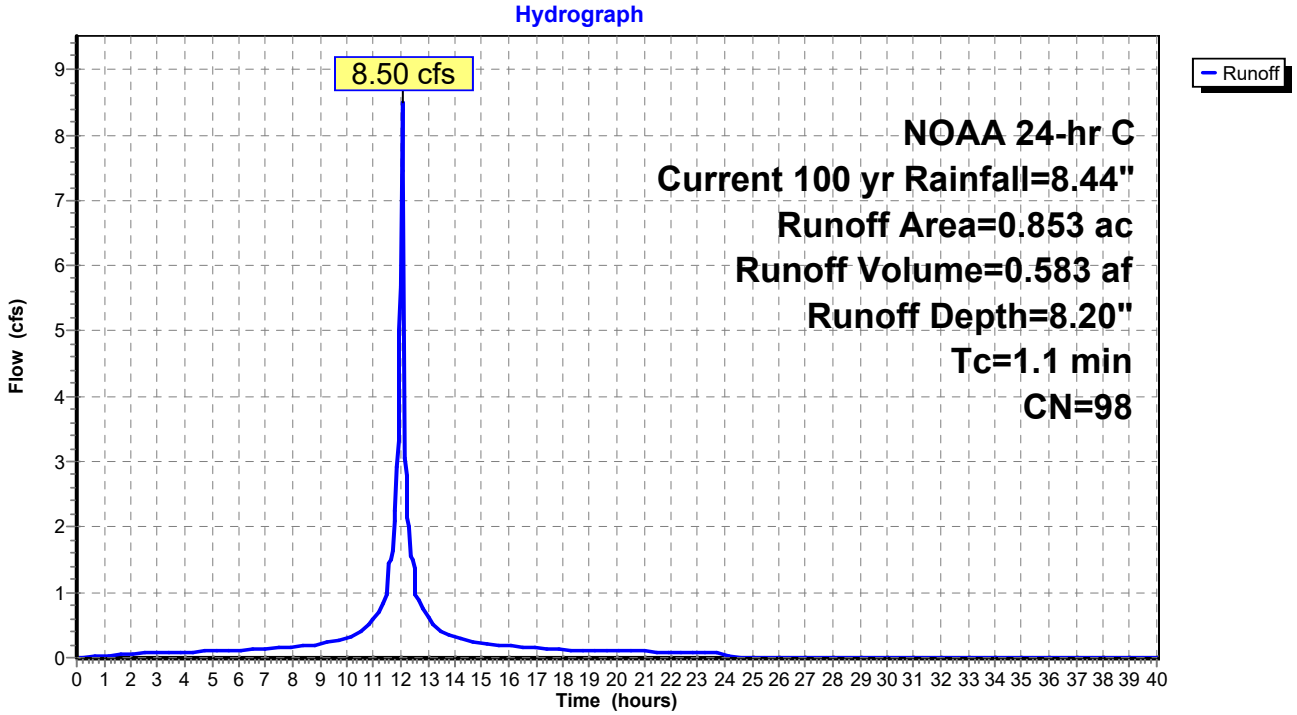
Runoff = 8.50 cfs @ 12.06 hrs, Volume= 0.583 af, Depth= 8.20"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 16AI: PDA-16A (impervious)



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.07
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.07
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.07
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.07
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.07
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.07
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.08
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.08
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.08
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.08
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.08
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.08
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.08
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.08
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.08
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.08
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.08
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.08
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.08
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.09
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.09
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.09
1.20	0.11	0.02	0.04	3.80	0.39	0.22	0.09
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.09
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.09
1.35	0.13	0.02	0.04	3.95	0.41	0.24	0.09
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.09
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.09
1.50	0.14	0.03	0.05	4.10	0.43	0.25	0.09
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.09
1.60	0.15	0.04	0.05	4.20	0.44	0.26	0.09
1.65	0.16	0.04	0.05	4.25	0.44	0.27	0.09
1.70	0.16	0.04	0.05	4.30	0.45	0.27	0.09
1.75	0.17	0.05	0.05	4.35	0.46	0.28	0.09
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.09
1.85	0.18	0.05	0.06	4.45	0.47	0.29	0.09
1.90	0.18	0.06	0.06	4.50	0.47	0.29	0.10
1.95	0.19	0.06	0.06	4.55	0.48	0.30	0.10
2.00	0.19	0.06	0.06	4.60	0.49	0.31	0.10
2.05	0.20	0.07	0.06	4.65	0.49	0.31	0.10
2.10	0.20	0.07	0.06	4.70	0.50	0.32	0.10
2.15	0.21	0.07	0.06	4.75	0.51	0.32	0.10
2.20	0.21	0.08	0.06	4.80	0.51	0.33	0.10
2.25	0.22	0.08	0.06	4.85	0.52	0.33	0.10
2.30	0.22	0.09	0.07	4.90	0.52	0.34	0.10
2.35	0.23	0.09	0.07	4.95	0.53	0.35	0.10
2.40	0.23	0.09	0.07	5.00	0.54	0.35	0.10
2.45	0.24	0.10	0.07	5.05	0.54	0.36	0.10
2.50	0.24	0.10	0.07	5.10	0.55	0.36	0.10
2.55	0.25	0.10	0.07	5.15	0.56	0.37	0.10

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.10	7.80	0.97	0.76	0.16
5.25	0.57	0.38	0.10	7.85	0.98	0.77	0.17
5.30	0.58	0.39	0.10	7.90	0.99	0.78	0.17
5.35	0.58	0.39	0.10	7.95	1.00	0.79	0.17
5.40	0.59	0.40	0.10	8.00	1.01	0.80	0.17
5.45	0.60	0.41	0.10	8.05	1.02	0.81	0.17
5.50	0.60	0.41	0.11	8.10	1.03	0.82	0.17
5.55	0.61	0.42	0.11	8.15	1.04	0.83	0.18
5.60	0.62	0.42	0.11	8.20	1.05	0.84	0.18
5.65	0.62	0.43	0.11	8.25	1.06	0.85	0.18
5.70	0.63	0.44	0.11	8.30	1.07	0.86	0.18
5.75	0.64	0.44	0.11	8.35	1.08	0.87	0.18
5.80	0.64	0.45	0.11	8.40	1.10	0.88	0.18
5.85	0.65	0.45	0.11	8.45	1.11	0.89	0.18
5.90	0.66	0.46	0.11	8.50	1.12	0.91	0.19
5.95	0.66	0.47	0.11	8.55	1.13	0.92	0.19
6.00	0.67	0.47	0.11	8.60	1.14	0.93	0.19
6.05	0.68	0.48	0.11	8.65	1.15	0.94	0.19
6.10	0.68	0.49	0.11	8.70	1.16	0.95	0.19
6.15	0.69	0.49	0.12	8.75	1.17	0.96	0.19
6.20	0.70	0.50	0.12	8.80	1.19	0.97	0.19
6.25	0.70	0.51	0.12	8.85	1.20	0.98	0.20
6.30	0.71	0.51	0.12	8.90	1.21	0.99	0.20
6.35	0.72	0.52	0.12	8.95	1.22	1.01	0.20
6.40	0.73	0.53	0.12	9.00	1.23	1.02	0.20
6.45	0.73	0.54	0.12	9.05	1.25	1.03	0.21
6.50	0.74	0.54	0.13	9.10	1.26	1.04	0.21
6.55	0.75	0.55	0.13	9.15	1.27	1.05	0.22
6.60	0.76	0.56	0.13	9.20	1.28	1.07	0.22
6.65	0.77	0.57	0.13	9.25	1.30	1.08	0.23
6.70	0.77	0.57	0.13	9.30	1.31	1.09	0.23
6.75	0.78	0.58	0.13	9.35	1.33	1.11	0.24
6.80	0.79	0.59	0.13	9.40	1.34	1.12	0.24
6.85	0.80	0.60	0.14	9.45	1.35	1.14	0.25
6.90	0.81	0.60	0.14	9.50	1.37	1.15	0.26
6.95	0.81	0.61	0.14	9.55	1.39	1.17	0.26
7.00	0.82	0.62	0.14	9.60	1.40	1.18	0.27
7.05	0.83	0.63	0.14	9.65	1.42	1.20	0.27
7.10	0.84	0.64	0.14	9.70	1.43	1.21	0.28
7.15	0.85	0.65	0.15	9.75	1.45	1.23	0.29
7.20	0.86	0.65	0.15	9.80	1.47	1.25	0.29
7.25	0.87	0.66	0.15	9.85	1.49	1.27	0.30
7.30	0.88	0.67	0.15	9.90	1.50	1.28	0.30
7.35	0.89	0.68	0.15	9.95	1.52	1.30	0.31
7.40	0.89	0.69	0.15	10.00	1.54	1.32	0.31
7.45	0.90	0.70	0.15	10.05	1.56	1.34	0.32
7.50	0.91	0.71	0.16	10.10	1.58	1.36	0.32
7.55	0.92	0.72	0.16	10.15	1.60	1.37	0.33
7.60	0.93	0.73	0.16	10.20	1.62	1.39	0.33
7.65	0.94	0.73	0.16	10.25	1.64	1.41	0.34
7.70	0.95	0.74	0.16	10.30	1.66	1.43	0.34
7.75	0.96	0.75	0.16	10.35	1.68	1.45	0.35

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.35	13.00	6.41	6.18	0.64
10.45	1.72	1.50	0.36	13.05	6.45	6.21	0.58
10.50	1.74	1.52	0.37	13.10	6.48	6.24	0.57
10.55	1.76	1.54	0.40	13.15	6.51	6.27	0.53
10.60	1.79	1.56	0.41	13.20	6.54	6.30	0.53
10.65	1.81	1.59	0.44	13.25	6.57	6.33	0.49
10.70	1.84	1.62	0.45	13.30	6.60	6.36	0.48
10.75	1.87	1.64	0.49	13.35	6.63	6.39	0.45
10.80	1.90	1.67	0.49	13.40	6.65	6.41	0.44
10.85	1.93	1.70	0.53	13.45	6.68	6.44	0.41
10.90	1.96	1.73	0.54	13.50	6.70	6.46	0.40
10.95	1.99	1.77	0.57	13.55	6.72	6.48	0.37
11.00	2.03	1.80	0.58	13.60	6.74	6.50	0.36
11.05	2.06	1.84	0.65	13.65	6.76	6.53	0.36
11.10	2.10	1.87	0.66	13.70	6.78	6.55	0.35
11.15	2.14	1.92	0.72	13.75	6.80	6.57	0.34
11.20	2.19	1.96	0.74	13.80	6.82	6.59	0.34
11.25	2.23	2.01	0.80	13.85	6.84	6.61	0.33
11.30	2.28	2.05	0.82	13.90	6.86	6.62	0.33
11.35	2.33	2.10	0.88	13.95	6.88	6.64	0.32
11.40	2.38	2.16	0.89	14.00	6.90	6.66	0.32
11.45	2.44	2.21	0.94	14.05	6.92	6.68	0.31
11.50	2.49	2.26	1.04	14.10	6.94	6.70	0.31
11.55	2.58	2.35	1.45	14.15	6.95	6.72	0.30
11.60	2.66	2.43	1.47	14.20	6.97	6.73	0.30
11.65	2.75	2.52	1.54	14.25	6.99	6.75	0.29
11.70	2.84	2.61	1.64	14.30	7.01	6.77	0.29
11.75	2.97	2.74	2.10	14.35	7.02	6.78	0.28
11.80	3.09	2.86	2.26	14.40	7.04	6.80	0.28
11.85	3.26	3.03	2.91	14.45	7.05	6.82	0.27
11.90	3.43	3.20	3.31	14.50	7.07	6.83	0.27
11.95	3.73	3.49	5.02	14.55	7.09	6.85	0.26
12.00	4.02	3.79	5.67	14.60	7.10	6.86	0.26
12.05	4.52	4.28	**8.39**	14.65	7.11	6.88	0.25
12.10	5.01	4.77	7.46	14.70	7.13	6.89	0.24
12.15	5.18	4.94	3.05	14.75	7.14	6.90	0.24
12.20	5.35	5.11	2.79	14.80	7.16	6.92	0.23
12.25	5.47	5.24	2.13	14.85	7.17	6.93	0.23
12.30	5.60	5.36	2.01	14.90	7.18	6.94	0.22
12.35	5.69	5.45	1.55	14.95	7.19	6.96	0.21
12.40	5.78	5.54	1.53	15.00	7.21	6.97	0.21
12.45	5.86	5.62	1.47	15.05	7.22	6.98	0.20
12.50	5.95	5.71	1.37	15.10	7.23	6.99	0.20
12.55	6.00	5.76	0.96	15.15	7.24	7.00	0.20
12.60	6.06	5.82	0.94	15.20	7.25	7.02	0.20
12.65	6.11	5.87	0.89	15.25	7.27	7.03	0.20
12.70	6.16	5.92	0.87	15.30	7.28	7.04	0.20
12.75	6.21	5.97	0.81	15.35	7.29	7.05	0.20
12.80	6.25	6.02	0.79	15.40	7.30	7.06	0.19
12.85	6.30	6.06	0.73	15.45	7.31	7.07	0.19
12.90	6.34	6.10	0.72	15.50	7.32	7.08	0.19
12.95	6.38	6.14	0.65	15.55	7.33	7.09	0.19

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.19	18.20	7.80	7.56	0.12
15.65	7.36	7.12	0.19	18.25	7.80	7.57	0.12
15.70	7.37	7.13	0.19	18.30	7.81	7.57	0.12
15.75	7.38	7.14	0.18	18.35	7.82	7.58	0.11
15.80	7.39	7.15	0.18	18.40	7.82	7.59	0.11
15.85	7.40	7.16	0.18	18.45	7.83	7.59	0.11
15.90	7.41	7.17	0.18	18.50	7.84	7.60	0.11
15.95	7.42	7.18	0.18	18.55	7.84	7.61	0.11
16.00	7.43	7.19	0.18	18.60	7.85	7.61	0.11
16.05	7.44	7.20	0.17	18.65	7.86	7.62	0.11
16.10	7.45	7.21	0.17	18.70	7.86	7.62	0.11
16.15	7.46	7.22	0.17	18.75	7.87	7.63	0.11
16.20	7.47	7.23	0.17	18.80	7.88	7.64	0.11
16.25	7.48	7.24	0.17	18.85	7.88	7.64	0.11
16.30	7.49	7.25	0.17	18.90	7.89	7.65	0.11
16.35	7.50	7.26	0.17	18.95	7.90	7.66	0.11
16.40	7.51	7.27	0.17	19.00	7.90	7.66	0.11
16.45	7.52	7.28	0.16	19.05	7.91	7.67	0.11
16.50	7.53	7.29	0.16	19.10	7.92	7.68	0.11
16.55	7.54	7.30	0.16	19.15	7.92	7.68	0.11
16.60	7.55	7.31	0.16	19.20	7.93	7.69	0.11
16.65	7.55	7.32	0.16	19.25	7.93	7.70	0.11
16.70	7.56	7.32	0.16	19.30	7.94	7.70	0.11
16.75	7.57	7.33	0.15	19.35	7.95	7.71	0.11
16.80	7.58	7.34	0.15	19.40	7.95	7.71	0.11
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.11
16.90	7.60	7.36	0.15	19.50	7.97	7.73	0.11
16.95	7.61	7.37	0.15	19.55	7.97	7.73	0.11
17.00	7.62	7.38	0.15	19.60	7.98	7.74	0.11
17.05	7.63	7.39	0.15	19.65	7.98	7.74	0.11
17.10	7.63	7.39	0.15	19.70	7.99	7.75	0.11
17.15	7.64	7.40	0.14	19.75	8.00	7.76	0.11
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.10
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.10
17.30	7.67	7.43	0.14	19.90	8.01	7.78	0.10
17.35	7.67	7.43	0.14	19.95	8.02	7.78	0.10
17.40	7.68	7.44	0.14	20.00	8.03	7.79	0.10
17.45	7.69	7.45	0.13	20.05	8.03	7.79	0.10
17.50	7.70	7.46	0.13	20.10	8.04	7.80	0.10
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.10
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.10
17.65	7.72	7.48	0.13	20.25	8.06	7.82	0.10
17.70	7.73	7.49	0.13	20.30	8.06	7.82	0.10
17.75	7.74	7.50	0.13	20.35	8.07	7.83	0.10
17.80	7.74	7.50	0.12	20.40	8.07	7.83	0.10
17.85	7.75	7.51	0.12	20.45	8.08	7.84	0.10
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.10
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.10
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.10
18.05	7.78	7.54	0.12	20.65	8.10	7.86	0.10
18.10	7.78	7.55	0.12	20.70	8.11	7.87	0.10
18.15	7.79	7.55	0.12	20.75	8.11	7.87	0.10

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.10	23.40	8.38	8.14	0.08
20.85	8.13	7.89	0.10	23.45	8.39	8.15	0.08
20.90	8.13	7.89	0.10	23.50	8.39	8.15	0.08
20.95	8.14	7.90	0.10	23.55	8.40	8.16	0.08
21.00	8.14	7.90	0.10	23.60	8.40	8.16	0.08
21.05	8.15	7.91	0.10	23.65	8.41	8.17	0.08
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.08
21.15	8.16	7.92	0.09	23.75	8.42	8.18	0.08
21.20	8.16	7.92	0.09	23.80	8.42	8.18	0.08
21.25	8.17	7.93	0.09	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.09	23.90	8.43	8.19	0.08
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.09
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.08
21.45	8.19	7.95	0.09	24.05	8.44	8.20	0.00
21.50	8.20	7.96	0.09	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.09	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.09	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.09	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.09	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.09	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.09	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.09	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.09	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.09	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.09	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.09	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.09	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.09	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.09	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.09	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.09	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.09	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.09	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.08	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.08	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.08	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.08	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.08	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.08	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.08	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.08	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

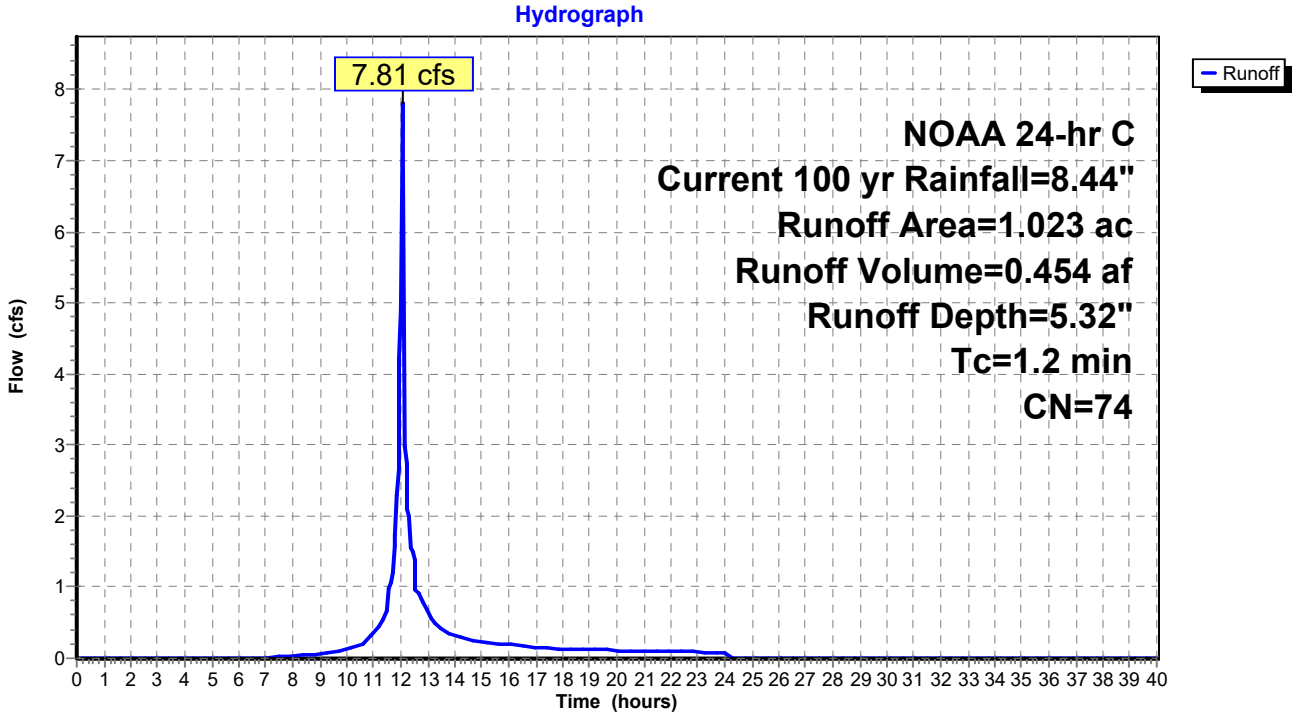
Runoff = 7.81 cfs @ 12.07 hrs, Volume= 0.454 af, Depth= 5.32"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.08
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.09
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.09
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.10
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.10
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.10
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.11
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.11
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.11
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.12
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.12
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.13
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.13
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.14
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.14
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.15
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.15
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.15
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.16
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.16

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.17	13.00	6.41	3.54	0.66
10.45	1.72	0.23	0.17	13.05	6.45	3.57	0.59
10.50	1.74	0.24	0.18	13.10	6.48	3.59	0.58
10.55	1.76	0.25	0.20	13.15	6.51	3.62	0.55
10.60	1.79	0.26	0.21	13.20	6.54	3.65	0.54
10.65	1.81	0.27	0.23	13.25	6.57	3.67	0.51
10.70	1.84	0.28	0.23	13.30	6.60	3.70	0.50
10.75	1.87	0.29	0.26	13.35	6.63	3.72	0.47
10.80	1.90	0.30	0.26	13.40	6.65	3.74	0.46
10.85	1.93	0.32	0.29	13.45	6.68	3.76	0.42
10.90	1.96	0.33	0.29	13.50	6.70	3.78	0.42
10.95	1.99	0.35	0.32	13.55	6.72	3.80	0.38
11.00	2.03	0.36	0.33	13.60	6.74	3.82	0.38
11.05	2.06	0.38	0.37	13.65	6.76	3.84	0.37
11.10	2.10	0.40	0.39	13.70	6.78	3.85	0.37
11.15	2.14	0.42	0.43	13.75	6.80	3.87	0.36
11.20	2.19	0.44	0.45	13.80	6.82	3.89	0.36
11.25	2.23	0.46	0.50	13.85	6.84	3.91	0.35
11.30	2.28	0.49	0.51	13.90	6.86	3.92	0.35
11.35	2.33	0.52	0.56	13.95	6.88	3.94	0.34
11.40	2.38	0.54	0.58	14.00	6.90	3.96	0.33
11.45	2.44	0.57	0.62	14.05	6.92	3.97	0.33
11.50	2.49	0.60	0.69	14.10	6.94	3.99	0.32
11.55	2.58	0.65	0.99	14.15	6.95	4.00	0.32
11.60	2.66	0.70	1.04	14.20	6.97	4.02	0.31
11.65	2.75	0.76	1.10	14.25	6.99	4.03	0.30
11.70	2.84	0.81	1.20	14.30	7.01	4.05	0.30
11.75	2.97	0.89	1.57	14.35	7.02	4.06	0.29
11.80	3.09	0.97	1.73	14.40	7.04	4.08	0.29
11.85	3.26	1.08	2.30	14.45	7.05	4.09	0.28
11.90	3.43	1.19	2.67	14.50	7.07	4.10	0.28
11.95	3.73	1.40	4.22	14.55	7.09	4.12	0.27
12.00	4.02	1.61	4.90	14.60	7.10	4.13	0.27
12.05	4.52	1.98	**7.61**	14.65	7.11	4.14	0.26
12.10	5.01	2.37	7.16	14.70	7.13	4.15	0.26
12.15	5.18	2.51	2.99	14.75	7.14	4.17	0.25
12.20	5.35	2.65	2.73	14.80	7.16	4.18	0.25
12.25	5.47	2.75	2.10	14.85	7.17	4.19	0.24
12.30	5.60	2.85	2.00	14.90	7.18	4.20	0.23
12.35	5.69	2.92	1.55	14.95	7.19	4.21	0.23
12.40	5.78	3.00	1.53	15.00	7.21	4.22	0.22
12.45	5.86	3.07	1.47	15.05	7.22	4.23	0.21
12.50	5.95	3.14	1.39	15.10	7.23	4.24	0.21
12.55	6.00	3.19	0.97	15.15	7.24	4.25	0.21
12.60	6.06	3.23	0.95	15.20	7.25	4.26	0.21
12.65	6.11	3.28	0.90	15.25	7.27	4.27	0.21
12.70	6.16	3.32	0.89	15.30	7.28	4.28	0.21
12.75	6.21	3.36	0.83	15.35	7.29	4.29	0.21
12.80	6.25	3.40	0.81	15.40	7.30	4.30	0.21
12.85	6.30	3.44	0.75	15.45	7.31	4.31	0.20
12.90	6.34	3.47	0.73	15.50	7.32	4.32	0.20
12.95	6.38	3.50	0.67	15.55	7.33	4.33	0.20

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.20	18.20	7.80	4.75	0.12
15.65	7.36	4.35	0.20	18.25	7.80	4.75	0.12
15.70	7.37	4.36	0.20	18.30	7.81	4.76	0.12
15.75	7.38	4.37	0.19	18.35	7.82	4.76	0.12
15.80	7.39	4.38	0.19	18.40	7.82	4.77	0.12
15.85	7.40	4.39	0.19	18.45	7.83	4.78	0.12
15.90	7.41	4.40	0.19	18.50	7.84	4.78	0.12
15.95	7.42	4.41	0.19	18.55	7.84	4.79	0.12
16.00	7.43	4.42	0.19	18.60	7.85	4.79	0.12
16.05	7.44	4.43	0.19	18.65	7.86	4.80	0.12
16.10	7.45	4.44	0.18	18.70	7.86	4.80	0.12
16.15	7.46	4.44	0.18	18.75	7.87	4.81	0.12
16.20	7.47	4.45	0.18	18.80	7.88	4.82	0.12
16.25	7.48	4.46	0.18	18.85	7.88	4.82	0.12
16.30	7.49	4.47	0.18	18.90	7.89	4.83	0.12
16.35	7.50	4.48	0.18	18.95	7.90	4.83	0.12
16.40	7.51	4.49	0.18	19.00	7.90	4.84	0.12
16.45	7.52	4.50	0.17	19.05	7.91	4.84	0.12
16.50	7.53	4.50	0.17	19.10	7.92	4.85	0.12
16.55	7.54	4.51	0.17	19.15	7.92	4.86	0.12
16.60	7.55	4.52	0.17	19.20	7.93	4.86	0.12
16.65	7.55	4.53	0.17	19.25	7.93	4.87	0.12
16.70	7.56	4.54	0.17	19.30	7.94	4.87	0.12
16.75	7.57	4.55	0.16	19.35	7.95	4.88	0.12
16.80	7.58	4.55	0.16	19.40	7.95	4.88	0.11
16.85	7.59	4.56	0.16	19.45	7.96	4.89	0.11
16.90	7.60	4.57	0.16	19.50	7.97	4.90	0.11
16.95	7.61	4.58	0.16	19.55	7.97	4.90	0.11
17.00	7.62	4.58	0.16	19.60	7.98	4.91	0.11
17.05	7.63	4.59	0.16	19.65	7.98	4.91	0.11
17.10	7.63	4.60	0.15	19.70	7.99	4.92	0.11
17.15	7.64	4.61	0.15	19.75	8.00	4.92	0.11
17.20	7.65	4.61	0.15	19.80	8.00	4.93	0.11
17.25	7.66	4.62	0.15	19.85	8.01	4.93	0.11
17.30	7.67	4.63	0.15	19.90	8.01	4.94	0.11
17.35	7.67	4.64	0.15	19.95	8.02	4.94	0.11
17.40	7.68	4.64	0.15	20.00	8.03	4.95	0.11
17.45	7.69	4.65	0.14	20.05	8.03	4.96	0.11
17.50	7.70	4.66	0.14	20.10	8.04	4.96	0.11
17.55	7.71	4.66	0.14	20.15	8.04	4.97	0.11
17.60	7.71	4.67	0.14	20.20	8.05	4.97	0.11
17.65	7.72	4.68	0.14	20.25	8.06	4.98	0.11
17.70	7.73	4.68	0.14	20.30	8.06	4.98	0.11
17.75	7.74	4.69	0.13	20.35	8.07	4.99	0.11
17.80	7.74	4.70	0.13	20.40	8.07	4.99	0.11
17.85	7.75	4.70	0.13	20.45	8.08	5.00	0.11
17.90	7.76	4.71	0.13	20.50	8.09	5.00	0.11
17.95	7.76	4.72	0.13	20.55	8.09	5.01	0.11
18.00	7.77	4.72	0.13	20.60	8.10	5.01	0.11
18.05	7.78	4.73	0.12	20.65	8.10	5.02	0.11
18.10	7.78	4.73	0.12	20.70	8.11	5.02	0.11
18.15	7.79	4.74	0.12	20.75	8.11	5.03	0.10

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.10	23.40	8.38	5.27	0.09
20.85	8.13	5.04	0.10	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.10	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.10	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.10	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.10	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.10	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.10	23.95	8.43	5.32	0.10
21.40	8.19	5.09	0.10	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.10	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.10	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.10	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.10	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.10	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.10	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.10	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.10	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.10	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.10	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.10	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.10	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.09	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.09	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.09	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.09	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.09	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.09	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.09	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.09	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.09	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.09	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.09	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.09	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.09	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.09	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.09	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.09	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.09	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

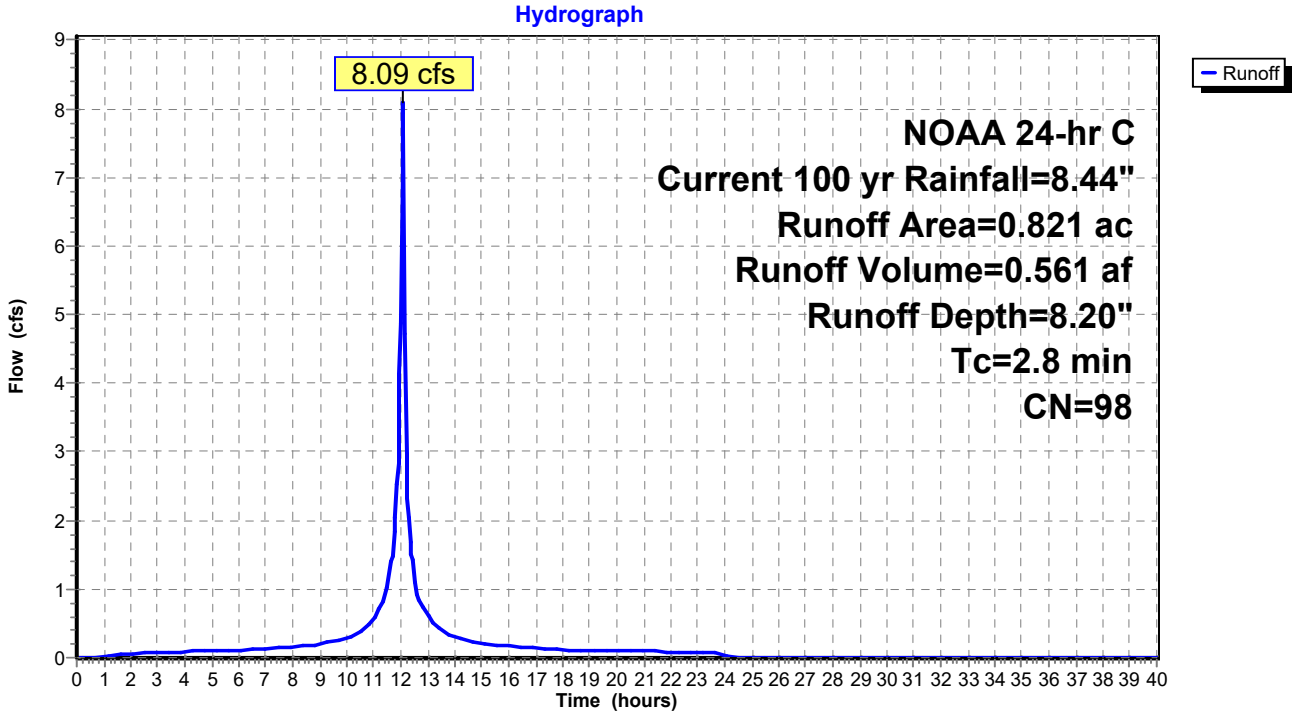
Runoff = 8.09 cfs @ 12.09 hrs, Volume= 0.561 af, Depth= 8.20"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.07
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.07
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.07
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.07
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.07
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.07
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.07
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.07
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.07
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.07
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.08
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.08
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.08
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.08
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.08
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.08
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.08
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.08
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.08
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.08
1.05	0.10	0.01	0.03	3.65	0.37	0.20	0.08
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.08
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.08
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.08
1.25	0.12	0.02	0.04	3.85	0.40	0.22	0.08
1.30	0.12	0.02	0.04	3.90	0.40	0.23	0.08
1.35	0.13	0.02	0.04	3.95	0.41	0.24	0.09
1.40	0.13	0.03	0.04	4.00	0.41	0.24	0.09
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.09
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.09
1.55	0.15	0.04	0.05	4.15	0.43	0.26	0.09
1.60	0.15	0.04	0.05	4.20	0.44	0.26	0.09
1.65	0.16	0.04	0.05	4.25	0.44	0.27	0.09
1.70	0.16	0.04	0.05	4.30	0.45	0.27	0.09
1.75	0.17	0.05	0.05	4.35	0.46	0.28	0.09
1.80	0.17	0.05	0.05	4.40	0.46	0.28	0.09
1.85	0.18	0.05	0.05	4.45	0.47	0.29	0.09
1.90	0.18	0.06	0.05	4.50	0.47	0.29	0.09
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.09
2.00	0.19	0.06	0.06	4.60	0.49	0.31	0.09
2.05	0.20	0.07	0.06	4.65	0.49	0.31	0.09
2.10	0.20	0.07	0.06	4.70	0.50	0.32	0.09
2.15	0.21	0.07	0.06	4.75	0.51	0.32	0.09
2.20	0.21	0.08	0.06	4.80	0.51	0.33	0.09
2.25	0.22	0.08	0.06	4.85	0.52	0.33	0.10
2.30	0.22	0.09	0.06	4.90	0.52	0.34	0.10
2.35	0.23	0.09	0.06	4.95	0.53	0.35	0.10
2.40	0.23	0.09	0.06	5.00	0.54	0.35	0.10
2.45	0.24	0.10	0.06	5.05	0.54	0.36	0.10
2.50	0.24	0.10	0.07	5.10	0.55	0.36	0.10
2.55	0.25	0.10	0.07	5.15	0.56	0.37	0.10

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.10	7.80	0.97	0.76	0.16
5.25	0.57	0.38	0.10	7.85	0.98	0.77	0.16
5.30	0.58	0.39	0.10	7.90	0.99	0.78	0.16
5.35	0.58	0.39	0.10	7.95	1.00	0.79	0.16
5.40	0.59	0.40	0.10	8.00	1.01	0.80	0.16
5.45	0.60	0.41	0.10	8.05	1.02	0.81	0.16
5.50	0.60	0.41	0.10	8.10	1.03	0.82	0.17
5.55	0.61	0.42	0.10	8.15	1.04	0.83	0.17
5.60	0.62	0.42	0.10	8.20	1.05	0.84	0.17
5.65	0.62	0.43	0.10	8.25	1.06	0.85	0.17
5.70	0.63	0.44	0.10	8.30	1.07	0.86	0.17
5.75	0.64	0.44	0.10	8.35	1.08	0.87	0.17
5.80	0.64	0.45	0.10	8.40	1.10	0.88	0.17
5.85	0.65	0.45	0.10	8.45	1.11	0.89	0.18
5.90	0.66	0.46	0.10	8.50	1.12	0.91	0.18
5.95	0.66	0.47	0.11	8.55	1.13	0.92	0.18
6.00	0.67	0.47	0.11	8.60	1.14	0.93	0.18
6.05	0.68	0.48	0.11	8.65	1.15	0.94	0.18
6.10	0.68	0.49	0.11	8.70	1.16	0.95	0.18
6.15	0.69	0.49	0.11	8.75	1.17	0.96	0.18
6.20	0.70	0.50	0.11	8.80	1.19	0.97	0.19
6.25	0.70	0.51	0.11	8.85	1.20	0.98	0.19
6.30	0.71	0.51	0.11	8.90	1.21	0.99	0.19
6.35	0.72	0.52	0.12	8.95	1.22	1.01	0.19
6.40	0.73	0.53	0.12	9.00	1.23	1.02	0.19
6.45	0.73	0.54	0.12	9.05	1.25	1.03	0.20
6.50	0.74	0.54	0.12	9.10	1.26	1.04	0.20
6.55	0.75	0.55	0.12	9.15	1.27	1.05	0.21
6.60	0.76	0.56	0.12	9.20	1.28	1.07	0.21
6.65	0.77	0.57	0.12	9.25	1.30	1.08	0.22
6.70	0.77	0.57	0.13	9.30	1.31	1.09	0.22
6.75	0.78	0.58	0.13	9.35	1.33	1.11	0.23
6.80	0.79	0.59	0.13	9.40	1.34	1.12	0.23
6.85	0.80	0.60	0.13	9.45	1.35	1.14	0.24
6.90	0.81	0.60	0.13	9.50	1.37	1.15	0.24
6.95	0.81	0.61	0.13	9.55	1.39	1.17	0.25
7.00	0.82	0.62	0.13	9.60	1.40	1.18	0.25
7.05	0.83	0.63	0.14	9.65	1.42	1.20	0.26
7.10	0.84	0.64	0.14	9.70	1.43	1.21	0.26
7.15	0.85	0.65	0.14	9.75	1.45	1.23	0.27
7.20	0.86	0.65	0.14	9.80	1.47	1.25	0.27
7.25	0.87	0.66	0.14	9.85	1.49	1.27	0.28
7.30	0.88	0.67	0.14	9.90	1.50	1.28	0.29
7.35	0.89	0.68	0.14	9.95	1.52	1.30	0.29
7.40	0.89	0.69	0.15	10.00	1.54	1.32	0.30
7.45	0.90	0.70	0.15	10.05	1.56	1.34	0.30
7.50	0.91	0.71	0.15	10.10	1.58	1.36	0.31
7.55	0.92	0.72	0.15	10.15	1.60	1.37	0.31
7.60	0.93	0.73	0.15	10.20	1.62	1.39	0.32
7.65	0.94	0.73	0.15	10.25	1.64	1.41	0.32
7.70	0.95	0.74	0.15	10.30	1.66	1.43	0.33
7.75	0.96	0.75	0.16	10.35	1.68	1.45	0.33

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.34	13.00	6.41	6.18	0.63
10.45	1.72	1.50	0.35	13.05	6.45	6.21	0.58
10.50	1.74	1.52	0.35	13.10	6.48	6.24	0.55
10.55	1.76	1.54	0.37	13.15	6.51	6.27	0.53
10.60	1.79	1.56	0.39	13.20	6.54	6.30	0.51
10.65	1.81	1.59	0.41	13.25	6.57	6.33	0.49
10.70	1.84	1.62	0.43	13.30	6.60	6.36	0.47
10.75	1.87	1.64	0.45	13.35	6.63	6.39	0.45
10.80	1.90	1.67	0.47	13.40	6.65	6.41	0.43
10.85	1.93	1.70	0.49	13.45	6.68	6.44	0.41
10.90	1.96	1.73	0.51	13.50	6.70	6.46	0.39
10.95	1.99	1.77	0.53	13.55	6.72	6.48	0.37
11.00	2.03	1.80	0.55	13.60	6.74	6.50	0.35
11.05	2.06	1.84	0.60	13.65	6.76	6.53	0.35
11.10	2.10	1.87	0.62	13.70	6.78	6.55	0.34
11.15	2.14	1.92	0.67	13.75	6.80	6.57	0.34
11.20	2.19	1.96	0.70	13.80	6.82	6.59	0.33
11.25	2.23	2.01	0.75	13.85	6.84	6.61	0.33
11.30	2.28	2.05	0.77	13.90	6.86	6.62	0.32
11.35	2.33	2.10	0.82	13.95	6.88	6.64	0.31
11.40	2.38	2.16	0.85	14.00	6.90	6.66	0.31
11.45	2.44	2.21	0.89	14.05	6.92	6.68	0.30
11.50	2.49	2.26	0.91	14.10	6.94	6.70	0.30
11.55	2.58	2.35	1.23	14.15	6.95	6.72	0.29
11.60	2.66	2.43	1.39	14.20	6.97	6.73	0.29
11.65	2.75	2.52	1.45	14.25	6.99	6.75	0.28
11.70	2.84	2.61	1.49	14.30	7.01	6.77	0.28
11.75	2.97	2.74	1.83	14.35	7.02	6.78	0.27
11.80	3.09	2.86	2.03	14.40	7.04	6.80	0.27
11.85	3.26	3.03	2.54	14.45	7.05	6.82	0.26
11.90	3.43	3.20	2.84	14.50	7.07	6.83	0.26
11.95	3.73	3.49	4.13	14.55	7.09	6.85	0.25
12.00	4.02	3.79	4.88	14.60	7.10	6.86	0.25
12.05	4.52	4.28	6.96	14.65	7.11	6.88	0.24
12.10	5.01	4.77	**7.94**	14.70	7.13	6.89	0.24
12.15	5.18	4.94	4.73	14.75	7.14	6.90	0.23
12.20	5.35	5.11	2.95	14.80	7.16	6.92	0.23
12.25	5.47	5.24	2.32	14.85	7.17	6.93	0.22
12.30	5.60	5.36	2.05	14.90	7.18	6.94	0.22
12.35	5.69	5.45	1.68	14.95	7.19	6.96	0.21
12.40	5.78	5.54	1.50	15.00	7.21	6.97	0.21
12.45	5.86	5.62	1.44	15.05	7.22	6.98	0.20
12.50	5.95	5.71	1.40	15.10	7.23	6.99	0.20
12.55	6.00	5.76	1.09	15.15	7.24	7.00	0.19
12.60	6.06	5.82	0.92	15.20	7.25	7.02	0.19
12.65	6.11	5.87	0.87	15.25	7.27	7.03	0.19
12.70	6.16	5.92	0.85	15.30	7.28	7.04	0.19
12.75	6.21	5.97	0.81	15.35	7.29	7.05	0.19
12.80	6.25	6.02	0.78	15.40	7.30	7.06	0.19
12.85	6.30	6.06	0.73	15.45	7.31	7.07	0.19
12.90	6.34	6.10	0.70	15.50	7.32	7.08	0.18
12.95	6.38	6.14	0.66	15.55	7.33	7.09	0.18

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.18	18.20	7.80	7.56	0.11
15.65	7.36	7.12	0.18	18.25	7.80	7.57	0.11
15.70	7.37	7.13	0.18	18.30	7.81	7.57	0.11
15.75	7.38	7.14	0.18	18.35	7.82	7.58	0.11
15.80	7.39	7.15	0.18	18.40	7.82	7.59	0.11
15.85	7.40	7.16	0.17	18.45	7.83	7.59	0.11
15.90	7.41	7.17	0.17	18.50	7.84	7.60	0.11
15.95	7.42	7.18	0.17	18.55	7.84	7.61	0.11
16.00	7.43	7.19	0.17	18.60	7.85	7.61	0.11
16.05	7.44	7.20	0.17	18.65	7.86	7.62	0.11
16.10	7.45	7.21	0.17	18.70	7.86	7.62	0.11
16.15	7.46	7.22	0.17	18.75	7.87	7.63	0.11
16.20	7.47	7.23	0.17	18.80	7.88	7.64	0.11
16.25	7.48	7.24	0.16	18.85	7.88	7.64	0.11
16.30	7.49	7.25	0.16	18.90	7.89	7.65	0.11
16.35	7.50	7.26	0.16	18.95	7.90	7.66	0.11
16.40	7.51	7.27	0.16	19.00	7.90	7.66	0.11
16.45	7.52	7.28	0.16	19.05	7.91	7.67	0.11
16.50	7.53	7.29	0.16	19.10	7.92	7.68	0.11
16.55	7.54	7.30	0.16	19.15	7.92	7.68	0.10
16.60	7.55	7.31	0.15	19.20	7.93	7.69	0.10
16.65	7.55	7.32	0.15	19.25	7.93	7.70	0.10
16.70	7.56	7.32	0.15	19.30	7.94	7.70	0.10
16.75	7.57	7.33	0.15	19.35	7.95	7.71	0.10
16.80	7.58	7.34	0.15	19.40	7.95	7.71	0.10
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.10
16.90	7.60	7.36	0.15	19.50	7.97	7.73	0.10
16.95	7.61	7.37	0.14	19.55	7.97	7.73	0.10
17.00	7.62	7.38	0.14	19.60	7.98	7.74	0.10
17.05	7.63	7.39	0.14	19.65	7.98	7.74	0.10
17.10	7.63	7.39	0.14	19.70	7.99	7.75	0.10
17.15	7.64	7.40	0.14	19.75	8.00	7.76	0.10
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.10
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.10
17.30	7.67	7.43	0.13	19.90	8.01	7.78	0.10
17.35	7.67	7.43	0.13	19.95	8.02	7.78	0.10
17.40	7.68	7.44	0.13	20.00	8.03	7.79	0.10
17.45	7.69	7.45	0.13	20.05	8.03	7.79	0.10
17.50	7.70	7.46	0.13	20.10	8.04	7.80	0.10
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.10
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.10
17.65	7.72	7.48	0.12	20.25	8.06	7.82	0.10
17.70	7.73	7.49	0.12	20.30	8.06	7.82	0.10
17.75	7.74	7.50	0.12	20.35	8.07	7.83	0.10
17.80	7.74	7.50	0.12	20.40	8.07	7.83	0.10
17.85	7.75	7.51	0.12	20.45	8.08	7.84	0.10
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.10
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.10
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.10
18.05	7.78	7.54	0.11	20.65	8.10	7.86	0.09
18.10	7.78	7.55	0.11	20.70	8.11	7.87	0.09
18.15	7.79	7.55	0.11	20.75	8.11	7.87	0.09

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.09	23.40	8.38	8.14	0.08
20.85	8.13	7.89	0.09	23.45	8.39	8.15	0.08
20.90	8.13	7.89	0.09	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.09	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.09	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.09	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.09	23.75	8.42	8.18	0.07
21.20	8.16	7.92	0.09	23.80	8.42	8.18	0.07
21.25	8.17	7.93	0.09	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.09	23.90	8.43	8.19	0.07
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.08
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.09
21.45	8.19	7.95	0.09	24.05	8.44	8.20	0.03
21.50	8.20	7.96	0.09	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.09	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.09	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.09	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.09	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.09	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.09	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.09	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.09	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.09	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.09	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.08	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.08	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.08	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.08	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.08	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.08	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.08	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.08	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.08	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.08	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.08	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.08	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.08	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.08	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.08	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.08	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

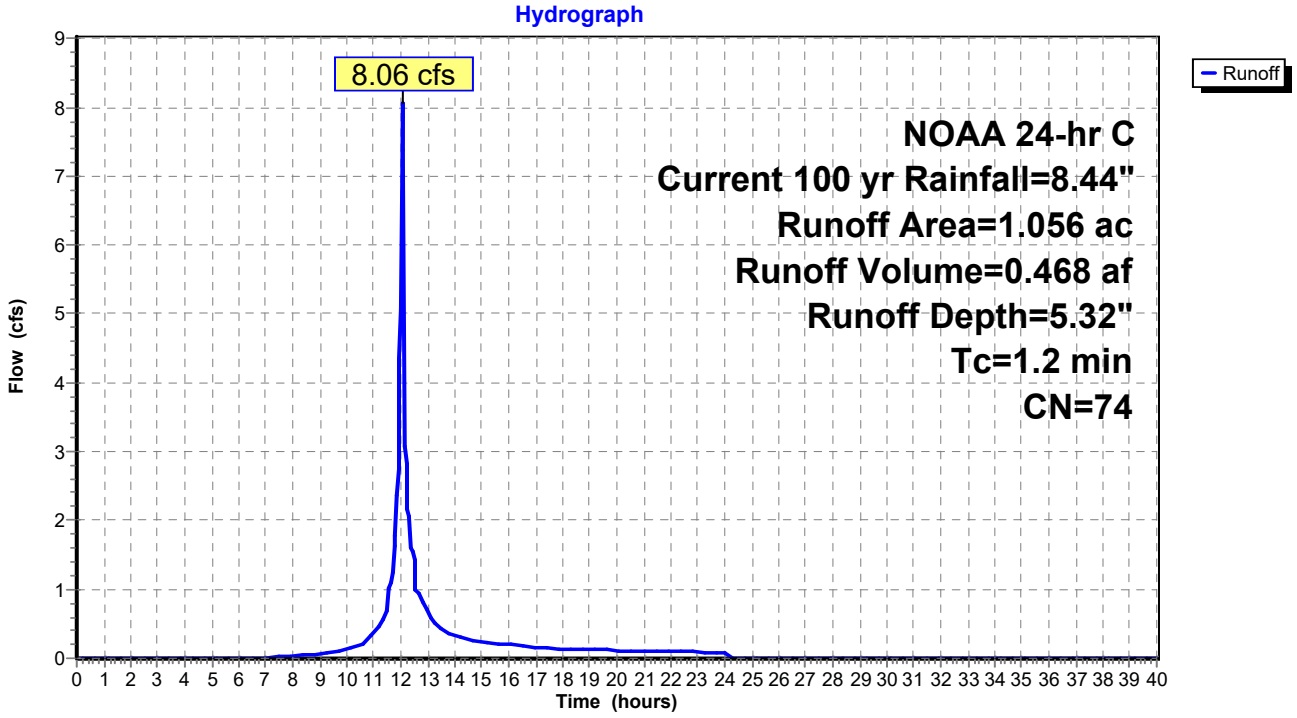
Runoff = 8.06 cfs @ 12.07 hrs, Volume= 0.468 af, Depth= 5.32"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.05
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.06
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.07
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.08
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.09
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.09
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.09
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.10
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.10
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.11
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.11
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.11
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.12
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.12
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.13
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.13
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.13
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.14
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.14
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.15
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.15
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.16
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.16
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.17

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.17	13.00	6.41	3.54	0.68
10.45	1.72	0.23	0.18	13.05	6.45	3.57	0.61
10.50	1.74	0.24	0.19	13.10	6.48	3.59	0.60
10.55	1.76	0.25	0.21	13.15	6.51	3.62	0.57
10.60	1.79	0.26	0.21	13.20	6.54	3.65	0.56
10.65	1.81	0.27	0.23	13.25	6.57	3.67	0.52
10.70	1.84	0.28	0.24	13.30	6.60	3.70	0.52
10.75	1.87	0.29	0.26	13.35	6.63	3.72	0.48
10.80	1.90	0.30	0.27	13.40	6.65	3.74	0.47
10.85	1.93	0.32	0.29	13.45	6.68	3.76	0.44
10.90	1.96	0.33	0.30	13.50	6.70	3.78	0.43
10.95	1.99	0.35	0.33	13.55	6.72	3.80	0.39
11.00	2.03	0.36	0.34	13.60	6.74	3.82	0.39
11.05	2.06	0.38	0.38	13.65	6.76	3.84	0.38
11.10	2.10	0.40	0.40	13.70	6.78	3.85	0.38
11.15	2.14	0.42	0.45	13.75	6.80	3.87	0.37
11.20	2.19	0.44	0.46	13.80	6.82	3.89	0.37
11.25	2.23	0.46	0.51	13.85	6.84	3.91	0.36
11.30	2.28	0.49	0.53	13.90	6.86	3.92	0.36
11.35	2.33	0.52	0.58	13.95	6.88	3.94	0.35
11.40	2.38	0.54	0.60	14.00	6.90	3.96	0.35
11.45	2.44	0.57	0.64	14.05	6.92	3.97	0.34
11.50	2.49	0.60	0.71	14.10	6.94	3.99	0.33
11.55	2.58	0.65	1.03	14.15	6.95	4.00	0.33
11.60	2.66	0.70	1.07	14.20	6.97	4.02	0.32
11.65	2.75	0.76	1.14	14.25	6.99	4.03	0.31
11.70	2.84	0.81	1.24	14.30	7.01	4.05	0.31
11.75	2.97	0.89	1.62	14.35	7.02	4.06	0.30
11.80	3.09	0.97	1.78	14.40	7.04	4.08	0.30
11.85	3.26	1.08	2.38	14.45	7.05	4.09	0.29
11.90	3.43	1.19	2.75	14.50	7.07	4.10	0.29
11.95	3.73	1.40	4.35	14.55	7.09	4.12	0.28
12.00	4.02	1.61	5.06	14.60	7.10	4.13	0.28
12.05	4.52	1.98	**7.86**	14.65	7.11	4.14	0.27
12.10	5.01	2.37	7.39	14.70	7.13	4.15	0.27
12.15	5.18	2.51	3.09	14.75	7.14	4.17	0.26
12.20	5.35	2.65	2.82	14.80	7.16	4.18	0.25
12.25	5.47	2.75	2.17	14.85	7.17	4.19	0.24
12.30	5.60	2.85	2.07	14.90	7.18	4.20	0.24
12.35	5.69	2.92	1.60	14.95	7.19	4.21	0.23
12.40	5.78	3.00	1.58	15.00	7.21	4.22	0.23
12.45	5.86	3.07	1.52	15.05	7.22	4.23	0.22
12.50	5.95	3.14	1.44	15.10	7.23	4.24	0.22
12.55	6.00	3.19	1.00	15.15	7.24	4.25	0.22
12.60	6.06	3.23	0.98	15.20	7.25	4.26	0.22
12.65	6.11	3.28	0.93	15.25	7.27	4.27	0.21
12.70	6.16	3.32	0.92	15.30	7.28	4.28	0.21
12.75	6.21	3.36	0.85	15.35	7.29	4.29	0.21
12.80	6.25	3.40	0.84	15.40	7.30	4.30	0.21
12.85	6.30	3.44	0.77	15.45	7.31	4.31	0.21
12.90	6.34	3.47	0.76	15.50	7.32	4.32	0.21
12.95	6.38	3.50	0.69	15.55	7.33	4.33	0.21

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.21	18.20	7.80	4.75	0.13
15.65	7.36	4.35	0.20	18.25	7.80	4.75	0.13
15.70	7.37	4.36	0.20	18.30	7.81	4.76	0.13
15.75	7.38	4.37	0.20	18.35	7.82	4.76	0.13
15.80	7.39	4.38	0.20	18.40	7.82	4.77	0.13
15.85	7.40	4.39	0.20	18.45	7.83	4.78	0.13
15.90	7.41	4.40	0.20	18.50	7.84	4.78	0.13
15.95	7.42	4.41	0.19	18.55	7.84	4.79	0.12
16.00	7.43	4.42	0.19	18.60	7.85	4.79	0.12
16.05	7.44	4.43	0.19	18.65	7.86	4.80	0.12
16.10	7.45	4.44	0.19	18.70	7.86	4.80	0.12
16.15	7.46	4.44	0.19	18.75	7.87	4.81	0.12
16.20	7.47	4.45	0.19	18.80	7.88	4.82	0.12
16.25	7.48	4.46	0.18	18.85	7.88	4.82	0.12
16.30	7.49	4.47	0.18	18.90	7.89	4.83	0.12
16.35	7.50	4.48	0.18	18.95	7.90	4.83	0.12
16.40	7.51	4.49	0.18	19.00	7.90	4.84	0.12
16.45	7.52	4.50	0.18	19.05	7.91	4.84	0.12
16.50	7.53	4.50	0.18	19.10	7.92	4.85	0.12
16.55	7.54	4.51	0.18	19.15	7.92	4.86	0.12
16.60	7.55	4.52	0.18	19.20	7.93	4.86	0.12
16.65	7.55	4.53	0.17	19.25	7.93	4.87	0.12
16.70	7.56	4.54	0.17	19.30	7.94	4.87	0.12
16.75	7.57	4.55	0.17	19.35	7.95	4.88	0.12
16.80	7.58	4.55	0.17	19.40	7.95	4.88	0.12
16.85	7.59	4.56	0.17	19.45	7.96	4.89	0.12
16.90	7.60	4.57	0.17	19.50	7.97	4.90	0.12
16.95	7.61	4.58	0.16	19.55	7.97	4.90	0.12
17.00	7.62	4.58	0.16	19.60	7.98	4.91	0.12
17.05	7.63	4.59	0.16	19.65	7.98	4.91	0.12
17.10	7.63	4.60	0.16	19.70	7.99	4.92	0.12
17.15	7.64	4.61	0.16	19.75	8.00	4.92	0.12
17.20	7.65	4.61	0.16	19.80	8.00	4.93	0.12
17.25	7.66	4.62	0.15	19.85	8.01	4.93	0.12
17.30	7.67	4.63	0.15	19.90	8.01	4.94	0.11
17.35	7.67	4.64	0.15	19.95	8.02	4.94	0.11
17.40	7.68	4.64	0.15	20.00	8.03	4.95	0.11
17.45	7.69	4.65	0.15	20.05	8.03	4.96	0.11
17.50	7.70	4.66	0.15	20.10	8.04	4.96	0.11
17.55	7.71	4.66	0.14	20.15	8.04	4.97	0.11
17.60	7.71	4.67	0.14	20.20	8.05	4.97	0.11
17.65	7.72	4.68	0.14	20.25	8.06	4.98	0.11
17.70	7.73	4.68	0.14	20.30	8.06	4.98	0.11
17.75	7.74	4.69	0.14	20.35	8.07	4.99	0.11
17.80	7.74	4.70	0.14	20.40	8.07	4.99	0.11
17.85	7.75	4.70	0.14	20.45	8.08	5.00	0.11
17.90	7.76	4.71	0.13	20.50	8.09	5.00	0.11
17.95	7.76	4.72	0.13	20.55	8.09	5.01	0.11
18.00	7.77	4.72	0.13	20.60	8.10	5.01	0.11
18.05	7.78	4.73	0.13	20.65	8.10	5.02	0.11
18.10	7.78	4.73	0.13	20.70	8.11	5.02	0.11
18.15	7.79	4.74	0.13	20.75	8.11	5.03	0.11

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.11	23.40	8.38	5.27	0.09
20.85	8.13	5.04	0.11	23.45	8.39	5.28	0.09
20.90	8.13	5.04	0.11	23.50	8.39	5.28	0.09
20.95	8.14	5.05	0.11	23.55	8.40	5.28	0.09
21.00	8.14	5.05	0.11	23.60	8.40	5.29	0.09
21.05	8.15	5.06	0.11	23.65	8.41	5.29	0.09
21.10	8.15	5.06	0.11	23.70	8.41	5.30	0.09
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.10	23.90	8.43	5.31	0.09
21.35	8.18	5.09	0.10	23.95	8.43	5.32	0.10
21.40	8.19	5.09	0.10	24.00	**8.44**	**5.32**	0.09
21.45	8.19	5.10	0.10	24.05	8.44	5.32	0.00
21.50	8.20	5.10	0.10	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.10	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.10	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.10	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.10	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.10	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.10	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.10	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.10	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.10	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.10	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.10	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.10	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.10	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.10	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.10	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.10	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.10	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.10	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.09	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.09	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.09	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.09	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.09	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.09	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.09	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.09	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.09	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.09	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.09	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.09	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.09	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.09	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.09	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 17AI: PDA-17A (impervious)

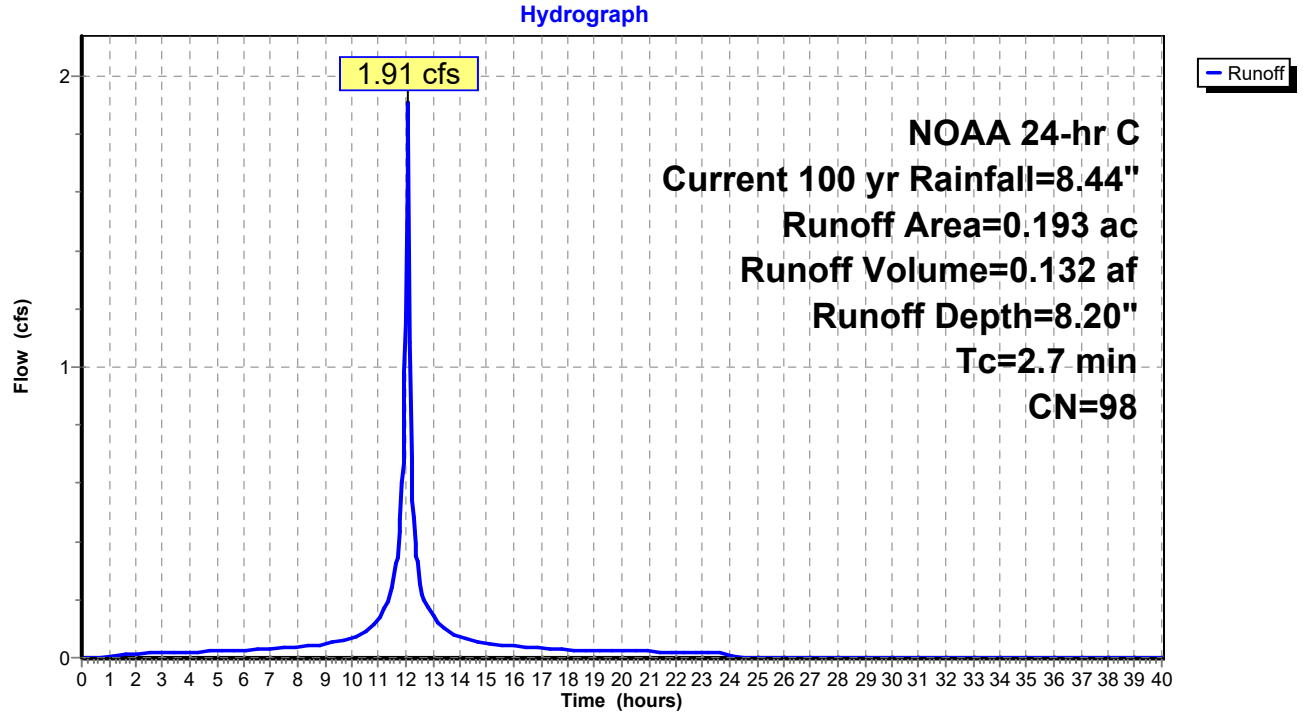
Runoff = 1.91 cfs @ 12.09 hrs, Volume= 0.132 af, Depth= 8.20"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AI: PDA-17A (impervious)



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.02
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.02
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.02
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.02
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.02
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.02
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.02
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.02
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.02
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.02
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.02
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.02
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.02
0.65	0.06	0.00	0.00	3.25	0.33	0.17	0.02
0.70	0.06	0.00	0.00	3.30	0.33	0.17	0.02
0.75	0.07	0.00	0.00	3.35	0.34	0.18	0.02
0.80	0.07	0.00	0.00	3.40	0.34	0.18	0.02
0.85	0.08	0.01	0.00	3.45	0.35	0.19	0.02
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.02
0.95	0.09	0.01	0.01	3.55	0.36	0.19	0.02
1.00	0.09	0.01	0.01	3.60	0.37	0.20	0.02
1.05	0.10	0.01	0.01	3.65	0.37	0.20	0.02
1.10	0.10	0.01	0.01	3.70	0.38	0.21	0.02
1.15	0.11	0.02	0.01	3.75	0.38	0.21	0.02
1.20	0.11	0.02	0.01	3.80	0.39	0.22	0.02
1.25	0.12	0.02	0.01	3.85	0.40	0.22	0.02
1.30	0.12	0.02	0.01	3.90	0.40	0.23	0.02
1.35	0.13	0.02	0.01	3.95	0.41	0.24	0.02
1.40	0.13	0.03	0.01	4.00	0.41	0.24	0.02
1.45	0.14	0.03	0.01	4.05	0.42	0.25	0.02
1.50	0.14	0.03	0.01	4.10	0.43	0.25	0.02
1.55	0.15	0.04	0.01	4.15	0.43	0.26	0.02
1.60	0.15	0.04	0.01	4.20	0.44	0.26	0.02
1.65	0.16	0.04	0.01	4.25	0.44	0.27	0.02
1.70	0.16	0.04	0.01	4.30	0.45	0.27	0.02
1.75	0.17	0.05	0.01	4.35	0.46	0.28	0.02
1.80	0.17	0.05	0.01	4.40	0.46	0.28	0.02
1.85	0.18	0.05	0.01	4.45	0.47	0.29	0.02
1.90	0.18	0.06	0.01	4.50	0.47	0.29	0.02
1.95	0.19	0.06	0.01	4.55	0.48	0.30	0.02
2.00	0.19	0.06	0.01	4.60	0.49	0.31	0.02
2.05	0.20	0.07	0.01	4.65	0.49	0.31	0.02
2.10	0.20	0.07	0.01	4.70	0.50	0.32	0.02
2.15	0.21	0.07	0.01	4.75	0.51	0.32	0.02
2.20	0.21	0.08	0.01	4.80	0.51	0.33	0.02
2.25	0.22	0.08	0.01	4.85	0.52	0.33	0.02
2.30	0.22	0.09	0.01	4.90	0.52	0.34	0.02
2.35	0.23	0.09	0.01	4.95	0.53	0.35	0.02
2.40	0.23	0.09	0.01	5.00	0.54	0.35	0.02
2.45	0.24	0.10	0.02	5.05	0.54	0.36	0.02
2.50	0.24	0.10	0.02	5.10	0.55	0.36	0.02
2.55	0.25	0.10	0.02	5.15	0.56	0.37	0.02

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.02	7.80	0.97	0.76	0.04
5.25	0.57	0.38	0.02	7.85	0.98	0.77	0.04
5.30	0.58	0.39	0.02	7.90	0.99	0.78	0.04
5.35	0.58	0.39	0.02	7.95	1.00	0.79	0.04
5.40	0.59	0.40	0.02	8.00	1.01	0.80	0.04
5.45	0.60	0.41	0.02	8.05	1.02	0.81	0.04
5.50	0.60	0.41	0.02	8.10	1.03	0.82	0.04
5.55	0.61	0.42	0.02	8.15	1.04	0.83	0.04
5.60	0.62	0.42	0.02	8.20	1.05	0.84	0.04
5.65	0.62	0.43	0.02	8.25	1.06	0.85	0.04
5.70	0.63	0.44	0.02	8.30	1.07	0.86	0.04
5.75	0.64	0.44	0.02	8.35	1.08	0.87	0.04
5.80	0.64	0.45	0.02	8.40	1.10	0.88	0.04
5.85	0.65	0.45	0.02	8.45	1.11	0.89	0.04
5.90	0.66	0.46	0.02	8.50	1.12	0.91	0.04
5.95	0.66	0.47	0.02	8.55	1.13	0.92	0.04
6.00	0.67	0.47	0.02	8.60	1.14	0.93	0.04
6.05	0.68	0.48	0.03	8.65	1.15	0.94	0.04
6.10	0.68	0.49	0.03	8.70	1.16	0.95	0.04
6.15	0.69	0.49	0.03	8.75	1.17	0.96	0.04
6.20	0.70	0.50	0.03	8.80	1.19	0.97	0.04
6.25	0.70	0.51	0.03	8.85	1.20	0.98	0.04
6.30	0.71	0.51	0.03	8.90	1.21	0.99	0.04
6.35	0.72	0.52	0.03	8.95	1.22	1.01	0.04
6.40	0.73	0.53	0.03	9.00	1.23	1.02	0.05
6.45	0.73	0.54	0.03	9.05	1.25	1.03	0.05
6.50	0.74	0.54	0.03	9.10	1.26	1.04	0.05
6.55	0.75	0.55	0.03	9.15	1.27	1.05	0.05
6.60	0.76	0.56	0.03	9.20	1.28	1.07	0.05
6.65	0.77	0.57	0.03	9.25	1.30	1.08	0.05
6.70	0.77	0.57	0.03	9.30	1.31	1.09	0.05
6.75	0.78	0.58	0.03	9.35	1.33	1.11	0.05
6.80	0.79	0.59	0.03	9.40	1.34	1.12	0.05
6.85	0.80	0.60	0.03	9.45	1.35	1.14	0.06
6.90	0.81	0.60	0.03	9.50	1.37	1.15	0.06
6.95	0.81	0.61	0.03	9.55	1.39	1.17	0.06
7.00	0.82	0.62	0.03	9.60	1.40	1.18	0.06
7.05	0.83	0.63	0.03	9.65	1.42	1.20	0.06
7.10	0.84	0.64	0.03	9.70	1.43	1.21	0.06
7.15	0.85	0.65	0.03	9.75	1.45	1.23	0.06
7.20	0.86	0.65	0.03	9.80	1.47	1.25	0.06
7.25	0.87	0.66	0.03	9.85	1.49	1.27	0.07
7.30	0.88	0.67	0.03	9.90	1.50	1.28	0.07
7.35	0.89	0.68	0.03	9.95	1.52	1.30	0.07
7.40	0.89	0.69	0.03	10.00	1.54	1.32	0.07
7.45	0.90	0.70	0.03	10.05	1.56	1.34	0.07
7.50	0.91	0.71	0.03	10.10	1.58	1.36	0.07
7.55	0.92	0.72	0.04	10.15	1.60	1.37	0.07
7.60	0.93	0.73	0.04	10.20	1.62	1.39	0.07
7.65	0.94	0.73	0.04	10.25	1.64	1.41	0.08
7.70	0.95	0.74	0.04	10.30	1.66	1.43	0.08
7.75	0.96	0.75	0.04	10.35	1.68	1.45	0.08

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.08	13.00	6.41	6.18	0.15
10.45	1.72	1.50	0.08	13.05	6.45	6.21	0.14
10.50	1.74	1.52	0.08	13.10	6.48	6.24	0.13
10.55	1.76	1.54	0.09	13.15	6.51	6.27	0.12
10.60	1.79	1.56	0.09	13.20	6.54	6.30	0.12
10.65	1.81	1.59	0.10	13.25	6.57	6.33	0.11
10.70	1.84	1.62	0.10	13.30	6.60	6.36	0.11
10.75	1.87	1.64	0.11	13.35	6.63	6.39	0.10
10.80	1.90	1.67	0.11	13.40	6.65	6.41	0.10
10.85	1.93	1.70	0.12	13.45	6.68	6.44	0.10
10.90	1.96	1.73	0.12	13.50	6.70	6.46	0.09
10.95	1.99	1.77	0.13	13.55	6.72	6.48	0.09
11.00	2.03	1.80	0.13	13.60	6.74	6.50	0.08
11.05	2.06	1.84	0.14	13.65	6.76	6.53	0.08
11.10	2.10	1.87	0.15	13.70	6.78	6.55	0.08
11.15	2.14	1.92	0.16	13.75	6.80	6.57	0.08
11.20	2.19	1.96	0.16	13.80	6.82	6.59	0.08
11.25	2.23	2.01	0.18	13.85	6.84	6.61	0.08
11.30	2.28	2.05	0.18	13.90	6.86	6.62	0.08
11.35	2.33	2.10	0.19	13.95	6.88	6.64	0.07
11.40	2.38	2.16	0.20	14.00	6.90	6.66	0.07
11.45	2.44	2.21	0.21	14.05	6.92	6.68	0.07
11.50	2.49	2.26	0.22	14.10	6.94	6.70	0.07
11.55	2.58	2.35	0.29	14.15	6.95	6.72	0.07
11.60	2.66	2.43	0.33	14.20	6.97	6.73	0.07
11.65	2.75	2.52	0.34	14.25	6.99	6.75	0.07
11.70	2.84	2.61	0.35	14.30	7.01	6.77	0.07
11.75	2.97	2.74	0.43	14.35	7.02	6.78	0.06
11.80	3.09	2.86	0.48	14.40	7.04	6.80	0.06
11.85	3.26	3.03	0.60	14.45	7.05	6.82	0.06
11.90	3.43	3.20	0.67	14.50	7.07	6.83	0.06
11.95	3.73	3.49	0.98	14.55	7.09	6.85	0.06
12.00	4.02	3.79	1.15	14.60	7.10	6.86	0.06
12.05	4.52	4.28	1.66	14.65	7.11	6.88	0.06
12.10	5.01	4.77	**1.87**	14.70	7.13	6.89	0.06
12.15	5.18	4.94	1.08	14.75	7.14	6.90	0.05
12.20	5.35	5.11	0.69	14.80	7.16	6.92	0.05
12.25	5.47	5.24	0.54	14.85	7.17	6.93	0.05
12.30	5.60	5.36	0.48	14.90	7.18	6.94	0.05
12.35	5.69	5.45	0.39	14.95	7.19	6.96	0.05
12.40	5.78	5.54	0.35	15.00	7.21	6.97	0.05
12.45	5.86	5.62	0.34	15.05	7.22	6.98	0.05
12.50	5.95	5.71	0.33	15.10	7.23	6.99	0.05
12.55	6.00	5.76	0.25	15.15	7.24	7.00	0.05
12.60	6.06	5.82	0.22	15.20	7.25	7.02	0.05
12.65	6.11	5.87	0.21	15.25	7.27	7.03	0.04
12.70	6.16	5.92	0.20	15.30	7.28	7.04	0.04
12.75	6.21	5.97	0.19	15.35	7.29	7.05	0.04
12.80	6.25	6.02	0.18	15.40	7.30	7.06	0.04
12.85	6.30	6.06	0.17	15.45	7.31	7.07	0.04
12.90	6.34	6.10	0.17	15.50	7.32	7.08	0.04
12.95	6.38	6.14	0.15	15.55	7.33	7.09	0.04

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.04	18.20	7.80	7.56	0.03
15.65	7.36	7.12	0.04	18.25	7.80	7.57	0.03
15.70	7.37	7.13	0.04	18.30	7.81	7.57	0.03
15.75	7.38	7.14	0.04	18.35	7.82	7.58	0.03
15.80	7.39	7.15	0.04	18.40	7.82	7.59	0.03
15.85	7.40	7.16	0.04	18.45	7.83	7.59	0.03
15.90	7.41	7.17	0.04	18.50	7.84	7.60	0.03
15.95	7.42	7.18	0.04	18.55	7.84	7.61	0.03
16.00	7.43	7.19	0.04	18.60	7.85	7.61	0.03
16.05	7.44	7.20	0.04	18.65	7.86	7.62	0.03
16.10	7.45	7.21	0.04	18.70	7.86	7.62	0.03
16.15	7.46	7.22	0.04	18.75	7.87	7.63	0.03
16.20	7.47	7.23	0.04	18.80	7.88	7.64	0.03
16.25	7.48	7.24	0.04	18.85	7.88	7.64	0.03
16.30	7.49	7.25	0.04	18.90	7.89	7.65	0.03
16.35	7.50	7.26	0.04	18.95	7.90	7.66	0.03
16.40	7.51	7.27	0.04	19.00	7.90	7.66	0.02
16.45	7.52	7.28	0.04	19.05	7.91	7.67	0.02
16.50	7.53	7.29	0.04	19.10	7.92	7.68	0.02
16.55	7.54	7.30	0.04	19.15	7.92	7.68	0.02
16.60	7.55	7.31	0.04	19.20	7.93	7.69	0.02
16.65	7.55	7.32	0.04	19.25	7.93	7.70	0.02
16.70	7.56	7.32	0.04	19.30	7.94	7.70	0.02
16.75	7.57	7.33	0.04	19.35	7.95	7.71	0.02
16.80	7.58	7.34	0.03	19.40	7.95	7.71	0.02
16.85	7.59	7.35	0.03	19.45	7.96	7.72	0.02
16.90	7.60	7.36	0.03	19.50	7.97	7.73	0.02
16.95	7.61	7.37	0.03	19.55	7.97	7.73	0.02
17.00	7.62	7.38	0.03	19.60	7.98	7.74	0.02
17.05	7.63	7.39	0.03	19.65	7.98	7.74	0.02
17.10	7.63	7.39	0.03	19.70	7.99	7.75	0.02
17.15	7.64	7.40	0.03	19.75	8.00	7.76	0.02
17.20	7.65	7.41	0.03	19.80	8.00	7.76	0.02
17.25	7.66	7.42	0.03	19.85	8.01	7.77	0.02
17.30	7.67	7.43	0.03	19.90	8.01	7.78	0.02
17.35	7.67	7.43	0.03	19.95	8.02	7.78	0.02
17.40	7.68	7.44	0.03	20.00	8.03	7.79	0.02
17.45	7.69	7.45	0.03	20.05	8.03	7.79	0.02
17.50	7.70	7.46	0.03	20.10	8.04	7.80	0.02
17.55	7.71	7.47	0.03	20.15	8.04	7.80	0.02
17.60	7.71	7.47	0.03	20.20	8.05	7.81	0.02
17.65	7.72	7.48	0.03	20.25	8.06	7.82	0.02
17.70	7.73	7.49	0.03	20.30	8.06	7.82	0.02
17.75	7.74	7.50	0.03	20.35	8.07	7.83	0.02
17.80	7.74	7.50	0.03	20.40	8.07	7.83	0.02
17.85	7.75	7.51	0.03	20.45	8.08	7.84	0.02
17.90	7.76	7.52	0.03	20.50	8.09	7.85	0.02
17.95	7.76	7.52	0.03	20.55	8.09	7.85	0.02
18.00	7.77	7.53	0.03	20.60	8.10	7.86	0.02
18.05	7.78	7.54	0.03	20.65	8.10	7.86	0.02
18.10	7.78	7.55	0.03	20.70	8.11	7.87	0.02
18.15	7.79	7.55	0.03	20.75	8.11	7.87	0.02

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.02	23.40	8.38	8.14	0.02
20.85	8.13	7.89	0.02	23.45	8.39	8.15	0.02
20.90	8.13	7.89	0.02	23.50	8.39	8.15	0.02
20.95	8.14	7.90	0.02	23.55	8.40	8.16	0.02
21.00	8.14	7.90	0.02	23.60	8.40	8.16	0.02
21.05	8.15	7.91	0.02	23.65	8.41	8.17	0.02
21.10	8.15	7.91	0.02	23.70	8.41	8.17	0.02
21.15	8.16	7.92	0.02	23.75	8.42	8.18	0.02
21.20	8.16	7.92	0.02	23.80	8.42	8.18	0.02
21.25	8.17	7.93	0.02	23.85	8.42	8.18	0.02
21.30	8.18	7.94	0.02	23.90	8.43	8.19	0.02
21.35	8.18	7.94	0.02	23.95	8.43	8.19	0.02
21.40	8.19	7.95	0.02	24.00	**8.44**	**8.20**	0.02
21.45	8.19	7.95	0.02	24.05	8.44	8.20	0.01
21.50	8.20	7.96	0.02	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.02	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.02	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.02	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.02	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.02	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.02	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.02	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.02	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.02	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.02	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.02	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.02	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.02	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.02	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.02	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.02	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.02	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.02	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.02	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.02	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.02	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.02	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.02	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.02	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.02	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.02	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.02	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.02	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.02	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.02	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.02	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.02	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.02	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.02	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.02	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.02	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.02	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

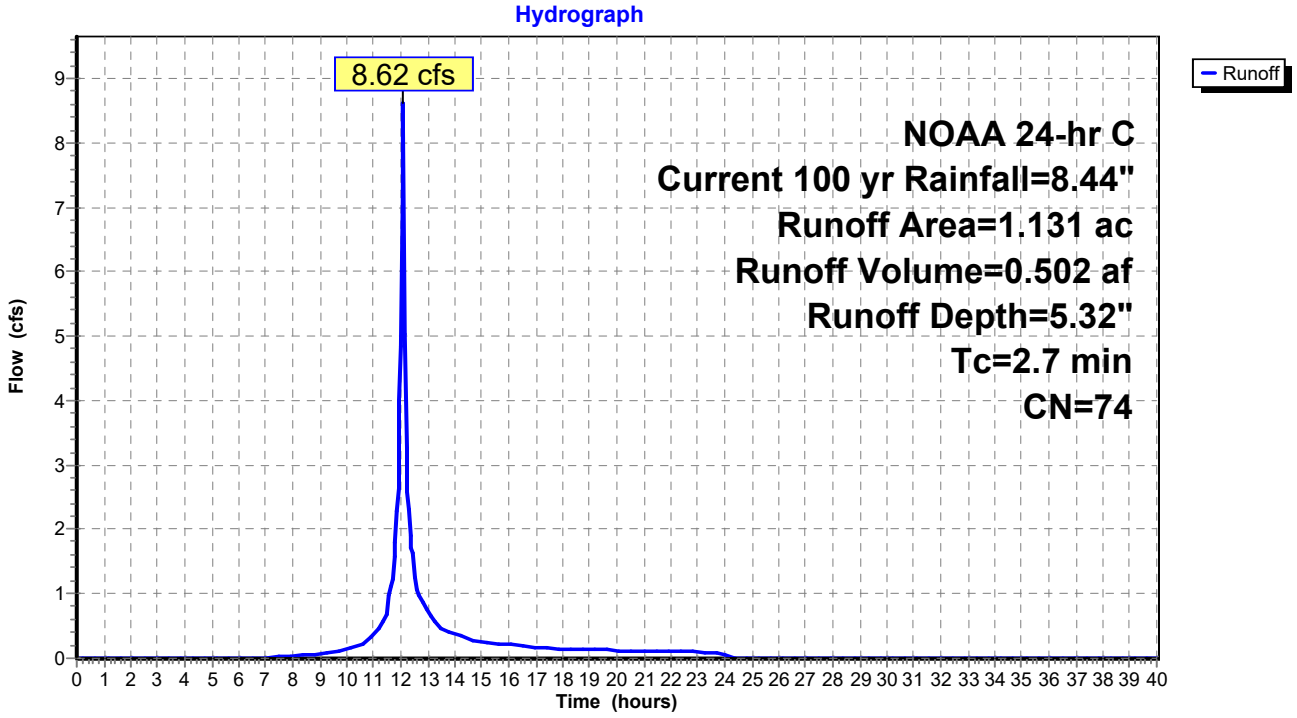
Runoff = 8.62 cfs @ 12.09 hrs, Volume= 0.502 af, Depth= 5.32"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.04
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.04
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.05
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.06
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.06
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.06
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.07
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.07
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.08
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.08
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.09
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.09
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.10
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.10
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.10
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.11
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.11
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.12
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.12
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.12
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.13
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.13
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.14
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.14
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.15
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.15
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.16
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.16
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.17
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.17
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.18

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.18	13.00	6.41	3.54	0.74
10.45	1.72	0.23	0.19	13.05	6.45	3.57	0.68
10.50	1.74	0.24	0.19	13.10	6.48	3.59	0.65
10.55	1.76	0.25	0.21	13.15	6.51	3.62	0.62
10.60	1.79	0.26	0.22	13.20	6.54	3.65	0.61
10.65	1.81	0.27	0.24	13.25	6.57	3.67	0.58
10.70	1.84	0.28	0.25	13.30	6.60	3.70	0.56
10.75	1.87	0.29	0.27	13.35	6.63	3.72	0.53
10.80	1.90	0.30	0.29	13.40	6.65	3.74	0.51
10.85	1.93	0.32	0.31	13.45	6.68	3.76	0.48
10.90	1.96	0.33	0.32	13.50	6.70	3.78	0.47
10.95	1.99	0.35	0.34	13.55	6.72	3.80	0.44
11.00	2.03	0.36	0.36	13.60	6.74	3.82	0.42
11.05	2.06	0.38	0.39	13.65	6.76	3.84	0.41
11.10	2.10	0.40	0.42	13.70	6.78	3.85	0.41
11.15	2.14	0.42	0.46	13.75	6.80	3.87	0.40
11.20	2.19	0.44	0.48	13.80	6.82	3.89	0.40
11.25	2.23	0.46	0.53	13.85	6.84	3.91	0.39
11.30	2.28	0.49	0.55	13.90	6.86	3.92	0.38
11.35	2.33	0.52	0.60	13.95	6.88	3.94	0.38
11.40	2.38	0.54	0.63	14.00	6.90	3.96	0.37
11.45	2.44	0.57	0.67	14.05	6.92	3.97	0.36
11.50	2.49	0.60	0.70	14.10	6.94	3.99	0.36
11.55	2.58	0.65	0.97	14.15	6.95	4.00	0.35
11.60	2.66	0.70	1.12	14.20	6.97	4.02	0.35
11.65	2.75	0.76	1.19	14.25	6.99	4.03	0.34
11.70	2.84	0.81	1.24	14.30	7.01	4.05	0.34
11.75	2.97	0.89	1.58	14.35	7.02	4.06	0.33
11.80	3.09	0.97	1.78	14.40	7.04	4.08	0.32
11.85	3.26	1.08	2.30	14.45	7.05	4.09	0.32
11.90	3.43	1.19	2.63	14.50	7.07	4.10	0.31
11.95	3.73	1.40	4.00	14.55	7.09	4.12	0.30
12.00	4.02	1.61	4.84	14.60	7.10	4.13	0.30
12.05	4.52	1.98	7.26	14.65	7.11	4.14	0.29
12.10	5.01	2.37	**8.49**	14.70	7.13	4.15	0.29
12.15	5.18	2.51	5.04	14.75	7.14	4.17	0.28
12.20	5.35	2.65	3.26	14.80	7.16	4.18	0.27
12.25	5.47	2.75	2.59	14.85	7.17	4.19	0.27
12.30	5.60	2.85	2.31	14.90	7.18	4.20	0.26
12.35	5.69	2.92	1.90	14.95	7.19	4.21	0.25
12.40	5.78	3.00	1.71	15.00	7.21	4.22	0.25
12.45	5.86	3.07	1.65	15.05	7.22	4.23	0.24
12.50	5.95	3.14	1.62	15.10	7.23	4.24	0.24
12.55	6.00	3.19	1.25	15.15	7.24	4.25	0.23
12.60	6.06	3.23	1.07	15.20	7.25	4.26	0.23
12.65	6.11	3.28	1.02	15.25	7.27	4.27	0.23
12.70	6.16	3.32	0.99	15.30	7.28	4.28	0.23
12.75	6.21	3.36	0.94	15.35	7.29	4.29	0.23
12.80	6.25	3.40	0.91	15.40	7.30	4.30	0.23
12.85	6.30	3.44	0.85	15.45	7.31	4.31	0.22
12.90	6.34	3.47	0.83	15.50	7.32	4.32	0.22
12.95	6.38	3.50	0.77	15.55	7.33	4.33	0.22

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.22	18.20	7.80	4.75	0.14
15.65	7.36	4.35	0.22	18.25	7.80	4.75	0.14
15.70	7.37	4.36	0.22	18.30	7.81	4.76	0.14
15.75	7.38	4.37	0.21	18.35	7.82	4.76	0.14
15.80	7.39	4.38	0.21	18.40	7.82	4.77	0.14
15.85	7.40	4.39	0.21	18.45	7.83	4.78	0.13
15.90	7.41	4.40	0.21	18.50	7.84	4.78	0.13
15.95	7.42	4.41	0.21	18.55	7.84	4.79	0.13
16.00	7.43	4.42	0.21	18.60	7.85	4.79	0.13
16.05	7.44	4.43	0.21	18.65	7.86	4.80	0.13
16.10	7.45	4.44	0.20	18.70	7.86	4.80	0.13
16.15	7.46	4.44	0.20	18.75	7.87	4.81	0.13
16.20	7.47	4.45	0.20	18.80	7.88	4.82	0.13
16.25	7.48	4.46	0.20	18.85	7.88	4.82	0.13
16.30	7.49	4.47	0.20	18.90	7.89	4.83	0.13
16.35	7.50	4.48	0.20	18.95	7.90	4.83	0.13
16.40	7.51	4.49	0.19	19.00	7.90	4.84	0.13
16.45	7.52	4.50	0.19	19.05	7.91	4.84	0.13
16.50	7.53	4.50	0.19	19.10	7.92	4.85	0.13
16.55	7.54	4.51	0.19	19.15	7.92	4.86	0.13
16.60	7.55	4.52	0.19	19.20	7.93	4.86	0.13
16.65	7.55	4.53	0.19	19.25	7.93	4.87	0.13
16.70	7.56	4.54	0.18	19.30	7.94	4.87	0.13
16.75	7.57	4.55	0.18	19.35	7.95	4.88	0.13
16.80	7.58	4.55	0.18	19.40	7.95	4.88	0.13
16.85	7.59	4.56	0.18	19.45	7.96	4.89	0.13
16.90	7.60	4.57	0.18	19.50	7.97	4.90	0.13
16.95	7.61	4.58	0.18	19.55	7.97	4.90	0.13
17.00	7.62	4.58	0.17	19.60	7.98	4.91	0.13
17.05	7.63	4.59	0.17	19.65	7.98	4.91	0.13
17.10	7.63	4.60	0.17	19.70	7.99	4.92	0.12
17.15	7.64	4.61	0.17	19.75	8.00	4.92	0.12
17.20	7.65	4.61	0.17	19.80	8.00	4.93	0.12
17.25	7.66	4.62	0.17	19.85	8.01	4.93	0.12
17.30	7.67	4.63	0.16	19.90	8.01	4.94	0.12
17.35	7.67	4.64	0.16	19.95	8.02	4.94	0.12
17.40	7.68	4.64	0.16	20.00	8.03	4.95	0.12
17.45	7.69	4.65	0.16	20.05	8.03	4.96	0.12
17.50	7.70	4.66	0.16	20.10	8.04	4.96	0.12
17.55	7.71	4.66	0.16	20.15	8.04	4.97	0.12
17.60	7.71	4.67	0.15	20.20	8.05	4.97	0.12
17.65	7.72	4.68	0.15	20.25	8.06	4.98	0.12
17.70	7.73	4.68	0.15	20.30	8.06	4.98	0.12
17.75	7.74	4.69	0.15	20.35	8.07	4.99	0.12
17.80	7.74	4.70	0.15	20.40	8.07	4.99	0.12
17.85	7.75	4.70	0.15	20.45	8.08	5.00	0.12
17.90	7.76	4.71	0.14	20.50	8.09	5.00	0.12
17.95	7.76	4.72	0.14	20.55	8.09	5.01	0.12
18.00	7.77	4.72	0.14	20.60	8.10	5.01	0.12
18.05	7.78	4.73	0.14	20.65	8.10	5.02	0.12
18.10	7.78	4.73	0.14	20.70	8.11	5.02	0.12
18.15	7.79	4.74	0.14	20.75	8.11	5.03	0.12

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.12	23.40	8.38	5.27	0.09
20.85	8.13	5.04	0.12	23.45	8.39	5.28	0.09
20.90	8.13	5.04	0.11	23.50	8.39	5.28	0.09
20.95	8.14	5.05	0.11	23.55	8.40	5.28	0.09
21.00	8.14	5.05	0.11	23.60	8.40	5.29	0.09
21.05	8.15	5.06	0.11	23.65	8.41	5.29	0.09
21.10	8.15	5.06	0.11	23.70	8.41	5.30	0.09
21.15	8.16	5.07	0.11	23.75	8.42	5.30	0.09
21.20	8.16	5.07	0.11	23.80	8.42	5.30	0.09
21.25	8.17	5.08	0.11	23.85	8.42	5.31	0.09
21.30	8.18	5.08	0.11	23.90	8.43	5.31	0.09
21.35	8.18	5.09	0.11	23.95	8.43	5.32	0.10
21.40	8.19	5.09	0.11	24.00	**8.44**	**5.32**	0.11
21.45	8.19	5.10	0.11	24.05	8.44	5.32	0.04
21.50	8.20	5.10	0.11	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.11	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.11	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.11	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.11	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.11	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.11	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.11	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.11	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.11	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.11	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.11	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.10	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.10	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.10	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.10	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.10	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.10	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.10	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.10	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.10	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.10	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.10	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.10	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.10	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.10	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.10	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.10	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.10	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.10	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.10	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.10	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.10	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.10	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.10	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.09	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.09	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.09	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

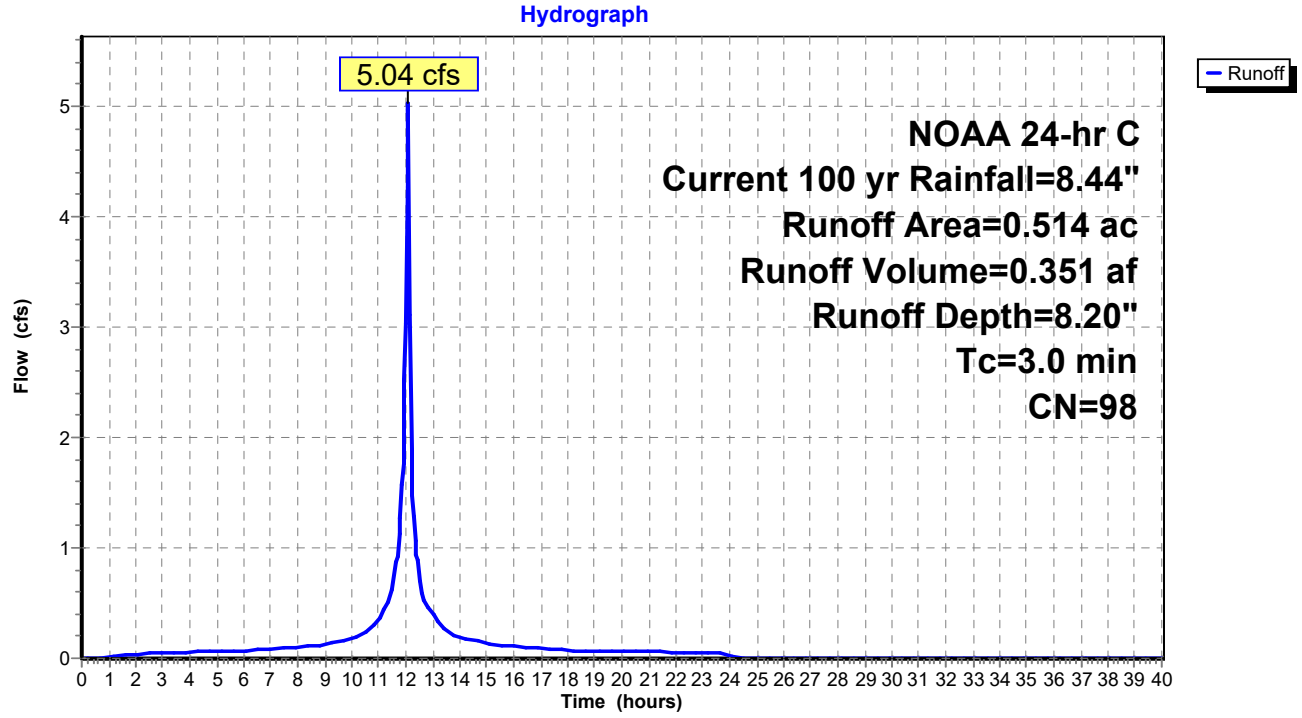
Runoff = 5.04 cfs @ 12.09 hrs, Volume= 0.351 af, Depth= 8.20"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.05
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.05
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.05
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.05
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.05
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.05
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.05
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.05
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.05
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.05
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.05
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.05
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.05
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.05
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.05
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.05
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.05
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.06
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.06
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.06
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.06
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.06
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.06
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.06
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.06
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.06
2.05	0.20	0.07	0.04	4.65	0.49	0.31	0.06
2.10	0.20	0.07	0.04	4.70	0.50	0.32	0.06
2.15	0.21	0.07	0.04	4.75	0.51	0.32	0.06
2.20	0.21	0.08	0.04	4.80	0.51	0.33	0.06
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.06
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.06
2.35	0.23	0.09	0.04	4.95	0.53	0.35	0.06
2.40	0.23	0.09	0.04	5.00	0.54	0.35	0.06
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.06
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.06
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.06

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.06	7.80	0.97	0.76	0.10
5.25	0.57	0.38	0.06	7.85	0.98	0.77	0.10
5.30	0.58	0.39	0.06	7.90	0.99	0.78	0.10
5.35	0.58	0.39	0.06	7.95	1.00	0.79	0.10
5.40	0.59	0.40	0.06	8.00	1.01	0.80	0.10
5.45	0.60	0.41	0.06	8.05	1.02	0.81	0.10
5.50	0.60	0.41	0.06	8.10	1.03	0.82	0.10
5.55	0.61	0.42	0.06	8.15	1.04	0.83	0.10
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.11
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.11
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.11
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.11
5.80	0.64	0.45	0.07	8.40	1.10	0.88	0.11
5.85	0.65	0.45	0.07	8.45	1.11	0.89	0.11
5.90	0.66	0.46	0.07	8.50	1.12	0.91	0.11
5.95	0.66	0.47	0.07	8.55	1.13	0.92	0.11
6.00	0.67	0.47	0.07	8.60	1.14	0.93	0.11
6.05	0.68	0.48	0.07	8.65	1.15	0.94	0.11
6.10	0.68	0.49	0.07	8.70	1.16	0.95	0.11
6.15	0.69	0.49	0.07	8.75	1.17	0.96	0.12
6.20	0.70	0.50	0.07	8.80	1.19	0.97	0.12
6.25	0.70	0.51	0.07	8.85	1.20	0.98	0.12
6.30	0.71	0.51	0.07	8.90	1.21	0.99	0.12
6.35	0.72	0.52	0.07	8.95	1.22	1.01	0.12
6.40	0.73	0.53	0.07	9.00	1.23	1.02	0.12
6.45	0.73	0.54	0.07	9.05	1.25	1.03	0.12
6.50	0.74	0.54	0.08	9.10	1.26	1.04	0.13
6.55	0.75	0.55	0.08	9.15	1.27	1.05	0.13
6.60	0.76	0.56	0.08	9.20	1.28	1.07	0.13
6.65	0.77	0.57	0.08	9.25	1.30	1.08	0.14
6.70	0.77	0.57	0.08	9.30	1.31	1.09	0.14
6.75	0.78	0.58	0.08	9.35	1.33	1.11	0.14
6.80	0.79	0.59	0.08	9.40	1.34	1.12	0.15
6.85	0.80	0.60	0.08	9.45	1.35	1.14	0.15
6.90	0.81	0.60	0.08	9.50	1.37	1.15	0.15
6.95	0.81	0.61	0.08	9.55	1.39	1.17	0.16
7.00	0.82	0.62	0.08	9.60	1.40	1.18	0.16
7.05	0.83	0.63	0.09	9.65	1.42	1.20	0.16
7.10	0.84	0.64	0.09	9.70	1.43	1.21	0.17
7.15	0.85	0.65	0.09	9.75	1.45	1.23	0.17
7.20	0.86	0.65	0.09	9.80	1.47	1.25	0.17
7.25	0.87	0.66	0.09	9.85	1.49	1.27	0.18
7.30	0.88	0.67	0.09	9.90	1.50	1.28	0.18
7.35	0.89	0.68	0.09	9.95	1.52	1.30	0.18
7.40	0.89	0.69	0.09	10.00	1.54	1.32	0.19
7.45	0.90	0.70	0.09	10.05	1.56	1.34	0.19
7.50	0.91	0.71	0.09	10.10	1.58	1.36	0.19
7.55	0.92	0.72	0.09	10.15	1.60	1.37	0.20
7.60	0.93	0.73	0.09	10.20	1.62	1.39	0.20
7.65	0.94	0.73	0.10	10.25	1.64	1.41	0.20
7.70	0.95	0.74	0.10	10.30	1.66	1.43	0.20
7.75	0.96	0.75	0.10	10.35	1.68	1.45	0.21

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.21	13.00	6.41	6.18	0.39
10.45	1.72	1.50	0.22	13.05	6.45	6.21	0.37
10.50	1.74	1.52	0.22	13.10	6.48	6.24	0.35
10.55	1.76	1.54	0.23	13.15	6.51	6.27	0.33
10.60	1.79	1.56	0.24	13.20	6.54	6.30	0.32
10.65	1.81	1.59	0.26	13.25	6.57	6.33	0.31
10.70	1.84	1.62	0.27	13.30	6.60	6.36	0.30
10.75	1.87	1.64	0.28	13.35	6.63	6.39	0.28
10.80	1.90	1.67	0.29	13.40	6.65	6.41	0.27
10.85	1.93	1.70	0.31	13.45	6.68	6.44	0.26
10.90	1.96	1.73	0.32	13.50	6.70	6.46	0.25
10.95	1.99	1.77	0.33	13.55	6.72	6.48	0.23
11.00	2.03	1.80	0.34	13.60	6.74	6.50	0.22
11.05	2.06	1.84	0.37	13.65	6.76	6.53	0.22
11.10	2.10	1.87	0.39	13.70	6.78	6.55	0.21
11.15	2.14	1.92	0.42	13.75	6.80	6.57	0.21
11.20	2.19	1.96	0.44	13.80	6.82	6.59	0.21
11.25	2.23	2.01	0.47	13.85	6.84	6.61	0.20
11.30	2.28	2.05	0.48	13.90	6.86	6.62	0.20
11.35	2.33	2.10	0.51	13.95	6.88	6.64	0.20
11.40	2.38	2.16	0.53	14.00	6.90	6.66	0.19
11.45	2.44	2.21	0.55	14.05	6.92	6.68	0.19
11.50	2.49	2.26	0.57	14.10	6.94	6.70	0.19
11.55	2.58	2.35	0.75	14.15	6.95	6.72	0.18
11.60	2.66	2.43	0.87	14.20	6.97	6.73	0.18
11.65	2.75	2.52	0.91	14.25	6.99	6.75	0.18
11.70	2.84	2.61	0.93	14.30	7.01	6.77	0.17
11.75	2.97	2.74	1.13	14.35	7.02	6.78	0.17
11.80	3.09	2.86	1.27	14.40	7.04	6.80	0.17
11.85	3.26	3.03	1.57	14.45	7.05	6.82	0.16
11.90	3.43	3.20	1.77	14.50	7.07	6.83	0.16
11.95	3.73	3.49	2.53	14.55	7.09	6.85	0.16
12.00	4.02	3.79	3.03	14.60	7.10	6.86	0.16
12.05	4.52	4.28	4.27	14.65	7.11	6.88	0.15
12.10	5.01	4.77	**4.97**	14.70	7.13	6.89	0.15
12.15	5.18	4.94	3.11	14.75	7.14	6.90	0.14
12.20	5.35	5.11	1.88	14.80	7.16	6.92	0.14
12.25	5.47	5.24	1.48	14.85	7.17	6.93	0.14
12.30	5.60	5.36	1.29	14.90	7.18	6.94	0.14
12.35	5.69	5.45	1.07	14.95	7.19	6.96	0.13
12.40	5.78	5.54	0.94	15.00	7.21	6.97	0.13
12.45	5.86	5.62	0.90	15.05	7.22	6.98	0.13
12.50	5.95	5.71	0.88	15.10	7.23	6.99	0.12
12.55	6.00	5.76	0.70	15.15	7.24	7.00	0.12
12.60	6.06	5.82	0.58	15.20	7.25	7.02	0.12
12.65	6.11	5.87	0.55	15.25	7.27	7.03	0.12
12.70	6.16	5.92	0.54	15.30	7.28	7.04	0.12
12.75	6.21	5.97	0.51	15.35	7.29	7.05	0.12
12.80	6.25	6.02	0.49	15.40	7.30	7.06	0.12
12.85	6.30	6.06	0.46	15.45	7.31	7.07	0.12
12.90	6.34	6.10	0.44	15.50	7.32	7.08	0.12
12.95	6.38	6.14	0.41	15.55	7.33	7.09	0.11

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.11	18.20	7.80	7.56	0.07
15.65	7.36	7.12	0.11	18.25	7.80	7.57	0.07
15.70	7.37	7.13	0.11	18.30	7.81	7.57	0.07
15.75	7.38	7.14	0.11	18.35	7.82	7.58	0.07
15.80	7.39	7.15	0.11	18.40	7.82	7.59	0.07
15.85	7.40	7.16	0.11	18.45	7.83	7.59	0.07
15.90	7.41	7.17	0.11	18.50	7.84	7.60	0.07
15.95	7.42	7.18	0.11	18.55	7.84	7.61	0.07
16.00	7.43	7.19	0.11	18.60	7.85	7.61	0.07
16.05	7.44	7.20	0.11	18.65	7.86	7.62	0.07
16.10	7.45	7.21	0.11	18.70	7.86	7.62	0.07
16.15	7.46	7.22	0.10	18.75	7.87	7.63	0.07
16.20	7.47	7.23	0.10	18.80	7.88	7.64	0.07
16.25	7.48	7.24	0.10	18.85	7.88	7.64	0.07
16.30	7.49	7.25	0.10	18.90	7.89	7.65	0.07
16.35	7.50	7.26	0.10	18.95	7.90	7.66	0.07
16.40	7.51	7.27	0.10	19.00	7.90	7.66	0.07
16.45	7.52	7.28	0.10	19.05	7.91	7.67	0.07
16.50	7.53	7.29	0.10	19.10	7.92	7.68	0.07
16.55	7.54	7.30	0.10	19.15	7.92	7.68	0.07
16.60	7.55	7.31	0.10	19.20	7.93	7.69	0.07
16.65	7.55	7.32	0.10	19.25	7.93	7.70	0.07
16.70	7.56	7.32	0.09	19.30	7.94	7.70	0.07
16.75	7.57	7.33	0.09	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.09	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.09	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.09	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.09	19.55	7.97	7.73	0.06
17.00	7.62	7.38	0.09	19.60	7.98	7.74	0.06
17.05	7.63	7.39	0.09	19.65	7.98	7.74	0.06
17.10	7.63	7.39	0.09	19.70	7.99	7.75	0.06
17.15	7.64	7.40	0.09	19.75	8.00	7.76	0.06
17.20	7.65	7.41	0.09	19.80	8.00	7.76	0.06
17.25	7.66	7.42	0.08	19.85	8.01	7.77	0.06
17.30	7.67	7.43	0.08	19.90	8.01	7.78	0.06
17.35	7.67	7.43	0.08	19.95	8.02	7.78	0.06
17.40	7.68	7.44	0.08	20.00	8.03	7.79	0.06
17.45	7.69	7.45	0.08	20.05	8.03	7.79	0.06
17.50	7.70	7.46	0.08	20.10	8.04	7.80	0.06
17.55	7.71	7.47	0.08	20.15	8.04	7.80	0.06
17.60	7.71	7.47	0.08	20.20	8.05	7.81	0.06
17.65	7.72	7.48	0.08	20.25	8.06	7.82	0.06
17.70	7.73	7.49	0.08	20.30	8.06	7.82	0.06
17.75	7.74	7.50	0.08	20.35	8.07	7.83	0.06
17.80	7.74	7.50	0.08	20.40	8.07	7.83	0.06
17.85	7.75	7.51	0.07	20.45	8.08	7.84	0.06
17.90	7.76	7.52	0.07	20.50	8.09	7.85	0.06
17.95	7.76	7.52	0.07	20.55	8.09	7.85	0.06
18.00	7.77	7.53	0.07	20.60	8.10	7.86	0.06
18.05	7.78	7.54	0.07	20.65	8.10	7.86	0.06
18.10	7.78	7.55	0.07	20.70	8.11	7.87	0.06
18.15	7.79	7.55	0.07	20.75	8.11	7.87	0.06

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.06	23.40	8.38	8.14	0.05
20.85	8.13	7.89	0.06	23.45	8.39	8.15	0.05
20.90	8.13	7.89	0.06	23.50	8.39	8.15	0.05
20.95	8.14	7.90	0.06	23.55	8.40	8.16	0.05
21.00	8.14	7.90	0.06	23.60	8.40	8.16	0.05
21.05	8.15	7.91	0.06	23.65	8.41	8.17	0.05
21.10	8.15	7.91	0.06	23.70	8.41	8.17	0.05
21.15	8.16	7.92	0.06	23.75	8.42	8.18	0.05
21.20	8.16	7.92	0.06	23.80	8.42	8.18	0.05
21.25	8.17	7.93	0.06	23.85	8.42	8.18	0.05
21.30	8.18	7.94	0.06	23.90	8.43	8.19	0.05
21.35	8.18	7.94	0.06	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.06	24.00	**8.44**	**8.20**	0.05
21.45	8.19	7.95	0.06	24.05	8.44	8.20	0.02
21.50	8.20	7.96	0.06	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.06	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.06	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.05	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.05	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.05	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.05	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.05	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.05	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.05	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.05	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.05	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.05	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.05	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.05	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.05	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.05	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.05	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.05	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.05	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.05	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.05	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.05	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.05	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.05	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.05	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

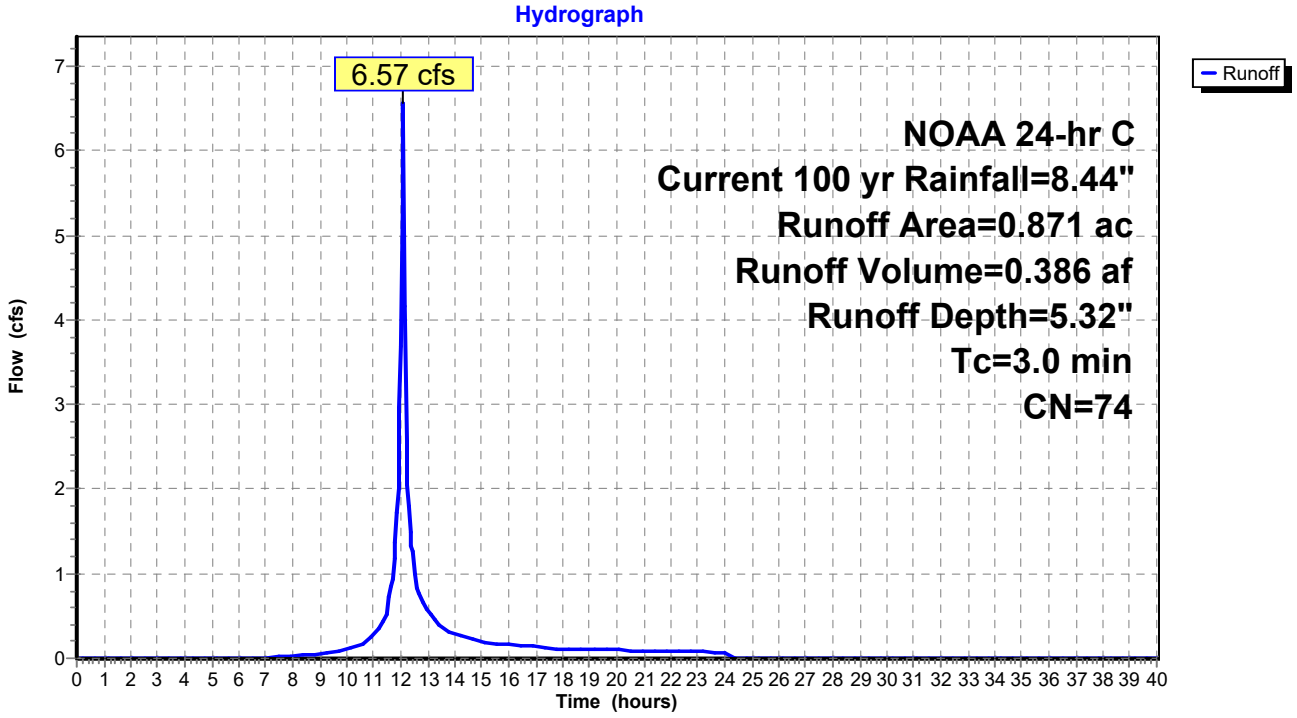
Runoff = 6.57 cfs @ 12.09 hrs, Volume= 0.386 af, Depth= 5.32"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.04
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.05
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.05
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.06
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.06
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.07
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.07
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.07
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.08
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.08
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.09
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.09
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.09
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.09
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.10
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.10
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.11
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.11
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.11
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.12
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.12
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.12
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.13
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.13
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.14

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.14	13.00	6.41	3.54	0.57
10.45	1.72	0.23	0.15	13.05	6.45	3.57	0.53
10.50	1.74	0.24	0.15	13.10	6.48	3.59	0.51
10.55	1.76	0.25	0.16	13.15	6.51	3.62	0.48
10.60	1.79	0.26	0.17	13.20	6.54	3.65	0.47
10.65	1.81	0.27	0.18	13.25	6.57	3.67	0.45
10.70	1.84	0.28	0.19	13.30	6.60	3.70	0.43
10.75	1.87	0.29	0.21	13.35	6.63	3.72	0.41
10.80	1.90	0.30	0.22	13.40	6.65	3.74	0.40
10.85	1.93	0.32	0.23	13.45	6.68	3.76	0.37
10.90	1.96	0.33	0.25	13.50	6.70	3.78	0.36
10.95	1.99	0.35	0.26	13.55	6.72	3.80	0.34
11.00	2.03	0.36	0.27	13.60	6.74	3.82	0.33
11.05	2.06	0.38	0.30	13.65	6.76	3.84	0.32
11.10	2.10	0.40	0.32	13.70	6.78	3.85	0.31
11.15	2.14	0.42	0.35	13.75	6.80	3.87	0.31
11.20	2.19	0.44	0.37	13.80	6.82	3.89	0.31
11.25	2.23	0.46	0.40	13.85	6.84	3.91	0.30
11.30	2.28	0.49	0.43	13.90	6.86	3.92	0.30
11.35	2.33	0.52	0.46	13.95	6.88	3.94	0.29
11.40	2.38	0.54	0.48	14.00	6.90	3.96	0.29
11.45	2.44	0.57	0.51	14.05	6.92	3.97	0.28
11.50	2.49	0.60	0.54	14.10	6.94	3.99	0.28
11.55	2.58	0.65	0.72	14.15	6.95	4.00	0.27
11.60	2.66	0.70	0.85	14.20	6.97	4.02	0.27
11.65	2.75	0.76	0.91	14.25	6.99	4.03	0.26
11.70	2.84	0.81	0.95	14.30	7.01	4.05	0.26
11.75	2.97	0.89	1.19	14.35	7.02	4.06	0.25
11.80	3.09	0.97	1.36	14.40	7.04	4.08	0.25
11.85	3.26	1.08	1.73	14.45	7.05	4.09	0.24
11.90	3.43	1.19	2.00	14.50	7.07	4.10	0.24
11.95	3.73	1.40	2.97	14.55	7.09	4.12	0.23
12.00	4.02	1.61	3.68	14.60	7.10	4.13	0.23
12.05	4.52	1.98	5.39	14.65	7.11	4.14	0.22
12.10	5.01	2.37	**6.51**	14.70	7.13	4.15	0.22
12.15	5.18	2.51	4.17	14.75	7.14	4.17	0.22
12.20	5.35	2.65	2.58	14.80	7.16	4.18	0.21
12.25	5.47	2.75	2.05	14.85	7.17	4.19	0.21
12.30	5.60	2.85	1.79	14.90	7.18	4.20	0.20
12.35	5.69	2.92	1.50	14.95	7.19	4.21	0.20
12.40	5.78	3.00	1.32	15.00	7.21	4.22	0.19
12.45	5.86	3.07	1.28	15.05	7.22	4.23	0.19
12.50	5.95	3.14	1.25	15.10	7.23	4.24	0.18
12.55	6.00	3.19	0.99	15.15	7.24	4.25	0.18
12.60	6.06	3.23	0.83	15.20	7.25	4.26	0.18
12.65	6.11	3.28	0.79	15.25	7.27	4.27	0.18
12.70	6.16	3.32	0.77	15.30	7.28	4.28	0.18
12.75	6.21	3.36	0.73	15.35	7.29	4.29	0.18
12.80	6.25	3.40	0.70	15.40	7.30	4.30	0.18
12.85	6.30	3.44	0.66	15.45	7.31	4.31	0.17
12.90	6.34	3.47	0.64	15.50	7.32	4.32	0.17
12.95	6.38	3.50	0.60	15.55	7.33	4.33	0.17

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.17	18.20	7.80	4.75	0.11
15.65	7.36	4.35	0.17	18.25	7.80	4.75	0.11
15.70	7.37	4.36	0.17	18.30	7.81	4.76	0.10
15.75	7.38	4.37	0.17	18.35	7.82	4.76	0.10
15.80	7.39	4.38	0.16	18.40	7.82	4.77	0.10
15.85	7.40	4.39	0.16	18.45	7.83	4.78	0.10
15.90	7.41	4.40	0.16	18.50	7.84	4.78	0.10
15.95	7.42	4.41	0.16	18.55	7.84	4.79	0.10
16.00	7.43	4.42	0.16	18.60	7.85	4.79	0.10
16.05	7.44	4.43	0.16	18.65	7.86	4.80	0.10
16.10	7.45	4.44	0.16	18.70	7.86	4.80	0.10
16.15	7.46	4.44	0.16	18.75	7.87	4.81	0.10
16.20	7.47	4.45	0.16	18.80	7.88	4.82	0.10
16.25	7.48	4.46	0.15	18.85	7.88	4.82	0.10
16.30	7.49	4.47	0.15	18.90	7.89	4.83	0.10
16.35	7.50	4.48	0.15	18.95	7.90	4.83	0.10
16.40	7.51	4.49	0.15	19.00	7.90	4.84	0.10
16.45	7.52	4.50	0.15	19.05	7.91	4.84	0.10
16.50	7.53	4.50	0.15	19.10	7.92	4.85	0.10
16.55	7.54	4.51	0.15	19.15	7.92	4.86	0.10
16.60	7.55	4.52	0.14	19.20	7.93	4.86	0.10
16.65	7.55	4.53	0.14	19.25	7.93	4.87	0.10
16.70	7.56	4.54	0.14	19.30	7.94	4.87	0.10
16.75	7.57	4.55	0.14	19.35	7.95	4.88	0.10
16.80	7.58	4.55	0.14	19.40	7.95	4.88	0.10
16.85	7.59	4.56	0.14	19.45	7.96	4.89	0.10
16.90	7.60	4.57	0.14	19.50	7.97	4.90	0.10
16.95	7.61	4.58	0.14	19.55	7.97	4.90	0.10
17.00	7.62	4.58	0.13	19.60	7.98	4.91	0.10
17.05	7.63	4.59	0.13	19.65	7.98	4.91	0.10
17.10	7.63	4.60	0.13	19.70	7.99	4.92	0.10
17.15	7.64	4.61	0.13	19.75	8.00	4.92	0.10
17.20	7.65	4.61	0.13	19.80	8.00	4.93	0.10
17.25	7.66	4.62	0.13	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.13	19.90	8.01	4.94	0.09
17.35	7.67	4.64	0.13	19.95	8.02	4.94	0.09
17.40	7.68	4.64	0.12	20.00	8.03	4.95	0.09
17.45	7.69	4.65	0.12	20.05	8.03	4.96	0.09
17.50	7.70	4.66	0.12	20.10	8.04	4.96	0.09
17.55	7.71	4.66	0.12	20.15	8.04	4.97	0.09
17.60	7.71	4.67	0.12	20.20	8.05	4.97	0.09
17.65	7.72	4.68	0.12	20.25	8.06	4.98	0.09
17.70	7.73	4.68	0.12	20.30	8.06	4.98	0.09
17.75	7.74	4.69	0.12	20.35	8.07	4.99	0.09
17.80	7.74	4.70	0.11	20.40	8.07	4.99	0.09
17.85	7.75	4.70	0.11	20.45	8.08	5.00	0.09
17.90	7.76	4.71	0.11	20.50	8.09	5.00	0.09
17.95	7.76	4.72	0.11	20.55	8.09	5.01	0.09
18.00	7.77	4.72	0.11	20.60	8.10	5.01	0.09
18.05	7.78	4.73	0.11	20.65	8.10	5.02	0.09
18.10	7.78	4.73	0.11	20.70	8.11	5.02	0.09
18.15	7.79	4.74	0.11	20.75	8.11	5.03	0.09

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.09	23.40	8.38	5.27	0.07
20.85	8.13	5.04	0.09	23.45	8.39	5.28	0.07
20.90	8.13	5.04	0.09	23.50	8.39	5.28	0.07
20.95	8.14	5.05	0.09	23.55	8.40	5.28	0.07
21.00	8.14	5.05	0.09	23.60	8.40	5.29	0.07
21.05	8.15	5.06	0.09	23.65	8.41	5.29	0.07
21.10	8.15	5.06	0.09	23.70	8.41	5.30	0.07
21.15	8.16	5.07	0.09	23.75	8.42	5.30	0.07
21.20	8.16	5.07	0.09	23.80	8.42	5.30	0.07
21.25	8.17	5.08	0.09	23.85	8.42	5.31	0.07
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.07
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.08
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.08	24.05	8.44	5.32	0.03
21.50	8.20	5.10	0.08	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.08	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.08	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.08	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.08	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.08	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.08	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.08	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.08	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.08	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.08	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.08	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.08	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.08	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.08	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.08	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.08	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.08	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.08	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.08	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.08	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.08	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.08	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.07	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.07	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.07	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.07	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.07	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.07	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.07	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

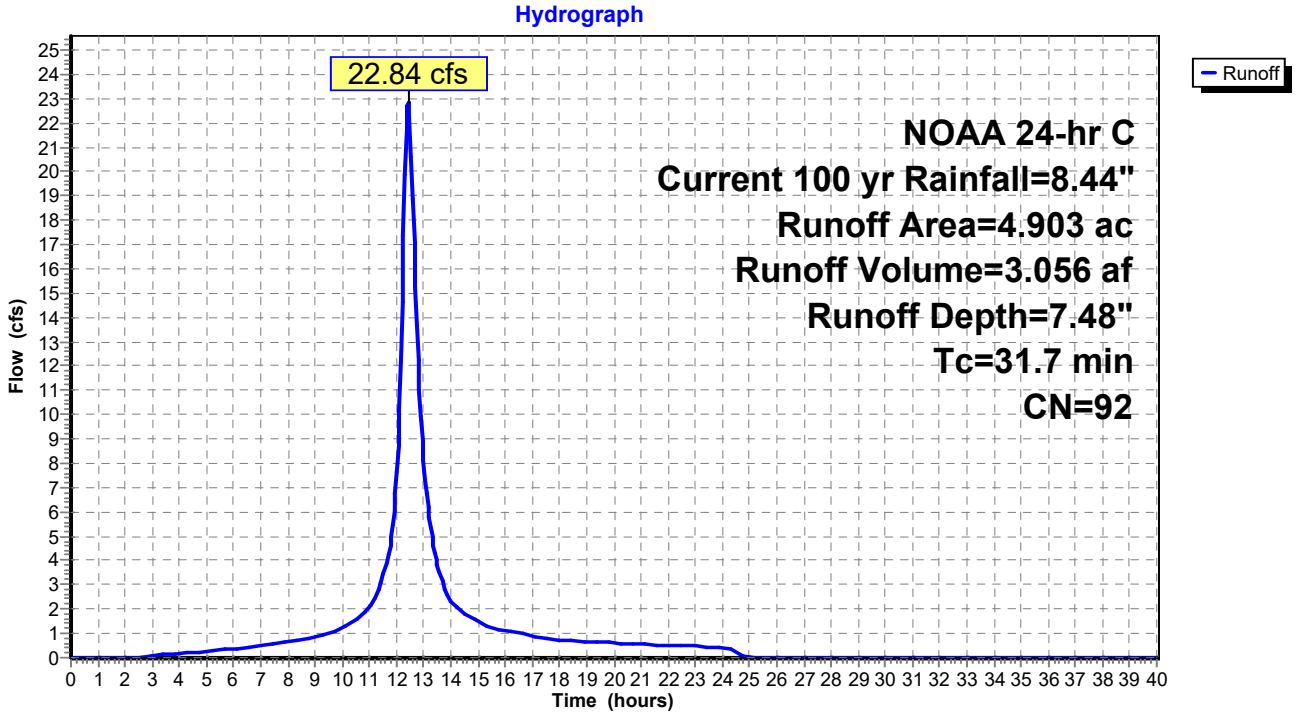
Runoff = 22.84 cfs @ 12.43 hrs, Volume= 3.056 af, Depth= 7.48"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.01	0.03
0.05	0.01	0.00	0.00	2.65	0.26	0.01	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.01	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.01	0.05
0.20	0.02	0.00	0.00	2.80	0.28	0.01	0.05
0.25	0.02	0.00	0.00	2.85	0.28	0.01	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.01	0.07
0.35	0.03	0.00	0.00	2.95	0.29	0.01	0.07
0.40	0.04	0.00	0.00	3.00	0.30	0.02	0.08
0.45	0.04	0.00	0.00	3.05	0.30	0.02	0.08
0.50	0.05	0.00	0.00	3.10	0.31	0.02	0.09
0.55	0.05	0.00	0.00	3.15	0.31	0.02	0.09
0.60	0.06	0.00	0.00	3.20	0.32	0.02	0.10
0.65	0.06	0.00	0.00	3.25	0.33	0.02	0.10
0.70	0.06	0.00	0.00	3.30	0.33	0.02	0.11
0.75	0.07	0.00	0.00	3.35	0.34	0.03	0.11
0.80	0.07	0.00	0.00	3.40	0.34	0.03	0.12
0.85	0.08	0.00	0.00	3.45	0.35	0.03	0.12
0.90	0.08	0.00	0.00	3.50	0.35	0.03	0.13
0.95	0.09	0.00	0.00	3.55	0.36	0.03	0.13
1.00	0.09	0.00	0.00	3.60	0.37	0.03	0.14
1.05	0.10	0.00	0.00	3.65	0.37	0.04	0.14
1.10	0.10	0.00	0.00	3.70	0.38	0.04	0.15
1.15	0.11	0.00	0.00	3.75	0.38	0.04	0.15
1.20	0.11	0.00	0.00	3.80	0.39	0.04	0.16
1.25	0.12	0.00	0.00	3.85	0.40	0.04	0.17
1.30	0.12	0.00	0.00	3.90	0.40	0.05	0.17
1.35	0.13	0.00	0.00	3.95	0.41	0.05	0.17
1.40	0.13	0.00	0.00	4.00	0.41	0.05	0.18
1.45	0.14	0.00	0.00	4.05	0.42	0.05	0.18
1.50	0.14	0.00	0.00	4.10	0.43	0.06	0.19
1.55	0.15	0.00	0.00	4.15	0.43	0.06	0.19
1.60	0.15	0.00	0.00	4.20	0.44	0.06	0.20
1.65	0.16	0.00	0.00	4.25	0.44	0.06	0.20
1.70	0.16	0.00	0.00	4.30	0.45	0.07	0.21
1.75	0.17	0.00	0.00	4.35	0.46	0.07	0.21
1.80	0.17	0.00	0.00	4.40	0.46	0.07	0.22
1.85	0.18	0.00	0.00	4.45	0.47	0.07	0.22
1.90	0.18	0.00	0.00	4.50	0.47	0.08	0.23
1.95	0.19	0.00	0.00	4.55	0.48	0.08	0.23
2.00	0.19	0.00	0.00	4.60	0.49	0.08	0.24
2.05	0.20	0.00	0.00	4.65	0.49	0.09	0.24
2.10	0.20	0.00	0.00	4.70	0.50	0.09	0.25
2.15	0.21	0.00	0.00	4.75	0.51	0.09	0.25
2.20	0.21	0.00	0.00	4.80	0.51	0.09	0.26
2.25	0.22	0.00	0.01	4.85	0.52	0.10	0.26
2.30	0.22	0.00	0.01	4.90	0.52	0.10	0.27
2.35	0.23	0.00	0.01	4.95	0.53	0.10	0.27
2.40	0.23	0.00	0.02	5.00	0.54	0.11	0.27
2.45	0.24	0.00	0.02	5.05	0.54	0.11	0.28
2.50	0.24	0.01	0.02	5.10	0.55	0.11	0.28
2.55	0.25	0.01	0.03	5.15	0.56	0.12	0.29

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.12	0.29	7.80	0.97	0.38	0.62
5.25	0.57	0.12	0.30	7.85	0.98	0.39	0.63
5.30	0.58	0.13	0.30	7.90	0.99	0.40	0.64
5.35	0.58	0.13	0.31	7.95	1.00	0.40	0.65
5.40	0.59	0.13	0.31	8.00	1.01	0.41	0.66
5.45	0.60	0.14	0.31	8.05	1.02	0.42	0.67
5.50	0.60	0.14	0.32	8.10	1.03	0.43	0.68
5.55	0.61	0.14	0.32	8.15	1.04	0.43	0.69
5.60	0.62	0.15	0.33	8.20	1.05	0.44	0.70
5.65	0.62	0.15	0.33	8.25	1.06	0.45	0.71
5.70	0.63	0.16	0.34	8.30	1.07	0.46	0.71
5.75	0.64	0.16	0.34	8.35	1.08	0.47	0.72
5.80	0.64	0.16	0.34	8.40	1.10	0.47	0.73
5.85	0.65	0.17	0.35	8.45	1.11	0.48	0.74
5.90	0.66	0.17	0.35	8.50	1.12	0.49	0.75
5.95	0.66	0.18	0.36	8.55	1.13	0.50	0.76
6.00	0.67	0.18	0.36	8.60	1.14	0.51	0.77
6.05	0.68	0.18	0.36	8.65	1.15	0.52	0.78
6.10	0.68	0.19	0.37	8.70	1.16	0.53	0.79
6.15	0.69	0.19	0.37	8.75	1.17	0.54	0.80
6.20	0.70	0.20	0.38	8.80	1.19	0.54	0.81
6.25	0.70	0.20	0.38	8.85	1.20	0.55	0.82
6.30	0.71	0.21	0.39	8.90	1.21	0.56	0.83
6.35	0.72	0.21	0.39	8.95	1.22	0.57	0.84
6.40	0.73	0.21	0.40	9.00	1.23	0.58	0.85
6.45	0.73	0.22	0.40	9.05	1.25	0.59	0.85
6.50	0.74	0.22	0.41	9.10	1.26	0.60	0.86
6.55	0.75	0.23	0.42	9.15	1.27	0.61	0.87
6.60	0.76	0.23	0.42	9.20	1.28	0.62	0.89
6.65	0.77	0.24	0.43	9.25	1.30	0.63	0.90
6.70	0.77	0.24	0.44	9.30	1.31	0.64	0.91
6.75	0.78	0.25	0.45	9.35	1.33	0.66	0.93
6.80	0.79	0.26	0.45	9.40	1.34	0.67	0.95
6.85	0.80	0.26	0.46	9.45	1.35	0.68	0.97
6.90	0.81	0.27	0.47	9.50	1.37	0.69	0.99
6.95	0.81	0.27	0.48	9.55	1.39	0.71	1.01
7.00	0.82	0.28	0.49	9.60	1.40	0.72	1.04
7.05	0.83	0.28	0.49	9.65	1.42	0.73	1.06
7.10	0.84	0.29	0.50	9.70	1.43	0.75	1.09
7.15	0.85	0.30	0.51	9.75	1.45	0.76	1.11
7.20	0.86	0.30	0.52	9.80	1.47	0.77	1.14
7.25	0.87	0.31	0.53	9.85	1.49	0.79	1.17
7.30	0.88	0.31	0.54	9.90	1.50	0.80	1.20
7.35	0.89	0.32	0.55	9.95	1.52	0.82	1.23
7.40	0.89	0.33	0.55	10.00	1.54	0.83	1.26
7.45	0.90	0.33	0.56	10.05	1.56	0.85	1.28
7.50	0.91	0.34	0.57	10.10	1.58	0.87	1.31
7.55	0.92	0.35	0.58	10.15	1.60	0.88	1.34
7.60	0.93	0.35	0.59	10.20	1.62	0.90	1.37
7.65	0.94	0.36	0.60	10.25	1.64	0.92	1.40
7.70	0.95	0.37	0.61	10.30	1.66	0.93	1.43
7.75	0.96	0.37	0.61	10.35	1.68	0.95	1.47

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.97	1.50	13.00	6.41	5.48	8.12
10.45	1.72	0.99	1.53	13.05	6.45	5.51	7.39
10.50	1.74	1.01	1.56	13.10	6.48	5.54	6.75
10.55	1.76	1.03	1.59	13.15	6.51	5.57	6.21
10.60	1.79	1.05	1.62	13.20	6.54	5.60	5.74
10.65	1.81	1.07	1.66	13.25	6.57	5.63	5.32
10.70	1.84	1.09	1.69	13.30	6.60	5.66	4.95
10.75	1.87	1.12	1.74	13.35	6.63	5.69	4.62
10.80	1.90	1.14	1.79	13.40	6.65	5.71	4.32
10.85	1.93	1.17	1.85	13.45	6.68	5.74	4.05
10.90	1.96	1.20	1.91	13.50	6.70	5.76	3.82
10.95	1.99	1.23	1.99	13.55	6.72	5.78	3.60
11.00	2.03	1.26	2.07	13.60	6.74	5.80	3.41
11.05	2.06	1.29	2.16	13.65	6.76	5.82	3.22
11.10	2.10	1.33	2.26	13.70	6.78	5.84	3.06
11.15	2.14	1.37	2.36	13.75	6.80	5.86	2.90
11.20	2.19	1.41	2.47	13.80	6.82	5.88	2.75
11.25	2.23	1.45	2.59	13.85	6.84	5.90	2.62
11.30	2.28	1.49	2.72	13.90	6.86	5.92	2.50
11.35	2.33	1.54	2.86	13.95	6.88	5.94	2.40
11.40	2.38	1.59	3.01	14.00	6.90	5.96	2.32
11.45	2.44	1.64	3.18	14.05	6.92	5.98	2.24
11.50	2.49	1.69	3.36	14.10	6.94	5.99	2.17
11.55	2.58	1.77	3.54	14.15	6.95	6.01	2.11
11.60	2.66	1.85	3.74	14.20	6.97	6.03	2.06
11.65	2.75	1.93	3.98	14.25	6.99	6.04	2.01
11.70	2.84	2.01	4.25	14.30	7.01	6.06	1.97
11.75	2.97	2.13	4.59	14.35	7.02	6.08	1.93
11.80	3.09	2.25	5.00	14.40	7.04	6.09	1.89
11.85	3.26	2.41	5.48	14.45	7.05	6.11	1.85
11.90	3.43	2.57	6.05	14.50	7.07	6.12	1.81
11.95	3.73	2.85	6.74	14.55	7.09	6.14	1.78
12.00	4.02	3.14	7.61	14.60	7.10	6.15	1.75
12.05	4.52	3.62	8.73	14.65	7.11	6.17	1.71
12.10	5.01	4.10	10.23	14.70	7.13	6.18	1.68
12.15	5.18	4.26	12.21	14.75	7.14	6.20	1.65
12.20	5.35	4.43	14.66	14.80	7.16	6.21	1.61
12.25	5.47	4.55	17.33	14.85	7.17	6.22	1.58
12.30	5.60	4.67	19.86	14.90	7.18	6.23	1.55
12.35	5.69	4.76	21.78	14.95	7.19	6.25	1.52
12.40	5.78	4.85	22.72	15.00	7.21	6.26	1.49
12.45	5.86	4.93	**22.76**	15.05	7.22	6.27	1.46
12.50	5.95	5.02	21.99	15.10	7.23	6.28	1.43
12.55	6.00	5.07	20.62	15.15	7.24	6.29	1.40
12.60	6.06	5.12	18.91	15.20	7.25	6.31	1.37
12.65	6.11	5.18	17.06	15.25	7.27	6.32	1.34
12.70	6.16	5.23	15.26	15.30	7.28	6.33	1.31
12.75	6.21	5.27	13.68	15.35	7.29	6.34	1.28
12.80	6.25	5.32	12.28	15.40	7.30	6.35	1.25
12.85	6.30	5.36	11.04	15.45	7.31	6.36	1.23
12.90	6.34	5.40	9.93	15.50	7.32	6.37	1.21
12.95	6.38	5.44	8.96	15.55	7.33	6.38	1.19

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	6.39	1.18	18.20	7.80	6.84	0.72
15.65	7.36	6.41	1.16	18.25	7.80	6.85	0.71
15.70	7.37	6.42	1.15	18.30	7.81	6.86	0.70
15.75	7.38	6.43	1.14	18.35	7.82	6.86	0.70
15.80	7.39	6.44	1.12	18.40	7.82	6.87	0.69
15.85	7.40	6.45	1.11	18.45	7.83	6.88	0.68
15.90	7.41	6.46	1.10	18.50	7.84	6.88	0.68
15.95	7.42	6.47	1.09	18.55	7.84	6.89	0.67
16.00	7.43	6.48	1.08	18.60	7.85	6.90	0.67
16.05	7.44	6.49	1.08	18.65	7.86	6.90	0.67
16.10	7.45	6.50	1.07	18.70	7.86	6.91	0.66
16.15	7.46	6.51	1.06	18.75	7.87	6.92	0.66
16.20	7.47	6.52	1.05	18.80	7.88	6.92	0.66
16.25	7.48	6.53	1.04	18.85	7.88	6.93	0.65
16.30	7.49	6.54	1.03	18.90	7.89	6.93	0.65
16.35	7.50	6.55	1.02	18.95	7.90	6.94	0.65
16.40	7.51	6.56	1.02	19.00	7.90	6.95	0.65
16.45	7.52	6.57	1.01	19.05	7.91	6.95	0.64
16.50	7.53	6.58	1.00	19.10	7.92	6.96	0.64
16.55	7.54	6.58	0.99	19.15	7.92	6.97	0.64
16.60	7.55	6.59	0.98	19.20	7.93	6.97	0.64
16.65	7.55	6.60	0.97	19.25	7.93	6.98	0.64
16.70	7.56	6.61	0.97	19.30	7.94	6.99	0.63
16.75	7.57	6.62	0.96	19.35	7.95	6.99	0.63
16.80	7.58	6.63	0.95	19.40	7.95	7.00	0.63
16.85	7.59	6.64	0.94	19.45	7.96	7.00	0.63
16.90	7.60	6.65	0.93	19.50	7.97	7.01	0.63
16.95	7.61	6.66	0.93	19.55	7.97	7.02	0.62
17.00	7.62	6.66	0.92	19.60	7.98	7.02	0.62
17.05	7.63	6.67	0.91	19.65	7.98	7.03	0.62
17.10	7.63	6.68	0.90	19.70	7.99	7.03	0.62
17.15	7.64	6.69	0.89	19.75	8.00	7.04	0.62
17.20	7.65	6.70	0.88	19.80	8.00	7.05	0.61
17.25	7.66	6.71	0.88	19.85	8.01	7.05	0.61
17.30	7.67	6.71	0.87	19.90	8.01	7.06	0.61
17.35	7.67	6.72	0.86	19.95	8.02	7.06	0.61
17.40	7.68	6.73	0.85	20.00	8.03	7.07	0.61
17.45	7.69	6.74	0.84	20.05	8.03	7.08	0.60
17.50	7.70	6.74	0.84	20.10	8.04	7.08	0.60
17.55	7.71	6.75	0.83	20.15	8.04	7.09	0.60
17.60	7.71	6.76	0.82	20.20	8.05	7.09	0.60
17.65	7.72	6.77	0.81	20.25	8.06	7.10	0.60
17.70	7.73	6.77	0.80	20.30	8.06	7.11	0.59
17.75	7.74	6.78	0.79	20.35	8.07	7.11	0.59
17.80	7.74	6.79	0.79	20.40	8.07	7.12	0.59
17.85	7.75	6.80	0.78	20.45	8.08	7.12	0.59
17.90	7.76	6.80	0.77	20.50	8.09	7.13	0.58
17.95	7.76	6.81	0.76	20.55	8.09	7.13	0.58
18.00	7.77	6.82	0.75	20.60	8.10	7.14	0.58
18.05	7.78	6.82	0.75	20.65	8.10	7.15	0.58
18.10	7.78	6.83	0.74	20.70	8.11	7.15	0.58
18.15	7.79	6.84	0.73	20.75	8.11	7.16	0.57

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.16	0.57	23.40	8.38	7.42	0.47
20.85	8.13	7.17	0.57	23.45	8.39	7.43	0.46
20.90	8.13	7.17	0.57	23.50	8.39	7.43	0.46
20.95	8.14	7.18	0.57	23.55	8.40	7.44	0.46
21.00	8.14	7.18	0.56	23.60	8.40	7.44	0.46
21.05	8.15	7.19	0.56	23.65	8.41	7.45	0.46
21.10	8.15	7.20	0.56	23.70	8.41	7.45	0.45
21.15	8.16	7.20	0.56	23.75	8.42	7.46	0.45
21.20	8.16	7.21	0.56	23.80	8.42	7.46	0.45
21.25	8.17	7.21	0.55	23.85	8.42	7.46	0.45
21.30	8.18	7.22	0.55	23.90	8.43	7.47	0.45
21.35	8.18	7.22	0.55	23.95	8.43	7.47	0.44
21.40	8.19	7.23	0.55	24.00	**8.44**	**7.48**	0.44
21.45	8.19	7.23	0.55	24.05	8.44	7.48	0.44
21.50	8.20	7.24	0.54	24.10	8.44	7.48	0.44
21.55	8.20	7.24	0.54	24.15	8.44	7.48	0.43
21.60	8.21	7.25	0.54	24.20	8.44	7.48	0.42
21.65	8.21	7.25	0.54	24.25	8.44	7.48	0.40
21.70	8.22	7.26	0.54	24.30	8.44	7.48	0.37
21.75	8.22	7.26	0.53	24.35	8.44	7.48	0.33
21.80	8.23	7.27	0.53	24.40	8.44	7.48	0.28
21.85	8.23	7.27	0.53	24.45	8.44	7.48	0.23
21.90	8.24	7.28	0.53	24.50	8.44	7.48	0.19
21.95	8.24	7.29	0.53	24.55	8.44	7.48	0.15
22.00	8.25	7.29	0.52	24.60	8.44	7.48	0.12
22.05	8.25	7.30	0.52	24.65	8.44	7.48	0.09
22.10	8.26	7.30	0.52	24.70	8.44	7.48	0.07
22.15	8.26	7.31	0.52	24.75	8.44	7.48	0.06
22.20	8.27	7.31	0.52	24.80	8.44	7.48	0.05
22.25	8.27	7.32	0.51	24.85	8.44	7.48	0.04
22.30	8.28	7.32	0.51	24.90	8.44	7.48	0.03
22.35	8.28	7.33	0.51	24.95	8.44	7.48	0.02
22.40	8.29	7.33	0.51	25.00	8.44	7.48	0.02
22.45	8.29	7.34	0.50	25.05	8.44	7.48	0.01
22.50	8.30	7.34	0.50	25.10	8.44	7.48	0.01
22.55	8.30	7.34	0.50	25.15	8.44	7.48	0.01
22.60	8.31	7.35	0.50	25.20	8.44	7.48	0.01
22.65	8.31	7.35	0.50	25.25	8.44	7.48	0.01
22.70	8.32	7.36	0.49	25.30	8.44	7.48	0.00
22.75	8.32	7.36	0.49	25.35	8.44	7.48	0.00
22.80	8.33	7.37	0.49	25.40	8.44	7.48	0.00
22.85	8.33	7.37	0.49	25.45	8.44	7.48	0.00
22.90	8.34	7.38	0.49	25.50	8.44	7.48	0.00
22.95	8.34	7.38	0.48	25.55	8.44	7.48	0.00
23.00	8.35	7.39	0.48	25.60	8.44	7.48	0.00
23.05	8.35	7.39	0.48	25.65	8.44	7.48	0.00
23.10	8.36	7.40	0.48	25.70	8.44	7.48	0.00
23.15	8.36	7.40	0.48	25.75	8.44	7.48	0.00
23.20	8.37	7.41	0.47	25.80	8.44	7.48	0.00
23.25	8.37	7.41	0.47	25.85	8.44	7.48	0.00
23.30	8.38	7.42	0.47	25.90	8.44	7.48	0.00
23.35	8.38	7.42	0.47	25.95	8.44	7.48	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	7.48	0.00	28.60	8.44	7.48	0.00
26.05	8.44	7.48	0.00	28.65	8.44	7.48	0.00
26.10	8.44	7.48	0.00	28.70	8.44	7.48	0.00
26.15	8.44	7.48	0.00	28.75	8.44	7.48	0.00
26.20	8.44	7.48	0.00	28.80	8.44	7.48	0.00
26.25	8.44	7.48	0.00	28.85	8.44	7.48	0.00
26.30	8.44	7.48	0.00	28.90	8.44	7.48	0.00
26.35	8.44	7.48	0.00	28.95	8.44	7.48	0.00
26.40	8.44	7.48	0.00	29.00	8.44	7.48	0.00
26.45	8.44	7.48	0.00	29.05	8.44	7.48	0.00
26.50	8.44	7.48	0.00	29.10	8.44	7.48	0.00
26.55	8.44	7.48	0.00	29.15	8.44	7.48	0.00
26.60	8.44	7.48	0.00	29.20	8.44	7.48	0.00
26.65	8.44	7.48	0.00	29.25	8.44	7.48	0.00
26.70	8.44	7.48	0.00	29.30	8.44	7.48	0.00
26.75	8.44	7.48	0.00	29.35	8.44	7.48	0.00
26.80	8.44	7.48	0.00	29.40	8.44	7.48	0.00
26.85	8.44	7.48	0.00	29.45	8.44	7.48	0.00
26.90	8.44	7.48	0.00	29.50	8.44	7.48	0.00
26.95	8.44	7.48	0.00	29.55	8.44	7.48	0.00
27.00	8.44	7.48	0.00	29.60	8.44	7.48	0.00
27.05	8.44	7.48	0.00	29.65	8.44	7.48	0.00
27.10	8.44	7.48	0.00	29.70	8.44	7.48	0.00
27.15	8.44	7.48	0.00	29.75	8.44	7.48	0.00
27.20	8.44	7.48	0.00	29.80	8.44	7.48	0.00
27.25	8.44	7.48	0.00	29.85	8.44	7.48	0.00
27.30	8.44	7.48	0.00	29.90	8.44	7.48	0.00
27.35	8.44	7.48	0.00	29.95	8.44	7.48	0.00
27.40	8.44	7.48	0.00	30.00	8.44	7.48	0.00
27.45	8.44	7.48	0.00	30.05	8.44	7.48	0.00
27.50	8.44	7.48	0.00	30.10	8.44	7.48	0.00
27.55	8.44	7.48	0.00	30.15	8.44	7.48	0.00
27.60	8.44	7.48	0.00	30.20	8.44	7.48	0.00
27.65	8.44	7.48	0.00	30.25	8.44	7.48	0.00
27.70	8.44	7.48	0.00	30.30	8.44	7.48	0.00
27.75	8.44	7.48	0.00	30.35	8.44	7.48	0.00
27.80	8.44	7.48	0.00	30.40	8.44	7.48	0.00
27.85	8.44	7.48	0.00	30.45	8.44	7.48	0.00
27.90	8.44	7.48	0.00	30.50	8.44	7.48	0.00
27.95	8.44	7.48	0.00	30.55	8.44	7.48	0.00
28.00	8.44	7.48	0.00	30.60	8.44	7.48	0.00
28.05	8.44	7.48	0.00	30.65	8.44	7.48	0.00
28.10	8.44	7.48	0.00	30.70	8.44	7.48	0.00
28.15	8.44	7.48	0.00	30.75	8.44	7.48	0.00
28.20	8.44	7.48	0.00	30.80	8.44	7.48	0.00
28.25	8.44	7.48	0.00	30.85	8.44	7.48	0.00
28.30	8.44	7.48	0.00	30.90	8.44	7.48	0.00
28.35	8.44	7.48	0.00	30.95	8.44	7.48	0.00
28.40	8.44	7.48	0.00	31.00	8.44	7.48	0.00
28.45	8.44	7.48	0.00	31.05	8.44	7.48	0.00
28.50	8.44	7.48	0.00	31.10	8.44	7.48	0.00
28.55	8.44	7.48	0.00	31.15	8.44	7.48	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	7.48	0.00	33.80	8.44	7.48	0.00
31.25	8.44	7.48	0.00	33.85	8.44	7.48	0.00
31.30	8.44	7.48	0.00	33.90	8.44	7.48	0.00
31.35	8.44	7.48	0.00	33.95	8.44	7.48	0.00
31.40	8.44	7.48	0.00	34.00	8.44	7.48	0.00
31.45	8.44	7.48	0.00	34.05	8.44	7.48	0.00
31.50	8.44	7.48	0.00	34.10	8.44	7.48	0.00
31.55	8.44	7.48	0.00	34.15	8.44	7.48	0.00
31.60	8.44	7.48	0.00	34.20	8.44	7.48	0.00
31.65	8.44	7.48	0.00	34.25	8.44	7.48	0.00
31.70	8.44	7.48	0.00	34.30	8.44	7.48	0.00
31.75	8.44	7.48	0.00	34.35	8.44	7.48	0.00
31.80	8.44	7.48	0.00	34.40	8.44	7.48	0.00
31.85	8.44	7.48	0.00	34.45	8.44	7.48	0.00
31.90	8.44	7.48	0.00	34.50	8.44	7.48	0.00
31.95	8.44	7.48	0.00	34.55	8.44	7.48	0.00
32.00	8.44	7.48	0.00	34.60	8.44	7.48	0.00
32.05	8.44	7.48	0.00	34.65	8.44	7.48	0.00
32.10	8.44	7.48	0.00	34.70	8.44	7.48	0.00
32.15	8.44	7.48	0.00	34.75	8.44	7.48	0.00
32.20	8.44	7.48	0.00	34.80	8.44	7.48	0.00
32.25	8.44	7.48	0.00	34.85	8.44	7.48	0.00
32.30	8.44	7.48	0.00	34.90	8.44	7.48	0.00
32.35	8.44	7.48	0.00	34.95	8.44	7.48	0.00
32.40	8.44	7.48	0.00	35.00	8.44	7.48	0.00
32.45	8.44	7.48	0.00	35.05	8.44	7.48	0.00
32.50	8.44	7.48	0.00	35.10	8.44	7.48	0.00
32.55	8.44	7.48	0.00	35.15	8.44	7.48	0.00
32.60	8.44	7.48	0.00	35.20	8.44	7.48	0.00
32.65	8.44	7.48	0.00	35.25	8.44	7.48	0.00
32.70	8.44	7.48	0.00	35.30	8.44	7.48	0.00
32.75	8.44	7.48	0.00	35.35	8.44	7.48	0.00
32.80	8.44	7.48	0.00	35.40	8.44	7.48	0.00
32.85	8.44	7.48	0.00	35.45	8.44	7.48	0.00
32.90	8.44	7.48	0.00	35.50	8.44	7.48	0.00
32.95	8.44	7.48	0.00	35.55	8.44	7.48	0.00
33.00	8.44	7.48	0.00	35.60	8.44	7.48	0.00
33.05	8.44	7.48	0.00	35.65	8.44	7.48	0.00
33.10	8.44	7.48	0.00	35.70	8.44	7.48	0.00
33.15	8.44	7.48	0.00	35.75	8.44	7.48	0.00
33.20	8.44	7.48	0.00	35.80	8.44	7.48	0.00
33.25	8.44	7.48	0.00	35.85	8.44	7.48	0.00
33.30	8.44	7.48	0.00	35.90	8.44	7.48	0.00
33.35	8.44	7.48	0.00	35.95	8.44	7.48	0.00
33.40	8.44	7.48	0.00	36.00	8.44	7.48	0.00
33.45	8.44	7.48	0.00	36.05	8.44	7.48	0.00
33.50	8.44	7.48	0.00	36.10	8.44	7.48	0.00
33.55	8.44	7.48	0.00	36.15	8.44	7.48	0.00
33.60	8.44	7.48	0.00	36.20	8.44	7.48	0.00
33.65	8.44	7.48	0.00	36.25	8.44	7.48	0.00
33.70	8.44	7.48	0.00	36.30	8.44	7.48	0.00
33.75	8.44	7.48	0.00	36.35	8.44	7.48	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	7.48	0.00
36.45	8.44	7.48	0.00
36.50	8.44	7.48	0.00
36.55	8.44	7.48	0.00
36.60	8.44	7.48	0.00
36.65	8.44	7.48	0.00
36.70	8.44	7.48	0.00
36.75	8.44	7.48	0.00
36.80	8.44	7.48	0.00
36.85	8.44	7.48	0.00
36.90	8.44	7.48	0.00
36.95	8.44	7.48	0.00
37.00	8.44	7.48	0.00
37.05	8.44	7.48	0.00
37.10	8.44	7.48	0.00
37.15	8.44	7.48	0.00
37.20	8.44	7.48	0.00
37.25	8.44	7.48	0.00
37.30	8.44	7.48	0.00
37.35	8.44	7.48	0.00
37.40	8.44	7.48	0.00
37.45	8.44	7.48	0.00
37.50	8.44	7.48	0.00
37.55	8.44	7.48	0.00
37.60	8.44	7.48	0.00
37.65	8.44	7.48	0.00
37.70	8.44	7.48	0.00
37.75	8.44	7.48	0.00
37.80	8.44	7.48	0.00
37.85	8.44	7.48	0.00
37.90	8.44	7.48	0.00
37.95	8.44	7.48	0.00
38.00	8.44	7.48	0.00
38.05	8.44	7.48	0.00
38.10	8.44	7.48	0.00
38.15	8.44	7.48	0.00
38.20	8.44	7.48	0.00
38.25	8.44	7.48	0.00
38.30	8.44	7.48	0.00
38.35	8.44	7.48	0.00
38.40	8.44	7.48	0.00
38.45	8.44	7.48	0.00
38.50	8.44	7.48	0.00
38.55	8.44	7.48	0.00
38.60	8.44	7.48	0.00
38.65	8.44	7.48	0.00
38.70	8.44	7.48	0.00
38.75	8.44	7.48	0.00
38.80	8.44	7.48	0.00
38.85	8.44	7.48	0.00
38.90	8.44	7.48	0.00
38.95	8.44	7.48	0.00
39.00	8.44	7.48	0.00
39.05	8.44	7.48	0.00
39.10	8.44	7.48	0.00
39.15	8.44	7.48	0.00
39.20	8.44	7.48	0.00
39.25	8.44	7.48	0.00
39.30	8.44	7.48	0.00
39.35	8.44	7.48	0.00
39.40	8.44	7.48	0.00
39.45	8.44	7.48	0.00
39.50	8.44	7.48	0.00
39.55	8.44	7.48	0.00
39.60	8.44	7.48	0.00
39.65	8.44	7.48	0.00
39.70	8.44	7.48	0.00
39.75	8.44	7.48	0.00
39.80	8.44	7.48	0.00
39.85	8.44	7.48	0.00
39.90	8.44	7.48	0.00
39.95	8.44	7.48	0.00
40.00	8.44	7.48	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

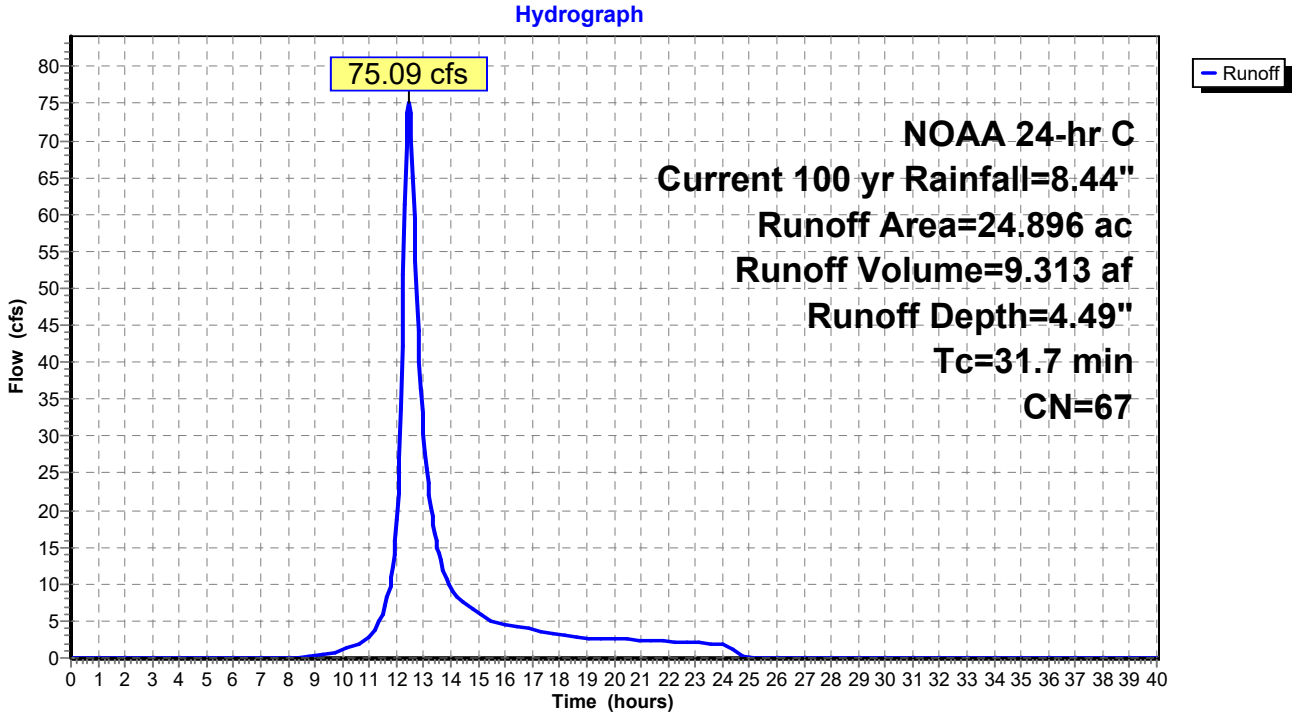
Runoff = 75.09 cfs @ 12.45 hrs, Volume= 9.313 af, Depth= 4.49"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.01
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.08
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.10
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.12
6.05	0.68	0.00	0.00	8.65	1.15	0.01	0.14
6.10	0.68	0.00	0.00	8.70	1.16	0.01	0.16
6.15	0.69	0.00	0.00	8.75	1.17	0.01	0.18
6.20	0.70	0.00	0.00	8.80	1.19	0.01	0.20
6.25	0.70	0.00	0.00	8.85	1.20	0.01	0.23
6.30	0.71	0.00	0.00	8.90	1.21	0.01	0.25
6.35	0.72	0.00	0.00	8.95	1.22	0.01	0.27
6.40	0.73	0.00	0.00	9.00	1.23	0.01	0.30
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.32
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.35
6.55	0.75	0.00	0.00	9.15	1.27	0.02	0.38
6.60	0.76	0.00	0.00	9.20	1.28	0.02	0.40
6.65	0.77	0.00	0.00	9.25	1.30	0.02	0.43
6.70	0.77	0.00	0.00	9.30	1.31	0.02	0.46
6.75	0.78	0.00	0.00	9.35	1.33	0.02	0.49
6.80	0.79	0.00	0.00	9.40	1.34	0.02	0.53
6.85	0.80	0.00	0.00	9.45	1.35	0.03	0.57
6.90	0.81	0.00	0.00	9.50	1.37	0.03	0.60
6.95	0.81	0.00	0.00	9.55	1.39	0.03	0.65
7.00	0.82	0.00	0.00	9.60	1.40	0.03	0.69
7.05	0.83	0.00	0.00	9.65	1.42	0.03	0.73
7.10	0.84	0.00	0.00	9.70	1.43	0.04	0.78
7.15	0.85	0.00	0.00	9.75	1.45	0.04	0.83
7.20	0.86	0.00	0.00	9.80	1.47	0.04	0.88
7.25	0.87	0.00	0.00	9.85	1.49	0.05	0.94
7.30	0.88	0.00	0.00	9.90	1.50	0.05	0.99
7.35	0.89	0.00	0.00	9.95	1.52	0.05	1.05
7.40	0.89	0.00	0.00	10.00	1.54	0.06	1.11
7.45	0.90	0.00	0.00	10.05	1.56	0.06	1.17
7.50	0.91	0.00	0.00	10.10	1.58	0.06	1.23
7.55	0.92	0.00	0.00	10.15	1.60	0.07	1.30
7.60	0.93	0.00	0.00	10.20	1.62	0.07	1.37
7.65	0.94	0.00	0.00	10.25	1.64	0.08	1.44
7.70	0.95	0.00	0.00	10.30	1.66	0.08	1.51
7.75	0.96	0.00	0.00	10.35	1.68	0.09	1.58

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.09	1.66	13.00	6.41	2.85	30.25
10.45	1.72	0.09	1.74	13.05	6.45	2.87	27.72
10.50	1.74	0.10	1.82	13.10	6.48	2.90	25.53
10.55	1.76	0.11	1.90	13.15	6.51	2.92	23.64
10.60	1.79	0.11	1.99	13.20	6.54	2.95	21.98
10.65	1.81	0.12	2.08	13.25	6.57	2.97	20.49
10.70	1.84	0.13	2.18	13.30	6.60	2.99	19.16
10.75	1.87	0.13	2.29	13.35	6.63	3.01	17.97
10.80	1.90	0.14	2.41	13.40	6.65	3.03	16.88
10.85	1.93	0.15	2.55	13.45	6.68	3.05	15.91
10.90	1.96	0.16	2.70	13.50	6.70	3.07	15.04
10.95	1.99	0.17	2.88	13.55	6.72	3.09	14.24
11.00	2.03	0.18	3.07	13.60	6.74	3.10	13.50
11.05	2.06	0.19	3.27	13.65	6.76	3.12	12.83
11.10	2.10	0.21	3.50	13.70	6.78	3.14	12.19
11.15	2.14	0.22	3.74	13.75	6.80	3.15	11.58
11.20	2.19	0.24	4.00	13.80	6.82	3.17	11.03
11.25	2.23	0.25	4.29	13.85	6.84	3.18	10.53
11.30	2.28	0.27	4.61	13.90	6.86	3.20	10.08
11.35	2.33	0.29	4.97	13.95	6.88	3.21	9.69
11.40	2.38	0.31	5.36	14.00	6.90	3.23	9.35
11.45	2.44	0.33	5.79	14.05	6.92	3.24	9.06
11.50	2.49	0.35	6.25	14.10	6.94	3.26	8.79
11.55	2.58	0.39	6.75	14.15	6.95	3.27	8.56
11.60	2.66	0.43	7.31	14.20	6.97	3.29	8.36
11.65	2.75	0.47	7.95	14.25	6.99	3.30	8.17
11.70	2.84	0.51	8.72	14.30	7.01	3.31	8.00
11.75	2.97	0.57	9.67	14.35	7.02	3.32	7.84
11.80	3.09	0.63	10.82	14.40	7.04	3.34	7.69
11.85	3.26	0.72	12.21	14.45	7.05	3.35	7.54
11.90	3.43	0.81	13.89	14.50	7.07	3.36	7.40
11.95	3.73	0.98	15.96	14.55	7.09	3.37	7.27
12.00	4.02	1.16	18.61	14.60	7.10	3.39	7.13
12.05	4.52	1.47	22.17	14.65	7.11	3.40	7.00
12.10	5.01	1.81	27.06	14.70	7.13	3.41	6.88
12.15	5.18	1.93	33.75	14.75	7.14	3.42	6.75
12.20	5.35	2.05	42.27	14.80	7.16	3.43	6.62
12.25	5.47	2.14	51.88	14.85	7.17	3.44	6.50
12.30	5.60	2.23	61.35	14.90	7.18	3.45	6.37
12.35	5.69	2.30	69.09	14.95	7.19	3.46	6.25
12.40	5.78	2.36	73.64	15.00	7.21	3.47	6.12
12.45	5.86	2.43	**75.09**	15.05	7.22	3.48	6.00
12.50	5.95	2.49	73.73	15.10	7.23	3.49	5.88
12.55	6.00	2.53	70.15	15.15	7.24	3.50	5.75
12.60	6.06	2.57	65.19	15.20	7.25	3.51	5.63
12.65	6.11	2.61	59.54	15.25	7.27	3.52	5.51
12.70	6.16	2.65	53.87	15.30	7.28	3.53	5.39
12.75	6.21	2.69	48.80	15.35	7.29	3.54	5.28
12.80	6.25	2.72	44.24	15.40	7.30	3.55	5.18
12.85	6.30	2.76	40.12	15.45	7.31	3.56	5.09
12.90	6.34	2.79	36.40	15.50	7.32	3.57	5.00
12.95	6.38	2.82	33.11	15.55	7.33	3.57	4.93

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.58	4.87	18.20	7.80	3.95	3.04
15.65	7.36	3.59	4.81	18.25	7.80	3.96	3.01
15.70	7.37	3.60	4.76	18.30	7.81	3.97	2.97
15.75	7.38	3.61	4.71	18.35	7.82	3.97	2.95
15.80	7.39	3.62	4.67	18.40	7.82	3.98	2.92
15.85	7.40	3.63	4.62	18.45	7.83	3.98	2.89
15.90	7.41	3.64	4.58	18.50	7.84	3.99	2.87
15.95	7.42	3.64	4.54	18.55	7.84	3.99	2.85
16.00	7.43	3.65	4.51	18.60	7.85	4.00	2.83
16.05	7.44	3.66	4.47	18.65	7.86	4.00	2.82
16.10	7.45	3.67	4.44	18.70	7.86	4.01	2.80
16.15	7.46	3.68	4.40	18.75	7.87	4.01	2.79
16.20	7.47	3.68	4.37	18.80	7.88	4.02	2.78
16.25	7.48	3.69	4.33	18.85	7.88	4.03	2.77
16.30	7.49	3.70	4.30	18.90	7.89	4.03	2.76
16.35	7.50	3.71	4.27	18.95	7.90	4.04	2.75
16.40	7.51	3.72	4.23	19.00	7.90	4.04	2.74
16.45	7.52	3.72	4.20	19.05	7.91	4.05	2.73
16.50	7.53	3.73	4.17	19.10	7.92	4.05	2.72
16.55	7.54	3.74	4.13	19.15	7.92	4.06	2.71
16.60	7.55	3.75	4.10	19.20	7.93	4.06	2.70
16.65	7.55	3.75	4.07	19.25	7.93	4.07	2.70
16.70	7.56	3.76	4.04	19.30	7.94	4.07	2.69
16.75	7.57	3.77	4.00	19.35	7.95	4.08	2.68
16.80	7.58	3.78	3.97	19.40	7.95	4.08	2.67
16.85	7.59	3.78	3.94	19.45	7.96	4.09	2.66
16.90	7.60	3.79	3.90	19.50	7.97	4.09	2.65
16.95	7.61	3.80	3.87	19.55	7.97	4.10	2.65
17.00	7.62	3.81	3.84	19.60	7.98	4.10	2.64
17.05	7.63	3.81	3.81	19.65	7.98	4.11	2.63
17.10	7.63	3.82	3.77	19.70	7.99	4.11	2.62
17.15	7.64	3.83	3.74	19.75	8.00	4.12	2.61
17.20	7.65	3.83	3.71	19.80	8.00	4.12	2.60
17.25	7.66	3.84	3.67	19.85	8.01	4.13	2.60
17.30	7.67	3.85	3.64	19.90	8.01	4.13	2.59
17.35	7.67	3.85	3.61	19.95	8.02	4.14	2.58
17.40	7.68	3.86	3.58	20.00	8.03	4.14	2.57
17.45	7.69	3.87	3.54	20.05	8.03	4.15	2.57
17.50	7.70	3.87	3.51	20.10	8.04	4.15	2.56
17.55	7.71	3.88	3.47	20.15	8.04	4.16	2.55
17.60	7.71	3.88	3.44	20.20	8.05	4.16	2.54
17.65	7.72	3.89	3.41	20.25	8.06	4.17	2.53
17.70	7.73	3.90	3.37	20.30	8.06	4.17	2.52
17.75	7.74	3.90	3.34	20.35	8.07	4.18	2.51
17.80	7.74	3.91	3.31	20.40	8.07	4.18	2.51
17.85	7.75	3.91	3.28	20.45	8.08	4.19	2.50
17.90	7.76	3.92	3.24	20.50	8.09	4.19	2.49
17.95	7.76	3.93	3.21	20.55	8.09	4.20	2.48
18.00	7.77	3.93	3.18	20.60	8.10	4.20	2.47
18.05	7.78	3.94	3.14	20.65	8.10	4.21	2.46
18.10	7.78	3.94	3.11	20.70	8.11	4.21	2.46
18.15	7.79	3.95	3.07	20.75	8.11	4.22	2.45

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.22	2.44	23.40	8.38	4.44	2.00
20.85	8.13	4.23	2.43	23.45	8.39	4.45	1.99
20.90	8.13	4.23	2.43	23.50	8.39	4.45	1.99
20.95	8.14	4.23	2.42	23.55	8.40	4.45	1.98
21.00	8.14	4.24	2.41	23.60	8.40	4.46	1.97
21.05	8.15	4.24	2.40	23.65	8.41	4.46	1.96
21.10	8.15	4.25	2.39	23.70	8.41	4.47	1.95
21.15	8.16	4.25	2.38	23.75	8.42	4.47	1.94
21.20	8.16	4.26	2.37	23.80	8.42	4.47	1.93
21.25	8.17	4.26	2.37	23.85	8.42	4.48	1.93
21.30	8.18	4.27	2.36	23.90	8.43	4.48	1.92
21.35	8.18	4.27	2.35	23.95	8.43	4.48	1.91
21.40	8.19	4.28	2.34	24.00	**8.44**	**4.49**	1.90
21.45	8.19	4.28	2.33	24.05	8.44	4.49	1.90
21.50	8.20	4.29	2.32	24.10	8.44	4.49	1.89
21.55	8.20	4.29	2.32	24.15	8.44	4.49	1.87
21.60	8.21	4.29	2.31	24.20	8.44	4.49	1.82
21.65	8.21	4.30	2.30	24.25	8.44	4.49	1.73
21.70	8.22	4.30	2.29	24.30	8.44	4.49	1.58
21.75	8.22	4.31	2.28	24.35	8.44	4.49	1.40
21.80	8.23	4.31	2.27	24.40	8.44	4.49	1.20
21.85	8.23	4.32	2.26	24.45	8.44	4.49	1.00
21.90	8.24	4.32	2.26	24.50	8.44	4.49	0.81
21.95	8.24	4.32	2.25	24.55	8.44	4.49	0.65
22.00	8.25	4.33	2.24	24.60	8.44	4.49	0.51
22.05	8.25	4.33	2.23	24.65	8.44	4.49	0.40
22.10	8.26	4.34	2.22	24.70	8.44	4.49	0.32
22.15	8.26	4.34	2.22	24.75	8.44	4.49	0.25
22.20	8.27	4.35	2.21	24.80	8.44	4.49	0.20
22.25	8.27	4.35	2.20	24.85	8.44	4.49	0.16
22.30	8.28	4.35	2.19	24.90	8.44	4.49	0.12
22.35	8.28	4.36	2.18	24.95	8.44	4.49	0.10
22.40	8.29	4.36	2.17	25.00	8.44	4.49	0.08
22.45	8.29	4.37	2.17	25.05	8.44	4.49	0.06
22.50	8.30	4.37	2.16	25.10	8.44	4.49	0.05
22.55	8.30	4.38	2.15	25.15	8.44	4.49	0.04
22.60	8.31	4.38	2.14	25.20	8.44	4.49	0.03
22.65	8.31	4.38	2.13	25.25	8.44	4.49	0.02
22.70	8.32	4.39	2.12	25.30	8.44	4.49	0.02
22.75	8.32	4.39	2.11	25.35	8.44	4.49	0.01
22.80	8.33	4.40	2.11	25.40	8.44	4.49	0.01
22.85	8.33	4.40	2.10	25.45	8.44	4.49	0.01
22.90	8.34	4.40	2.09	25.50	8.44	4.49	0.01
22.95	8.34	4.41	2.08	25.55	8.44	4.49	0.00
23.00	8.35	4.41	2.07	25.60	8.44	4.49	0.00
23.05	8.35	4.42	2.06	25.65	8.44	4.49	0.00
23.10	8.36	4.42	2.05	25.70	8.44	4.49	0.00
23.15	8.36	4.42	2.05	25.75	8.44	4.49	0.00
23.20	8.37	4.43	2.04	25.80	8.44	4.49	0.00
23.25	8.37	4.43	2.03	25.85	8.44	4.49	0.00
23.30	8.38	4.43	2.02	25.90	8.44	4.49	0.00
23.35	8.38	4.44	2.01	25.95	8.44	4.49	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.49	0.00	28.60	8.44	4.49	0.00
26.05	8.44	4.49	0.00	28.65	8.44	4.49	0.00
26.10	8.44	4.49	0.00	28.70	8.44	4.49	0.00
26.15	8.44	4.49	0.00	28.75	8.44	4.49	0.00
26.20	8.44	4.49	0.00	28.80	8.44	4.49	0.00
26.25	8.44	4.49	0.00	28.85	8.44	4.49	0.00
26.30	8.44	4.49	0.00	28.90	8.44	4.49	0.00
26.35	8.44	4.49	0.00	28.95	8.44	4.49	0.00
26.40	8.44	4.49	0.00	29.00	8.44	4.49	0.00
26.45	8.44	4.49	0.00	29.05	8.44	4.49	0.00
26.50	8.44	4.49	0.00	29.10	8.44	4.49	0.00
26.55	8.44	4.49	0.00	29.15	8.44	4.49	0.00
26.60	8.44	4.49	0.00	29.20	8.44	4.49	0.00
26.65	8.44	4.49	0.00	29.25	8.44	4.49	0.00
26.70	8.44	4.49	0.00	29.30	8.44	4.49	0.00
26.75	8.44	4.49	0.00	29.35	8.44	4.49	0.00
26.80	8.44	4.49	0.00	29.40	8.44	4.49	0.00
26.85	8.44	4.49	0.00	29.45	8.44	4.49	0.00
26.90	8.44	4.49	0.00	29.50	8.44	4.49	0.00
26.95	8.44	4.49	0.00	29.55	8.44	4.49	0.00
27.00	8.44	4.49	0.00	29.60	8.44	4.49	0.00
27.05	8.44	4.49	0.00	29.65	8.44	4.49	0.00
27.10	8.44	4.49	0.00	29.70	8.44	4.49	0.00
27.15	8.44	4.49	0.00	29.75	8.44	4.49	0.00
27.20	8.44	4.49	0.00	29.80	8.44	4.49	0.00
27.25	8.44	4.49	0.00	29.85	8.44	4.49	0.00
27.30	8.44	4.49	0.00	29.90	8.44	4.49	0.00
27.35	8.44	4.49	0.00	29.95	8.44	4.49	0.00
27.40	8.44	4.49	0.00	30.00	8.44	4.49	0.00
27.45	8.44	4.49	0.00	30.05	8.44	4.49	0.00
27.50	8.44	4.49	0.00	30.10	8.44	4.49	0.00
27.55	8.44	4.49	0.00	30.15	8.44	4.49	0.00
27.60	8.44	4.49	0.00	30.20	8.44	4.49	0.00
27.65	8.44	4.49	0.00	30.25	8.44	4.49	0.00
27.70	8.44	4.49	0.00	30.30	8.44	4.49	0.00
27.75	8.44	4.49	0.00	30.35	8.44	4.49	0.00
27.80	8.44	4.49	0.00	30.40	8.44	4.49	0.00
27.85	8.44	4.49	0.00	30.45	8.44	4.49	0.00
27.90	8.44	4.49	0.00	30.50	8.44	4.49	0.00
27.95	8.44	4.49	0.00	30.55	8.44	4.49	0.00
28.00	8.44	4.49	0.00	30.60	8.44	4.49	0.00
28.05	8.44	4.49	0.00	30.65	8.44	4.49	0.00
28.10	8.44	4.49	0.00	30.70	8.44	4.49	0.00
28.15	8.44	4.49	0.00	30.75	8.44	4.49	0.00
28.20	8.44	4.49	0.00	30.80	8.44	4.49	0.00
28.25	8.44	4.49	0.00	30.85	8.44	4.49	0.00
28.30	8.44	4.49	0.00	30.90	8.44	4.49	0.00
28.35	8.44	4.49	0.00	30.95	8.44	4.49	0.00
28.40	8.44	4.49	0.00	31.00	8.44	4.49	0.00
28.45	8.44	4.49	0.00	31.05	8.44	4.49	0.00
28.50	8.44	4.49	0.00	31.10	8.44	4.49	0.00
28.55	8.44	4.49	0.00	31.15	8.44	4.49	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.49	0.00	33.80	8.44	4.49	0.00
31.25	8.44	4.49	0.00	33.85	8.44	4.49	0.00
31.30	8.44	4.49	0.00	33.90	8.44	4.49	0.00
31.35	8.44	4.49	0.00	33.95	8.44	4.49	0.00
31.40	8.44	4.49	0.00	34.00	8.44	4.49	0.00
31.45	8.44	4.49	0.00	34.05	8.44	4.49	0.00
31.50	8.44	4.49	0.00	34.10	8.44	4.49	0.00
31.55	8.44	4.49	0.00	34.15	8.44	4.49	0.00
31.60	8.44	4.49	0.00	34.20	8.44	4.49	0.00
31.65	8.44	4.49	0.00	34.25	8.44	4.49	0.00
31.70	8.44	4.49	0.00	34.30	8.44	4.49	0.00
31.75	8.44	4.49	0.00	34.35	8.44	4.49	0.00
31.80	8.44	4.49	0.00	34.40	8.44	4.49	0.00
31.85	8.44	4.49	0.00	34.45	8.44	4.49	0.00
31.90	8.44	4.49	0.00	34.50	8.44	4.49	0.00
31.95	8.44	4.49	0.00	34.55	8.44	4.49	0.00
32.00	8.44	4.49	0.00	34.60	8.44	4.49	0.00
32.05	8.44	4.49	0.00	34.65	8.44	4.49	0.00
32.10	8.44	4.49	0.00	34.70	8.44	4.49	0.00
32.15	8.44	4.49	0.00	34.75	8.44	4.49	0.00
32.20	8.44	4.49	0.00	34.80	8.44	4.49	0.00
32.25	8.44	4.49	0.00	34.85	8.44	4.49	0.00
32.30	8.44	4.49	0.00	34.90	8.44	4.49	0.00
32.35	8.44	4.49	0.00	34.95	8.44	4.49	0.00
32.40	8.44	4.49	0.00	35.00	8.44	4.49	0.00
32.45	8.44	4.49	0.00	35.05	8.44	4.49	0.00
32.50	8.44	4.49	0.00	35.10	8.44	4.49	0.00
32.55	8.44	4.49	0.00	35.15	8.44	4.49	0.00
32.60	8.44	4.49	0.00	35.20	8.44	4.49	0.00
32.65	8.44	4.49	0.00	35.25	8.44	4.49	0.00
32.70	8.44	4.49	0.00	35.30	8.44	4.49	0.00
32.75	8.44	4.49	0.00	35.35	8.44	4.49	0.00
32.80	8.44	4.49	0.00	35.40	8.44	4.49	0.00
32.85	8.44	4.49	0.00	35.45	8.44	4.49	0.00
32.90	8.44	4.49	0.00	35.50	8.44	4.49	0.00
32.95	8.44	4.49	0.00	35.55	8.44	4.49	0.00
33.00	8.44	4.49	0.00	35.60	8.44	4.49	0.00
33.05	8.44	4.49	0.00	35.65	8.44	4.49	0.00
33.10	8.44	4.49	0.00	35.70	8.44	4.49	0.00
33.15	8.44	4.49	0.00	35.75	8.44	4.49	0.00
33.20	8.44	4.49	0.00	35.80	8.44	4.49	0.00
33.25	8.44	4.49	0.00	35.85	8.44	4.49	0.00
33.30	8.44	4.49	0.00	35.90	8.44	4.49	0.00
33.35	8.44	4.49	0.00	35.95	8.44	4.49	0.00
33.40	8.44	4.49	0.00	36.00	8.44	4.49	0.00
33.45	8.44	4.49	0.00	36.05	8.44	4.49	0.00
33.50	8.44	4.49	0.00	36.10	8.44	4.49	0.00
33.55	8.44	4.49	0.00	36.15	8.44	4.49	0.00
33.60	8.44	4.49	0.00	36.20	8.44	4.49	0.00
33.65	8.44	4.49	0.00	36.25	8.44	4.49	0.00
33.70	8.44	4.49	0.00	36.30	8.44	4.49	0.00
33.75	8.44	4.49	0.00	36.35	8.44	4.49	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.49	0.00
36.45	8.44	4.49	0.00
36.50	8.44	4.49	0.00
36.55	8.44	4.49	0.00
36.60	8.44	4.49	0.00
36.65	8.44	4.49	0.00
36.70	8.44	4.49	0.00
36.75	8.44	4.49	0.00
36.80	8.44	4.49	0.00
36.85	8.44	4.49	0.00
36.90	8.44	4.49	0.00
36.95	8.44	4.49	0.00
37.00	8.44	4.49	0.00
37.05	8.44	4.49	0.00
37.10	8.44	4.49	0.00
37.15	8.44	4.49	0.00
37.20	8.44	4.49	0.00
37.25	8.44	4.49	0.00
37.30	8.44	4.49	0.00
37.35	8.44	4.49	0.00
37.40	8.44	4.49	0.00
37.45	8.44	4.49	0.00
37.50	8.44	4.49	0.00
37.55	8.44	4.49	0.00
37.60	8.44	4.49	0.00
37.65	8.44	4.49	0.00
37.70	8.44	4.49	0.00
37.75	8.44	4.49	0.00
37.80	8.44	4.49	0.00
37.85	8.44	4.49	0.00
37.90	8.44	4.49	0.00
37.95	8.44	4.49	0.00
38.00	8.44	4.49	0.00
38.05	8.44	4.49	0.00
38.10	8.44	4.49	0.00
38.15	8.44	4.49	0.00
38.20	8.44	4.49	0.00
38.25	8.44	4.49	0.00
38.30	8.44	4.49	0.00
38.35	8.44	4.49	0.00
38.40	8.44	4.49	0.00
38.45	8.44	4.49	0.00
38.50	8.44	4.49	0.00
38.55	8.44	4.49	0.00
38.60	8.44	4.49	0.00
38.65	8.44	4.49	0.00
38.70	8.44	4.49	0.00
38.75	8.44	4.49	0.00
38.80	8.44	4.49	0.00
38.85	8.44	4.49	0.00
38.90	8.44	4.49	0.00
38.95	8.44	4.49	0.00
39.00	8.44	4.49	0.00
39.05	8.44	4.49	0.00
39.10	8.44	4.49	0.00
39.15	8.44	4.49	0.00
39.20	8.44	4.49	0.00
39.25	8.44	4.49	0.00
39.30	8.44	4.49	0.00
39.35	8.44	4.49	0.00
39.40	8.44	4.49	0.00
39.45	8.44	4.49	0.00
39.50	8.44	4.49	0.00
39.55	8.44	4.49	0.00
39.60	8.44	4.49	0.00
39.65	8.44	4.49	0.00
39.70	8.44	4.49	0.00
39.75	8.44	4.49	0.00
39.80	8.44	4.49	0.00
39.85	8.44	4.49	0.00
39.90	8.44	4.49	0.00
39.95	8.44	4.49	0.00
40.00	8.44	4.49	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

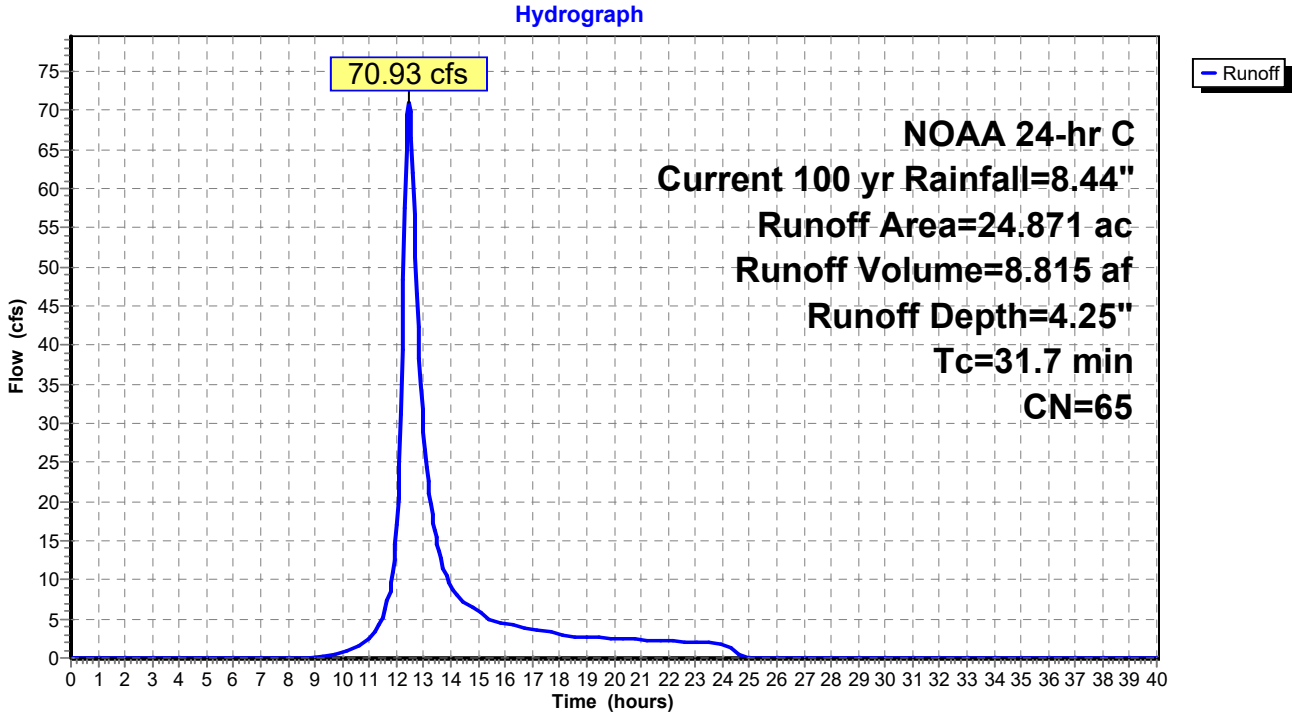
Runoff = 70.93 cfs @ 12.45 hrs, Volume= 8.815 af, Depth= 4.25"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.01
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.01
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.02
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.07
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.09
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.11
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.13
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.15
6.55	0.75	0.00	0.00	9.15	1.27	0.01	0.17
6.60	0.76	0.00	0.00	9.20	1.28	0.01	0.19
6.65	0.77	0.00	0.00	9.25	1.30	0.01	0.22
6.70	0.77	0.00	0.00	9.30	1.31	0.01	0.24
6.75	0.78	0.00	0.00	9.35	1.33	0.01	0.27
6.80	0.79	0.00	0.00	9.40	1.34	0.01	0.30
6.85	0.80	0.00	0.00	9.45	1.35	0.01	0.33
6.90	0.81	0.00	0.00	9.50	1.37	0.02	0.37
6.95	0.81	0.00	0.00	9.55	1.39	0.02	0.40
7.00	0.82	0.00	0.00	9.60	1.40	0.02	0.44
7.05	0.83	0.00	0.00	9.65	1.42	0.02	0.48
7.10	0.84	0.00	0.00	9.70	1.43	0.02	0.52
7.15	0.85	0.00	0.00	9.75	1.45	0.02	0.56
7.20	0.86	0.00	0.00	9.80	1.47	0.03	0.61
7.25	0.87	0.00	0.00	9.85	1.49	0.03	0.65
7.30	0.88	0.00	0.00	9.90	1.50	0.03	0.70
7.35	0.89	0.00	0.00	9.95	1.52	0.03	0.75
7.40	0.89	0.00	0.00	10.00	1.54	0.04	0.81
7.45	0.90	0.00	0.00	10.05	1.56	0.04	0.86
7.50	0.91	0.00	0.00	10.10	1.58	0.04	0.92
7.55	0.92	0.00	0.00	10.15	1.60	0.05	0.98
7.60	0.93	0.00	0.00	10.20	1.62	0.05	1.04
7.65	0.94	0.00	0.00	10.25	1.64	0.05	1.10
7.70	0.95	0.00	0.00	10.30	1.66	0.06	1.16
7.75	0.96	0.00	0.00	10.35	1.68	0.06	1.23

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.06	1.30	13.00	6.41	2.66	28.98
10.45	1.72	0.07	1.37	13.05	6.45	2.68	26.58
10.50	1.74	0.07	1.44	13.10	6.48	2.71	24.50
10.55	1.76	0.08	1.52	13.15	6.51	2.73	22.70
10.60	1.79	0.08	1.60	13.20	6.54	2.75	21.12
10.65	1.81	0.09	1.68	13.25	6.57	2.78	19.70
10.70	1.84	0.09	1.77	13.30	6.60	2.80	18.44
10.75	1.87	0.10	1.87	13.35	6.63	2.82	17.31
10.80	1.90	0.11	1.98	13.40	6.65	2.84	16.26
10.85	1.93	0.12	2.11	13.45	6.68	2.85	15.33
10.90	1.96	0.12	2.25	13.50	6.70	2.87	14.50
10.95	1.99	0.13	2.40	13.55	6.72	2.89	13.73
11.00	2.03	0.14	2.57	13.60	6.74	2.91	13.03
11.05	2.06	0.15	2.76	13.65	6.76	2.92	12.38
11.10	2.10	0.16	2.96	13.70	6.78	2.94	11.77
11.15	2.14	0.18	3.18	13.75	6.80	2.95	11.19
11.20	2.19	0.19	3.42	13.80	6.82	2.97	10.65
11.25	2.23	0.20	3.68	13.85	6.84	2.98	10.17
11.30	2.28	0.22	3.97	13.90	6.86	3.00	9.74
11.35	2.33	0.24	4.29	13.95	6.88	3.01	9.37
11.40	2.38	0.26	4.65	14.00	6.90	3.03	9.04
11.45	2.44	0.27	5.04	14.05	6.92	3.04	8.76
11.50	2.49	0.30	5.47	14.10	6.94	3.05	8.50
11.55	2.58	0.33	5.92	14.15	6.95	3.07	8.28
11.60	2.66	0.36	6.44	14.20	6.97	3.08	8.09
11.65	2.75	0.40	7.03	14.25	6.99	3.09	7.91
11.70	2.84	0.44	7.74	14.30	7.01	3.11	7.74
11.75	2.97	0.49	8.61	14.35	7.02	3.12	7.59
11.80	3.09	0.55	9.69	14.40	7.04	3.13	7.44
11.85	3.26	0.63	10.97	14.45	7.05	3.14	7.30
11.90	3.43	0.72	12.53	14.50	7.07	3.16	7.17
11.95	3.73	0.87	14.46	14.55	7.09	3.17	7.04
12.00	4.02	1.04	16.94	14.60	7.10	3.18	6.91
12.05	4.52	1.34	20.28	14.65	7.11	3.19	6.78
12.10	5.01	1.66	24.88	14.70	7.13	3.20	6.66
12.15	5.18	1.77	31.21	14.75	7.14	3.21	6.54
12.20	5.35	1.89	39.29	14.80	7.16	3.22	6.41
12.25	5.47	1.98	48.44	14.85	7.17	3.23	6.29
12.30	5.60	2.06	57.50	14.90	7.18	3.24	6.18
12.35	5.69	2.13	64.96	14.95	7.19	3.25	6.05
12.40	5.78	2.19	69.40	15.00	7.21	3.26	5.93
12.45	5.86	2.25	**70.92**	15.05	7.22	3.27	5.82
12.50	5.95	2.31	69.76	15.10	7.23	3.28	5.70
12.55	6.00	2.35	66.49	15.15	7.24	3.29	5.57
12.60	6.06	2.39	61.89	15.20	7.25	3.30	5.46
12.65	6.11	2.43	56.61	15.25	7.27	3.31	5.34
12.70	6.16	2.47	51.29	15.30	7.28	3.32	5.23
12.75	6.21	2.50	46.51	15.35	7.29	3.33	5.12
12.80	6.25	2.54	42.22	15.40	7.30	3.34	5.02
12.85	6.30	2.57	38.33	15.45	7.31	3.35	4.93
12.90	6.34	2.60	34.81	15.50	7.32	3.35	4.85
12.95	6.38	2.63	31.69	15.55	7.33	3.36	4.78

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.37	4.72	18.20	7.80	3.73	2.96
15.65	7.36	3.38	4.66	18.25	7.80	3.74	2.92
15.70	7.37	3.39	4.61	18.30	7.81	3.74	2.89
15.75	7.38	3.40	4.57	18.35	7.82	3.75	2.86
15.80	7.39	3.40	4.53	18.40	7.82	3.75	2.84
15.85	7.40	3.41	4.48	18.45	7.83	3.76	2.81
15.90	7.41	3.42	4.45	18.50	7.84	3.76	2.79
15.95	7.42	3.43	4.41	18.55	7.84	3.77	2.77
16.00	7.43	3.44	4.37	18.60	7.85	3.77	2.75
16.05	7.44	3.45	4.34	18.65	7.86	3.78	2.74
16.10	7.45	3.45	4.30	18.70	7.86	3.78	2.73
16.15	7.46	3.46	4.27	18.75	7.87	3.79	2.71
16.20	7.47	3.47	4.24	18.80	7.88	3.80	2.70
16.25	7.48	3.48	4.21	18.85	7.88	3.80	2.69
16.30	7.49	3.49	4.17	18.90	7.89	3.81	2.68
16.35	7.50	3.49	4.14	18.95	7.90	3.81	2.67
16.40	7.51	3.50	4.11	19.00	7.90	3.82	2.66
16.45	7.52	3.51	4.08	19.05	7.91	3.82	2.66
16.50	7.53	3.52	4.05	19.10	7.92	3.83	2.65
16.55	7.54	3.52	4.01	19.15	7.92	3.83	2.64
16.60	7.55	3.53	3.98	19.20	7.93	3.84	2.63
16.65	7.55	3.54	3.95	19.25	7.93	3.84	2.62
16.70	7.56	3.54	3.92	19.30	7.94	3.85	2.61
16.75	7.57	3.55	3.89	19.35	7.95	3.85	2.61
16.80	7.58	3.56	3.86	19.40	7.95	3.86	2.60
16.85	7.59	3.57	3.82	19.45	7.96	3.86	2.59
16.90	7.60	3.57	3.79	19.50	7.97	3.87	2.58
16.95	7.61	3.58	3.76	19.55	7.97	3.87	2.57
17.00	7.62	3.59	3.73	19.60	7.98	3.88	2.57
17.05	7.63	3.59	3.70	19.65	7.98	3.88	2.56
17.10	7.63	3.60	3.67	19.70	7.99	3.89	2.55
17.15	7.64	3.61	3.64	19.75	8.00	3.89	2.54
17.20	7.65	3.61	3.60	19.80	8.00	3.90	2.53
17.25	7.66	3.62	3.57	19.85	8.01	3.90	2.53
17.30	7.67	3.63	3.54	19.90	8.01	3.91	2.52
17.35	7.67	3.63	3.51	19.95	8.02	3.91	2.51
17.40	7.68	3.64	3.47	20.00	8.03	3.92	2.50
17.45	7.69	3.65	3.44	20.05	8.03	3.92	2.50
17.50	7.70	3.65	3.41	20.10	8.04	3.93	2.49
17.55	7.71	3.66	3.38	20.15	8.04	3.93	2.48
17.60	7.71	3.66	3.34	20.20	8.05	3.94	2.47
17.65	7.72	3.67	3.31	20.25	8.06	3.94	2.47
17.70	7.73	3.68	3.28	20.30	8.06	3.94	2.46
17.75	7.74	3.68	3.25	20.35	8.07	3.95	2.45
17.80	7.74	3.69	3.22	20.40	8.07	3.95	2.44
17.85	7.75	3.69	3.18	20.45	8.08	3.96	2.43
17.90	7.76	3.70	3.15	20.50	8.09	3.96	2.42
17.95	7.76	3.70	3.12	20.55	8.09	3.97	2.42
18.00	7.77	3.71	3.09	20.60	8.10	3.97	2.41
18.05	7.78	3.72	3.05	20.65	8.10	3.98	2.40
18.10	7.78	3.72	3.02	20.70	8.11	3.98	2.39
18.15	7.79	3.73	2.99	20.75	8.11	3.99	2.38

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	3.99	2.38	23.40	8.38	4.21	1.95
20.85	8.13	4.00	2.37	23.45	8.39	4.21	1.94
20.90	8.13	4.00	2.36	23.50	8.39	4.22	1.94
20.95	8.14	4.01	2.35	23.55	8.40	4.22	1.93
21.00	8.14	4.01	2.35	23.60	8.40	4.22	1.92
21.05	8.15	4.01	2.34	23.65	8.41	4.23	1.91
21.10	8.15	4.02	2.33	23.70	8.41	4.23	1.90
21.15	8.16	4.02	2.32	23.75	8.42	4.23	1.89
21.20	8.16	4.03	2.31	23.80	8.42	4.24	1.89
21.25	8.17	4.03	2.30	23.85	8.42	4.24	1.88
21.30	8.18	4.04	2.29	23.90	8.43	4.24	1.87
21.35	8.18	4.04	2.29	23.95	8.43	4.25	1.86
21.40	8.19	4.05	2.28	24.00	**8.44**	**4.25**	1.86
21.45	8.19	4.05	2.27	24.05	8.44	4.25	1.85
21.50	8.20	4.05	2.26	24.10	8.44	4.25	1.85
21.55	8.20	4.06	2.26	24.15	8.44	4.25	1.83
21.60	8.21	4.06	2.25	24.20	8.44	4.25	1.78
21.65	8.21	4.07	2.24	24.25	8.44	4.25	1.69
21.70	8.22	4.07	2.23	24.30	8.44	4.25	1.54
21.75	8.22	4.08	2.22	24.35	8.44	4.25	1.37
21.80	8.23	4.08	2.22	24.40	8.44	4.25	1.17
21.85	8.23	4.08	2.21	24.45	8.44	4.25	0.98
21.90	8.24	4.09	2.20	24.50	8.44	4.25	0.79
21.95	8.24	4.09	2.19	24.55	8.44	4.25	0.63
22.00	8.25	4.10	2.18	24.60	8.44	4.25	0.49
22.05	8.25	4.10	2.17	24.65	8.44	4.25	0.39
22.10	8.26	4.10	2.17	24.70	8.44	4.25	0.31
22.15	8.26	4.11	2.16	24.75	8.44	4.25	0.25
22.20	8.27	4.11	2.15	24.80	8.44	4.25	0.19
22.25	8.27	4.12	2.14	24.85	8.44	4.25	0.15
22.30	8.28	4.12	2.13	24.90	8.44	4.25	0.12
22.35	8.28	4.13	2.13	24.95	8.44	4.25	0.10
22.40	8.29	4.13	2.12	25.00	8.44	4.25	0.08
22.45	8.29	4.13	2.11	25.05	8.44	4.25	0.06
22.50	8.30	4.14	2.10	25.10	8.44	4.25	0.05
22.55	8.30	4.14	2.09	25.15	8.44	4.25	0.04
22.60	8.31	4.15	2.08	25.20	8.44	4.25	0.03
22.65	8.31	4.15	2.08	25.25	8.44	4.25	0.02
22.70	8.32	4.15	2.07	25.30	8.44	4.25	0.02
22.75	8.32	4.16	2.06	25.35	8.44	4.25	0.01
22.80	8.33	4.16	2.05	25.40	8.44	4.25	0.01
22.85	8.33	4.17	2.04	25.45	8.44	4.25	0.01
22.90	8.34	4.17	2.04	25.50	8.44	4.25	0.01
22.95	8.34	4.17	2.03	25.55	8.44	4.25	0.00
23.00	8.35	4.18	2.02	25.60	8.44	4.25	0.00
23.05	8.35	4.18	2.01	25.65	8.44	4.25	0.00
23.10	8.36	4.18	2.00	25.70	8.44	4.25	0.00
23.15	8.36	4.19	1.99	25.75	8.44	4.25	0.00
23.20	8.37	4.19	1.99	25.80	8.44	4.25	0.00
23.25	8.37	4.20	1.98	25.85	8.44	4.25	0.00
23.30	8.38	4.20	1.97	25.90	8.44	4.25	0.00
23.35	8.38	4.20	1.96	25.95	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.25	0.00	28.60	8.44	4.25	0.00
26.05	8.44	4.25	0.00	28.65	8.44	4.25	0.00
26.10	8.44	4.25	0.00	28.70	8.44	4.25	0.00
26.15	8.44	4.25	0.00	28.75	8.44	4.25	0.00
26.20	8.44	4.25	0.00	28.80	8.44	4.25	0.00
26.25	8.44	4.25	0.00	28.85	8.44	4.25	0.00
26.30	8.44	4.25	0.00	28.90	8.44	4.25	0.00
26.35	8.44	4.25	0.00	28.95	8.44	4.25	0.00
26.40	8.44	4.25	0.00	29.00	8.44	4.25	0.00
26.45	8.44	4.25	0.00	29.05	8.44	4.25	0.00
26.50	8.44	4.25	0.00	29.10	8.44	4.25	0.00
26.55	8.44	4.25	0.00	29.15	8.44	4.25	0.00
26.60	8.44	4.25	0.00	29.20	8.44	4.25	0.00
26.65	8.44	4.25	0.00	29.25	8.44	4.25	0.00
26.70	8.44	4.25	0.00	29.30	8.44	4.25	0.00
26.75	8.44	4.25	0.00	29.35	8.44	4.25	0.00
26.80	8.44	4.25	0.00	29.40	8.44	4.25	0.00
26.85	8.44	4.25	0.00	29.45	8.44	4.25	0.00
26.90	8.44	4.25	0.00	29.50	8.44	4.25	0.00
26.95	8.44	4.25	0.00	29.55	8.44	4.25	0.00
27.00	8.44	4.25	0.00	29.60	8.44	4.25	0.00
27.05	8.44	4.25	0.00	29.65	8.44	4.25	0.00
27.10	8.44	4.25	0.00	29.70	8.44	4.25	0.00
27.15	8.44	4.25	0.00	29.75	8.44	4.25	0.00
27.20	8.44	4.25	0.00	29.80	8.44	4.25	0.00
27.25	8.44	4.25	0.00	29.85	8.44	4.25	0.00
27.30	8.44	4.25	0.00	29.90	8.44	4.25	0.00
27.35	8.44	4.25	0.00	29.95	8.44	4.25	0.00
27.40	8.44	4.25	0.00	30.00	8.44	4.25	0.00
27.45	8.44	4.25	0.00	30.05	8.44	4.25	0.00
27.50	8.44	4.25	0.00	30.10	8.44	4.25	0.00
27.55	8.44	4.25	0.00	30.15	8.44	4.25	0.00
27.60	8.44	4.25	0.00	30.20	8.44	4.25	0.00
27.65	8.44	4.25	0.00	30.25	8.44	4.25	0.00
27.70	8.44	4.25	0.00	30.30	8.44	4.25	0.00
27.75	8.44	4.25	0.00	30.35	8.44	4.25	0.00
27.80	8.44	4.25	0.00	30.40	8.44	4.25	0.00
27.85	8.44	4.25	0.00	30.45	8.44	4.25	0.00
27.90	8.44	4.25	0.00	30.50	8.44	4.25	0.00
27.95	8.44	4.25	0.00	30.55	8.44	4.25	0.00
28.00	8.44	4.25	0.00	30.60	8.44	4.25	0.00
28.05	8.44	4.25	0.00	30.65	8.44	4.25	0.00
28.10	8.44	4.25	0.00	30.70	8.44	4.25	0.00
28.15	8.44	4.25	0.00	30.75	8.44	4.25	0.00
28.20	8.44	4.25	0.00	30.80	8.44	4.25	0.00
28.25	8.44	4.25	0.00	30.85	8.44	4.25	0.00
28.30	8.44	4.25	0.00	30.90	8.44	4.25	0.00
28.35	8.44	4.25	0.00	30.95	8.44	4.25	0.00
28.40	8.44	4.25	0.00	31.00	8.44	4.25	0.00
28.45	8.44	4.25	0.00	31.05	8.44	4.25	0.00
28.50	8.44	4.25	0.00	31.10	8.44	4.25	0.00
28.55	8.44	4.25	0.00	31.15	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.25	0.00	33.80	8.44	4.25	0.00
31.25	8.44	4.25	0.00	33.85	8.44	4.25	0.00
31.30	8.44	4.25	0.00	33.90	8.44	4.25	0.00
31.35	8.44	4.25	0.00	33.95	8.44	4.25	0.00
31.40	8.44	4.25	0.00	34.00	8.44	4.25	0.00
31.45	8.44	4.25	0.00	34.05	8.44	4.25	0.00
31.50	8.44	4.25	0.00	34.10	8.44	4.25	0.00
31.55	8.44	4.25	0.00	34.15	8.44	4.25	0.00
31.60	8.44	4.25	0.00	34.20	8.44	4.25	0.00
31.65	8.44	4.25	0.00	34.25	8.44	4.25	0.00
31.70	8.44	4.25	0.00	34.30	8.44	4.25	0.00
31.75	8.44	4.25	0.00	34.35	8.44	4.25	0.00
31.80	8.44	4.25	0.00	34.40	8.44	4.25	0.00
31.85	8.44	4.25	0.00	34.45	8.44	4.25	0.00
31.90	8.44	4.25	0.00	34.50	8.44	4.25	0.00
31.95	8.44	4.25	0.00	34.55	8.44	4.25	0.00
32.00	8.44	4.25	0.00	34.60	8.44	4.25	0.00
32.05	8.44	4.25	0.00	34.65	8.44	4.25	0.00
32.10	8.44	4.25	0.00	34.70	8.44	4.25	0.00
32.15	8.44	4.25	0.00	34.75	8.44	4.25	0.00
32.20	8.44	4.25	0.00	34.80	8.44	4.25	0.00
32.25	8.44	4.25	0.00	34.85	8.44	4.25	0.00
32.30	8.44	4.25	0.00	34.90	8.44	4.25	0.00
32.35	8.44	4.25	0.00	34.95	8.44	4.25	0.00
32.40	8.44	4.25	0.00	35.00	8.44	4.25	0.00
32.45	8.44	4.25	0.00	35.05	8.44	4.25	0.00
32.50	8.44	4.25	0.00	35.10	8.44	4.25	0.00
32.55	8.44	4.25	0.00	35.15	8.44	4.25	0.00
32.60	8.44	4.25	0.00	35.20	8.44	4.25	0.00
32.65	8.44	4.25	0.00	35.25	8.44	4.25	0.00
32.70	8.44	4.25	0.00	35.30	8.44	4.25	0.00
32.75	8.44	4.25	0.00	35.35	8.44	4.25	0.00
32.80	8.44	4.25	0.00	35.40	8.44	4.25	0.00
32.85	8.44	4.25	0.00	35.45	8.44	4.25	0.00
32.90	8.44	4.25	0.00	35.50	8.44	4.25	0.00
32.95	8.44	4.25	0.00	35.55	8.44	4.25	0.00
33.00	8.44	4.25	0.00	35.60	8.44	4.25	0.00
33.05	8.44	4.25	0.00	35.65	8.44	4.25	0.00
33.10	8.44	4.25	0.00	35.70	8.44	4.25	0.00
33.15	8.44	4.25	0.00	35.75	8.44	4.25	0.00
33.20	8.44	4.25	0.00	35.80	8.44	4.25	0.00
33.25	8.44	4.25	0.00	35.85	8.44	4.25	0.00
33.30	8.44	4.25	0.00	35.90	8.44	4.25	0.00
33.35	8.44	4.25	0.00	35.95	8.44	4.25	0.00
33.40	8.44	4.25	0.00	36.00	8.44	4.25	0.00
33.45	8.44	4.25	0.00	36.05	8.44	4.25	0.00
33.50	8.44	4.25	0.00	36.10	8.44	4.25	0.00
33.55	8.44	4.25	0.00	36.15	8.44	4.25	0.00
33.60	8.44	4.25	0.00	36.20	8.44	4.25	0.00
33.65	8.44	4.25	0.00	36.25	8.44	4.25	0.00
33.70	8.44	4.25	0.00	36.30	8.44	4.25	0.00
33.75	8.44	4.25	0.00	36.35	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.25	0.00
36.45	8.44	4.25	0.00
36.50	8.44	4.25	0.00
36.55	8.44	4.25	0.00
36.60	8.44	4.25	0.00
36.65	8.44	4.25	0.00
36.70	8.44	4.25	0.00
36.75	8.44	4.25	0.00
36.80	8.44	4.25	0.00
36.85	8.44	4.25	0.00
36.90	8.44	4.25	0.00
36.95	8.44	4.25	0.00
37.00	8.44	4.25	0.00
37.05	8.44	4.25	0.00
37.10	8.44	4.25	0.00
37.15	8.44	4.25	0.00
37.20	8.44	4.25	0.00
37.25	8.44	4.25	0.00
37.30	8.44	4.25	0.00
37.35	8.44	4.25	0.00
37.40	8.44	4.25	0.00
37.45	8.44	4.25	0.00
37.50	8.44	4.25	0.00
37.55	8.44	4.25	0.00
37.60	8.44	4.25	0.00
37.65	8.44	4.25	0.00
37.70	8.44	4.25	0.00
37.75	8.44	4.25	0.00
37.80	8.44	4.25	0.00
37.85	8.44	4.25	0.00
37.90	8.44	4.25	0.00
37.95	8.44	4.25	0.00
38.00	8.44	4.25	0.00
38.05	8.44	4.25	0.00
38.10	8.44	4.25	0.00
38.15	8.44	4.25	0.00
38.20	8.44	4.25	0.00
38.25	8.44	4.25	0.00
38.30	8.44	4.25	0.00
38.35	8.44	4.25	0.00
38.40	8.44	4.25	0.00
38.45	8.44	4.25	0.00
38.50	8.44	4.25	0.00
38.55	8.44	4.25	0.00
38.60	8.44	4.25	0.00
38.65	8.44	4.25	0.00
38.70	8.44	4.25	0.00
38.75	8.44	4.25	0.00
38.80	8.44	4.25	0.00
38.85	8.44	4.25	0.00
38.90	8.44	4.25	0.00
38.95	8.44	4.25	0.00
39.00	8.44	4.25	0.00
39.05	8.44	4.25	0.00
39.10	8.44	4.25	0.00
39.15	8.44	4.25	0.00
39.20	8.44	4.25	0.00
39.25	8.44	4.25	0.00
39.30	8.44	4.25	0.00
39.35	8.44	4.25	0.00
39.40	8.44	4.25	0.00
39.45	8.44	4.25	0.00
39.50	8.44	4.25	0.00
39.55	8.44	4.25	0.00
39.60	8.44	4.25	0.00
39.65	8.44	4.25	0.00
39.70	8.44	4.25	0.00
39.75	8.44	4.25	0.00
39.80	8.44	4.25	0.00
39.85	8.44	4.25	0.00
39.90	8.44	4.25	0.00
39.95	8.44	4.25	0.00
40.00	8.44	4.25	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 5.77" for Current 100 yr event
Inflow = 10.18 cfs @ 12.09 hrs, Volume= 1.337 af
Outflow = 2.92 cfs @ 13.24 hrs, Volume= 1.016 af, Atten= 71%, Lag= 68.9 min
Primary = 2.92 cfs @ 13.24 hrs, Volume= 1.016 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 211.60' @ 13.24 hrs Surf.Area= 12,721 sf Storage= 29,731 cf

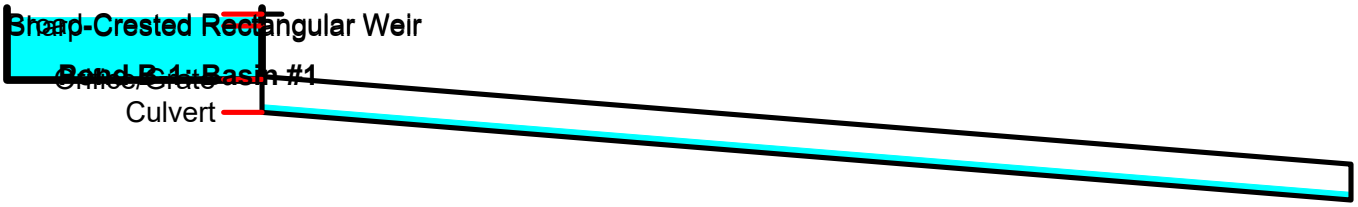
Plug-Flow detention time= 456.9 min calculated for 1.015 af (76% of inflow)
Center-of-Mass det. time= 369.2 min (1,209.1 - 839.9)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

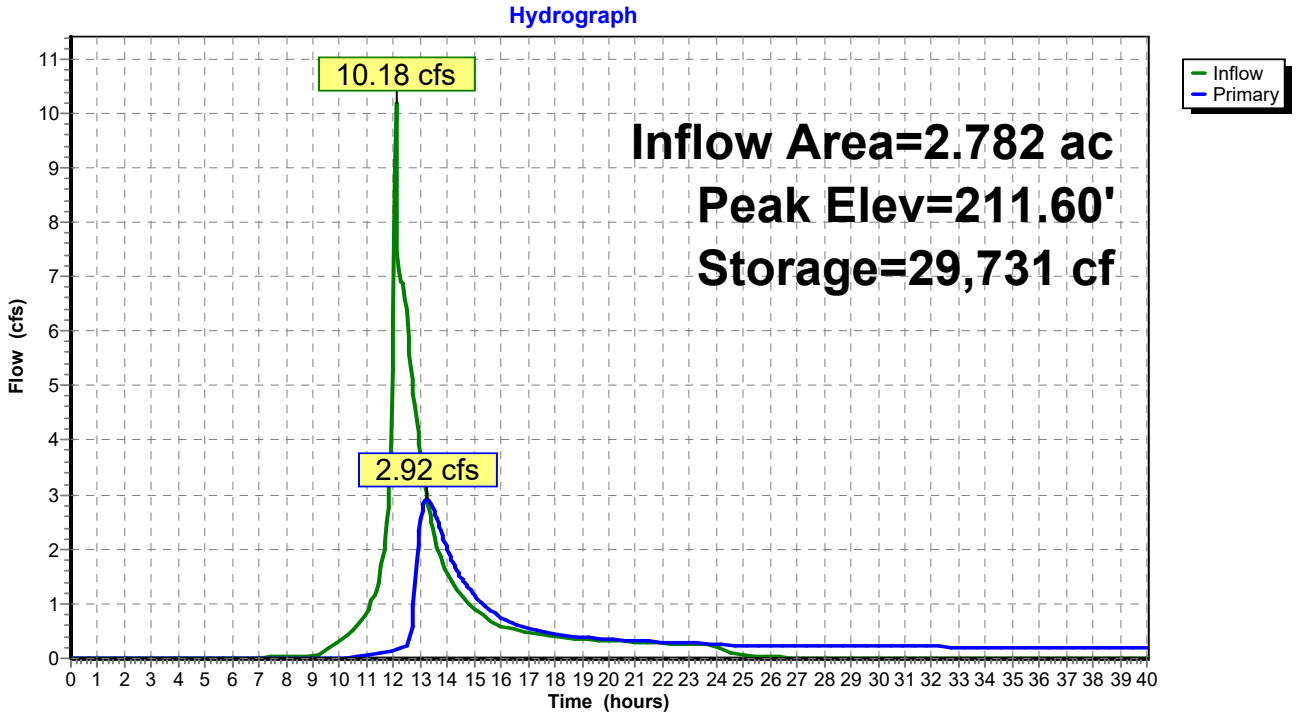
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.91 cfs @ 13.24 hrs HW=211.60' (Free Discharge)
- **1=Culvert** (Passes 2.91 cfs of 13.69 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.26 cfs @ 7.58 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 2.66 cfs @ 1.93 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	0	209.00	0.00
1.50	0.00	0	209.00	0.00
1.60	0.00	0	209.00	0.00
1.70	0.00	0	209.00	0.00
1.80	0.00	0	209.00	0.00
1.90	0.00	0	209.00	0.00
2.00	0.00	0	209.00	0.00
2.10	0.00	0	209.00	0.00
2.20	0.00	0	209.00	0.00
2.30	0.00	0	209.00	0.00
2.40	0.00	0	209.00	0.00
2.50	0.00	0	209.00	0.00
2.60	0.00	0	209.00	0.00
2.70	0.00	0	209.00	0.00
2.80	0.00	0	209.00	0.00
2.90	0.00	0	209.00	0.00
3.00	0.00	0	209.00	0.00
3.10	0.00	0	209.00	0.00
3.20	0.00	0	209.00	0.00
3.30	0.00	0	209.00	0.00
3.40	0.00	0	209.00	0.00
3.50	0.00	0	209.00	0.00
3.60	0.00	0	209.00	0.00
3.70	0.00	0	209.00	0.00
3.80	0.00	0	209.00	0.00
3.90	0.00	0	209.00	0.00
4.00	0.00	0	209.00	0.00
4.10	0.00	0	209.00	0.00
4.20	0.00	0	209.00	0.00
4.30	0.00	0	209.00	0.00
4.40	0.00	0	209.00	0.00
4.50	0.00	0	209.00	0.00
4.60	0.00	0	209.00	0.00
4.70	0.00	0	209.00	0.00
4.80	0.00	0	209.00	0.00
4.90	0.00	0	209.00	0.00
5.00	0.00	0	209.00	0.00
5.10	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	209.00	0.00
5.30	0.00	0	209.00	0.00
5.40	0.00	0	209.00	0.00
5.50	0.00	0	209.00	0.00
5.60	0.00	0	209.00	0.00
5.70	0.00	0	209.00	0.00
5.80	0.00	0	209.00	0.00
5.90	0.00	0	209.00	0.00
6.00	0.00	0	209.00	0.00
6.10	0.00	0	209.00	0.00
6.20	0.00	0	209.00	0.00
6.30	0.00	0	209.00	0.00
6.40	0.00	0	209.00	0.00
6.50	0.00	1	209.00	0.00
6.60	0.00	2	209.00	0.00
6.70	0.01	4	209.00	0.00
6.80	0.01	6	209.00	0.00
6.90	0.01	9	209.00	0.00
7.00	0.01	12	209.00	0.00
7.10	0.01	15	209.00	0.00
7.20	0.01	20	209.00	0.00
7.30	0.01	25	209.00	0.00
7.40	0.02	30	209.00	0.00
7.50	0.02	36	209.00	0.00
7.60	0.02	43	209.00	0.00
7.70	0.02	50	209.00	0.00
7.80	0.02	59	209.01	0.00
7.90	0.03	67	209.01	0.00
8.00	0.03	77	209.01	0.00
8.10	0.03	87	209.01	0.00
8.20	0.03	99	209.01	0.00
8.30	0.03	110	209.01	0.00
8.40	0.04	123	209.01	0.00
8.50	0.04	137	209.01	0.00
8.60	0.04	151	209.01	0.00
8.70	0.04	167	209.02	0.00
8.80	0.05	183	209.02	0.00
8.90	0.05	200	209.02	0.00
9.00	0.05	218	209.02	0.00
9.10	0.06	237	209.02	0.00
9.20	0.06	259	209.03	0.00
9.30	0.08	284	209.03	0.00
9.40	0.11	318	209.03	0.00
9.50	0.14	362	209.04	0.00
9.60	0.18	419	209.04	0.00
9.70	0.21	489	209.05	0.00
9.80	0.26	573	209.06	0.00
9.90	0.29	671	209.07	0.00
10.00	0.33	782	209.08	0.01
10.10	0.37	907	209.09	0.01
10.20	0.41	1,044	209.10	0.01
10.30	0.45	1,194	209.12	0.02

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.48	1,355	209.13	0.02
10.50	0.52	1,527	209.15	0.03
10.60	0.57	1,714	209.17	0.03
10.70	0.63	1,918	209.19	0.04
10.80	0.70	2,142	209.21	0.05
10.90	0.77	2,388	209.23	0.05
11.00	0.85	2,660	209.26	0.06
11.10	0.96	2,964	209.29	0.07
11.20	1.06	3,306	209.32	0.07
11.30	1.17	3,682	209.36	0.08
11.40	1.28	4,095	209.39	0.09
11.50	1.42	4,550	209.44	0.09
11.60	1.85	5,117	209.49	0.10
11.70	2.10	5,792	209.55	0.11
11.80	2.76	6,640	209.63	0.12
11.90	3.79	7,792	209.74	0.13
12.00	6.20	9,596	209.90	0.14
12.10	**10.12**	12,608	210.17	0.17
12.20	7.09	15,434	210.42	0.19
12.30	7.02	17,880	210.63	0.20
12.40	6.66	20,252	210.83	0.21
12.50	6.38	22,524	211.02	0.23
12.60	5.60	24,577	211.19	0.24
12.70	5.12	26,384	211.33	0.56
12.80	4.63	27,786	211.45	1.38
12.90	4.16	28,737	211.52	2.08
13.00	3.73	29,313	211.57	2.55
13.10	3.35	29,612	211.59	2.81
13.20	3.03	**29,723**	**211.60**	**2.91**
13.30	2.75	**29,712**	**211.60**	**2.90**
13.40	2.50	29,622	211.59	2.82
13.50	2.27	29,483	211.58	2.70
13.60	2.07	29,315	211.57	2.56
13.70	1.91	29,137	211.55	2.41
13.80	1.77	28,959	211.54	2.26
13.90	1.65	28,787	211.53	2.12
14.00	1.55	28,623	211.51	1.99
14.10	1.45	28,467	211.50	1.87
14.20	1.37	28,322	211.49	1.76
14.30	1.30	28,187	211.48	1.66
14.40	1.23	28,060	211.47	1.57
14.50	1.17	27,942	211.46	1.48
14.60	1.11	27,832	211.45	1.41
14.70	1.06	27,728	211.44	1.34
14.80	1.01	27,631	211.43	1.27
14.90	0.96	27,539	211.43	1.21
15.00	0.92	27,452	211.42	1.15
15.10	0.88	27,368	211.41	1.10
15.20	0.84	27,290	211.41	1.05
15.30	0.79	27,212	211.40	1.00
15.40	0.74	27,135	211.39	0.96
15.50	0.71	27,058	211.39	0.91

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.68	26,985	211.38	0.87
15.70	0.65	26,916	211.38	0.83
15.80	0.63	26,852	211.37	0.80
15.90	0.61	26,794	211.37	0.77
16.00	0.59	26,739	211.36	0.74
16.10	0.58	26,688	211.36	0.71
16.20	0.56	26,642	211.35	0.69
16.30	0.55	26,598	211.35	0.67
16.40	0.54	26,558	211.35	0.65
16.50	0.53	26,521	211.34	0.63
16.60	0.52	26,486	211.34	0.61
16.70	0.51	26,454	211.34	0.59
16.80	0.50	26,423	211.34	0.58
16.90	0.49	26,394	211.33	0.57
17.00	0.48	26,366	211.33	0.56
17.10	0.47	26,339	211.33	0.54
17.20	0.46	26,313	211.33	0.53
17.30	0.45	26,288	211.33	0.52
17.40	0.45	26,264	211.32	0.51
17.50	0.44	26,240	211.32	0.50
17.60	0.43	26,217	211.32	0.49
17.70	0.42	26,195	211.32	0.48
17.80	0.41	26,173	211.32	0.47
17.90	0.40	26,151	211.32	0.46
18.00	0.39	26,129	211.31	0.45
18.10	0.39	26,108	211.31	0.44
18.20	0.38	26,088	211.31	0.43
18.30	0.37	26,068	211.31	0.43
18.40	0.37	26,048	211.31	0.42
18.50	0.36	26,029	211.31	0.41
18.60	0.36	26,010	211.30	0.41
18.70	0.35	25,993	211.30	0.40
18.80	0.35	25,976	211.30	0.40
18.90	0.35	25,959	211.30	0.39
19.00	0.34	25,944	211.30	0.39
19.10	0.34	25,929	211.30	0.38
19.20	0.34	25,915	211.30	0.38
19.30	0.34	25,902	211.30	0.37
19.40	0.33	25,889	211.29	0.37
19.50	0.33	25,877	211.29	0.36
19.60	0.33	25,865	211.29	0.36
19.70	0.33	25,854	211.29	0.36
19.80	0.32	25,844	211.29	0.35
19.90	0.32	25,834	211.29	0.35
20.00	0.32	25,824	211.29	0.35
20.10	0.32	25,815	211.29	0.34
20.20	0.32	25,806	211.29	0.34
20.30	0.31	25,797	211.29	0.34
20.40	0.31	25,789	211.29	0.33
20.50	0.31	25,780	211.29	0.33
20.60	0.31	25,772	211.28	0.33
20.70	0.30	25,765	211.28	0.33

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.30	25,757	211.28	0.32
20.90	0.30	25,750	211.28	0.32
21.00	0.30	25,743	211.28	0.32
21.10	0.30	25,736	211.28	0.32
21.20	0.29	25,729	211.28	0.31
21.30	0.29	25,722	211.28	0.31
21.40	0.29	25,715	211.28	0.31
21.50	0.29	25,708	211.28	0.31
21.60	0.29	25,701	211.28	0.31
21.70	0.28	25,694	211.28	0.30
21.80	0.28	25,686	211.28	0.30
21.90	0.28	25,678	211.28	0.30
22.00	0.28	25,670	211.28	0.30
22.10	0.28	25,662	211.28	0.30
22.20	0.27	25,653	211.28	0.30
22.30	0.27	25,645	211.27	0.30
22.40	0.27	25,636	211.27	0.29
22.50	0.27	25,627	211.27	0.29
22.60	0.27	25,618	211.27	0.29
22.70	0.26	25,608	211.27	0.29
22.80	0.26	25,599	211.27	0.29
22.90	0.26	25,589	211.27	0.29
23.00	0.26	25,580	211.27	0.28
23.10	0.25	25,570	211.27	0.28
23.20	0.25	25,560	211.27	0.28
23.30	0.25	25,550	211.27	0.28
23.40	0.25	25,540	211.27	0.28
23.50	0.25	25,529	211.27	0.27
23.60	0.24	25,519	211.26	0.27
23.70	0.24	25,509	211.26	0.27
23.80	0.24	25,498	211.26	0.27
23.90	0.24	25,488	211.26	0.27
24.00	0.25	25,481	211.26	0.27
24.10	0.16	25,456	211.26	0.26
24.20	0.15	25,420	211.26	0.25
24.30	0.13	25,380	211.25	0.25
24.40	0.11	25,336	211.25	0.24
24.50	0.10	25,288	211.25	0.24
24.60	0.09	25,236	211.24	0.24
24.70	0.08	25,179	211.24	0.24
24.80	0.07	25,120	211.23	0.24
24.90	0.06	25,057	211.23	0.24
25.00	0.05	24,992	211.22	0.24
25.10	0.05	24,925	211.22	0.24
25.20	0.04	24,856	211.21	0.24
25.30	0.04	24,785	211.20	0.24
25.40	0.03	24,712	211.20	0.24
25.50	0.03	24,638	211.19	0.24
25.60	0.03	24,563	211.19	0.24
25.70	0.02	24,488	211.18	0.24
25.80	0.02	24,412	211.17	0.24
25.90	0.02	24,336	211.17	0.23

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.02	24,259	211.16	0.23
26.10	0.02	24,182	211.16	0.23
26.20	0.02	24,104	211.15	0.23
26.30	0.02	24,027	211.14	0.23
26.40	0.02	23,949	211.14	0.23
26.50	0.02	23,871	211.13	0.23
26.60	0.01	23,792	211.12	0.23
26.70	0.01	23,714	211.12	0.23
26.80	0.01	23,635	211.11	0.23
26.90	0.01	23,556	211.10	0.23
27.00	0.01	23,477	211.10	0.23
27.10	0.01	23,398	211.09	0.23
27.20	0.01	23,319	211.09	0.23
27.30	0.01	23,240	211.08	0.23
27.40	0.01	23,161	211.07	0.23
27.50	0.01	23,081	211.07	0.23
27.60	0.01	23,002	211.06	0.23
27.70	0.01	22,922	211.05	0.23
27.80	0.01	22,843	211.05	0.23
27.90	0.01	22,763	211.04	0.23
28.00	0.01	22,684	211.03	0.23
28.10	0.01	22,604	211.03	0.23
28.20	0.01	22,525	211.02	0.23
28.30	0.00	22,445	211.01	0.23
28.40	0.00	22,366	211.01	0.23
28.50	0.00	22,287	211.00	0.22
28.60	0.00	22,207	210.99	0.22
28.70	0.00	22,128	210.99	0.22
28.80	0.00	22,049	210.98	0.22
28.90	0.00	21,970	210.97	0.22
29.00	0.00	21,890	210.97	0.22
29.10	0.00	21,811	210.96	0.22
29.20	0.00	21,732	210.95	0.22
29.30	0.00	21,654	210.95	0.22
29.40	0.00	21,575	210.94	0.22
29.50	0.00	21,496	210.93	0.22
29.60	0.00	21,417	210.93	0.22
29.70	0.00	21,339	210.92	0.22
29.80	0.00	21,261	210.92	0.22
29.90	0.00	21,182	210.91	0.22
30.00	0.00	21,104	210.90	0.22
30.10	0.00	21,026	210.90	0.22
30.20	0.00	20,948	210.89	0.22
30.30	0.00	20,870	210.88	0.22
30.40	0.00	20,792	210.88	0.22
30.50	0.00	20,714	210.87	0.22
30.60	0.00	20,637	210.86	0.22
30.70	0.00	20,559	210.86	0.22
30.80	0.00	20,482	210.85	0.22
30.90	0.00	20,405	210.84	0.22
31.00	0.00	20,328	210.84	0.21
31.10	0.00	20,251	210.83	0.21

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	20,174	210.82	0.21
31.30	0.00	20,097	210.82	0.21
31.40	0.00	20,021	210.81	0.21
31.50	0.00	19,944	210.81	0.21
31.60	0.00	19,868	210.80	0.21
31.70	0.00	19,792	210.79	0.21
31.80	0.00	19,716	210.79	0.21
31.90	0.00	19,640	210.78	0.21
32.00	0.00	19,564	210.77	0.21
32.10	0.00	19,489	210.77	0.21
32.20	0.00	19,413	210.76	0.21
32.30	0.00	19,338	210.75	0.21
32.40	0.00	19,262	210.75	0.21
32.50	0.00	19,187	210.74	0.21
32.60	0.00	19,112	210.74	0.21
32.70	0.00	19,038	210.73	0.21
32.80	0.00	18,963	210.72	0.21
32.90	0.00	18,888	210.72	0.21
33.00	0.00	18,814	210.71	0.21
33.10	0.00	18,740	210.70	0.21
33.20	0.00	18,666	210.70	0.21
33.30	0.00	18,592	210.69	0.21
33.40	0.00	18,518	210.69	0.21
33.50	0.00	18,444	210.68	0.20
33.60	0.00	18,371	210.67	0.20
33.70	0.00	18,297	210.67	0.20
33.80	0.00	18,224	210.66	0.20
33.90	0.00	18,151	210.65	0.20
34.00	0.00	18,078	210.65	0.20
34.10	0.00	18,005	210.64	0.20
34.20	0.00	17,933	210.64	0.20
34.30	0.00	17,860	210.63	0.20
34.40	0.00	17,788	210.62	0.20
34.50	0.00	17,715	210.62	0.20
34.60	0.00	17,643	210.61	0.20
34.70	0.00	17,571	210.60	0.20
34.80	0.00	17,500	210.60	0.20
34.90	0.00	17,428	210.59	0.20
35.00	0.00	17,356	210.59	0.20
35.10	0.00	17,285	210.58	0.20
35.20	0.00	17,214	210.57	0.20
35.30	0.00	17,143	210.57	0.20
35.40	0.00	17,072	210.56	0.20
35.50	0.00	17,001	210.56	0.20
35.60	0.00	16,931	210.55	0.20
35.70	0.00	16,860	210.54	0.20
35.80	0.00	16,790	210.54	0.20
35.90	0.00	16,720	210.53	0.19
36.00	0.00	16,650	210.53	0.19
36.10	0.00	16,580	210.52	0.19
36.20	0.00	16,510	210.51	0.19
36.30	0.00	16,440	210.51	0.19

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	16,371	210.50	0.19
36.50	0.00	16,302	210.50	0.19
36.60	0.00	16,233	210.49	0.19
36.70	0.00	16,164	210.48	0.19
36.80	0.00	16,095	210.48	0.19
36.90	0.00	16,026	210.47	0.19
37.00	0.00	15,958	210.47	0.19
37.10	0.00	15,889	210.46	0.19
37.20	0.00	15,821	210.45	0.19
37.30	0.00	15,753	210.45	0.19
37.40	0.00	15,685	210.44	0.19
37.50	0.00	15,617	210.44	0.19
37.60	0.00	15,550	210.43	0.19
37.70	0.00	15,482	210.43	0.19
37.80	0.00	15,415	210.42	0.19
37.90	0.00	15,348	210.41	0.19
38.00	0.00	15,281	210.41	0.19
38.10	0.00	15,214	210.40	0.19
38.20	0.00	15,147	210.40	0.19
38.30	0.00	15,081	210.39	0.18
38.40	0.00	15,014	210.38	0.18
38.50	0.00	14,948	210.38	0.18
38.60	0.00	14,882	210.37	0.18
38.70	0.00	14,816	210.37	0.18
38.80	0.00	14,750	210.36	0.18
38.90	0.00	14,684	210.36	0.18
39.00	0.00	14,619	210.35	0.18
39.10	0.00	14,554	210.34	0.18
39.20	0.00	14,488	210.34	0.18
39.30	0.00	14,423	210.33	0.18
39.40	0.00	14,358	210.33	0.18
39.50	0.00	14,294	210.32	0.18
39.60	0.00	14,229	210.32	0.18
39.70	0.00	14,165	210.31	0.18
39.80	0.00	14,100	210.30	0.18
39.90	0.00	14,036	210.30	0.18
40.00	0.00	13,972	210.29	0.18

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 6.95" for Current 100 yr event
Inflow = 14.91 cfs @ 12.08 hrs, Volume= 0.970 af
Outflow = 1.35 cfs @ 12.88 hrs, Volume= 0.688 af, Atten= 91%, Lag= 47.9 min
Primary = 1.35 cfs @ 12.88 hrs, Volume= 0.688 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 182.19' @ 12.88 hrs Surf.Area= 8,477 sf Storage= 27,052 cf

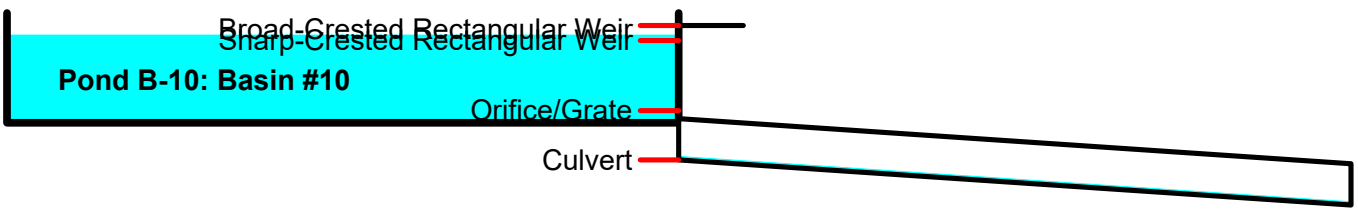
Plug-Flow detention time= 660.3 min calculated for 0.687 af (71% of inflow)
Center-of-Mass det. time= 564.0 min (1,327.0 - 762.9)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

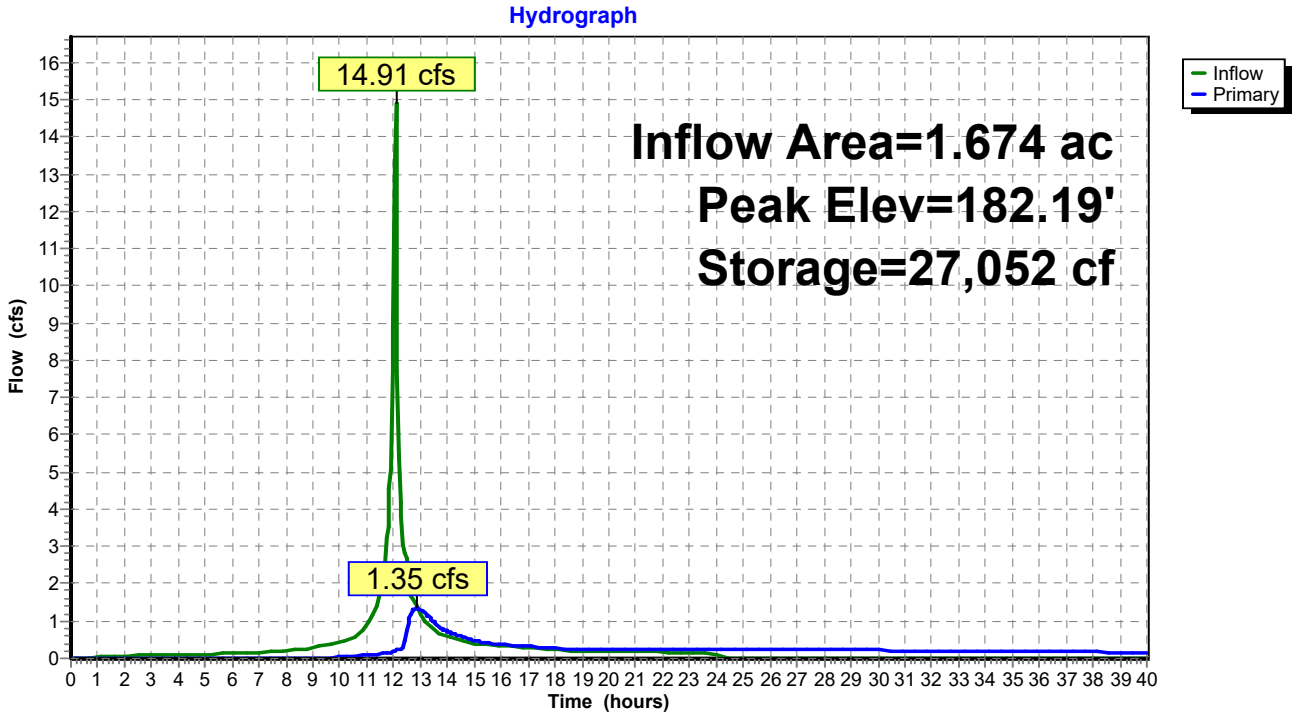
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.35 cfs @ 12.88 hrs HW=182.19' (Free Discharge)
- **1=Culvert** (Passes 1.35 cfs of 16.57 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.27 cfs @ 7.83 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 1.08 cfs @ 1.43 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.01	2	179.00	0.00
0.70	0.02	7	179.00	0.00
0.80	0.02	13	179.00	0.00
0.90	0.03	22	179.00	0.00
1.00	0.03	32	179.00	0.00
1.10	0.04	44	179.01	0.00
1.20	0.04	58	179.01	0.00
1.30	0.04	73	179.01	0.00
1.40	0.05	90	179.01	0.00
1.50	0.05	107	179.01	0.00
1.60	0.05	126	179.01	0.00
1.70	0.06	146	179.02	0.00
1.80	0.06	167	179.02	0.00
1.90	0.06	189	179.02	0.00
2.00	0.06	212	179.02	0.00
2.10	0.07	236	179.03	0.00
2.20	0.07	260	179.03	0.00
2.30	0.07	286	179.03	0.00
2.40	0.07	312	179.04	0.00
2.50	0.08	339	179.04	0.00
2.60	0.08	367	179.04	0.00
2.70	0.08	395	179.05	0.00
2.80	0.08	424	179.05	0.00
2.90	0.08	454	179.05	0.00
3.00	0.08	484	179.06	0.00
3.10	0.09	515	179.06	0.00
3.20	0.09	546	179.06	0.00
3.30	0.09	578	179.07	0.00
3.40	0.09	611	179.07	0.00
3.50	0.09	644	179.08	0.00
3.60	0.09	677	179.08	0.00
3.70	0.10	712	179.08	0.00
3.80	0.10	746	179.09	0.00
3.90	0.10	781	179.09	0.00
4.00	0.10	817	179.10	0.00
4.10	0.10	853	179.10	0.00
4.20	0.10	889	179.10	0.00
4.30	0.10	927	179.11	0.00
4.40	0.10	964	179.11	0.00
4.50	0.11	1,002	179.12	0.00
4.60	0.11	1,040	179.12	0.00
4.70	0.11	1,079	179.13	0.00
4.80	0.11	1,118	179.13	0.00
4.90	0.11	1,157	179.14	0.00
5.00	0.11	1,197	179.14	0.00
5.10	0.11	1,238	179.15	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,279	179.15	0.00
5.30	0.11	1,320	179.16	0.00
5.40	0.12	1,361	179.16	0.00
5.50	0.12	1,403	179.17	0.00
5.60	0.12	1,445	179.17	0.00
5.70	0.12	1,488	179.18	0.00
5.80	0.12	1,531	179.18	0.00
5.90	0.12	1,575	179.19	0.00
6.00	0.12	1,618	179.19	0.00
6.10	0.13	1,663	179.20	0.00
6.20	0.13	1,709	179.20	0.00
6.30	0.13	1,756	179.21	0.00
6.40	0.14	1,805	179.21	0.00
6.50	0.14	1,855	179.22	0.00
6.60	0.15	1,906	179.22	0.00
6.70	0.15	1,959	179.23	0.00
6.80	0.15	2,014	179.24	0.00
6.90	0.16	2,070	179.24	0.00
7.00	0.16	2,128	179.25	0.00
7.10	0.17	2,188	179.26	0.00
7.20	0.17	2,249	179.27	0.00
7.30	0.18	2,312	179.27	0.00
7.40	0.18	2,377	179.28	0.00
7.50	0.19	2,443	179.29	0.00
7.60	0.19	2,511	179.30	0.00
7.70	0.20	2,581	179.30	0.00
7.80	0.20	2,652	179.31	0.00
7.90	0.21	2,726	179.32	0.00
8.00	0.21	2,801	179.33	0.00
8.10	0.22	2,878	179.34	0.00
8.20	0.22	2,957	179.35	0.00
8.30	0.23	3,037	179.36	0.00
8.40	0.23	3,119	179.37	0.00
8.50	0.24	3,204	179.38	0.00
8.60	0.24	3,290	179.39	0.00
8.70	0.25	3,378	179.40	0.00
8.80	0.25	3,468	179.41	0.00
8.90	0.26	3,560	179.42	0.00
9.00	0.26	3,654	179.43	0.00
9.10	0.28	3,753	179.44	0.00
9.20	0.30	3,856	179.45	0.00
9.30	0.31	3,966	179.47	0.00
9.40	0.33	4,081	179.48	0.00
9.50	0.35	4,201	179.50	0.01
9.60	0.36	4,327	179.51	0.01
9.70	0.38	4,457	179.53	0.01
9.80	0.40	4,592	179.54	0.02
9.90	0.42	4,732	179.56	0.02
10.00	0.43	4,876	179.58	0.03
10.10	0.45	5,024	179.59	0.04
10.20	0.47	5,177	179.61	0.04
10.30	0.49	5,334	179.63	0.05

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.51	5,496	179.65	0.05
10.50	0.53	5,664	179.67	0.06
10.60	0.59	5,847	179.69	0.06
10.70	0.66	6,052	179.71	0.07
10.80	0.73	6,279	179.74	0.07
10.90	0.79	6,528	179.77	0.08
11.00	0.87	6,801	179.80	0.08
11.10	0.99	7,109	179.84	0.09
11.20	1.12	7,462	179.88	0.10
11.30	1.25	7,859	179.93	0.10
11.40	1.39	8,301	179.98	0.11
11.50	1.53	8,787	180.04	0.12
11.60	2.34	9,476	180.12	0.12
11.70	2.54	10,310	180.22	0.13
11.80	3.53	11,387	180.34	0.15
11.90	5.07	12,925	180.52	0.16
12.00	8.90	15,508	180.83	0.19
12.10	**14.42**	19,925	181.35	0.22
12.20	5.39	23,015	181.72	0.24
12.30	3.81	24,512	181.89	0.25
12.40	2.82	25,565	182.02	0.30
12.50	2.63	26,361	182.11	0.74
12.60	1.74	26,774	182.16	1.08
12.70	1.62	26,951	182.18	1.25
12.80	1.48	27,035	182.19	1.34
12.90	1.34	**27,051**	**182.19**	**1.35**
13.00	1.20	27,020	182.19	1.32
13.10	1.06	26,955	182.18	1.26
13.20	0.98	26,879	182.17	1.18
13.30	0.90	26,802	182.16	1.11
13.40	0.83	26,724	182.15	1.04
13.50	0.75	26,643	182.14	0.97
13.60	0.68	26,560	182.13	0.90
13.70	0.66	26,487	182.12	0.84
13.80	0.64	26,427	182.12	0.79
13.90	0.62	26,375	182.11	0.75
14.00	0.60	26,329	182.11	0.72
14.10	0.58	26,287	182.10	0.69
14.20	0.56	26,249	182.10	0.66
14.30	0.54	26,213	182.09	0.63
14.40	0.52	26,179	182.09	0.61
14.50	0.50	26,147	182.08	0.58
14.60	0.48	26,116	182.08	0.56
14.70	0.46	26,085	182.08	0.54
14.80	0.44	26,053	182.07	0.52
14.90	0.42	26,021	182.07	0.51
15.00	0.40	25,988	182.07	0.49
15.10	0.38	25,955	182.06	0.47
15.20	0.37	25,924	182.06	0.45
15.30	0.37	25,897	182.06	0.44
15.40	0.36	25,874	182.05	0.42
15.50	0.36	25,853	182.05	0.41

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.35	25,835	182.05	0.40
15.70	0.35	25,817	182.05	0.39
15.80	0.34	25,802	182.04	0.38
15.90	0.34	25,787	182.04	0.37
16.00	0.33	25,774	182.04	0.37
16.10	0.33	25,761	182.04	0.36
16.20	0.32	25,748	182.04	0.36
16.30	0.31	25,734	182.04	0.35
16.40	0.31	25,720	182.03	0.35
16.50	0.30	25,705	182.03	0.34
16.60	0.30	25,691	182.03	0.34
16.70	0.29	25,676	182.03	0.33
16.80	0.29	25,661	182.03	0.33
16.90	0.28	25,645	182.03	0.32
17.00	0.28	25,630	182.02	0.32
17.10	0.27	25,615	182.02	0.31
17.20	0.27	25,599	182.02	0.31
17.30	0.26	25,583	182.02	0.30
17.40	0.26	25,567	182.02	0.30
17.50	0.25	25,550	182.01	0.29
17.60	0.25	25,534	182.01	0.29
17.70	0.24	25,518	182.01	0.28
17.80	0.23	25,502	182.01	0.28
17.90	0.23	25,485	182.01	0.27
18.00	0.22	25,469	182.00	0.27
18.10	0.22	25,452	182.00	0.26
18.20	0.22	25,436	182.00	0.26
18.30	0.22	25,421	182.00	0.26
18.40	0.21	25,406	182.00	0.26
18.50	0.21	25,390	182.00	0.26
18.60	0.21	25,374	181.99	0.26
18.70	0.21	25,358	181.99	0.26
18.80	0.21	25,341	181.99	0.26
18.90	0.21	25,323	181.99	0.26
19.00	0.21	25,305	181.99	0.26
19.10	0.20	25,287	181.98	0.26
19.20	0.20	25,268	181.98	0.26
19.30	0.20	25,249	181.98	0.26
19.40	0.20	25,230	181.98	0.26
19.50	0.20	25,210	181.97	0.26
19.60	0.20	25,189	181.97	0.26
19.70	0.20	25,168	181.97	0.26
19.80	0.20	25,147	181.97	0.26
19.90	0.19	25,125	181.96	0.26
20.00	0.19	25,103	181.96	0.26
20.10	0.19	25,081	181.96	0.26
20.20	0.19	25,057	181.96	0.25
20.30	0.19	25,034	181.95	0.25
20.40	0.19	25,010	181.95	0.25
20.50	0.19	24,986	181.95	0.25
20.60	0.19	24,961	181.94	0.25
20.70	0.18	24,936	181.94	0.25

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.18	24,910	181.94	0.25
20.90	0.18	24,884	181.94	0.25
21.00	0.18	24,858	181.93	0.25
21.10	0.18	24,831	181.93	0.25
21.20	0.18	24,803	181.93	0.25
21.30	0.18	24,776	181.92	0.25
21.40	0.17	24,748	181.92	0.25
21.50	0.17	24,719	181.92	0.25
21.60	0.17	24,690	181.91	0.25
21.70	0.17	24,661	181.91	0.25
21.80	0.17	24,631	181.91	0.25
21.90	0.17	24,601	181.90	0.25
22.00	0.17	24,570	181.90	0.25
22.10	0.16	24,539	181.89	0.25
22.20	0.16	24,508	181.89	0.25
22.30	0.16	24,476	181.89	0.25
22.40	0.16	24,444	181.88	0.25
22.50	0.16	24,411	181.88	0.25
22.60	0.16	24,378	181.88	0.25
22.70	0.16	24,345	181.87	0.25
22.80	0.16	24,311	181.87	0.25
22.90	0.15	24,276	181.86	0.25
23.00	0.15	24,242	181.86	0.25
23.10	0.15	24,207	181.86	0.25
23.20	0.15	24,171	181.85	0.25
23.30	0.15	24,135	181.85	0.25
23.40	0.15	24,099	181.84	0.25
23.50	0.15	24,062	181.84	0.25
23.60	0.14	24,025	181.83	0.25
23.70	0.14	23,988	181.83	0.25
23.80	0.14	23,950	181.83	0.25
23.90	0.14	23,912	181.82	0.25
24.00	0.17	23,880	181.82	0.25
24.10	0.00	23,815	181.81	0.25
24.20	0.00	23,726	181.80	0.25
24.30	0.00	23,637	181.79	0.25
24.40	0.00	23,549	181.78	0.25
24.50	0.00	23,461	181.77	0.24
24.60	0.00	23,373	181.76	0.24
24.70	0.00	23,285	181.75	0.24
24.80	0.00	23,197	181.74	0.24
24.90	0.00	23,110	181.73	0.24
25.00	0.00	23,023	181.72	0.24
25.10	0.00	22,936	181.71	0.24
25.20	0.00	22,849	181.70	0.24
25.30	0.00	22,762	181.69	0.24
25.40	0.00	22,676	181.68	0.24
25.50	0.00	22,590	181.66	0.24
25.60	0.00	22,504	181.65	0.24
25.70	0.00	22,418	181.64	0.24
25.80	0.00	22,333	181.63	0.24
25.90	0.00	22,247	181.62	0.24

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	22,162	181.61	0.24
26.10	0.00	22,077	181.60	0.24
26.20	0.00	21,993	181.59	0.24
26.30	0.00	21,908	181.58	0.23
26.40	0.00	21,824	181.57	0.23
26.50	0.00	21,740	181.56	0.23
26.60	0.00	21,656	181.55	0.23
26.70	0.00	21,572	181.54	0.23
26.80	0.00	21,489	181.53	0.23
26.90	0.00	21,405	181.53	0.23
27.00	0.00	21,322	181.52	0.23
27.10	0.00	21,240	181.51	0.23
27.20	0.00	21,157	181.50	0.23
27.30	0.00	21,074	181.49	0.23
27.40	0.00	20,992	181.48	0.23
27.50	0.00	20,910	181.47	0.23
27.60	0.00	20,828	181.46	0.23
27.70	0.00	20,747	181.45	0.23
27.80	0.00	20,665	181.44	0.23
27.90	0.00	20,584	181.43	0.23
28.00	0.00	20,503	181.42	0.22
28.10	0.00	20,422	181.41	0.22
28.20	0.00	20,342	181.40	0.22
28.30	0.00	20,261	181.39	0.22
28.40	0.00	20,181	181.38	0.22
28.50	0.00	20,101	181.37	0.22
28.60	0.00	20,021	181.36	0.22
28.70	0.00	19,942	181.35	0.22
28.80	0.00	19,863	181.34	0.22
28.90	0.00	19,783	181.33	0.22
29.00	0.00	19,704	181.32	0.22
29.10	0.00	19,626	181.32	0.22
29.20	0.00	19,547	181.31	0.22
29.30	0.00	19,469	181.30	0.22
29.40	0.00	19,391	181.29	0.22
29.50	0.00	19,313	181.28	0.22
29.60	0.00	19,235	181.27	0.22
29.70	0.00	19,158	181.26	0.21
29.80	0.00	19,080	181.25	0.21
29.90	0.00	19,003	181.24	0.21
30.00	0.00	18,926	181.23	0.21
30.10	0.00	18,850	181.22	0.21
30.20	0.00	18,773	181.21	0.21
30.30	0.00	18,697	181.21	0.21
30.40	0.00	18,621	181.20	0.21
30.50	0.00	18,545	181.19	0.21
30.60	0.00	18,469	181.18	0.21
30.70	0.00	18,394	181.17	0.21
30.80	0.00	18,319	181.16	0.21
30.90	0.00	18,244	181.15	0.21
31.00	0.00	18,169	181.14	0.21
31.10	0.00	18,094	181.13	0.21

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	18,020	181.13	0.21
31.30	0.00	17,946	181.12	0.21
31.40	0.00	17,872	181.11	0.21
31.50	0.00	17,798	181.10	0.20
31.60	0.00	17,724	181.09	0.20
31.70	0.00	17,651	181.08	0.20
31.80	0.00	17,578	181.07	0.20
31.90	0.00	17,505	181.06	0.20
32.00	0.00	17,432	181.06	0.20
32.10	0.00	17,359	181.05	0.20
32.20	0.00	17,287	181.04	0.20
32.30	0.00	17,215	181.03	0.20
32.40	0.00	17,143	181.02	0.20
32.50	0.00	17,071	181.01	0.20
32.60	0.00	17,000	181.01	0.20
32.70	0.00	16,928	181.00	0.20
32.80	0.00	16,857	180.99	0.20
32.90	0.00	16,786	180.98	0.20
33.00	0.00	16,716	180.97	0.20
33.10	0.00	16,645	180.96	0.20
33.20	0.00	16,575	180.96	0.19
33.30	0.00	16,505	180.95	0.19
33.40	0.00	16,435	180.94	0.19
33.50	0.00	16,365	180.93	0.19
33.60	0.00	16,296	180.92	0.19
33.70	0.00	16,226	180.91	0.19
33.80	0.00	16,157	180.91	0.19
33.90	0.00	16,089	180.90	0.19
34.00	0.00	16,020	180.89	0.19
34.10	0.00	15,951	180.88	0.19
34.20	0.00	15,883	180.87	0.19
34.30	0.00	15,815	180.87	0.19
34.40	0.00	15,747	180.86	0.19
34.50	0.00	15,680	180.85	0.19
34.60	0.00	15,612	180.84	0.19
34.70	0.00	15,545	180.83	0.19
34.80	0.00	15,478	180.83	0.19
34.90	0.00	15,411	180.82	0.19
35.00	0.00	15,345	180.81	0.18
35.10	0.00	15,278	180.80	0.18
35.20	0.00	15,212	180.79	0.18
35.30	0.00	15,146	180.79	0.18
35.40	0.00	15,080	180.78	0.18
35.50	0.00	15,015	180.77	0.18
35.60	0.00	14,950	180.76	0.18
35.70	0.00	14,884	180.76	0.18
35.80	0.00	14,819	180.75	0.18
35.90	0.00	14,755	180.74	0.18
36.00	0.00	14,690	180.73	0.18
36.10	0.00	14,626	180.73	0.18
36.20	0.00	14,562	180.72	0.18
36.30	0.00	14,498	180.71	0.18

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	14,434	180.70	0.18
36.50	0.00	14,371	180.70	0.18
36.60	0.00	14,307	180.69	0.18
36.70	0.00	14,244	180.68	0.17
36.80	0.00	14,181	180.67	0.17
36.90	0.00	14,119	180.67	0.17
37.00	0.00	14,056	180.66	0.17
37.10	0.00	13,994	180.65	0.17
37.20	0.00	13,932	180.64	0.17
37.30	0.00	13,870	180.64	0.17
37.40	0.00	13,808	180.63	0.17
37.50	0.00	13,747	180.62	0.17
37.60	0.00	13,686	180.61	0.17
37.70	0.00	13,625	180.61	0.17
37.80	0.00	13,564	180.60	0.17
37.90	0.00	13,503	180.59	0.17
38.00	0.00	13,443	180.59	0.17
38.10	0.00	13,383	180.58	0.17
38.20	0.00	13,323	180.57	0.17
38.30	0.00	13,263	180.56	0.17
38.40	0.00	13,203	180.56	0.17
38.50	0.00	13,144	180.55	0.16
38.60	0.00	13,085	180.54	0.16
38.70	0.00	13,026	180.54	0.16
38.80	0.00	12,967	180.53	0.16
38.90	0.00	12,909	180.52	0.16
39.00	0.00	12,850	180.52	0.16
39.10	0.00	12,792	180.51	0.16
39.20	0.00	12,734	180.50	0.16
39.30	0.00	12,676	180.50	0.16
39.40	0.00	12,619	180.49	0.16
39.50	0.00	12,562	180.48	0.16
39.60	0.00	12,504	180.48	0.16
39.70	0.00	12,448	180.47	0.16
39.80	0.00	12,391	180.46	0.16
39.90	0.00	12,334	180.46	0.16
40.00	0.00	12,278	180.45	0.16

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 7.01" for Current 100 yr event
Inflow = 20.36 cfs @ 12.08 hrs, Volume= 1.301 af
Outflow = 0.29 cfs @ 18.12 hrs, Volume= 0.634 af, Atten= 99%, Lag= 362.7 min
Primary = 0.29 cfs @ 18.12 hrs, Volume= 0.634 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 183.66' @ 18.12 hrs Surf.Area= 12,248 sf Storage= 44,780 cf

Plug-Flow detention time= 879.9 min calculated for 0.633 af (49% of inflow)
Center-of-Mass det. time= 748.4 min (1,509.5 - 761.1)

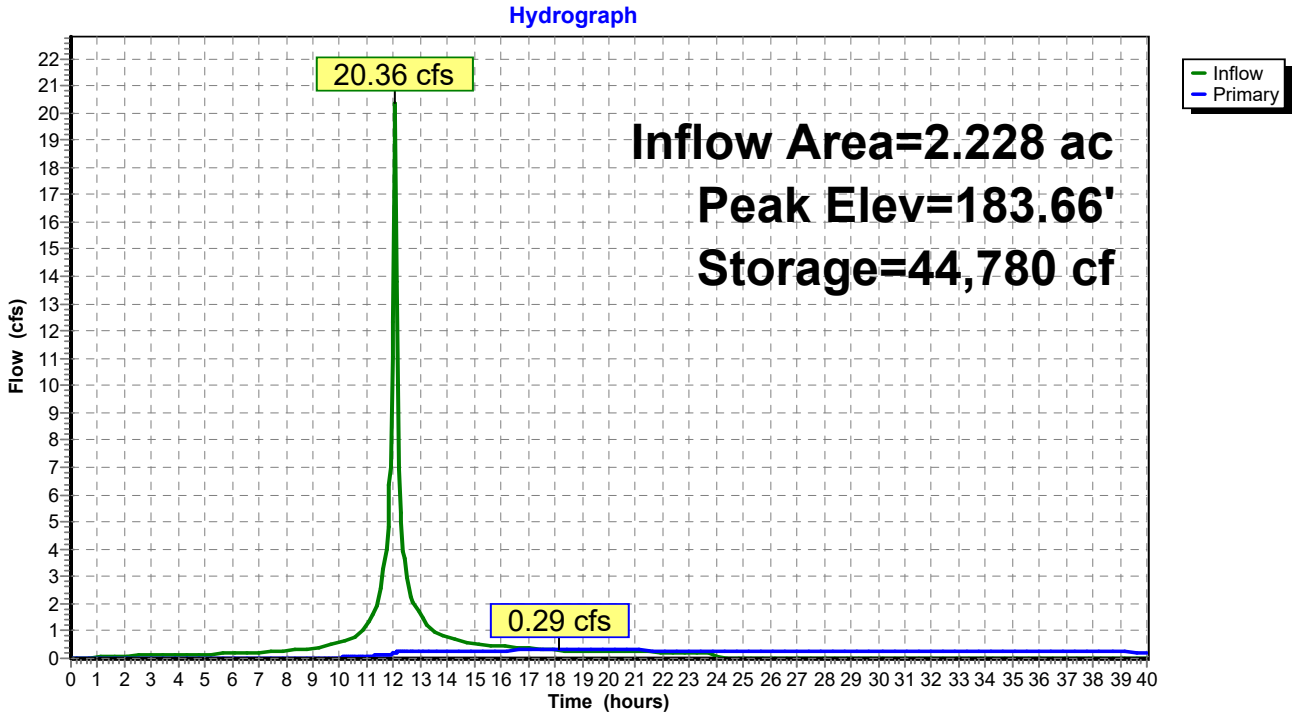
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.29 cfs @ 18.12 hrs HW=183.66' (Free Discharge)
- **1=Culvert** (Passes 0.29 cfs of 14.65 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.29 cfs @ 8.52 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.00	0	180.00	0.00
0.50	0.00	0	180.00	0.00
0.60	0.01	3	180.00	0.00
0.70	0.02	10	180.00	0.00
0.80	0.03	19	180.00	0.00
0.90	0.04	31	180.00	0.00
1.00	0.04	45	180.00	0.00
1.10	0.05	62	180.01	0.00
1.20	0.05	81	180.01	0.00
1.30	0.06	101	180.01	0.00
1.40	0.07	124	180.01	0.00
1.50	0.07	148	180.01	0.00
1.60	0.07	174	180.01	0.00
1.70	0.08	202	180.02	0.00
1.80	0.08	231	180.02	0.00
1.90	0.09	261	180.02	0.00
2.00	0.09	292	180.02	0.00
2.10	0.09	325	180.03	0.00
2.20	0.10	359	180.03	0.00
2.30	0.10	394	180.03	0.00
2.40	0.10	430	180.04	0.00
2.50	0.10	467	180.04	0.00
2.60	0.11	505	180.04	0.00
2.70	0.11	544	180.04	0.00
2.80	0.11	584	180.05	0.00
2.90	0.11	625	180.05	0.00
3.00	0.12	667	180.05	0.00
3.10	0.12	709	180.06	0.00
3.20	0.12	753	180.06	0.00
3.30	0.12	797	180.07	0.00
3.40	0.13	841	180.07	0.00
3.50	0.13	887	180.07	0.00
3.60	0.13	933	180.08	0.00
3.70	0.13	980	180.08	0.00
3.80	0.13	1,028	180.08	0.00
3.90	0.13	1,076	180.09	0.00
4.00	0.14	1,125	180.09	0.00
4.10	0.14	1,175	180.10	0.00
4.20	0.14	1,225	180.10	0.00
4.30	0.14	1,276	180.10	0.00
4.40	0.14	1,328	180.11	0.00
4.50	0.15	1,380	180.11	0.00
4.60	0.15	1,432	180.12	0.00
4.70	0.15	1,486	180.12	0.00
4.80	0.15	1,539	180.13	0.00
4.90	0.15	1,594	180.13	0.00
5.00	0.15	1,649	180.13	0.00
5.10	0.15	1,704	180.14	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.16	1,760	180.14	0.00
5.30	0.16	1,817	180.15	0.00
5.40	0.16	1,874	180.15	0.00
5.50	0.16	1,932	180.16	0.00
5.60	0.16	1,990	180.16	0.00
5.70	0.16	2,049	180.17	0.00
5.80	0.17	2,108	180.17	0.00
5.90	0.17	2,168	180.18	0.00
6.00	0.17	2,228	180.18	0.00
6.10	0.17	2,290	180.19	0.00
6.20	0.18	2,353	180.19	0.00
6.30	0.18	2,418	180.20	0.00
6.40	0.19	2,485	180.20	0.00
6.50	0.19	2,553	180.21	0.00
6.60	0.20	2,624	180.21	0.00
6.70	0.21	2,698	180.22	0.00
6.80	0.21	2,773	180.23	0.00
6.90	0.22	2,850	180.23	0.00
7.00	0.22	2,930	180.24	0.00
7.10	0.23	3,012	180.25	0.00
7.20	0.24	3,096	180.25	0.00
7.30	0.24	3,182	180.26	0.00
7.40	0.25	3,270	180.27	0.00
7.50	0.26	3,361	180.27	0.00
7.60	0.26	3,455	180.28	0.00
7.70	0.27	3,550	180.29	0.00
7.80	0.27	3,648	180.30	0.00
7.90	0.28	3,748	180.31	0.00
8.00	0.29	3,851	180.31	0.00
8.10	0.29	3,956	180.32	0.00
8.20	0.30	4,064	180.33	0.00
8.30	0.31	4,174	180.34	0.00
8.40	0.32	4,286	180.35	0.00
8.50	0.32	4,402	180.36	0.00
8.60	0.33	4,519	180.37	0.00
8.70	0.34	4,640	180.38	0.00
8.80	0.34	4,762	180.39	0.00
8.90	0.35	4,887	180.40	0.00
9.00	0.36	5,016	180.41	0.00
9.10	0.38	5,150	180.42	0.00
9.20	0.40	5,292	180.43	0.00
9.30	0.43	5,441	180.44	0.00
9.40	0.45	5,598	180.46	0.00
9.50	0.47	5,762	180.47	0.01
9.60	0.49	5,935	180.48	0.01
9.70	0.52	6,114	180.50	0.01
9.80	0.54	6,300	180.51	0.02
9.90	0.57	6,493	180.53	0.02
10.00	0.59	6,693	180.55	0.03
10.10	0.61	6,900	180.56	0.03
10.20	0.64	7,114	180.58	0.04
10.30	0.66	7,335	180.60	0.04

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.69	7,562	180.62	0.05
10.50	0.72	7,798	180.64	0.05
10.60	0.81	8,057	180.66	0.06
10.70	0.89	8,345	180.68	0.06
10.80	0.99	8,664	180.71	0.07
10.90	1.08	9,014	180.74	0.08
11.00	1.18	9,395	180.77	0.08
11.10	1.35	9,828	180.80	0.09
11.20	1.52	10,320	180.84	0.09
11.30	1.70	10,874	180.89	0.10
11.40	1.87	11,489	180.94	0.11
11.50	2.10	12,165	180.99	0.11
11.60	3.17	13,138	181.07	0.12
11.70	3.46	14,288	181.17	0.13
11.80	4.83	15,797	181.29	0.14
11.90	6.99	17,951	181.47	0.16
12.00	12.31	21,612	181.76	0.18
12.10	**19.10**	27,776	182.27	0.22
12.20	6.93	31,570	182.58	0.24
12.30	5.02	33,519	182.74	0.24
12.40	3.74	34,919	182.85	0.25
12.50	3.48	36,123	182.95	0.26
12.60	2.30	36,991	183.02	0.26
12.70	2.15	37,691	183.08	0.26
12.80	1.97	38,327	183.13	0.26
12.90	1.78	38,895	183.18	0.27
13.00	1.59	39,393	183.22	0.27
13.10	1.41	39,824	183.25	0.27
13.20	1.30	40,207	183.28	0.27
13.30	1.20	40,554	183.31	0.27
13.40	1.10	40,864	183.34	0.28
13.50	1.00	41,137	183.36	0.28
13.60	0.90	41,373	183.38	0.28
13.70	0.87	41,592	183.40	0.28
13.80	0.85	41,800	183.41	0.28
13.90	0.82	41,999	183.43	0.28
14.00	0.80	42,188	183.44	0.28
14.10	0.77	42,367	183.46	0.28
14.20	0.74	42,537	183.47	0.28
14.30	0.72	42,696	183.49	0.28
14.40	0.69	42,846	183.50	0.28
14.50	0.66	42,986	183.51	0.28
14.60	0.64	43,116	183.52	0.28
14.70	0.61	43,236	183.53	0.28
14.80	0.58	43,347	183.54	0.28
14.90	0.56	43,448	183.55	0.29
15.00	0.53	43,539	183.55	0.29
15.10	0.50	43,620	183.56	0.29
15.20	0.50	43,697	183.57	0.29
15.30	0.49	43,771	183.57	0.29
15.40	0.48	43,842	183.58	0.29
15.50	0.47	43,911	183.59	0.29

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.47	43,977	183.59	0.29
15.70	0.46	44,040	183.60	0.29
15.80	0.45	44,101	183.60	0.29
15.90	0.45	44,159	183.61	0.29
16.00	0.44	44,215	183.61	0.29
16.10	0.43	44,268	183.61	0.29
16.20	0.43	44,319	183.62	0.29
16.30	0.42	44,366	183.62	0.29
16.40	0.41	44,411	183.63	0.29
16.50	0.40	44,454	183.63	0.29
16.60	0.40	44,493	183.63	0.29
16.70	0.39	44,531	183.64	0.29
16.80	0.38	44,565	183.64	0.29
16.90	0.38	44,597	183.64	0.29
17.00	0.37	44,627	183.64	0.29
17.10	0.36	44,654	183.65	0.29
17.20	0.36	44,678	183.65	0.29
17.30	0.35	44,700	183.65	0.29
17.40	0.34	44,719	183.65	0.29
17.50	0.33	44,735	183.65	0.29
17.60	0.33	44,749	183.65	0.29
17.70	0.32	44,761	183.65	0.29
17.80	0.31	44,769	183.66	0.29
17.90	0.31	44,776	183.66	0.29
18.00	0.30	44,779	183.66	0.29
18.10	0.29	**44,780**	**183.66**	**0.29**
18.20	0.29	44,780	183.66	0.29
18.30	0.29	44,779	183.66	0.29
18.40	0.29	44,778	183.66	0.29
18.50	0.28	44,775	183.66	0.29
18.60	0.28	44,773	183.66	0.29
18.70	0.28	44,769	183.66	0.29
18.80	0.28	44,765	183.65	0.29
18.90	0.28	44,761	183.65	0.29
19.00	0.28	44,755	183.65	0.29
19.10	0.27	44,749	183.65	0.29
19.20	0.27	44,743	183.65	0.29
19.30	0.27	44,736	183.65	0.29
19.40	0.27	44,728	183.65	0.29
19.50	0.27	44,719	183.65	0.29
19.60	0.26	44,710	183.65	0.29
19.70	0.26	44,701	183.65	0.29
19.80	0.26	44,691	183.65	0.29
19.90	0.26	44,680	183.65	0.29
20.00	0.26	44,668	183.65	0.29
20.10	0.26	44,656	183.65	0.29
20.20	0.25	44,643	183.64	0.29
20.30	0.25	44,630	183.64	0.29
20.40	0.25	44,616	183.64	0.29
20.50	0.25	44,601	183.64	0.29
20.60	0.25	44,586	183.64	0.29
20.70	0.24	44,570	183.64	0.29

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.24	44,554	183.64	0.29
20.90	0.24	44,537	183.64	0.29
21.00	0.24	44,519	183.63	0.29
21.10	0.24	44,500	183.63	0.29
21.20	0.24	44,481	183.63	0.29
21.30	0.24	44,462	183.63	0.29
21.40	0.23	44,442	183.63	0.29
21.50	0.23	44,421	183.63	0.29
21.60	0.23	44,400	183.63	0.29
21.70	0.23	44,377	183.62	0.29
21.80	0.23	44,355	183.62	0.29
21.90	0.22	44,332	183.62	0.29
22.00	0.22	44,308	183.62	0.29
22.10	0.22	44,283	183.62	0.29
22.20	0.22	44,258	183.61	0.29
22.30	0.22	44,233	183.61	0.29
22.40	0.21	44,206	183.61	0.29
22.50	0.21	44,179	183.61	0.29
22.60	0.21	44,152	183.60	0.29
22.70	0.21	44,124	183.60	0.29
22.80	0.21	44,095	183.60	0.29
22.90	0.21	44,066	183.60	0.29
23.00	0.21	44,036	183.60	0.29
23.10	0.20	44,005	183.59	0.29
23.20	0.20	43,974	183.59	0.29
23.30	0.20	43,942	183.59	0.29
23.40	0.20	43,910	183.59	0.29
23.50	0.19	43,877	183.58	0.29
23.60	0.19	43,843	183.58	0.29
23.70	0.19	43,809	183.58	0.29
23.80	0.19	43,775	183.57	0.29
23.90	0.19	43,739	183.57	0.29
24.00	0.22	43,714	183.57	0.29
24.10	0.00	43,635	183.56	0.29
24.20	0.00	43,532	183.55	0.29
24.30	0.00	43,429	183.55	0.29
24.40	0.00	43,326	183.54	0.28
24.50	0.00	43,224	183.53	0.28
24.60	0.00	43,122	183.52	0.28
24.70	0.00	43,019	183.51	0.28
24.80	0.00	42,917	183.50	0.28
24.90	0.00	42,815	183.50	0.28
25.00	0.00	42,714	183.49	0.28
25.10	0.00	42,612	183.48	0.28
25.20	0.00	42,510	183.47	0.28
25.30	0.00	42,409	183.46	0.28
25.40	0.00	42,308	183.45	0.28
25.50	0.00	42,207	183.45	0.28
25.60	0.00	42,106	183.44	0.28
25.70	0.00	42,005	183.43	0.28
25.80	0.00	41,904	183.42	0.28
25.90	0.00	41,804	183.41	0.28

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	41,704	183.40	0.28
26.10	0.00	41,603	183.40	0.28
26.20	0.00	41,503	183.39	0.28
26.30	0.00	41,403	183.38	0.28
26.40	0.00	41,304	183.37	0.28
26.50	0.00	41,204	183.36	0.28
26.60	0.00	41,104	183.36	0.28
26.70	0.00	41,005	183.35	0.28
26.80	0.00	40,906	183.34	0.28
26.90	0.00	40,807	183.33	0.28
27.00	0.00	40,708	183.32	0.27
27.10	0.00	40,609	183.32	0.27
27.20	0.00	40,510	183.31	0.27
27.30	0.00	40,412	183.30	0.27
27.40	0.00	40,314	183.29	0.27
27.50	0.00	40,215	183.28	0.27
27.60	0.00	40,117	183.28	0.27
27.70	0.00	40,019	183.27	0.27
27.80	0.00	39,921	183.26	0.27
27.90	0.00	39,824	183.25	0.27
28.00	0.00	39,726	183.24	0.27
28.10	0.00	39,629	183.24	0.27
28.20	0.00	39,532	183.23	0.27
28.30	0.00	39,435	183.22	0.27
28.40	0.00	39,338	183.21	0.27
28.50	0.00	39,241	183.20	0.27
28.60	0.00	39,144	183.20	0.27
28.70	0.00	39,048	183.19	0.27
28.80	0.00	38,951	183.18	0.27
28.90	0.00	38,855	183.17	0.27
29.00	0.00	38,759	183.16	0.27
29.10	0.00	38,663	183.16	0.27
29.20	0.00	38,567	183.15	0.27
29.30	0.00	38,472	183.14	0.27
29.40	0.00	38,376	183.13	0.27
29.50	0.00	38,281	183.13	0.26
29.60	0.00	38,186	183.12	0.26
29.70	0.00	38,090	183.11	0.26
29.80	0.00	37,996	183.10	0.26
29.90	0.00	37,901	183.09	0.26
30.00	0.00	37,806	183.09	0.26
30.10	0.00	37,712	183.08	0.26
30.20	0.00	37,617	183.07	0.26
30.30	0.00	37,523	183.06	0.26
30.40	0.00	37,429	183.06	0.26
30.50	0.00	37,335	183.05	0.26
30.60	0.00	37,241	183.04	0.26
30.70	0.00	37,147	183.03	0.26
30.80	0.00	37,054	183.03	0.26
30.90	0.00	36,961	183.02	0.26
31.00	0.00	36,867	183.01	0.26
31.10	0.00	36,774	183.00	0.26

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	36,681	182.99	0.26
31.30	0.00	36,588	182.99	0.26
31.40	0.00	36,496	182.98	0.26
31.50	0.00	36,403	182.97	0.26
31.60	0.00	36,311	182.96	0.26
31.70	0.00	36,219	182.96	0.26
31.80	0.00	36,127	182.95	0.26
31.90	0.00	36,035	182.94	0.26
32.00	0.00	35,943	182.93	0.25
32.10	0.00	35,851	182.93	0.25
32.20	0.00	35,760	182.92	0.25
32.30	0.00	35,668	182.91	0.25
32.40	0.00	35,577	182.90	0.25
32.50	0.00	35,486	182.90	0.25
32.60	0.00	35,395	182.89	0.25
32.70	0.00	35,304	182.88	0.25
32.80	0.00	35,213	182.88	0.25
32.90	0.00	35,123	182.87	0.25
33.00	0.00	35,033	182.86	0.25
33.10	0.00	34,942	182.85	0.25
33.20	0.00	34,852	182.85	0.25
33.30	0.00	34,762	182.84	0.25
33.40	0.00	34,672	182.83	0.25
33.50	0.00	34,583	182.82	0.25
33.60	0.00	34,493	182.82	0.25
33.70	0.00	34,404	182.81	0.25
33.80	0.00	34,315	182.80	0.25
33.90	0.00	34,226	182.79	0.25
34.00	0.00	34,137	182.79	0.25
34.10	0.00	34,048	182.78	0.25
34.20	0.00	33,959	182.77	0.25
34.30	0.00	33,871	182.77	0.25
34.40	0.00	33,782	182.76	0.25
34.50	0.00	33,694	182.75	0.24
34.60	0.00	33,606	182.74	0.24
34.70	0.00	33,518	182.74	0.24
34.80	0.00	33,430	182.73	0.24
34.90	0.00	33,342	182.72	0.24
35.00	0.00	33,255	182.72	0.24
35.10	0.00	33,167	182.71	0.24
35.20	0.00	33,080	182.70	0.24
35.30	0.00	32,993	182.69	0.24
35.40	0.00	32,906	182.69	0.24
35.50	0.00	32,819	182.68	0.24
35.60	0.00	32,733	182.67	0.24
35.70	0.00	32,646	182.67	0.24
35.80	0.00	32,560	182.66	0.24
35.90	0.00	32,473	182.65	0.24
36.00	0.00	32,387	182.64	0.24
36.10	0.00	32,301	182.64	0.24
36.20	0.00	32,216	182.63	0.24
36.30	0.00	32,130	182.62	0.24

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	32,044	182.62	0.24
36.50	0.00	31,959	182.61	0.24
36.60	0.00	31,874	182.60	0.24
36.70	0.00	31,789	182.60	0.24
36.80	0.00	31,704	182.59	0.24
36.90	0.00	31,619	182.58	0.24
37.00	0.00	31,534	182.57	0.24
37.10	0.00	31,450	182.57	0.23
37.20	0.00	31,365	182.56	0.23
37.30	0.00	31,281	182.55	0.23
37.40	0.00	31,197	182.55	0.23
37.50	0.00	31,113	182.54	0.23
37.60	0.00	31,029	182.53	0.23
37.70	0.00	30,945	182.53	0.23
37.80	0.00	30,862	182.52	0.23
37.90	0.00	30,778	182.51	0.23
38.00	0.00	30,695	182.51	0.23
38.10	0.00	30,612	182.50	0.23
38.20	0.00	30,529	182.49	0.23
38.30	0.00	30,446	182.49	0.23
38.40	0.00	30,364	182.48	0.23
38.50	0.00	30,281	182.47	0.23
38.60	0.00	30,199	182.47	0.23
38.70	0.00	30,116	182.46	0.23
38.80	0.00	30,034	182.45	0.23
38.90	0.00	29,952	182.45	0.23
39.00	0.00	29,870	182.44	0.23
39.10	0.00	29,789	182.43	0.23
39.20	0.00	29,707	182.43	0.23
39.30	0.00	29,626	182.42	0.23
39.40	0.00	29,545	182.41	0.23
39.50	0.00	29,463	182.41	0.23
39.60	0.00	29,382	182.40	0.22
39.70	0.00	29,302	182.39	0.22
39.80	0.00	29,221	182.39	0.22
39.90	0.00	29,140	182.38	0.22
40.00	0.00	29,060	182.37	0.22

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 6.61" for Current 100 yr event
Inflow = 20.92 cfs @ 12.09 hrs, Volume= 1.336 af
Outflow = 15.30 cfs @ 12.14 hrs, Volume= 1.209 af, Atten= 27%, Lag= 3.1 min
Primary = 15.30 cfs @ 12.14 hrs, Volume= 1.209 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.14' @ 12.14 hrs Surf.Area= 5,928 sf Storage= 18,628 cf

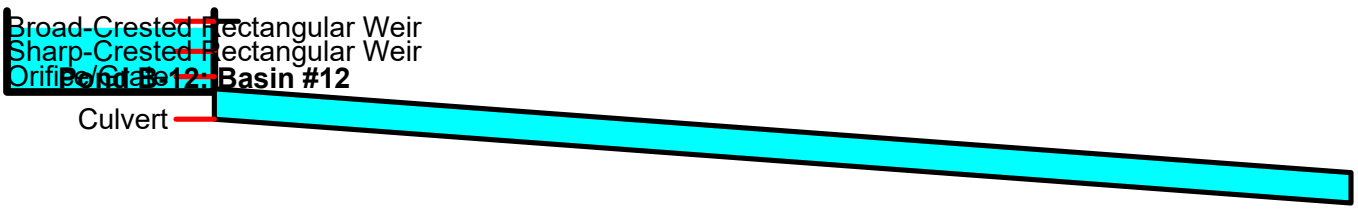
Plug-Flow detention time= 237.7 min calculated for 1.208 af (90% of inflow)
Center-of-Mass det. time= 189.1 min (961.0 - 771.9)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

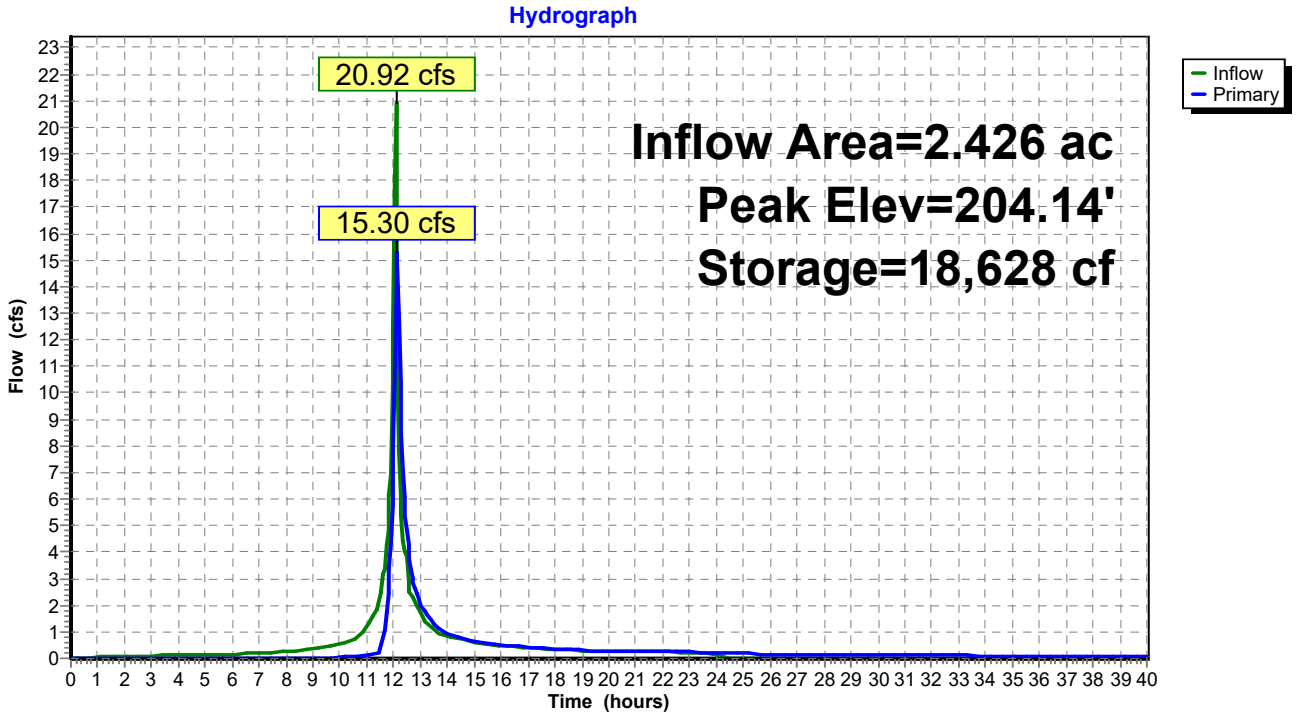
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=15.01 cfs @ 12.14 hrs HW=204.13' (Free Discharge)
- **1=Culvert** (Passes 15.01 cfs of 15.65 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.25 cfs @ 7.26 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 14.76 cfs @ 3.47 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.00	0	201.00	0.00
0.50	0.00	0	201.00	0.00
0.60	0.01	2	201.00	0.00
0.70	0.02	7	201.00	0.00
0.80	0.02	14	201.00	0.00
0.90	0.03	23	201.00	0.00
1.00	0.03	35	201.01	0.00
1.10	0.04	48	201.01	0.00
1.20	0.04	63	201.01	0.00
1.30	0.05	80	201.01	0.00
1.40	0.05	99	201.02	0.00
1.50	0.06	119	201.02	0.00
1.60	0.06	140	201.02	0.00
1.70	0.06	163	201.03	0.00
1.80	0.07	186	201.03	0.00
1.90	0.07	211	201.04	0.00
2.00	0.07	237	201.04	0.00
2.10	0.08	264	201.04	0.00
2.20	0.08	292	201.05	0.00
2.30	0.08	321	201.05	0.00
2.40	0.08	351	201.06	0.00
2.50	0.09	382	201.06	0.00
2.60	0.09	413	201.07	0.00
2.70	0.09	446	201.08	0.00
2.80	0.09	479	201.08	0.00
2.90	0.09	513	201.09	0.00
3.00	0.10	547	201.09	0.00
3.10	0.10	582	201.10	0.00
3.20	0.10	618	201.10	0.00
3.30	0.10	655	201.11	0.00
3.40	0.10	692	201.12	0.00
3.50	0.11	730	201.12	0.00
3.60	0.11	768	201.13	0.00
3.70	0.11	807	201.14	0.00
3.80	0.11	847	201.14	0.00
3.90	0.11	887	201.15	0.00
4.00	0.11	928	201.16	0.00
4.10	0.12	969	201.16	0.00
4.20	0.12	1,010	201.17	0.00
4.30	0.12	1,053	201.18	0.00
4.40	0.12	1,096	201.18	0.00
4.50	0.12	1,139	201.19	0.00
4.60	0.12	1,183	201.20	0.00
4.70	0.12	1,227	201.21	0.00
4.80	0.12	1,272	201.21	0.00
4.90	0.13	1,317	201.22	0.00
5.00	0.13	1,363	201.23	0.00
5.10	0.13	1,409	201.24	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.13	1,455	201.25	0.00
5.30	0.13	1,502	201.25	0.00
5.40	0.13	1,550	201.26	0.00
5.50	0.13	1,598	201.27	0.00
5.60	0.13	1,646	201.28	0.00
5.70	0.14	1,695	201.29	0.00
5.80	0.14	1,744	201.29	0.00
5.90	0.14	1,794	201.30	0.00
6.00	0.14	1,844	201.31	0.00
6.10	0.14	1,895	201.32	0.00
6.20	0.15	1,947	201.33	0.00
6.30	0.15	2,001	201.34	0.00
6.40	0.16	2,056	201.35	0.00
6.50	0.16	2,114	201.36	0.00
6.60	0.17	2,174	201.37	0.00
6.70	0.17	2,235	201.38	0.00
6.80	0.18	2,299	201.39	0.00
6.90	0.19	2,364	201.40	0.00
7.00	0.19	2,433	201.41	0.00
7.10	0.20	2,503	201.42	0.00
7.20	0.20	2,575	201.43	0.00
7.30	0.21	2,650	201.45	0.00
7.40	0.22	2,727	201.46	0.00
7.50	0.22	2,806	201.47	0.00
7.60	0.23	2,888	201.49	0.00
7.70	0.24	2,972	201.50	0.00
7.80	0.24	3,058	201.52	0.00
7.90	0.25	3,147	201.53	0.00
8.00	0.26	3,238	201.55	0.00
8.10	0.26	3,332	201.56	0.00
8.20	0.27	3,429	201.58	0.00
8.30	0.28	3,528	201.60	0.00
8.40	0.29	3,629	201.61	0.00
8.50	0.29	3,734	201.63	0.00
8.60	0.30	3,840	201.65	0.00
8.70	0.31	3,950	201.67	0.00
8.80	0.32	4,062	201.69	0.00
8.90	0.32	4,177	201.70	0.00
9.00	0.33	4,295	201.72	0.00
9.10	0.35	4,418	201.75	0.00
9.20	0.37	4,549	201.77	0.00
9.30	0.40	4,687	201.79	0.00
9.40	0.42	4,831	201.82	0.01
9.50	0.44	4,982	201.84	0.01
9.60	0.46	5,138	201.87	0.02
9.70	0.49	5,300	201.89	0.03
9.80	0.51	5,466	201.92	0.04
9.90	0.54	5,638	201.95	0.05
10.00	0.56	5,816	201.98	0.06
10.10	0.59	6,001	202.01	0.07
10.20	0.61	6,192	202.04	0.07
10.30	0.64	6,391	202.08	0.08

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.66	6,597	202.11	0.08
10.50	0.69	6,811	202.15	0.09
10.60	0.78	7,044	202.19	0.09
10.70	0.87	7,307	202.23	0.10
10.80	0.96	7,601	202.28	0.11
10.90	1.05	7,925	202.34	0.11
11.00	1.15	8,281	202.40	0.12
11.10	1.32	8,685	202.46	0.13
11.20	1.50	9,148	202.54	0.14
11.30	1.68	9,674	202.63	0.14
11.40	1.87	10,264	202.73	0.15
11.50	2.05	10,914	202.84	0.16
11.60	3.17	11,823	202.99	0.18
11.70	3.46	12,821	203.16	1.04
11.80	4.82	13,720	203.31	2.47
11.90	6.92	14,659	203.47	4.36
12.00	12.29	16,096	203.72	7.86
12.10	**20.49**	**18,348**	**204.10**	**14.42**
12.20	7.80	**17,843**	**204.01**	**12.85**
12.30	5.44	16,345	203.76	8.52
12.40	4.01	15,396	203.60	6.07
12.50	3.76	14,854	203.51	4.80
12.60	2.49	14,388	203.43	3.78
12.70	2.31	14,025	203.37	3.05
12.80	2.11	13,799	203.33	2.61
12.90	1.91	13,630	203.30	2.31
13.00	1.71	13,489	203.28	2.06
13.10	1.51	13,358	203.25	1.84
13.20	1.40	13,247	203.23	1.66
13.30	1.29	13,154	203.22	1.52
13.40	1.18	13,071	203.20	1.39
13.50	1.07	12,993	203.19	1.28
13.60	0.97	12,915	203.18	1.17
13.70	0.94	12,851	203.17	1.08
13.80	0.91	12,804	203.16	1.02
13.90	0.88	12,768	203.15	0.97
14.00	0.85	12,736	203.15	0.93
14.10	0.82	12,707	203.14	0.90
14.20	0.80	12,681	203.14	0.86
14.30	0.77	12,655	203.13	0.83
14.40	0.74	12,631	203.13	0.80
14.50	0.71	12,607	203.13	0.77
14.60	0.68	12,583	203.12	0.74
14.70	0.65	12,560	203.12	0.72
14.80	0.63	12,536	203.11	0.69
14.90	0.60	12,510	203.11	0.67
15.00	0.57	12,484	203.11	0.64
15.10	0.54	12,458	203.10	0.61
15.20	0.53	12,435	203.10	0.59
15.30	0.52	12,417	203.09	0.57
15.40	0.52	12,403	203.09	0.55
15.50	0.51	12,391	203.09	0.54

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.50	12,380	203.09	0.53
15.70	0.49	12,371	203.09	0.52
15.80	0.49	12,362	203.09	0.51
15.90	0.48	12,354	203.08	0.50
16.00	0.47	12,346	203.08	0.49
16.10	0.47	12,338	203.08	0.48
16.20	0.46	12,331	203.08	0.48
16.30	0.45	12,323	203.08	0.47
16.40	0.44	12,315	203.08	0.46
16.50	0.43	12,306	203.08	0.46
16.60	0.43	12,298	203.07	0.45
16.70	0.42	12,289	203.07	0.44
16.80	0.41	12,280	203.07	0.44
16.90	0.40	12,271	203.07	0.43
17.00	0.40	12,262	203.07	0.42
17.10	0.39	12,253	203.07	0.41
17.20	0.38	12,244	203.07	0.41
17.30	0.37	12,234	203.06	0.40
17.40	0.37	12,225	203.06	0.39
17.50	0.36	12,216	203.06	0.38
17.60	0.35	12,206	203.06	0.38
17.70	0.34	12,197	203.06	0.37
17.80	0.34	12,188	203.06	0.36
17.90	0.33	12,178	203.05	0.35
18.00	0.32	12,169	203.05	0.35
18.10	0.31	12,160	203.05	0.34
18.20	0.31	12,151	203.05	0.33
18.30	0.31	12,145	203.05	0.33
18.40	0.31	12,139	203.05	0.32
18.50	0.30	12,134	203.05	0.32
18.60	0.30	12,130	203.05	0.31
18.70	0.30	12,126	203.05	0.31
18.80	0.30	12,123	203.05	0.31
18.90	0.30	12,120	203.04	0.31
19.00	0.30	12,117	203.04	0.30
19.10	0.29	12,114	203.04	0.30
19.20	0.29	12,112	203.04	0.30
19.30	0.29	12,109	203.04	0.30
19.40	0.29	12,107	203.04	0.29
19.50	0.29	12,104	203.04	0.29
19.60	0.28	12,102	203.04	0.29
19.70	0.28	12,099	203.04	0.29
19.80	0.28	12,097	203.04	0.29
19.90	0.28	12,095	203.04	0.28
20.00	0.28	12,093	203.04	0.28
20.10	0.27	12,090	203.04	0.28
20.20	0.27	12,087	203.04	0.28
20.30	0.27	12,084	203.04	0.28
20.40	0.27	12,081	203.04	0.28
20.50	0.27	12,077	203.04	0.28
20.60	0.27	12,074	203.04	0.27
20.70	0.26	12,071	203.04	0.27

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.26	12,067	203.04	0.27
20.90	0.26	12,063	203.03	0.27
21.00	0.26	12,059	203.03	0.27
21.10	0.26	12,055	203.03	0.27
21.20	0.25	12,051	203.03	0.26
21.30	0.25	12,047	203.03	0.26
21.40	0.25	12,044	203.03	0.26
21.50	0.25	12,039	203.03	0.26
21.60	0.25	12,035	203.03	0.26
21.70	0.24	12,031	203.03	0.26
21.80	0.24	12,027	203.03	0.25
21.90	0.24	12,023	203.03	0.25
22.00	0.24	12,019	203.03	0.25
22.10	0.24	12,015	203.03	0.25
22.20	0.24	12,011	203.03	0.25
22.30	0.23	12,007	203.03	0.24
22.40	0.23	12,002	203.02	0.24
22.50	0.23	11,998	203.02	0.24
22.60	0.23	11,994	203.02	0.24
22.70	0.22	11,990	203.02	0.24
22.80	0.22	11,985	203.02	0.23
22.90	0.22	11,981	203.02	0.23
23.00	0.22	11,977	203.02	0.23
23.10	0.22	11,973	203.02	0.23
23.20	0.21	11,969	203.02	0.23
23.30	0.21	11,964	203.02	0.22
23.40	0.21	11,960	203.02	0.22
23.50	0.21	11,956	203.02	0.22
23.60	0.21	11,952	203.02	0.22
23.70	0.21	11,948	203.02	0.22
23.80	0.20	11,943	203.01	0.22
23.90	0.20	11,939	203.01	0.21
24.00	0.24	11,944	203.01	0.22
24.10	0.01	11,905	203.01	0.20
24.20	0.00	11,839	203.00	0.18
24.30	0.00	11,776	202.99	0.17
24.40	0.00	11,714	202.98	0.17
24.50	0.00	11,651	202.97	0.17
24.60	0.00	11,589	202.95	0.17
24.70	0.00	11,527	202.94	0.17
24.80	0.00	11,466	202.93	0.17
24.90	0.00	11,404	202.92	0.17
25.00	0.00	11,343	202.91	0.17
25.10	0.00	11,283	202.90	0.17
25.20	0.00	11,222	202.89	0.17
25.30	0.00	11,162	202.88	0.17
25.40	0.00	11,103	202.87	0.17
25.50	0.00	11,043	202.86	0.16
25.60	0.00	10,984	202.85	0.16
25.70	0.00	10,925	202.84	0.16
25.80	0.00	10,866	202.83	0.16
25.90	0.00	10,808	202.82	0.16

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,750	202.81	0.16
26.10	0.00	10,692	202.80	0.16
26.20	0.00	10,635	202.79	0.16
26.30	0.00	10,578	202.78	0.16
26.40	0.00	10,521	202.77	0.16
26.50	0.00	10,464	202.77	0.16
26.60	0.00	10,408	202.76	0.16
26.70	0.00	10,352	202.75	0.16
26.80	0.00	10,296	202.74	0.15
26.90	0.00	10,241	202.73	0.15
27.00	0.00	10,186	202.72	0.15
27.10	0.00	10,131	202.71	0.15
27.20	0.00	10,077	202.70	0.15
27.30	0.00	10,023	202.69	0.15
27.40	0.00	9,969	202.68	0.15
27.50	0.00	9,915	202.67	0.15
27.60	0.00	9,862	202.66	0.15
27.70	0.00	9,809	202.65	0.15
27.80	0.00	9,756	202.65	0.15
27.90	0.00	9,704	202.64	0.15
28.00	0.00	9,651	202.63	0.14
28.10	0.00	9,600	202.62	0.14
28.20	0.00	9,548	202.61	0.14
28.30	0.00	9,497	202.60	0.14
28.40	0.00	9,446	202.59	0.14
28.50	0.00	9,395	202.58	0.14
28.60	0.00	9,345	202.58	0.14
28.70	0.00	9,295	202.57	0.14
28.80	0.00	9,245	202.56	0.14
28.90	0.00	9,196	202.55	0.14
29.00	0.00	9,146	202.54	0.14
29.10	0.00	9,098	202.53	0.14
29.20	0.00	9,049	202.53	0.13
29.30	0.00	9,001	202.52	0.13
29.40	0.00	8,953	202.51	0.13
29.50	0.00	8,905	202.50	0.13
29.60	0.00	8,858	202.49	0.13
29.70	0.00	8,810	202.49	0.13
29.80	0.00	8,764	202.48	0.13
29.90	0.00	8,717	202.47	0.13
30.00	0.00	8,671	202.46	0.13
30.10	0.00	8,625	202.45	0.13
30.20	0.00	8,579	202.45	0.13
30.30	0.00	8,534	202.44	0.13
30.40	0.00	8,489	202.43	0.12
30.50	0.00	8,444	202.42	0.12
30.60	0.00	8,400	202.42	0.12
30.70	0.00	8,355	202.41	0.12
30.80	0.00	8,312	202.40	0.12
30.90	0.00	8,268	202.39	0.12
31.00	0.00	8,225	202.39	0.12
31.10	0.00	8,182	202.38	0.12

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,139	202.37	0.12
31.30	0.00	8,097	202.37	0.12
31.40	0.00	8,054	202.36	0.12
31.50	0.00	8,013	202.35	0.12
31.60	0.00	7,971	202.34	0.11
31.70	0.00	7,930	202.34	0.11
31.80	0.00	7,889	202.33	0.11
31.90	0.00	7,848	202.32	0.11
32.00	0.00	7,808	202.32	0.11
32.10	0.00	7,768	202.31	0.11
32.20	0.00	7,728	202.30	0.11
32.30	0.00	7,689	202.30	0.11
32.40	0.00	7,649	202.29	0.11
32.50	0.00	7,611	202.28	0.11
32.60	0.00	7,572	202.28	0.11
32.70	0.00	7,534	202.27	0.11
32.80	0.00	7,496	202.26	0.11
32.90	0.00	7,458	202.26	0.10
33.00	0.00	7,421	202.25	0.10
33.10	0.00	7,384	202.25	0.10
33.20	0.00	7,347	202.24	0.10
33.30	0.00	7,310	202.23	0.10
33.40	0.00	7,274	202.23	0.10
33.50	0.00	7,238	202.22	0.10
33.60	0.00	7,202	202.21	0.10
33.70	0.00	7,167	202.21	0.10
33.80	0.00	7,132	202.20	0.10
33.90	0.00	7,097	202.20	0.10
34.00	0.00	7,063	202.19	0.10
34.10	0.00	7,029	202.19	0.09
34.20	0.00	6,995	202.18	0.09
34.30	0.00	6,961	202.17	0.09
34.40	0.00	6,928	202.17	0.09
34.50	0.00	6,895	202.16	0.09
34.60	0.00	6,862	202.16	0.09
34.70	0.00	6,830	202.15	0.09
34.80	0.00	6,798	202.15	0.09
34.90	0.00	6,766	202.14	0.09
35.00	0.00	6,735	202.14	0.09
35.10	0.00	6,703	202.13	0.09
35.20	0.00	6,672	202.13	0.09
35.30	0.00	6,642	202.12	0.08
35.40	0.00	6,611	202.12	0.08
35.50	0.00	6,581	202.11	0.08
35.60	0.00	6,552	202.11	0.08
35.70	0.00	6,522	202.10	0.08
35.80	0.00	6,493	202.10	0.08
35.90	0.00	6,464	202.09	0.08
36.00	0.00	6,436	202.09	0.08
36.10	0.00	6,407	202.08	0.08
36.20	0.00	6,379	202.08	0.08
36.30	0.00	6,352	202.07	0.08

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,324	202.07	0.08
36.50	0.00	6,297	202.06	0.07
36.60	0.00	6,271	202.06	0.07
36.70	0.00	6,244	202.05	0.07
36.80	0.00	6,218	202.05	0.07
36.90	0.00	6,192	202.04	0.07
37.00	0.00	6,166	202.04	0.07
37.10	0.00	6,141	202.04	0.07
37.20	0.00	6,116	202.03	0.07
37.30	0.00	6,091	202.03	0.07
37.40	0.00	6,067	202.02	0.07
37.50	0.00	6,043	202.02	0.07
37.60	0.00	6,019	202.02	0.07
37.70	0.00	5,995	202.01	0.06
37.80	0.00	5,972	202.01	0.06
37.90	0.00	5,949	202.00	0.06
38.00	0.00	5,926	202.00	0.06
38.10	0.00	5,904	202.00	0.06
38.20	0.00	5,882	201.99	0.06
38.30	0.00	5,860	201.99	0.06
38.40	0.00	5,839	201.98	0.06
38.50	0.00	5,818	201.98	0.06
38.60	0.00	5,797	201.98	0.06
38.70	0.00	5,776	201.97	0.06
38.80	0.00	5,756	201.97	0.06
38.90	0.00	5,736	201.97	0.06
39.00	0.00	5,716	201.96	0.05
39.10	0.00	5,697	201.96	0.05
39.20	0.00	5,678	201.96	0.05
39.30	0.00	5,659	201.95	0.05
39.40	0.00	5,640	201.95	0.05
39.50	0.00	5,622	201.95	0.05
39.60	0.00	5,604	201.95	0.05
39.70	0.00	5,587	201.94	0.05
39.80	0.00	5,569	201.94	0.05
39.90	0.00	5,553	201.94	0.05
40.00	0.00	5,536	201.93	0.05

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0	201.52	5,928	3,083
201.01	5,928	59	201.53	5,928	3,142
201.02	5,928	119	201.54	5,928	3,201
201.03	5,928	178	201.55	5,928	3,260
201.04	5,928	237	201.56	5,928	3,320
201.05	5,928	296	201.57	5,928	3,379
201.06	5,928	356	201.58	5,928	3,438
201.07	5,928	415	201.59	5,928	3,498
201.08	5,928	474	201.60	5,928	3,557
201.09	5,928	534	201.61	5,928	3,616
201.10	5,928	593	201.62	5,928	3,675
201.11	5,928	652	201.63	5,928	3,735
201.12	5,928	711	201.64	5,928	3,794
201.13	5,928	771	201.65	5,928	3,853
201.14	5,928	830	201.66	5,928	3,912
201.15	5,928	889	201.67	5,928	3,972
201.16	5,928	948	201.68	5,928	4,031
201.17	5,928	1,008	201.69	5,928	4,090
201.18	5,928	1,067	201.70	5,928	4,150
201.19	5,928	1,126	201.71	5,928	4,209
201.20	5,928	1,186	201.72	5,928	4,268
201.21	5,928	1,245	201.73	5,928	4,327
201.22	5,928	1,304	201.74	5,928	4,387
201.23	5,928	1,363	201.75	5,928	4,446
201.24	5,928	1,423	201.76	5,928	4,505
201.25	5,928	1,482	201.77	5,928	4,565
201.26	5,928	1,541	201.78	5,928	4,624
201.27	5,928	1,601	201.79	5,928	4,683
201.28	5,928	1,660	201.80	5,928	4,742
201.29	5,928	1,719	201.81	5,928	4,802
201.30	5,928	1,778	201.82	5,928	4,861
201.31	5,928	1,838	201.83	5,928	4,920
201.32	5,928	1,897	201.84	5,928	4,980
201.33	5,928	1,956	201.85	5,928	5,039
201.34	5,928	2,016	201.86	5,928	5,098
201.35	5,928	2,075	201.87	5,928	5,157
201.36	5,928	2,134	201.88	5,928	5,217
201.37	5,928	2,193	201.89	5,928	5,276
201.38	5,928	2,253	201.90	5,928	5,335
201.39	5,928	2,312	201.91	5,928	5,394
201.40	5,928	2,371	201.92	5,928	5,454
201.41	5,928	2,430	201.93	5,928	5,513
201.42	5,928	2,490	201.94	5,928	5,572
201.43	5,928	2,549	201.95	5,928	5,632
201.44	5,928	2,608	201.96	5,928	5,691
201.45	5,928	2,668	201.97	5,928	5,750
201.46	5,928	2,727	201.98	5,928	5,809
201.47	5,928	2,786	201.99	5,928	5,869
201.48	5,928	2,845	202.00	5,928	5,928
201.49	5,928	2,905	202.01	5,928	5,987
201.50	5,928	2,964	202.02	5,928	6,047
201.51	5,928	3,023	202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 7.12" for Current 100 yr event
Inflow = 18.11 cfs @ 12.12 hrs, Volume= 1.394 af
Outflow = 5.07 cfs @ 12.38 hrs, Volume= 1.012 af, Atten= 72%, Lag= 16.0 min
Primary = 5.07 cfs @ 12.38 hrs, Volume= 1.012 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.02' @ 12.38 hrs Surf.Area= 10,996 sf Storage= 33,235 cf

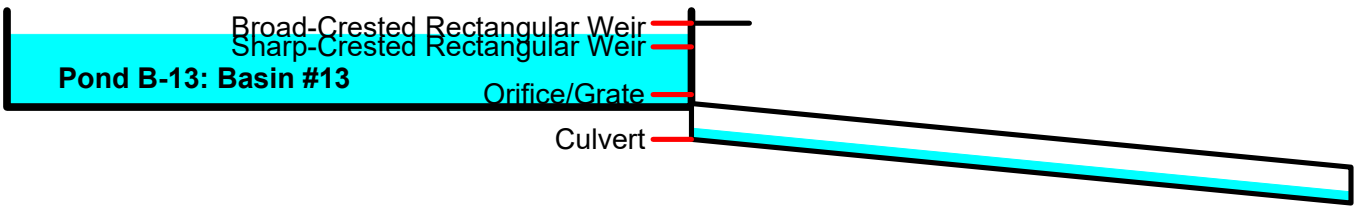
Plug-Flow detention time= 477.5 min calculated for 1.012 af (73% of inflow)
Center-of-Mass det. time= 382.6 min (1,144.9 - 762.3)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

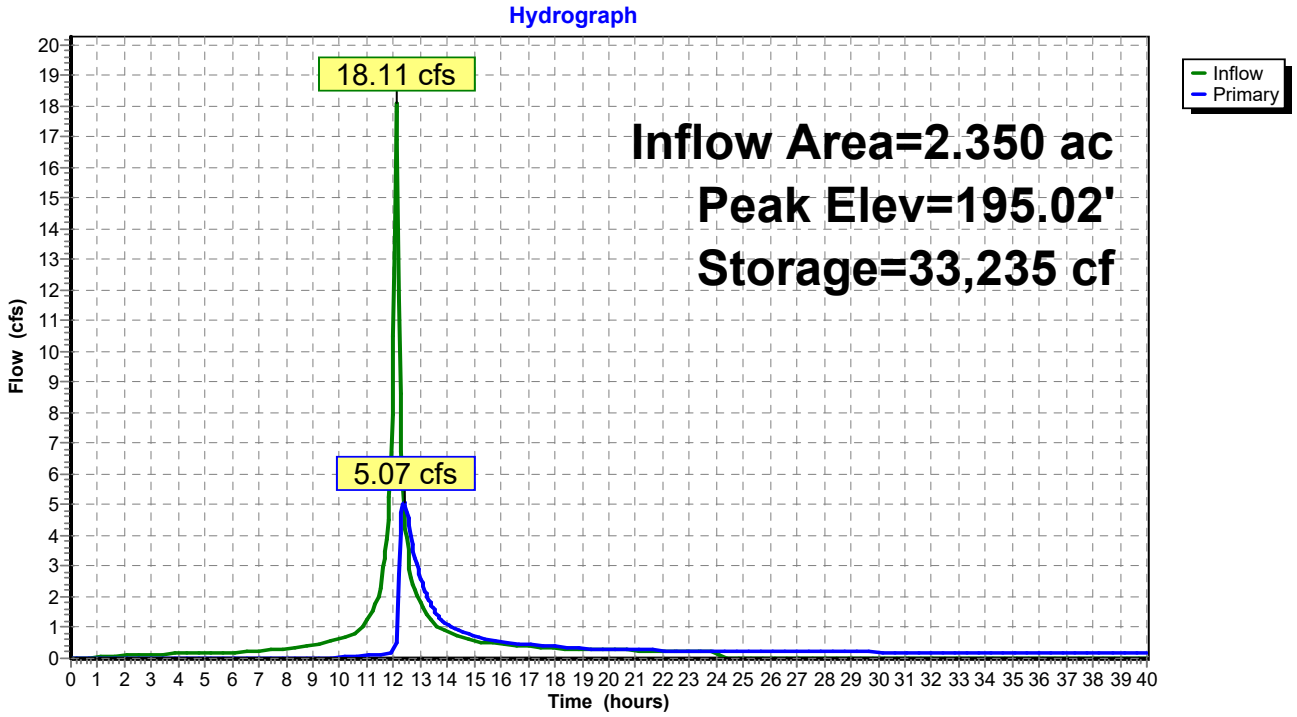
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.05 cfs @ 12.38 hrs HW=195.02' (Free Discharge)
- **1=Culvert** (Passes 5.05 cfs of 16.19 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.25 cfs @ 7.45 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.79 cfs @ 2.36 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.01	2	192.00	0.00
0.70	0.02	7	192.00	0.00
0.80	0.03	16	192.00	0.00
0.90	0.04	28	192.00	0.00
1.00	0.05	43	192.00	0.00
1.10	0.05	61	192.01	0.00
1.20	0.06	81	192.01	0.00
1.30	0.07	103	192.01	0.00
1.40	0.07	128	192.01	0.00
1.50	0.08	154	192.01	0.00
1.60	0.08	183	192.02	0.00
1.70	0.09	213	192.02	0.00
1.80	0.09	245	192.02	0.00
1.90	0.10	278	192.03	0.00
2.00	0.10	313	192.03	0.00
2.10	0.10	349	192.03	0.00
2.20	0.11	387	192.04	0.00
2.30	0.11	426	192.04	0.00
2.40	0.11	466	192.04	0.00
2.50	0.12	507	192.05	0.00
2.60	0.12	549	192.05	0.00
2.70	0.12	593	192.05	0.00
2.80	0.13	637	192.06	0.00
2.90	0.13	683	192.06	0.00
3.00	0.13	729	192.07	0.00
3.10	0.13	776	192.07	0.00
3.20	0.14	825	192.08	0.00
3.30	0.14	874	192.08	0.00
3.40	0.14	924	192.08	0.00
3.50	0.14	975	192.09	0.00
3.60	0.14	1,027	192.09	0.00
3.70	0.15	1,079	192.10	0.00
3.80	0.15	1,132	192.10	0.00
3.90	0.15	1,186	192.11	0.00
4.00	0.15	1,241	192.11	0.00
4.10	0.16	1,297	192.12	0.00
4.20	0.16	1,353	192.12	0.00
4.30	0.16	1,410	192.13	0.00
4.40	0.16	1,468	192.13	0.00
4.50	0.16	1,526	192.14	0.00
4.60	0.16	1,585	192.14	0.00
4.70	0.17	1,644	192.15	0.00
4.80	0.17	1,705	192.16	0.00
4.90	0.17	1,766	192.16	0.00
5.00	0.17	1,827	192.17	0.00
5.10	0.17	1,889	192.17	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.18	1,952	192.18	0.00
5.30	0.18	2,016	192.18	0.00
5.40	0.18	2,080	192.19	0.00
5.50	0.18	2,144	192.19	0.00
5.60	0.18	2,209	192.20	0.00
5.70	0.18	2,275	192.21	0.00
5.80	0.19	2,342	192.21	0.00
5.90	0.19	2,408	192.22	0.00
6.00	0.19	2,476	192.23	0.00
6.10	0.19	2,545	192.23	0.00
6.20	0.20	2,615	192.24	0.00
6.30	0.20	2,687	192.24	0.00
6.40	0.21	2,761	192.25	0.00
6.50	0.21	2,837	192.26	0.00
6.60	0.22	2,916	192.27	0.00
6.70	0.23	2,996	192.27	0.00
6.80	0.23	3,079	192.28	0.00
6.90	0.24	3,164	192.29	0.00
7.00	0.25	3,252	192.30	0.00
7.10	0.25	3,342	192.30	0.00
7.20	0.26	3,434	192.31	0.00
7.30	0.27	3,529	192.32	0.00
7.40	0.27	3,626	192.33	0.00
7.50	0.28	3,726	192.34	0.00
7.60	0.29	3,828	192.35	0.00
7.70	0.29	3,933	192.36	0.00
7.80	0.30	4,040	192.37	0.00
7.90	0.31	4,150	192.38	0.00
8.00	0.32	4,262	192.39	0.00
8.10	0.32	4,377	192.40	0.00
8.20	0.33	4,494	192.41	0.00
8.30	0.34	4,614	192.42	0.00
8.40	0.34	4,737	192.43	0.00
8.50	0.35	4,862	192.44	0.00
8.60	0.36	4,990	192.45	0.00
8.70	0.37	5,121	192.47	0.00
8.80	0.37	5,255	192.48	0.00
8.90	0.38	5,391	192.49	0.00
9.00	0.39	5,530	192.50	0.00
9.10	0.41	5,673	192.52	0.00
9.20	0.43	5,825	192.53	0.00
9.30	0.46	5,984	192.54	0.00
9.40	0.48	6,151	192.56	0.00
9.50	0.50	6,327	192.58	0.01
9.60	0.53	6,509	192.59	0.01
9.70	0.55	6,700	192.61	0.01
9.80	0.58	6,897	192.63	0.02
9.90	0.61	7,102	192.65	0.03
10.00	0.63	7,314	192.67	0.03
10.10	0.66	7,532	192.68	0.04
10.20	0.68	7,757	192.71	0.05
10.30	0.71	7,990	192.73	0.05

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.74	8,230	192.75	0.06
10.50	0.76	8,478	192.77	0.06
10.60	0.84	8,742	192.80	0.07
10.70	0.93	9,034	192.82	0.07
10.80	1.03	9,358	192.85	0.08
10.90	1.12	9,715	192.88	0.08
11.00	1.22	10,105	192.92	0.09
11.10	1.38	10,538	192.96	0.09
11.20	1.56	11,029	193.00	0.10
11.30	1.74	11,585	193.05	0.11
11.40	1.93	12,205	193.11	0.11
11.50	2.10	12,888	193.17	0.12
11.60	2.99	13,736	193.25	0.13
11.70	3.47	14,859	193.35	0.14
11.80	4.53	16,223	193.48	0.15
11.90	6.31	18,093	193.65	0.17
12.00	10.52	20,978	193.91	0.19
12.10	**17.85**	25,906	194.36	0.22
12.20	11.65	31,180	194.84	2.75
12.30	6.72	32,981	195.00	4.75
12.40	4.68	**33,228**	**195.02**	**5.06**
12.50	3.95	32,990	195.00	4.76
12.60	2.94	32,612	194.97	4.31
12.70	2.42	32,115	194.92	3.74
12.80	2.19	31,685	194.88	3.27
12.90	1.98	31,328	194.85	2.90
13.00	1.78	31,021	194.82	2.59
13.10	1.58	30,745	194.80	2.32
13.20	1.44	30,496	194.77	2.09
13.30	1.33	30,279	194.75	1.89
13.40	1.22	30,088	194.74	1.73
13.50	1.11	29,914	194.72	1.58
13.60	1.00	29,751	194.71	1.45
13.70	0.95	29,602	194.69	1.33
13.80	0.91	29,476	194.68	1.23
13.90	0.89	29,371	194.67	1.16
14.00	0.86	29,281	194.66	1.09
14.10	0.83	29,202	194.66	1.04
14.20	0.80	29,132	194.65	0.99
14.30	0.77	29,069	194.64	0.94
14.40	0.74	29,010	194.64	0.90
14.50	0.72	28,955	194.63	0.87
14.60	0.69	28,902	194.63	0.83
14.70	0.66	28,850	194.62	0.80
14.80	0.63	28,799	194.62	0.77
14.90	0.60	28,750	194.61	0.74
15.00	0.57	28,700	194.61	0.71
15.10	0.55	28,652	194.61	0.68
15.20	0.53	28,606	194.60	0.65
15.30	0.52	28,565	194.60	0.63
15.40	0.52	28,528	194.59	0.61
15.50	0.51	28,496	194.59	0.59

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.50	28,466	194.59	0.58
15.70	0.49	28,438	194.59	0.57
15.80	0.48	28,413	194.58	0.55
15.90	0.48	28,389	194.58	0.54
16.00	0.47	28,367	194.58	0.53
16.10	0.46	28,346	194.58	0.52
16.20	0.46	28,327	194.58	0.51
16.30	0.45	28,308	194.57	0.50
16.40	0.44	28,289	194.57	0.49
16.50	0.43	28,271	194.57	0.48
16.60	0.43	28,254	194.57	0.47
16.70	0.42	28,237	194.57	0.46
16.80	0.41	28,221	194.57	0.46
16.90	0.40	28,204	194.56	0.45
17.00	0.40	28,188	194.56	0.44
17.10	0.39	28,172	194.56	0.43
17.20	0.38	28,157	194.56	0.42
17.30	0.37	28,141	194.56	0.42
17.40	0.36	28,124	194.56	0.41
17.50	0.36	28,107	194.56	0.40
17.60	0.35	28,090	194.55	0.40
17.70	0.34	28,072	194.55	0.39
17.80	0.33	28,054	194.55	0.39
17.90	0.33	28,035	194.55	0.38
18.00	0.32	28,017	194.55	0.37
18.10	0.31	27,997	194.55	0.37
18.20	0.31	27,978	194.54	0.36
18.30	0.31	27,961	194.54	0.35
18.40	0.30	27,945	194.54	0.35
18.50	0.30	27,930	194.54	0.34
18.60	0.30	27,916	194.54	0.34
18.70	0.30	27,903	194.54	0.33
18.80	0.30	27,891	194.54	0.33
18.90	0.29	27,880	194.54	0.32
19.00	0.29	27,870	194.53	0.32
19.10	0.29	27,860	194.53	0.32
19.20	0.29	27,851	194.53	0.31
19.30	0.29	27,843	194.53	0.31
19.40	0.28	27,834	194.53	0.31
19.50	0.28	27,826	194.53	0.30
19.60	0.28	27,819	194.53	0.30
19.70	0.28	27,811	194.53	0.30
19.80	0.28	27,804	194.53	0.30
19.90	0.28	27,798	194.53	0.29
20.00	0.27	27,791	194.53	0.29
20.10	0.27	27,785	194.53	0.29
20.20	0.27	27,778	194.53	0.29
20.30	0.27	27,772	194.53	0.29
20.40	0.27	27,766	194.53	0.28
20.50	0.26	27,760	194.52	0.28
20.60	0.26	27,754	194.52	0.28
20.70	0.26	27,748	194.52	0.28

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.26	27,742	194.52	0.27
20.90	0.26	27,737	194.52	0.27
21.00	0.25	27,731	194.52	0.27
21.10	0.25	27,725	194.52	0.27
21.20	0.25	27,720	194.52	0.27
21.30	0.25	27,714	194.52	0.26
21.40	0.25	27,709	194.52	0.26
21.50	0.25	27,703	194.52	0.26
21.60	0.24	27,697	194.52	0.26
21.70	0.24	27,690	194.52	0.26
21.80	0.24	27,684	194.52	0.26
21.90	0.24	27,677	194.52	0.26
22.00	0.24	27,670	194.52	0.26
22.10	0.23	27,662	194.52	0.25
22.20	0.23	27,655	194.51	0.25
22.30	0.23	27,647	194.51	0.25
22.40	0.23	27,639	194.51	0.25
22.50	0.23	27,631	194.51	0.25
22.60	0.23	27,623	194.51	0.25
22.70	0.22	27,614	194.51	0.25
22.80	0.22	27,606	194.51	0.24
22.90	0.22	27,597	194.51	0.24
23.00	0.22	27,588	194.51	0.24
23.10	0.22	27,579	194.51	0.24
23.20	0.21	27,570	194.51	0.24
23.30	0.21	27,560	194.51	0.24
23.40	0.21	27,551	194.51	0.24
23.50	0.21	27,542	194.50	0.23
23.60	0.20	27,532	194.50	0.23
23.70	0.20	27,523	194.50	0.23
23.80	0.20	27,513	194.50	0.23
23.90	0.20	27,503	194.50	0.23
24.00	0.23	27,498	194.50	0.23
24.10	0.08	27,478	194.50	0.22
24.20	0.01	27,412	194.49	0.22
24.30	0.00	27,334	194.49	0.22
24.40	0.00	27,254	194.48	0.22
24.50	0.00	27,174	194.47	0.22
24.60	0.00	27,093	194.46	0.22
24.70	0.00	27,013	194.46	0.22
24.80	0.00	26,933	194.45	0.22
24.90	0.00	26,854	194.44	0.22
25.00	0.00	26,774	194.43	0.22
25.10	0.00	26,695	194.43	0.22
25.20	0.00	26,615	194.42	0.22
25.30	0.00	26,536	194.41	0.22
25.40	0.00	26,457	194.41	0.22
25.50	0.00	26,378	194.40	0.22
25.60	0.00	26,300	194.39	0.22
25.70	0.00	26,221	194.38	0.22
25.80	0.00	26,143	194.38	0.22
25.90	0.00	26,065	194.37	0.22

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	25,987	194.36	0.22
26.10	0.00	25,909	194.36	0.22
26.20	0.00	25,831	194.35	0.22
26.30	0.00	25,754	194.34	0.22
26.40	0.00	25,676	194.34	0.21
26.50	0.00	25,599	194.33	0.21
26.60	0.00	25,522	194.32	0.21
26.70	0.00	25,445	194.31	0.21
26.80	0.00	25,369	194.31	0.21
26.90	0.00	25,292	194.30	0.21
27.00	0.00	25,216	194.29	0.21
27.10	0.00	25,139	194.29	0.21
27.20	0.00	25,063	194.28	0.21
27.30	0.00	24,987	194.27	0.21
27.40	0.00	24,911	194.27	0.21
27.50	0.00	24,836	194.26	0.21
27.60	0.00	24,760	194.25	0.21
27.70	0.00	24,685	194.24	0.21
27.80	0.00	24,610	194.24	0.21
27.90	0.00	24,535	194.23	0.21
28.00	0.00	24,460	194.22	0.21
28.10	0.00	24,385	194.22	0.21
28.20	0.00	24,311	194.21	0.21
28.30	0.00	24,237	194.20	0.21
28.40	0.00	24,162	194.20	0.21
28.50	0.00	24,088	194.19	0.21
28.60	0.00	24,014	194.18	0.20
28.70	0.00	23,941	194.18	0.20
28.80	0.00	23,867	194.17	0.20
28.90	0.00	23,794	194.16	0.20
29.00	0.00	23,721	194.16	0.20
29.10	0.00	23,647	194.15	0.20
29.20	0.00	23,575	194.14	0.20
29.30	0.00	23,502	194.14	0.20
29.40	0.00	23,429	194.13	0.20
29.50	0.00	23,357	194.12	0.20
29.60	0.00	23,284	194.12	0.20
29.70	0.00	23,212	194.11	0.20
29.80	0.00	23,140	194.10	0.20
29.90	0.00	23,069	194.10	0.20
30.00	0.00	22,997	194.09	0.20
30.10	0.00	22,925	194.08	0.20
30.20	0.00	22,854	194.08	0.20
30.30	0.00	22,783	194.07	0.20
30.40	0.00	22,712	194.07	0.20
30.50	0.00	22,641	194.06	0.20
30.60	0.00	22,570	194.05	0.20
30.70	0.00	22,500	194.05	0.20
30.80	0.00	22,429	194.04	0.20
30.90	0.00	22,359	194.03	0.19
31.00	0.00	22,289	194.03	0.19
31.10	0.00	22,219	194.02	0.19

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	22,149	194.01	0.19
31.30	0.00	22,080	194.01	0.19
31.40	0.00	22,010	194.00	0.19
31.50	0.00	21,941	194.00	0.19
31.60	0.00	21,872	193.99	0.19
31.70	0.00	21,803	193.98	0.19
31.80	0.00	21,734	193.98	0.19
31.90	0.00	21,666	193.97	0.19
32.00	0.00	21,597	193.96	0.19
32.10	0.00	21,529	193.96	0.19
32.20	0.00	21,461	193.95	0.19
32.30	0.00	21,393	193.95	0.19
32.40	0.00	21,325	193.94	0.19
32.50	0.00	21,257	193.93	0.19
32.60	0.00	21,190	193.93	0.19
32.70	0.00	21,122	193.92	0.19
32.80	0.00	21,055	193.91	0.19
32.90	0.00	20,988	193.91	0.19
33.00	0.00	20,921	193.90	0.19
33.10	0.00	20,854	193.90	0.19
33.20	0.00	20,788	193.89	0.18
33.30	0.00	20,721	193.88	0.18
33.40	0.00	20,655	193.88	0.18
33.50	0.00	20,589	193.87	0.18
33.60	0.00	20,523	193.87	0.18
33.70	0.00	20,457	193.86	0.18
33.80	0.00	20,392	193.85	0.18
33.90	0.00	20,326	193.85	0.18
34.00	0.00	20,261	193.84	0.18
34.10	0.00	20,196	193.84	0.18
34.20	0.00	20,131	193.83	0.18
34.30	0.00	20,066	193.82	0.18
34.40	0.00	20,001	193.82	0.18
34.50	0.00	19,937	193.81	0.18
34.60	0.00	19,873	193.81	0.18
34.70	0.00	19,808	193.80	0.18
34.80	0.00	19,744	193.80	0.18
34.90	0.00	19,680	193.79	0.18
35.00	0.00	19,617	193.78	0.18
35.10	0.00	19,553	193.78	0.18
35.20	0.00	19,490	193.77	0.18
35.30	0.00	19,427	193.77	0.18
35.40	0.00	19,363	193.76	0.18
35.50	0.00	19,301	193.76	0.17
35.60	0.00	19,238	193.75	0.17
35.70	0.00	19,175	193.74	0.17
35.80	0.00	19,113	193.74	0.17
35.90	0.00	19,050	193.73	0.17
36.00	0.00	18,988	193.73	0.17
36.10	0.00	18,926	193.72	0.17
36.20	0.00	18,865	193.72	0.17
36.30	0.00	18,803	193.71	0.17

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	18,741	193.70	0.17
36.50	0.00	18,680	193.70	0.17
36.60	0.00	18,619	193.69	0.17
36.70	0.00	18,558	193.69	0.17
36.80	0.00	18,497	193.68	0.17
36.90	0.00	18,436	193.68	0.17
37.00	0.00	18,376	193.67	0.17
37.10	0.00	18,315	193.67	0.17
37.20	0.00	18,255	193.66	0.17
37.30	0.00	18,195	193.65	0.17
37.40	0.00	18,135	193.65	0.17
37.50	0.00	18,076	193.64	0.17
37.60	0.00	18,016	193.64	0.17
37.70	0.00	17,956	193.63	0.16
37.80	0.00	17,897	193.63	0.16
37.90	0.00	17,838	193.62	0.16
38.00	0.00	17,779	193.62	0.16
38.10	0.00	17,720	193.61	0.16
38.20	0.00	17,662	193.61	0.16
38.30	0.00	17,603	193.60	0.16
38.40	0.00	17,545	193.60	0.16
38.50	0.00	17,487	193.59	0.16
38.60	0.00	17,429	193.59	0.16
38.70	0.00	17,371	193.58	0.16
38.80	0.00	17,313	193.57	0.16
38.90	0.00	17,256	193.57	0.16
39.00	0.00	17,198	193.56	0.16
39.10	0.00	17,141	193.56	0.16
39.20	0.00	17,084	193.55	0.16
39.30	0.00	17,027	193.55	0.16
39.40	0.00	16,971	193.54	0.16
39.50	0.00	16,914	193.54	0.16
39.60	0.00	16,858	193.53	0.16
39.70	0.00	16,801	193.53	0.16
39.80	0.00	16,745	193.52	0.16
39.90	0.00	16,689	193.52	0.16
40.00	0.00	16,634	193.51	0.15

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0	192.52	10,996	5,718
192.01	10,996	110	192.53	10,996	5,828
192.02	10,996	220	192.54	10,996	5,938
192.03	10,996	330	192.55	10,996	6,048
192.04	10,996	440	192.56	10,996	6,158
192.05	10,996	550	192.57	10,996	6,268
192.06	10,996	660	192.58	10,996	6,378
192.07	10,996	770	192.59	10,996	6,488
192.08	10,996	880	192.60	10,996	6,598
192.09	10,996	990	192.61	10,996	6,708
192.10	10,996	1,100	192.62	10,996	6,818
192.11	10,996	1,210	192.63	10,996	6,927
192.12	10,996	1,320	192.64	10,996	7,037
192.13	10,996	1,429	192.65	10,996	7,147
192.14	10,996	1,539	192.66	10,996	7,257
192.15	10,996	1,649	192.67	10,996	7,367
192.16	10,996	1,759	192.68	10,996	7,477
192.17	10,996	1,869	192.69	10,996	7,587
192.18	10,996	1,979	192.70	10,996	7,697
192.19	10,996	2,089	192.71	10,996	7,807
192.20	10,996	2,199	192.72	10,996	7,917
192.21	10,996	2,309	192.73	10,996	8,027
192.22	10,996	2,419	192.74	10,996	8,137
192.23	10,996	2,529	192.75	10,996	8,247
192.24	10,996	2,639	192.76	10,996	8,357
192.25	10,996	2,749	192.77	10,996	8,467
192.26	10,996	2,859	192.78	10,996	8,577
192.27	10,996	2,969	192.79	10,996	8,687
192.28	10,996	3,079	192.80	10,996	8,797
192.29	10,996	3,189	192.81	10,996	8,907
192.30	10,996	3,299	192.82	10,996	9,017
192.31	10,996	3,409	192.83	10,996	9,127
192.32	10,996	3,519	192.84	10,996	9,237
192.33	10,996	3,629	192.85	10,996	9,347
192.34	10,996	3,739	192.86	10,996	9,457
192.35	10,996	3,849	192.87	10,996	9,567
192.36	10,996	3,959	192.88	10,996	9,676
192.37	10,996	4,069	192.89	10,996	9,786
192.38	10,996	4,178	192.90	10,996	9,896
192.39	10,996	4,288	192.91	10,996	10,006
192.40	10,996	4,398	192.92	10,996	10,116
192.41	10,996	4,508	192.93	10,996	10,226
192.42	10,996	4,618	192.94	10,996	10,336
192.43	10,996	4,728	192.95	10,996	10,446
192.44	10,996	4,838	192.96	10,996	10,556
192.45	10,996	4,948	192.97	10,996	10,666
192.46	10,996	5,058	192.98	10,996	10,776
192.47	10,996	5,168	192.99	10,996	10,886
192.48	10,996	5,278	193.00	10,996	10,996
192.49	10,996	5,388	193.01	10,996	11,106
192.50	10,996	5,498	193.02	10,996	11,216
192.51	10,996	5,608	193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872
194.09	10,996	22,982
194.10	10,996	23,092
194.11	10,996	23,202
194.12	10,996	23,312
194.13	10,996	23,421
194.14	10,996	23,531
194.15	10,996	23,641
194.16	10,996	23,751
194.17	10,996	23,861
194.18	10,996	23,971
194.19	10,996	24,081
194.20	10,996	24,191
194.21	10,996	24,301
194.22	10,996	24,411
194.23	10,996	24,521
194.24	10,996	24,631
194.25	10,996	24,741
194.26	10,996	24,851
194.27	10,996	24,961
194.28	10,996	25,071
194.29	10,996	25,181
194.30	10,996	25,291
194.31	10,996	25,401
194.32	10,996	25,511
194.33	10,996	25,621
194.34	10,996	25,731
194.35	10,996	25,841
194.36	10,996	25,951
194.37	10,996	26,061
194.38	10,996	26,170
194.39	10,996	26,280
194.40	10,996	26,390
194.41	10,996	26,500
194.42	10,996	26,610
194.43	10,996	26,720
194.44	10,996	26,830
194.45	10,996	26,940
194.46	10,996	27,050
194.47	10,996	27,160
194.48	10,996	27,270
194.49	10,996	27,380
194.50	10,996	27,490
194.51	10,996	27,600
194.52	10,996	27,710
194.53	10,996	27,820
194.54	10,996	27,930
194.55	10,996	28,040
194.56	10,996	28,150
194.57	10,996	28,260
194.58	10,996	28,370
194.59	10,996	28,480
194.60	10,996	28,590
194.61	10,996	28,700
194.62	10,996	28,810
194.63	10,996	28,919
194.64	10,996	29,029
194.65	10,996	29,139
194.66	10,996	29,249
194.67	10,996	29,359
194.68	10,996	29,469
194.69	10,996	29,579
194.70	10,996	29,689
194.71	10,996	29,799
194.72	10,996	29,909
194.73	10,996	30,019
194.74	10,996	30,129
194.75	10,996	30,239
194.76	10,996	30,349
194.77	10,996	30,459
194.78	10,996	30,569
194.79	10,996	30,679
194.80	10,996	30,789
194.81	10,996	30,899
194.82	10,996	31,009
194.83	10,996	31,119
194.84	10,996	31,229
194.85	10,996	31,339
194.86	10,996	31,449
194.87	10,996	31,559
194.88	10,996	31,668
194.89	10,996	31,778
194.90	10,996	31,888
194.91	10,996	31,998
194.92	10,996	32,108
194.93	10,996	32,218
194.94	10,996	32,328
194.95	10,996	32,438
194.96	10,996	32,548
194.97	10,996	32,658
194.98	10,996	32,768
194.99	10,996	32,878
195.00	10,996	32,988
195.01	10,996	33,098
195.02	10,996	33,208
195.03	10,996	33,318
195.04	10,996	33,428
195.05	10,996	33,538
195.06	10,996	33,648
195.07	10,996	33,758
195.08	10,996	33,868
195.09	10,996	33,978
195.10	10,996	34,088
195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 6.00" for Current 100 yr event
Inflow = 15.82 cfs @ 12.11 hrs, Volume= 1.074 af
Outflow = 1.99 cfs @ 12.72 hrs, Volume= 0.790 af, Atten= 87%, Lag= 36.6 min
Primary = 1.99 cfs @ 12.72 hrs, Volume= 0.790 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.06' @ 12.72 hrs Surf.Area= 8,960 sf Storage= 27,419 cf

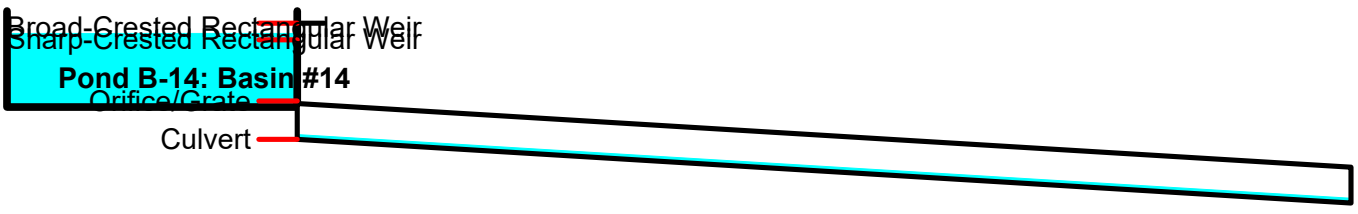
Plug-Flow detention time= 581.2 min calculated for 0.789 af (73% of inflow)
Center-of-Mass det. time= 489.2 min (1,280.4 - 791.2)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

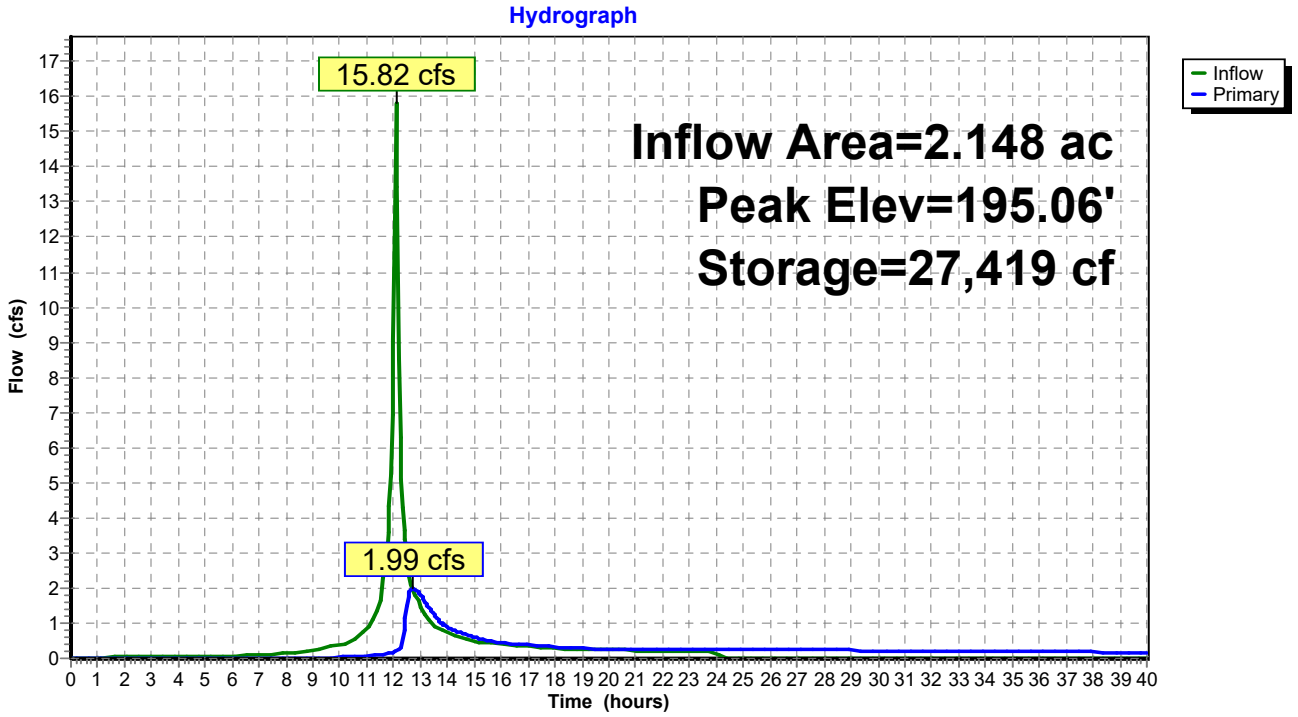
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.98 cfs @ 12.72 hrs HW=195.06' (Free Discharge)
- **1=Culvert** (Passes 1.98 cfs of 14.88 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.27 cfs @ 7.91 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 1.71 cfs @ 1.67 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	1	192.00	0.00
0.70	0.01	3	192.00	0.00
0.80	0.01	7	192.00	0.00
0.90	0.01	11	192.00	0.00
1.00	0.02	17	192.00	0.00
1.10	0.02	23	192.00	0.00
1.20	0.02	30	192.00	0.00
1.30	0.02	38	192.00	0.00
1.40	0.03	47	192.01	0.00
1.50	0.03	56	192.01	0.00
1.60	0.03	66	192.01	0.00
1.70	0.03	77	192.01	0.00
1.80	0.03	88	192.01	0.00
1.90	0.03	100	192.01	0.00
2.00	0.03	112	192.01	0.00
2.10	0.04	124	192.01	0.00
2.20	0.04	138	192.02	0.00
2.30	0.04	151	192.02	0.00
2.40	0.04	165	192.02	0.00
2.50	0.04	180	192.02	0.00
2.60	0.04	194	192.02	0.00
2.70	0.04	209	192.02	0.00
2.80	0.04	225	192.03	0.00
2.90	0.04	241	192.03	0.00
3.00	0.05	257	192.03	0.00
3.10	0.05	273	192.03	0.00
3.20	0.05	290	192.03	0.00
3.30	0.05	307	192.03	0.00
3.40	0.05	325	192.04	0.00
3.50	0.05	343	192.04	0.00
3.60	0.05	361	192.04	0.00
3.70	0.05	379	192.04	0.00
3.80	0.05	397	192.04	0.00
3.90	0.05	416	192.05	0.00
4.00	0.05	435	192.05	0.00
4.10	0.05	454	192.05	0.00
4.20	0.05	474	192.05	0.00
4.30	0.06	494	192.06	0.00
4.40	0.06	514	192.06	0.00
4.50	0.06	534	192.06	0.00
4.60	0.06	555	192.06	0.00
4.70	0.06	575	192.06	0.00
4.80	0.06	596	192.07	0.00
4.90	0.06	617	192.07	0.00
5.00	0.06	639	192.07	0.00
5.10	0.06	660	192.07	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	682	192.08	0.00
5.30	0.06	704	192.08	0.00
5.40	0.06	726	192.08	0.00
5.50	0.06	749	192.08	0.00
5.60	0.06	771	192.09	0.00
5.70	0.06	794	192.09	0.00
5.80	0.06	817	192.09	0.00
5.90	0.06	840	192.09	0.00
6.00	0.07	864	192.10	0.00
6.10	0.07	888	192.10	0.00
6.20	0.07	912	192.10	0.00
6.30	0.07	938	192.10	0.00
6.40	0.07	964	192.11	0.00
6.50	0.08	991	192.11	0.00
6.60	0.08	1,020	192.11	0.00
6.70	0.09	1,050	192.12	0.00
6.80	0.09	1,082	192.12	0.00
6.90	0.09	1,115	192.12	0.00
7.00	0.10	1,150	192.13	0.00
7.10	0.10	1,187	192.13	0.00
7.20	0.11	1,225	192.14	0.00
7.30	0.11	1,265	192.14	0.00
7.40	0.12	1,307	192.15	0.00
7.50	0.12	1,350	192.15	0.00
7.60	0.13	1,396	192.16	0.00
7.70	0.13	1,443	192.16	0.00
7.80	0.14	1,492	192.17	0.00
7.90	0.14	1,543	192.17	0.00
8.00	0.15	1,596	192.18	0.00
8.10	0.16	1,651	192.18	0.00
8.20	0.16	1,708	192.19	0.00
8.30	0.17	1,768	192.20	0.00
8.40	0.17	1,829	192.20	0.00
8.50	0.18	1,892	192.21	0.00
8.60	0.19	1,958	192.22	0.00
8.70	0.19	2,026	192.23	0.00
8.80	0.20	2,096	192.23	0.00
8.90	0.20	2,169	192.24	0.00
9.00	0.21	2,244	192.25	0.00
9.10	0.23	2,322	192.26	0.00
9.20	0.24	2,406	192.27	0.00
9.30	0.26	2,496	192.28	0.00
9.40	0.27	2,591	192.29	0.00
9.50	0.29	2,691	192.30	0.00
9.60	0.31	2,798	192.31	0.01
9.70	0.33	2,910	192.32	0.01
9.80	0.35	3,027	192.34	0.01
9.90	0.37	3,150	192.35	0.02
10.00	0.38	3,279	192.37	0.02
10.10	0.40	3,413	192.38	0.02
10.20	0.43	3,553	192.40	0.03
10.30	0.45	3,699	192.41	0.04

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.47	3,850	192.43	0.04
10.50	0.49	4,007	192.45	0.05
10.60	0.55	4,177	192.47	0.05
10.70	0.62	4,367	192.49	0.06
10.80	0.69	4,581	192.51	0.06
10.90	0.76	4,819	192.54	0.07
11.00	0.84	5,081	192.57	0.07
11.10	0.96	5,378	192.60	0.08
11.20	1.10	5,720	192.64	0.09
11.30	1.25	6,112	192.68	0.09
11.40	1.40	6,555	192.73	0.10
11.50	1.54	7,048	192.79	0.11
11.60	2.31	7,695	192.86	0.12
11.70	2.65	8,551	192.95	0.13
11.80	3.60	9,621	193.07	0.14
11.90	5.18	11,139	193.24	0.15
12.00	9.05	13,605	193.52	0.18
12.10	**15.78**	17,970	194.01	0.21
12.20	8.52	22,490	194.51	0.24
12.30	5.07	24,752	194.76	0.25
12.40	3.65	26,143	194.92	0.79
12.50	3.27	26,960	195.01	1.51
12.60	2.33	27,353	195.05	1.91
12.70	2.01	**27,418**	**195.06**	**1.99**
12.80	1.84	27,398	195.06	1.96
12.90	1.67	27,334	195.05	1.89
13.00	1.50	27,241	195.04	1.79
13.10	1.33	27,125	195.03	1.67
13.20	1.22	27,003	195.01	1.55
13.30	1.13	26,888	195.00	1.43
13.40	1.03	26,779	194.99	1.33
13.50	0.94	26,673	194.98	1.23
13.60	0.85	26,568	194.97	1.14
13.70	0.81	26,472	194.95	1.05
13.80	0.78	26,391	194.95	0.99
13.90	0.76	26,324	194.94	0.93
14.00	0.74	26,266	194.93	0.89
14.10	0.71	26,216	194.93	0.85
14.20	0.69	26,170	194.92	0.81
14.30	0.66	26,129	194.92	0.78
14.40	0.64	26,088	194.91	0.75
14.50	0.62	26,049	194.91	0.72
14.60	0.59	26,011	194.90	0.70
14.70	0.57	25,973	194.90	0.67
14.80	0.54	25,936	194.89	0.65
14.90	0.52	25,899	194.89	0.62
15.00	0.49	25,863	194.89	0.60
15.10	0.47	25,827	194.88	0.57
15.20	0.46	25,793	194.88	0.55
15.30	0.45	25,762	194.88	0.53
15.40	0.45	25,735	194.87	0.52
15.50	0.44	25,711	194.87	0.50

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.43	25,689	194.87	0.49
15.70	0.43	25,668	194.86	0.48
15.80	0.42	25,649	194.86	0.47
15.90	0.41	25,631	194.86	0.46
16.00	0.41	25,615	194.86	0.45
16.10	0.40	25,599	194.86	0.44
16.20	0.40	25,584	194.86	0.44
16.30	0.39	25,569	194.85	0.43
16.40	0.38	25,555	194.85	0.42
16.50	0.37	25,541	194.85	0.41
16.60	0.37	25,528	194.85	0.41
16.70	0.36	25,514	194.85	0.40
16.80	0.36	25,501	194.85	0.39
16.90	0.35	25,488	194.84	0.39
17.00	0.34	25,476	194.84	0.38
17.10	0.34	25,463	194.84	0.37
17.20	0.33	25,451	194.84	0.37
17.30	0.32	25,438	194.84	0.36
17.40	0.32	25,424	194.84	0.36
17.50	0.31	25,410	194.84	0.35
17.60	0.30	25,394	194.83	0.35
17.70	0.30	25,378	194.83	0.34
17.80	0.29	25,362	194.83	0.34
17.90	0.28	25,345	194.83	0.33
18.00	0.28	25,327	194.83	0.33
18.10	0.27	25,309	194.82	0.32
18.20	0.27	25,291	194.82	0.32
18.30	0.27	25,274	194.82	0.31
18.40	0.27	25,259	194.82	0.31
18.50	0.26	25,244	194.82	0.30
18.60	0.26	25,231	194.82	0.30
18.70	0.26	25,218	194.81	0.29
18.80	0.26	25,206	194.81	0.29
18.90	0.26	25,194	194.81	0.29
19.00	0.26	25,183	194.81	0.28
19.10	0.25	25,173	194.81	0.28
19.20	0.25	25,163	194.81	0.28
19.30	0.25	25,154	194.81	0.28
19.40	0.25	25,145	194.81	0.27
19.50	0.25	25,137	194.81	0.27
19.60	0.25	25,128	194.80	0.27
19.70	0.24	25,120	194.80	0.27
19.80	0.24	25,113	194.80	0.26
19.90	0.24	25,106	194.80	0.26
20.00	0.24	25,098	194.80	0.26
20.10	0.24	25,091	194.80	0.26
20.20	0.24	25,084	194.80	0.26
20.30	0.23	25,076	194.80	0.26
20.40	0.23	25,068	194.80	0.26
20.50	0.23	25,059	194.80	0.26
20.60	0.23	25,050	194.80	0.26
20.70	0.23	25,041	194.79	0.26

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.23	25,030	194.79	0.26
20.90	0.22	25,019	194.79	0.26
21.00	0.22	25,008	194.79	0.26
21.10	0.22	24,995	194.79	0.26
21.20	0.22	24,983	194.79	0.26
21.30	0.22	24,970	194.79	0.26
21.40	0.22	24,956	194.79	0.26
21.50	0.21	24,942	194.78	0.26
21.60	0.21	24,927	194.78	0.26
21.70	0.21	24,911	194.78	0.26
21.80	0.21	24,895	194.78	0.26
21.90	0.21	24,879	194.78	0.25
22.00	0.21	24,862	194.77	0.25
22.10	0.20	24,844	194.77	0.25
22.20	0.20	24,826	194.77	0.25
22.30	0.20	24,807	194.77	0.25
22.40	0.20	24,788	194.77	0.25
22.50	0.20	24,768	194.76	0.25
22.60	0.20	24,747	194.76	0.25
22.70	0.19	24,726	194.76	0.25
22.80	0.19	24,705	194.76	0.25
22.90	0.19	24,683	194.75	0.25
23.00	0.19	24,660	194.75	0.25
23.10	0.19	24,637	194.75	0.25
23.20	0.19	24,613	194.75	0.25
23.30	0.18	24,589	194.74	0.25
23.40	0.18	24,564	194.74	0.25
23.50	0.18	24,539	194.74	0.25
23.60	0.18	24,513	194.74	0.25
23.70	0.18	24,486	194.73	0.25
23.80	0.18	24,459	194.73	0.25
23.90	0.17	24,432	194.73	0.25
24.00	0.21	24,409	194.72	0.25
24.10	0.05	24,367	194.72	0.25
24.20	0.00	24,283	194.71	0.25
24.30	0.00	24,192	194.70	0.25
24.40	0.00	24,102	194.69	0.25
24.50	0.00	24,012	194.68	0.25
24.60	0.00	23,922	194.67	0.25
24.70	0.00	23,833	194.66	0.25
24.80	0.00	23,743	194.65	0.25
24.90	0.00	23,654	194.64	0.25
25.00	0.00	23,565	194.63	0.25
25.10	0.00	23,476	194.62	0.25
25.20	0.00	23,388	194.61	0.25
25.30	0.00	23,299	194.60	0.25
25.40	0.00	23,211	194.59	0.24
25.50	0.00	23,123	194.58	0.24
25.60	0.00	23,035	194.57	0.24
25.70	0.00	22,947	194.56	0.24
25.80	0.00	22,860	194.55	0.24
25.90	0.00	22,772	194.54	0.24

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	22,685	194.53	0.24
26.10	0.00	22,598	194.52	0.24
26.20	0.00	22,512	194.51	0.24
26.30	0.00	22,425	194.50	0.24
26.40	0.00	22,339	194.49	0.24
26.50	0.00	22,253	194.48	0.24
26.60	0.00	22,167	194.47	0.24
26.70	0.00	22,081	194.46	0.24
26.80	0.00	21,996	194.45	0.24
26.90	0.00	21,910	194.45	0.24
27.00	0.00	21,825	194.44	0.24
27.10	0.00	21,740	194.43	0.24
27.20	0.00	21,655	194.42	0.24
27.30	0.00	21,571	194.41	0.23
27.40	0.00	21,487	194.40	0.23
27.50	0.00	21,402	194.39	0.23
27.60	0.00	21,318	194.38	0.23
27.70	0.00	21,235	194.37	0.23
27.80	0.00	21,151	194.36	0.23
27.90	0.00	21,068	194.35	0.23
28.00	0.00	20,984	194.34	0.23
28.10	0.00	20,901	194.33	0.23
28.20	0.00	20,819	194.32	0.23
28.30	0.00	20,736	194.31	0.23
28.40	0.00	20,654	194.31	0.23
28.50	0.00	20,571	194.30	0.23
28.60	0.00	20,489	194.29	0.23
28.70	0.00	20,408	194.28	0.23
28.80	0.00	20,326	194.27	0.23
28.90	0.00	20,244	194.26	0.23
29.00	0.00	20,163	194.25	0.23
29.10	0.00	20,082	194.24	0.22
29.20	0.00	20,001	194.23	0.22
29.30	0.00	19,921	194.22	0.22
29.40	0.00	19,840	194.21	0.22
29.50	0.00	19,760	194.21	0.22
29.60	0.00	19,680	194.20	0.22
29.70	0.00	19,600	194.19	0.22
29.80	0.00	19,520	194.18	0.22
29.90	0.00	19,441	194.17	0.22
30.00	0.00	19,361	194.16	0.22
30.10	0.00	19,282	194.15	0.22
30.20	0.00	19,203	194.14	0.22
30.30	0.00	19,125	194.13	0.22
30.40	0.00	19,046	194.13	0.22
30.50	0.00	18,968	194.12	0.22
30.60	0.00	18,890	194.11	0.22
30.70	0.00	18,812	194.10	0.22
30.80	0.00	18,734	194.09	0.22
30.90	0.00	18,657	194.08	0.22
31.00	0.00	18,579	194.07	0.21
31.10	0.00	18,502	194.06	0.21

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	18,425	194.06	0.21
31.30	0.00	18,348	194.05	0.21
31.40	0.00	18,272	194.04	0.21
31.50	0.00	18,195	194.03	0.21
31.60	0.00	18,119	194.02	0.21
31.70	0.00	18,043	194.01	0.21
31.80	0.00	17,967	194.01	0.21
31.90	0.00	17,892	194.00	0.21
32.00	0.00	17,816	193.99	0.21
32.10	0.00	17,741	193.98	0.21
32.20	0.00	17,666	193.97	0.21
32.30	0.00	17,591	193.96	0.21
32.40	0.00	17,517	193.95	0.21
32.50	0.00	17,442	193.95	0.21
32.60	0.00	17,368	193.94	0.21
32.70	0.00	17,294	193.93	0.21
32.80	0.00	17,220	193.92	0.20
32.90	0.00	17,146	193.91	0.20
33.00	0.00	17,073	193.91	0.20
33.10	0.00	17,000	193.90	0.20
33.20	0.00	16,927	193.89	0.20
33.30	0.00	16,854	193.88	0.20
33.40	0.00	16,781	193.87	0.20
33.50	0.00	16,709	193.86	0.20
33.60	0.00	16,636	193.86	0.20
33.70	0.00	16,564	193.85	0.20
33.80	0.00	16,492	193.84	0.20
33.90	0.00	16,421	193.83	0.20
34.00	0.00	16,349	193.82	0.20
34.10	0.00	16,278	193.82	0.20
34.20	0.00	16,207	193.81	0.20
34.30	0.00	16,136	193.80	0.20
34.40	0.00	16,065	193.79	0.20
34.50	0.00	15,995	193.79	0.20
34.60	0.00	15,924	193.78	0.20
34.70	0.00	15,854	193.77	0.19
34.80	0.00	15,784	193.76	0.19
34.90	0.00	15,714	193.75	0.19
35.00	0.00	15,645	193.75	0.19
35.10	0.00	15,576	193.74	0.19
35.20	0.00	15,506	193.73	0.19
35.30	0.00	15,437	193.72	0.19
35.40	0.00	15,369	193.72	0.19
35.50	0.00	15,300	193.71	0.19
35.60	0.00	15,232	193.70	0.19
35.70	0.00	15,163	193.69	0.19
35.80	0.00	15,095	193.68	0.19
35.90	0.00	15,028	193.68	0.19
36.00	0.00	14,960	193.67	0.19
36.10	0.00	14,893	193.66	0.19
36.20	0.00	14,825	193.65	0.19
36.30	0.00	14,758	193.65	0.19

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	14,692	193.64	0.19
36.50	0.00	14,625	193.63	0.18
36.60	0.00	14,558	193.62	0.18
36.70	0.00	14,492	193.62	0.18
36.80	0.00	14,426	193.61	0.18
36.90	0.00	14,360	193.60	0.18
37.00	0.00	14,295	193.60	0.18
37.10	0.00	14,229	193.59	0.18
37.20	0.00	14,164	193.58	0.18
37.30	0.00	14,099	193.57	0.18
37.40	0.00	14,034	193.57	0.18
37.50	0.00	13,969	193.56	0.18
37.60	0.00	13,905	193.55	0.18
37.70	0.00	13,840	193.54	0.18
37.80	0.00	13,776	193.54	0.18
37.90	0.00	13,712	193.53	0.18
38.00	0.00	13,649	193.52	0.18
38.10	0.00	13,585	193.52	0.18
38.20	0.00	13,522	193.51	0.18
38.30	0.00	13,459	193.50	0.18
38.40	0.00	13,396	193.50	0.17
38.50	0.00	13,333	193.49	0.17
38.60	0.00	13,271	193.48	0.17
38.70	0.00	13,208	193.47	0.17
38.80	0.00	13,146	193.47	0.17
38.90	0.00	13,084	193.46	0.17
39.00	0.00	13,022	193.45	0.17
39.10	0.00	12,961	193.45	0.17
39.20	0.00	12,899	193.44	0.17
39.30	0.00	12,838	193.43	0.17
39.40	0.00	12,777	193.43	0.17
39.50	0.00	12,716	193.42	0.17
39.60	0.00	12,656	193.41	0.17
39.70	0.00	12,595	193.41	0.17
39.80	0.00	12,535	193.40	0.17
39.90	0.00	12,475	193.39	0.17
40.00	0.00	12,415	193.39	0.17

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 7.01" for Current 100 yr event
Inflow = 19.83 cfs @ 12.09 hrs, Volume= 1.382 af
Outflow = 14.02 cfs @ 12.15 hrs, Volume= 1.213 af, Atten= 29%, Lag= 3.8 min
Primary = 14.02 cfs @ 12.15 hrs, Volume= 1.213 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.07' @ 12.15 hrs Surf.Area= 7,058 sf Storage= 21,698 cf

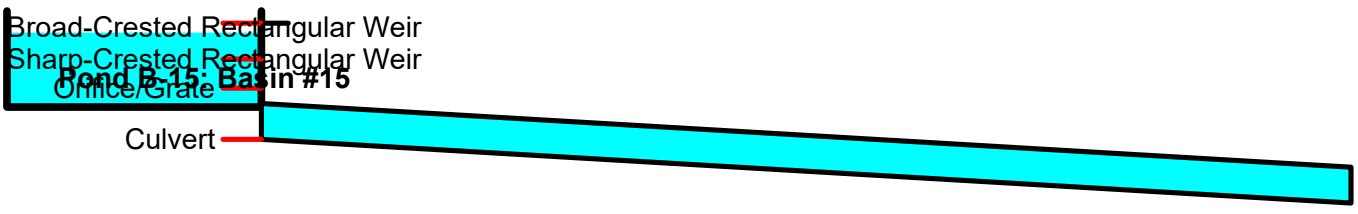
Plug-Flow detention time= 272.0 min calculated for 1.213 af (88% of inflow)
Center-of-Mass det. time= 212.0 min (974.4 - 762.5)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

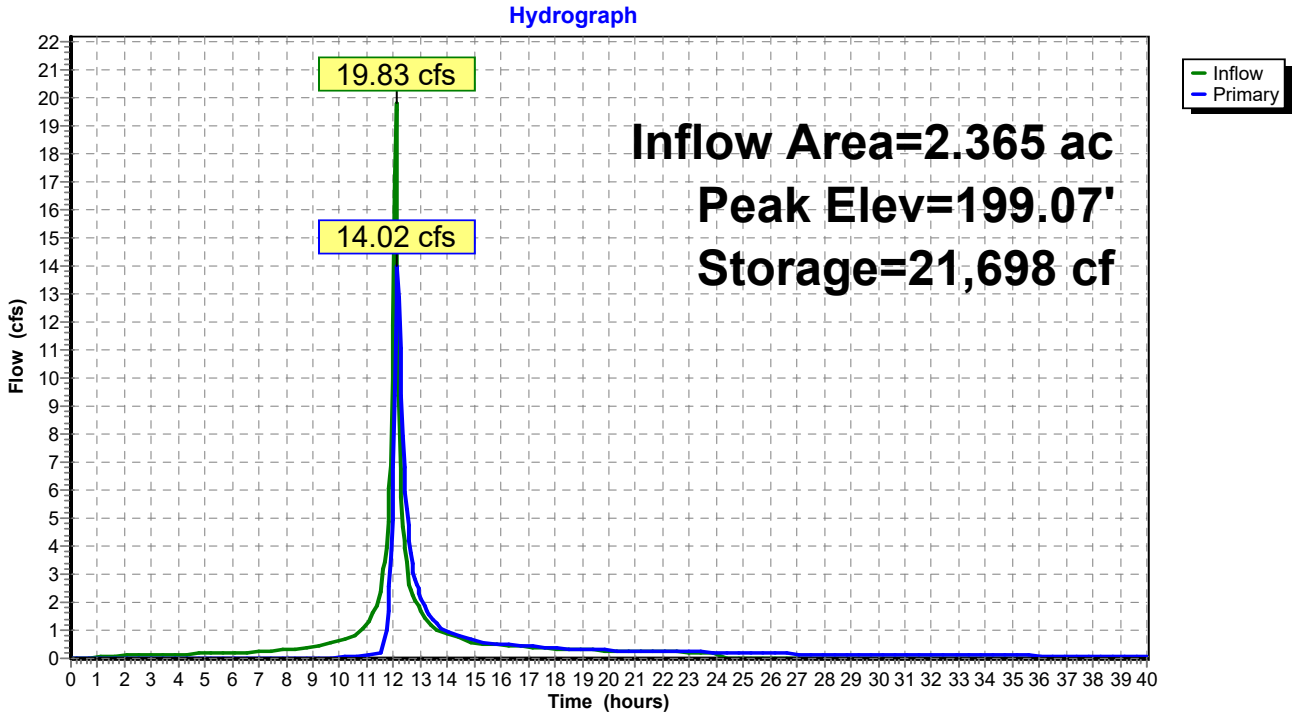
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=13.96 cfs @ 12.15 hrs HW=199.07' (Free Discharge)
- **1=Culvert** (Passes 13.96 cfs of 14.66 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.24 cfs @ 7.12 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 13.71 cfs @ 3.38 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.00	0	196.00	0.00
0.50	0.00	0	196.00	0.00
0.60	0.01	3	196.00	0.00
0.70	0.02	10	196.00	0.00
0.80	0.03	19	196.00	0.00
0.90	0.04	32	196.00	0.00
1.00	0.05	47	196.01	0.00
1.10	0.05	64	196.01	0.00
1.20	0.06	84	196.01	0.00
1.30	0.06	106	196.02	0.00
1.40	0.07	130	196.02	0.00
1.50	0.07	156	196.02	0.00
1.60	0.08	183	196.03	0.00
1.70	0.08	212	196.03	0.00
1.80	0.09	243	196.03	0.00
1.90	0.09	275	196.04	0.00
2.00	0.09	309	196.04	0.00
2.10	0.10	344	196.05	0.00
2.20	0.10	380	196.05	0.00
2.30	0.11	417	196.06	0.00
2.40	0.11	455	196.06	0.00
2.50	0.11	495	196.07	0.00
2.60	0.11	535	196.08	0.00
2.70	0.12	577	196.08	0.00
2.80	0.12	619	196.09	0.00
2.90	0.12	663	196.09	0.00
3.00	0.12	707	196.10	0.00
3.10	0.13	752	196.11	0.00
3.20	0.13	798	196.11	0.00
3.30	0.13	845	196.12	0.00
3.40	0.13	892	196.13	0.00
3.50	0.14	941	196.13	0.00
3.60	0.14	990	196.14	0.00
3.70	0.14	1,040	196.15	0.00
3.80	0.14	1,091	196.15	0.00
3.90	0.14	1,142	196.16	0.00
4.00	0.15	1,194	196.17	0.00
4.10	0.15	1,247	196.18	0.00
4.20	0.15	1,301	196.18	0.00
4.30	0.15	1,355	196.19	0.00
4.40	0.15	1,410	196.20	0.00
4.50	0.15	1,465	196.21	0.00
4.60	0.16	1,521	196.22	0.00
4.70	0.16	1,578	196.22	0.00
4.80	0.16	1,635	196.23	0.00
4.90	0.16	1,693	196.24	0.00
5.00	0.16	1,752	196.25	0.00
5.10	0.16	1,811	196.26	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.17	1,870	196.27	0.00
5.30	0.17	1,931	196.27	0.00
5.40	0.17	1,992	196.28	0.00
5.50	0.17	2,053	196.29	0.00
5.60	0.17	2,115	196.30	0.00
5.70	0.17	2,177	196.31	0.00
5.80	0.18	2,240	196.32	0.00
5.90	0.18	2,304	196.33	0.00
6.00	0.18	2,368	196.34	0.00
6.10	0.18	2,434	196.34	0.00
6.20	0.19	2,501	196.35	0.00
6.30	0.19	2,570	196.36	0.00
6.40	0.20	2,641	196.37	0.00
6.50	0.21	2,714	196.38	0.00
6.60	0.21	2,789	196.40	0.00
6.70	0.22	2,866	196.41	0.00
6.80	0.22	2,946	196.42	0.00
6.90	0.23	3,028	196.43	0.00
7.00	0.24	3,112	196.44	0.00
7.10	0.24	3,199	196.45	0.00
7.20	0.25	3,288	196.47	0.00
7.30	0.26	3,379	196.48	0.00
7.40	0.26	3,473	196.49	0.00
7.50	0.27	3,569	196.51	0.00
7.60	0.28	3,668	196.52	0.00
7.70	0.28	3,769	196.53	0.00
7.80	0.29	3,872	196.55	0.00
7.90	0.30	3,978	196.56	0.00
8.00	0.31	4,087	196.58	0.00
8.10	0.31	4,199	196.59	0.00
8.20	0.32	4,312	196.61	0.00
8.30	0.33	4,429	196.63	0.00
8.40	0.33	4,548	196.64	0.00
8.50	0.34	4,670	196.66	0.00
8.60	0.35	4,794	196.68	0.00
8.70	0.36	4,921	196.70	0.00
8.80	0.36	5,051	196.72	0.00
8.90	0.37	5,184	196.73	0.00
9.00	0.38	5,319	196.75	0.00
9.10	0.40	5,461	196.77	0.00
9.20	0.42	5,610	196.79	0.00
9.30	0.45	5,767	196.82	0.00
9.40	0.47	5,932	196.84	0.01
9.50	0.50	6,103	196.86	0.01
9.60	0.52	6,280	196.89	0.02
9.70	0.54	6,464	196.92	0.03
9.80	0.57	6,653	196.94	0.04
9.90	0.60	6,848	196.97	0.05
10.00	0.62	7,049	197.00	0.06
10.10	0.65	7,256	197.03	0.06
10.20	0.67	7,471	197.06	0.07
10.30	0.70	7,694	197.09	0.07

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.73	7,923	197.12	0.08
10.50	0.76	8,161	197.16	0.09
10.60	0.84	8,420	197.19	0.09
10.70	0.94	8,709	197.23	0.10
10.80	1.03	9,030	197.28	0.10
10.90	1.13	9,383	197.33	0.11
11.00	1.23	9,769	197.38	0.12
11.10	1.40	10,203	197.45	0.12
11.20	1.58	10,699	197.52	0.13
11.30	1.77	11,259	197.60	0.14
11.40	1.96	11,883	197.68	0.15
11.50	2.14	12,568	197.78	0.16
11.60	3.21	13,506	197.91	0.17
11.70	3.56	14,645	198.07	0.45
11.80	4.85	15,813	198.24	1.72
11.90	6.88	17,022	198.41	3.59
12.00	11.90	18,682	198.65	6.81
12.10	**19.60**	**21,155**	**199.00**	**12.62**
12.20	9.05	**21,263**	**199.01**	**12.89**
12.30	5.77	19,823	198.81	9.35
12.40	4.18	18,681	198.65	6.80
12.50	3.79	17,947	198.54	5.30
12.60	2.62	17,364	198.46	4.20
12.70	2.33	16,892	198.39	3.37
12.80	2.12	16,575	198.35	2.84
12.90	1.93	16,343	198.32	2.48
13.00	1.72	16,154	198.29	2.20
13.10	1.53	15,987	198.27	1.96
13.20	1.41	15,844	198.24	1.76
13.30	1.30	15,724	198.23	1.60
13.40	1.19	15,618	198.21	1.46
13.50	1.08	15,520	198.20	1.34
13.60	0.98	15,426	198.19	1.23
13.70	0.94	15,344	198.17	1.13
13.80	0.91	15,281	198.17	1.06
13.90	0.88	15,232	198.16	1.00
14.00	0.85	15,190	198.15	0.96
14.10	0.82	15,152	198.15	0.92
14.20	0.80	15,118	198.14	0.88
14.30	0.77	15,086	198.14	0.85
14.40	0.74	15,055	198.13	0.82
14.50	0.71	15,026	198.13	0.79
14.60	0.68	14,997	198.12	0.76
14.70	0.65	14,969	198.12	0.73
14.80	0.63	14,940	198.12	0.70
14.90	0.60	14,911	198.11	0.68
15.00	0.57	14,880	198.11	0.65
15.10	0.54	14,850	198.10	0.62
15.20	0.53	14,822	198.10	0.60
15.30	0.52	14,799	198.10	0.58
15.40	0.51	14,780	198.09	0.56
15.50	0.51	14,764	198.09	0.55

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.50	14,750	198.09	0.54
15.70	0.49	14,737	198.09	0.52
15.80	0.48	14,725	198.09	0.51
15.90	0.48	14,715	198.08	0.50
16.00	0.47	14,705	198.08	0.50
16.10	0.46	14,695	198.08	0.49
16.20	0.45	14,686	198.08	0.48
16.30	0.45	14,677	198.08	0.47
16.40	0.44	14,667	198.08	0.47
16.50	0.43	14,657	198.08	0.46
16.60	0.42	14,647	198.08	0.45
16.70	0.42	14,637	198.07	0.44
16.80	0.41	14,627	198.07	0.44
16.90	0.40	14,616	198.07	0.43
17.00	0.39	14,605	198.07	0.42
17.10	0.39	14,595	198.07	0.42
17.20	0.38	14,584	198.07	0.41
17.30	0.37	14,573	198.06	0.40
17.40	0.36	14,562	198.06	0.39
17.50	0.36	14,551	198.06	0.39
17.60	0.35	14,540	198.06	0.38
17.70	0.34	14,529	198.06	0.37
17.80	0.33	14,518	198.06	0.36
17.90	0.33	14,507	198.06	0.36
18.00	0.32	14,496	198.05	0.35
18.10	0.31	14,485	198.05	0.34
18.20	0.31	14,475	198.05	0.33
18.30	0.31	14,466	198.05	0.33
18.40	0.30	14,459	198.05	0.32
18.50	0.30	14,453	198.05	0.32
18.60	0.30	14,447	198.05	0.31
18.70	0.30	14,442	198.05	0.31
18.80	0.30	14,438	198.05	0.31
18.90	0.29	14,434	198.05	0.31
19.00	0.29	14,430	198.04	0.30
19.10	0.29	14,426	198.04	0.30
19.20	0.29	14,423	198.04	0.30
19.30	0.29	14,420	198.04	0.30
19.40	0.28	14,417	198.04	0.29
19.50	0.28	14,413	198.04	0.29
19.60	0.28	14,410	198.04	0.29
19.70	0.28	14,408	198.04	0.29
19.80	0.28	14,405	198.04	0.29
19.90	0.28	14,402	198.04	0.28
20.00	0.27	14,399	198.04	0.28
20.10	0.27	14,396	198.04	0.28
20.20	0.27	14,393	198.04	0.28
20.30	0.27	14,390	198.04	0.28
20.40	0.27	14,386	198.04	0.28
20.50	0.26	14,382	198.04	0.27
20.60	0.26	14,378	198.04	0.27
20.70	0.26	14,375	198.04	0.27

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.26	14,370	198.04	0.27
20.90	0.26	14,366	198.04	0.27
21.00	0.25	14,362	198.03	0.27
21.10	0.25	14,357	198.03	0.27
21.20	0.25	14,352	198.03	0.26
21.30	0.25	14,348	198.03	0.26
21.40	0.25	14,344	198.03	0.26
21.50	0.25	14,339	198.03	0.26
21.60	0.24	14,334	198.03	0.26
21.70	0.24	14,329	198.03	0.25
21.80	0.24	14,325	198.03	0.25
21.90	0.24	14,320	198.03	0.25
22.00	0.24	14,315	198.03	0.25
22.10	0.23	14,310	198.03	0.25
22.20	0.23	14,305	198.03	0.25
22.30	0.23	14,301	198.03	0.24
22.40	0.23	14,296	198.03	0.24
22.50	0.23	14,291	198.02	0.24
22.60	0.23	14,286	198.02	0.24
22.70	0.22	14,281	198.02	0.24
22.80	0.22	14,276	198.02	0.23
22.90	0.22	14,271	198.02	0.23
23.00	0.22	14,266	198.02	0.23
23.10	0.21	14,261	198.02	0.23
23.20	0.21	14,256	198.02	0.23
23.30	0.21	14,251	198.02	0.22
23.40	0.21	14,246	198.02	0.22
23.50	0.21	14,241	198.02	0.22
23.60	0.20	14,236	198.02	0.22
23.70	0.20	14,231	198.02	0.22
23.80	0.20	14,226	198.02	0.22
23.90	0.20	14,221	198.01	0.21
24.00	0.23	14,224	198.02	0.21
24.10	0.03	14,192	198.01	0.20
24.20	0.00	14,129	198.00	0.18
24.30	0.00	14,066	197.99	0.17
24.40	0.00	14,004	197.98	0.17
24.50	0.00	13,942	197.98	0.17
24.60	0.00	13,881	197.97	0.17
24.70	0.00	13,819	197.96	0.17
24.80	0.00	13,758	197.95	0.17
24.90	0.00	13,697	197.94	0.17
25.00	0.00	13,637	197.93	0.17
25.10	0.00	13,576	197.92	0.17
25.20	0.00	13,516	197.92	0.17
25.30	0.00	13,456	197.91	0.17
25.40	0.00	13,397	197.90	0.17
25.50	0.00	13,337	197.89	0.16
25.60	0.00	13,278	197.88	0.16
25.70	0.00	13,219	197.87	0.16
25.80	0.00	13,161	197.86	0.16
25.90	0.00	13,102	197.86	0.16

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,044	197.85	0.16
26.10	0.00	12,986	197.84	0.16
26.20	0.00	12,929	197.83	0.16
26.30	0.00	12,871	197.82	0.16
26.40	0.00	12,814	197.82	0.16
26.50	0.00	12,757	197.81	0.16
26.60	0.00	12,701	197.80	0.16
26.70	0.00	12,644	197.79	0.16
26.80	0.00	12,588	197.78	0.16
26.90	0.00	12,532	197.78	0.15
27.00	0.00	12,476	197.77	0.15
27.10	0.00	12,421	197.76	0.15
27.20	0.00	12,366	197.75	0.15
27.30	0.00	12,311	197.74	0.15
27.40	0.00	12,256	197.74	0.15
27.50	0.00	12,202	197.73	0.15
27.60	0.00	12,148	197.72	0.15
27.70	0.00	12,094	197.71	0.15
27.80	0.00	12,040	197.71	0.15
27.90	0.00	11,987	197.70	0.15
28.00	0.00	11,933	197.69	0.15
28.10	0.00	11,880	197.68	0.15
28.20	0.00	11,828	197.68	0.15
28.30	0.00	11,775	197.67	0.15
28.40	0.00	11,723	197.66	0.14
28.50	0.00	11,671	197.65	0.14
28.60	0.00	11,619	197.65	0.14
28.70	0.00	11,568	197.64	0.14
28.80	0.00	11,517	197.63	0.14
28.90	0.00	11,466	197.62	0.14
29.00	0.00	11,415	197.62	0.14
29.10	0.00	11,365	197.61	0.14
29.20	0.00	11,314	197.60	0.14
29.30	0.00	11,264	197.60	0.14
29.40	0.00	11,215	197.59	0.14
29.50	0.00	11,165	197.58	0.14
29.60	0.00	11,116	197.57	0.14
29.70	0.00	11,067	197.57	0.14
29.80	0.00	11,018	197.56	0.14
29.90	0.00	10,970	197.55	0.13
30.00	0.00	10,922	197.55	0.13
30.10	0.00	10,874	197.54	0.13
30.20	0.00	10,826	197.53	0.13
30.30	0.00	10,778	197.53	0.13
30.40	0.00	10,731	197.52	0.13
30.50	0.00	10,684	197.51	0.13
30.60	0.00	10,637	197.51	0.13
30.70	0.00	10,591	197.50	0.13
30.80	0.00	10,545	197.49	0.13
30.90	0.00	10,499	197.49	0.13
31.00	0.00	10,453	197.48	0.13
31.10	0.00	10,407	197.47	0.13

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,362	197.47	0.13
31.30	0.00	10,317	197.46	0.12
31.40	0.00	10,272	197.46	0.12
31.50	0.00	10,228	197.45	0.12
31.60	0.00	10,183	197.44	0.12
31.70	0.00	10,139	197.44	0.12
31.80	0.00	10,096	197.43	0.12
31.90	0.00	10,052	197.42	0.12
32.00	0.00	10,009	197.42	0.12
32.10	0.00	9,966	197.41	0.12
32.20	0.00	9,923	197.41	0.12
32.30	0.00	9,880	197.40	0.12
32.40	0.00	9,838	197.39	0.12
32.50	0.00	9,796	197.39	0.12
32.60	0.00	9,754	197.38	0.12
32.70	0.00	9,713	197.38	0.12
32.80	0.00	9,671	197.37	0.11
32.90	0.00	9,630	197.36	0.11
33.00	0.00	9,589	197.36	0.11
33.10	0.00	9,549	197.35	0.11
33.20	0.00	9,508	197.35	0.11
33.30	0.00	9,468	197.34	0.11
33.40	0.00	9,429	197.34	0.11
33.50	0.00	9,389	197.33	0.11
33.60	0.00	9,350	197.32	0.11
33.70	0.00	9,311	197.32	0.11
33.80	0.00	9,272	197.31	0.11
33.90	0.00	9,233	197.31	0.11
34.00	0.00	9,195	197.30	0.11
34.10	0.00	9,157	197.30	0.11
34.20	0.00	9,119	197.29	0.10
34.30	0.00	9,081	197.29	0.10
34.40	0.00	9,044	197.28	0.10
34.50	0.00	9,007	197.28	0.10
34.60	0.00	8,970	197.27	0.10
34.70	0.00	8,933	197.27	0.10
34.80	0.00	8,897	197.26	0.10
34.90	0.00	8,861	197.26	0.10
35.00	0.00	8,825	197.25	0.10
35.10	0.00	8,789	197.25	0.10
35.20	0.00	8,754	197.24	0.10
35.30	0.00	8,719	197.24	0.10
35.40	0.00	8,684	197.23	0.10
35.50	0.00	8,649	197.23	0.10
35.60	0.00	8,615	197.22	0.10
35.70	0.00	8,581	197.22	0.09
35.80	0.00	8,547	197.21	0.09
35.90	0.00	8,513	197.21	0.09
36.00	0.00	8,480	197.20	0.09
36.10	0.00	8,447	197.20	0.09
36.20	0.00	8,414	197.19	0.09
36.30	0.00	8,381	197.19	0.09

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,349	197.18	0.09
36.50	0.00	8,317	197.18	0.09
36.60	0.00	8,285	197.17	0.09
36.70	0.00	8,253	197.17	0.09
36.80	0.00	8,222	197.16	0.09
36.90	0.00	8,190	197.16	0.09
37.00	0.00	8,159	197.16	0.09
37.10	0.00	8,129	197.15	0.08
37.20	0.00	8,098	197.15	0.08
37.30	0.00	8,068	197.14	0.08
37.40	0.00	8,038	197.14	0.08
37.50	0.00	8,009	197.13	0.08
37.60	0.00	7,979	197.13	0.08
37.70	0.00	7,950	197.13	0.08
37.80	0.00	7,921	197.12	0.08
37.90	0.00	7,892	197.12	0.08
38.00	0.00	7,864	197.11	0.08
38.10	0.00	7,836	197.11	0.08
38.20	0.00	7,808	197.11	0.08
38.30	0.00	7,780	197.10	0.08
38.40	0.00	7,753	197.10	0.08
38.50	0.00	7,725	197.09	0.08
38.60	0.00	7,698	197.09	0.07
38.70	0.00	7,672	197.09	0.07
38.80	0.00	7,645	197.08	0.07
38.90	0.00	7,619	197.08	0.07
39.00	0.00	7,593	197.08	0.07
39.10	0.00	7,567	197.07	0.07
39.20	0.00	7,542	197.07	0.07
39.30	0.00	7,517	197.06	0.07
39.40	0.00	7,492	197.06	0.07
39.50	0.00	7,467	197.06	0.07
39.60	0.00	7,442	197.05	0.07
39.70	0.00	7,418	197.05	0.07
39.80	0.00	7,394	197.05	0.07
39.90	0.00	7,371	197.04	0.07
40.00	0.00	7,347	197.04	0.06

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0	196.52	7,058	3,670
196.01	7,058	71	196.53	7,058	3,741
196.02	7,058	141	196.54	7,058	3,811
196.03	7,058	212	196.55	7,058	3,882
196.04	7,058	282	196.56	7,058	3,952
196.05	7,058	353	196.57	7,058	4,023
196.06	7,058	423	196.58	7,058	4,094
196.07	7,058	494	196.59	7,058	4,164
196.08	7,058	565	196.60	7,058	4,235
196.09	7,058	635	196.61	7,058	4,305
196.10	7,058	706	196.62	7,058	4,376
196.11	7,058	776	196.63	7,058	4,447
196.12	7,058	847	196.64	7,058	4,517
196.13	7,058	918	196.65	7,058	4,588
196.14	7,058	988	196.66	7,058	4,658
196.15	7,058	1,059	196.67	7,058	4,729
196.16	7,058	1,129	196.68	7,058	4,799
196.17	7,058	1,200	196.69	7,058	4,870
196.18	7,058	1,270	196.70	7,058	4,941
196.19	7,058	1,341	196.71	7,058	5,011
196.20	7,058	1,412	196.72	7,058	5,082
196.21	7,058	1,482	196.73	7,058	5,152
196.22	7,058	1,553	196.74	7,058	5,223
196.23	7,058	1,623	196.75	7,058	5,294
196.24	7,058	1,694	196.76	7,058	5,364
196.25	7,058	1,765	196.77	7,058	5,435
196.26	7,058	1,835	196.78	7,058	5,505
196.27	7,058	1,906	196.79	7,058	5,576
196.28	7,058	1,976	196.80	7,058	5,646
196.29	7,058	2,047	196.81	7,058	5,717
196.30	7,058	2,117	196.82	7,058	5,788
196.31	7,058	2,188	196.83	7,058	5,858
196.32	7,058	2,259	196.84	7,058	5,929
196.33	7,058	2,329	196.85	7,058	5,999
196.34	7,058	2,400	196.86	7,058	6,070
196.35	7,058	2,470	196.87	7,058	6,140
196.36	7,058	2,541	196.88	7,058	6,211
196.37	7,058	2,611	196.89	7,058	6,282
196.38	7,058	2,682	196.90	7,058	6,352
196.39	7,058	2,753	196.91	7,058	6,423
196.40	7,058	2,823	196.92	7,058	6,493
196.41	7,058	2,894	196.93	7,058	6,564
196.42	7,058	2,964	196.94	7,058	6,635
196.43	7,058	3,035	196.95	7,058	6,705
196.44	7,058	3,106	196.96	7,058	6,776
196.45	7,058	3,176	196.97	7,058	6,846
196.46	7,058	3,247	196.98	7,058	6,917
196.47	7,058	3,317	196.99	7,058	6,987
196.48	7,058	3,388	197.00	7,058	7,058
196.49	7,058	3,458	197.01	7,058	7,129
196.50	7,058	3,529	197.02	7,058	7,199
196.51	7,058	3,600	197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 6.63" for Current 100 yr event
Inflow = 16.30 cfs @ 12.06 hrs, Volume= 1.036 af
Outflow = 6.55 cfs @ 12.17 hrs, Volume= 0.870 af, Atten= 60%, Lag= 6.3 min
Primary = 6.55 cfs @ 12.17 hrs, Volume= 0.870 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.28' @ 12.17 hrs Surf.Area= 6,681 sf Storage= 21,894 cf

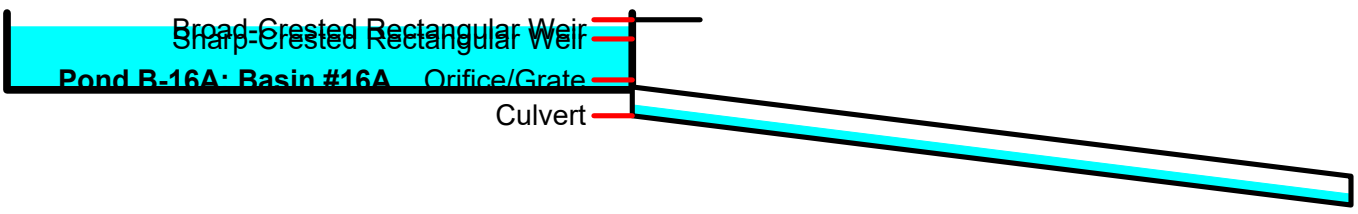
Plug-Flow detention time= 441.7 min calculated for 0.870 af (84% of inflow)
Center-of-Mass det. time= 370.1 min (1,140.0 - 769.9)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

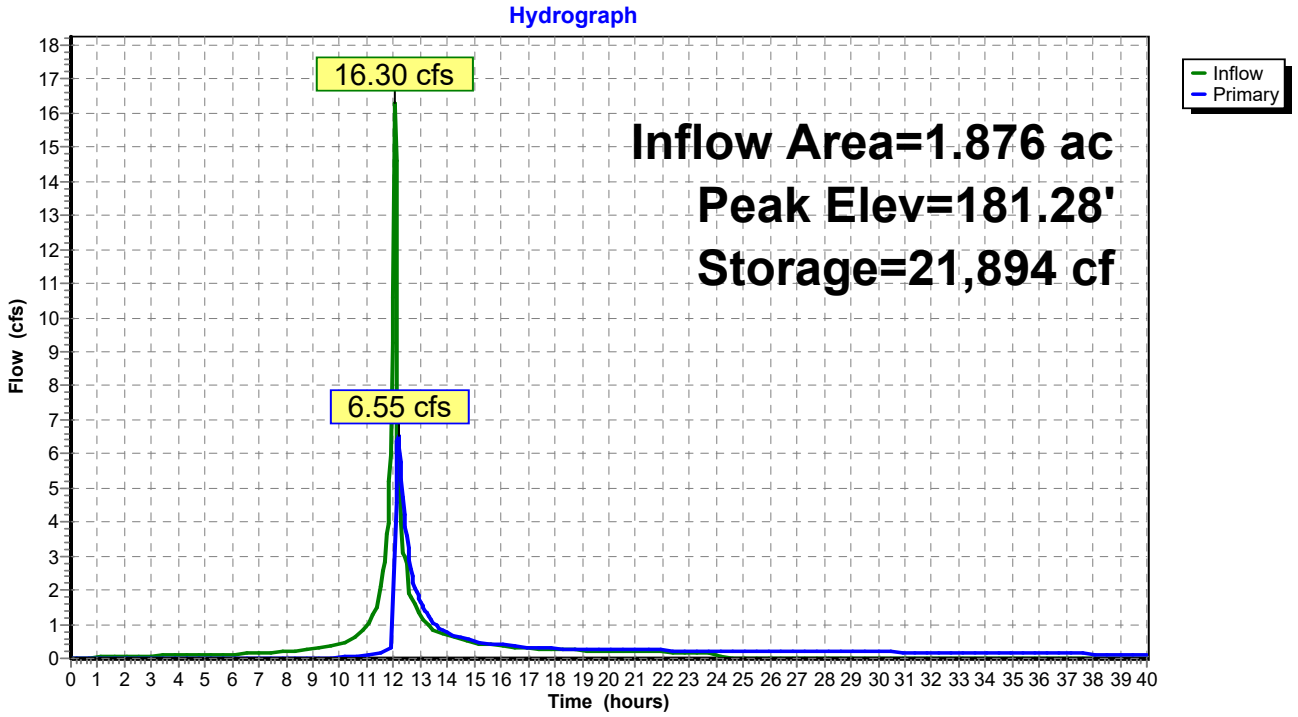
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=6.30 cfs @ 12.17 hrs HW=181.26' (Free Discharge)
- **1=Culvert** (Passes 6.30 cfs of 16.72 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.27 cfs @ 7.82 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 6.04 cfs @ 2.55 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.01	2	178.00	0.00
0.70	0.01	7	178.00	0.00
0.80	0.02	13	178.00	0.00
0.90	0.02	21	178.00	0.00
1.00	0.03	30	178.00	0.00
1.10	0.03	41	178.01	0.00
1.20	0.04	54	178.01	0.00
1.30	0.04	68	178.01	0.00
1.40	0.04	82	178.01	0.00
1.50	0.05	99	178.01	0.00
1.60	0.05	116	178.02	0.00
1.70	0.05	134	178.02	0.00
1.80	0.05	153	178.02	0.00
1.90	0.06	173	178.03	0.00
2.00	0.06	193	178.03	0.00
2.10	0.06	215	178.03	0.00
2.20	0.06	237	178.04	0.00
2.30	0.07	260	178.04	0.00
2.40	0.07	284	178.04	0.00
2.50	0.07	308	178.05	0.00
2.60	0.07	333	178.05	0.00
2.70	0.07	358	178.05	0.00
2.80	0.07	385	178.06	0.00
2.90	0.07	411	178.06	0.00
3.00	0.08	439	178.07	0.00
3.10	0.08	467	178.07	0.00
3.20	0.08	495	178.07	0.00
3.30	0.08	524	178.08	0.00
3.40	0.08	553	178.08	0.00
3.50	0.08	583	178.09	0.00
3.60	0.08	613	178.09	0.00
3.70	0.09	644	178.10	0.00
3.80	0.09	675	178.10	0.00
3.90	0.09	707	178.11	0.00
4.00	0.09	739	178.11	0.00
4.10	0.09	771	178.12	0.00
4.20	0.09	804	178.12	0.00
4.30	0.09	838	178.13	0.00
4.40	0.09	872	178.13	0.00
4.50	0.10	906	178.14	0.00
4.60	0.10	940	178.14	0.00
4.70	0.10	975	178.15	0.00
4.80	0.10	1,010	178.15	0.00
4.90	0.10	1,046	178.16	0.00
5.00	0.10	1,082	178.16	0.00
5.10	0.10	1,118	178.17	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	1,155	178.17	0.00
5.30	0.10	1,192	178.18	0.00
5.40	0.10	1,229	178.18	0.00
5.50	0.11	1,267	178.19	0.00
5.60	0.11	1,305	178.20	0.00
5.70	0.11	1,344	178.20	0.00
5.80	0.11	1,382	178.21	0.00
5.90	0.11	1,422	178.21	0.00
6.00	0.11	1,461	178.22	0.00
6.10	0.11	1,501	178.22	0.00
6.20	0.12	1,543	178.23	0.00
6.30	0.12	1,586	178.24	0.00
6.40	0.12	1,630	178.24	0.00
6.50	0.13	1,675	178.25	0.00
6.60	0.13	1,722	178.26	0.00
6.70	0.14	1,771	178.27	0.00
6.80	0.14	1,821	178.27	0.00
6.90	0.15	1,873	178.28	0.00
7.00	0.15	1,927	178.29	0.00
7.10	0.16	1,983	178.30	0.00
7.20	0.16	2,040	178.31	0.00
7.30	0.17	2,099	178.31	0.00
7.40	0.17	2,159	178.32	0.00
7.50	0.18	2,222	178.33	0.00
7.60	0.18	2,286	178.34	0.00
7.70	0.19	2,352	178.35	0.00
7.80	0.19	2,420	178.36	0.00
7.90	0.20	2,491	178.37	0.00
8.00	0.20	2,563	178.38	0.00
8.10	0.21	2,636	178.39	0.00
8.20	0.21	2,712	178.41	0.00
8.30	0.22	2,790	178.42	0.00
8.40	0.22	2,870	178.43	0.00
8.50	0.23	2,952	178.44	0.00
8.60	0.24	3,036	178.45	0.00
8.70	0.24	3,122	178.47	0.00
8.80	0.25	3,210	178.48	0.00
8.90	0.25	3,300	178.49	0.00
9.00	0.26	3,393	178.51	0.00
9.10	0.28	3,490	178.52	0.00
9.20	0.29	3,594	178.54	0.00
9.30	0.31	3,703	178.55	0.00
9.40	0.33	3,817	178.57	0.01
9.50	0.35	3,937	178.59	0.01
9.60	0.36	4,061	178.61	0.01
9.70	0.38	4,190	178.63	0.02
9.80	0.40	4,324	178.65	0.03
9.90	0.42	4,462	178.67	0.03
10.00	0.44	4,604	178.69	0.04
10.10	0.46	4,751	178.71	0.05
10.20	0.48	4,902	178.73	0.05
10.30	0.50	5,059	178.76	0.06

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.52	5,221	178.78	0.06
10.50	0.55	5,390	178.81	0.07
10.60	0.62	5,577	178.83	0.08
10.70	0.69	5,787	178.87	0.08
10.80	0.76	6,021	178.90	0.09
10.90	0.83	6,278	178.94	0.09
11.00	0.92	6,561	178.98	0.10
11.10	1.05	6,884	179.03	0.10
11.20	1.19	7,255	179.09	0.11
11.30	1.33	7,674	179.15	0.12
11.40	1.47	8,142	179.22	0.13
11.50	1.72	8,664	179.30	0.13
11.60	2.51	9,434	179.41	0.15
11.70	2.84	10,336	179.55	0.16
11.80	3.98	11,551	179.73	0.17
11.90	5.98	13,321	179.99	0.19
12.00	**10.58**	16,399	180.45	0.22
12.10	**14.62**	**20,941**	**181.13**	**4.57**
12.20	5.52	**21,724**	**181.25**	**6.19**
12.30	4.01	21,278	181.18	5.24
12.40	3.06	20,770	181.11	4.23
12.50	2.76	20,423	181.06	3.58
12.60	1.88	20,023	181.00	2.88
12.70	1.76	19,728	180.95	2.40
12.80	1.61	19,521	180.92	2.08
12.90	1.45	19,358	180.90	1.84
13.00	1.30	19,218	180.88	1.64
13.10	1.15	19,089	180.86	1.47
13.20	1.07	18,981	180.84	1.33
13.30	0.99	18,889	180.83	1.22
13.40	0.90	18,805	180.81	1.11
13.50	0.82	18,725	180.80	1.02
13.60	0.74	18,649	180.79	0.94
13.70	0.72	18,587	180.78	0.87
13.80	0.70	18,538	180.77	0.82
13.90	0.68	18,498	180.77	0.78
14.00	0.66	18,464	180.76	0.74
14.10	0.63	18,434	180.76	0.71
14.20	0.61	18,406	180.76	0.69
14.30	0.59	18,379	180.75	0.66
14.40	0.57	18,353	180.75	0.64
14.50	0.55	18,327	180.74	0.62
14.60	0.52	18,301	180.74	0.59
14.70	0.50	18,275	180.74	0.57
14.80	0.48	18,250	180.73	0.55
14.90	0.46	18,225	180.73	0.53
15.00	0.44	18,199	180.72	0.50
15.10	0.42	18,174	180.72	0.48
15.20	0.41	18,152	180.72	0.47
15.30	0.40	18,133	180.71	0.45
15.40	0.40	18,117	180.71	0.44
15.50	0.39	18,101	180.71	0.43

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.39	18,088	180.71	0.42
15.70	0.38	18,075	180.71	0.41
15.80	0.38	18,063	180.70	0.41
15.90	0.37	18,052	180.70	0.40
16.00	0.36	18,041	180.70	0.39
16.10	0.36	18,031	180.70	0.39
16.20	0.35	18,021	180.70	0.38
16.30	0.35	18,011	180.70	0.37
16.40	0.34	18,001	180.69	0.37
16.50	0.33	17,991	180.69	0.36
16.60	0.33	17,982	180.69	0.35
16.70	0.32	17,973	180.69	0.35
16.80	0.32	17,964	180.69	0.34
16.90	0.31	17,955	180.69	0.34
17.00	0.31	17,946	180.69	0.33
17.10	0.30	17,937	180.68	0.32
17.20	0.29	17,928	180.68	0.32
17.30	0.29	17,918	180.68	0.31
17.40	0.28	17,909	180.68	0.31
17.50	0.28	17,900	180.68	0.30
17.60	0.27	17,890	180.68	0.30
17.70	0.26	17,880	180.68	0.29
17.80	0.26	17,868	180.67	0.29
17.90	0.25	17,856	180.67	0.29
18.00	0.25	17,843	180.67	0.28
18.10	0.24	17,830	180.67	0.28
18.20	0.24	17,818	180.67	0.27
18.30	0.24	17,806	180.67	0.27
18.40	0.24	17,795	180.66	0.27
18.50	0.24	17,786	180.66	0.26
18.60	0.23	17,776	180.66	0.26
18.70	0.23	17,768	180.66	0.26
18.80	0.23	17,760	180.66	0.25
18.90	0.23	17,752	180.66	0.25
19.00	0.23	17,745	180.66	0.25
19.10	0.23	17,738	180.65	0.25
19.20	0.23	17,731	180.65	0.24
19.30	0.22	17,725	180.65	0.24
19.40	0.22	17,719	180.65	0.24
19.50	0.22	17,713	180.65	0.24
19.60	0.22	17,707	180.65	0.23
19.70	0.22	17,702	180.65	0.23
19.80	0.22	17,696	180.65	0.23
19.90	0.21	17,690	180.65	0.23
20.00	0.21	17,683	180.65	0.23
20.10	0.21	17,675	180.65	0.23
20.20	0.21	17,667	180.64	0.23
20.30	0.21	17,659	180.64	0.23
20.40	0.21	17,649	180.64	0.23
20.50	0.21	17,640	180.64	0.23
20.60	0.21	17,630	180.64	0.23
20.70	0.20	17,620	180.64	0.23

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	17,609	180.64	0.23
20.90	0.20	17,597	180.63	0.23
21.00	0.20	17,585	180.63	0.23
21.10	0.20	17,572	180.63	0.23
21.20	0.20	17,559	180.63	0.23
21.30	0.20	17,546	180.63	0.23
21.40	0.19	17,532	180.62	0.23
21.50	0.19	17,518	180.62	0.23
21.60	0.19	17,503	180.62	0.23
21.70	0.19	17,487	180.62	0.23
21.80	0.19	17,472	180.62	0.23
21.90	0.19	17,455	180.61	0.23
22.00	0.18	17,438	180.61	0.23
22.10	0.18	17,421	180.61	0.23
22.20	0.18	17,403	180.60	0.23
22.30	0.18	17,385	180.60	0.23
22.40	0.18	17,366	180.60	0.23
22.50	0.18	17,347	180.60	0.23
22.60	0.18	17,328	180.59	0.23
22.70	0.17	17,307	180.59	0.23
22.80	0.17	17,287	180.59	0.23
22.90	0.17	17,265	180.58	0.23
23.00	0.17	17,244	180.58	0.23
23.10	0.17	17,222	180.58	0.23
23.20	0.17	17,199	180.57	0.23
23.30	0.16	17,176	180.57	0.23
23.40	0.16	17,153	180.57	0.23
23.50	0.16	17,129	180.56	0.23
23.60	0.16	17,105	180.56	0.23
23.70	0.16	17,080	180.56	0.23
23.80	0.16	17,055	180.55	0.23
23.90	0.16	17,029	180.55	0.23
24.00	0.16	17,011	180.55	0.23
24.10	0.00	16,945	180.54	0.23
24.20	0.00	16,863	180.52	0.23
24.30	0.00	16,782	180.51	0.23
24.40	0.00	16,701	180.50	0.22
24.50	0.00	16,620	180.49	0.22
24.60	0.00	16,539	180.48	0.22
24.70	0.00	16,459	180.46	0.22
24.80	0.00	16,379	180.45	0.22
24.90	0.00	16,299	180.44	0.22
25.00	0.00	16,220	180.43	0.22
25.10	0.00	16,141	180.42	0.22
25.20	0.00	16,062	180.40	0.22
25.30	0.00	15,983	180.39	0.22
25.40	0.00	15,905	180.38	0.22
25.50	0.00	15,826	180.37	0.22
25.60	0.00	15,748	180.36	0.22
25.70	0.00	15,671	180.35	0.22
25.80	0.00	15,593	180.33	0.21
25.90	0.00	15,516	180.32	0.21

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	15,439	180.31	0.21
26.10	0.00	15,363	180.30	0.21
26.20	0.00	15,286	180.29	0.21
26.30	0.00	15,210	180.28	0.21
26.40	0.00	15,135	180.27	0.21
26.50	0.00	15,059	180.25	0.21
26.60	0.00	14,984	180.24	0.21
26.70	0.00	14,909	180.23	0.21
26.80	0.00	14,834	180.22	0.21
26.90	0.00	14,759	180.21	0.21
27.00	0.00	14,685	180.20	0.21
27.10	0.00	14,611	180.19	0.21
27.20	0.00	14,537	180.18	0.20
27.30	0.00	14,464	180.16	0.20
27.40	0.00	14,391	180.15	0.20
27.50	0.00	14,318	180.14	0.20
27.60	0.00	14,245	180.13	0.20
27.70	0.00	14,173	180.12	0.20
27.80	0.00	14,100	180.11	0.20
27.90	0.00	14,028	180.10	0.20
28.00	0.00	13,957	180.09	0.20
28.10	0.00	13,885	180.08	0.20
28.20	0.00	13,814	180.07	0.20
28.30	0.00	13,743	180.06	0.20
28.40	0.00	13,673	180.05	0.20
28.50	0.00	13,603	180.04	0.20
28.60	0.00	13,532	180.03	0.19
28.70	0.00	13,463	180.02	0.19
28.80	0.00	13,393	180.00	0.19
28.90	0.00	13,324	179.99	0.19
29.00	0.00	13,255	179.98	0.19
29.10	0.00	13,186	179.97	0.19
29.20	0.00	13,117	179.96	0.19
29.30	0.00	13,049	179.95	0.19
29.40	0.00	12,981	179.94	0.19
29.50	0.00	12,914	179.93	0.19
29.60	0.00	12,846	179.92	0.19
29.70	0.00	12,779	179.91	0.19
29.80	0.00	12,712	179.90	0.19
29.90	0.00	12,645	179.89	0.18
30.00	0.00	12,579	179.88	0.18
30.10	0.00	12,513	179.87	0.18
30.20	0.00	12,447	179.86	0.18
30.30	0.00	12,381	179.85	0.18
30.40	0.00	12,316	179.84	0.18
30.50	0.00	12,251	179.83	0.18
30.60	0.00	12,186	179.82	0.18
30.70	0.00	12,121	179.81	0.18
30.80	0.00	12,057	179.80	0.18
30.90	0.00	11,993	179.80	0.18
31.00	0.00	11,929	179.79	0.18
31.10	0.00	11,865	179.78	0.18

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	11,802	179.77	0.18
31.30	0.00	11,739	179.76	0.17
31.40	0.00	11,676	179.75	0.17
31.50	0.00	11,614	179.74	0.17
31.60	0.00	11,552	179.73	0.17
31.70	0.00	11,490	179.72	0.17
31.80	0.00	11,428	179.71	0.17
31.90	0.00	11,366	179.70	0.17
32.00	0.00	11,305	179.69	0.17
32.10	0.00	11,244	179.68	0.17
32.20	0.00	11,184	179.67	0.17
32.30	0.00	11,123	179.66	0.17
32.40	0.00	11,063	179.66	0.17
32.50	0.00	11,003	179.65	0.17
32.60	0.00	10,944	179.64	0.17
32.70	0.00	10,884	179.63	0.16
32.80	0.00	10,825	179.62	0.16
32.90	0.00	10,766	179.61	0.16
33.00	0.00	10,708	179.60	0.16
33.10	0.00	10,649	179.59	0.16
33.20	0.00	10,591	179.59	0.16
33.30	0.00	10,534	179.58	0.16
33.40	0.00	10,476	179.57	0.16
33.50	0.00	10,419	179.56	0.16
33.60	0.00	10,362	179.55	0.16
33.70	0.00	10,305	179.54	0.16
33.80	0.00	10,249	179.53	0.16
33.90	0.00	10,192	179.53	0.16
34.00	0.00	10,136	179.52	0.16
34.10	0.00	10,081	179.51	0.15
34.20	0.00	10,025	179.50	0.15
34.30	0.00	9,970	179.49	0.15
34.40	0.00	9,915	179.48	0.15
34.50	0.00	9,860	179.48	0.15
34.60	0.00	9,806	179.47	0.15
34.70	0.00	9,752	179.46	0.15
34.80	0.00	9,698	179.45	0.15
34.90	0.00	9,644	179.44	0.15
35.00	0.00	9,591	179.44	0.15
35.10	0.00	9,538	179.43	0.15
35.20	0.00	9,485	179.42	0.15
35.30	0.00	9,433	179.41	0.15
35.40	0.00	9,380	179.40	0.14
35.50	0.00	9,328	179.40	0.14
35.60	0.00	9,276	179.39	0.14
35.70	0.00	9,225	179.38	0.14
35.80	0.00	9,174	179.37	0.14
35.90	0.00	9,123	179.37	0.14
36.00	0.00	9,072	179.36	0.14
36.10	0.00	9,021	179.35	0.14
36.20	0.00	8,971	179.34	0.14
36.30	0.00	8,921	179.34	0.14

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,871	179.33	0.14
36.50	0.00	8,822	179.32	0.14
36.60	0.00	8,773	179.31	0.14
36.70	0.00	8,724	179.31	0.14
36.80	0.00	8,675	179.30	0.13
36.90	0.00	8,627	179.29	0.13
37.00	0.00	8,579	179.28	0.13
37.10	0.00	8,531	179.28	0.13
37.20	0.00	8,483	179.27	0.13
37.30	0.00	8,436	179.26	0.13
37.40	0.00	8,389	179.26	0.13
37.50	0.00	8,342	179.25	0.13
37.60	0.00	8,296	179.24	0.13
37.70	0.00	8,249	179.23	0.13
37.80	0.00	8,203	179.23	0.13
37.90	0.00	8,157	179.22	0.13
38.00	0.00	8,112	179.21	0.13
38.10	0.00	8,067	179.21	0.13
38.20	0.00	8,022	179.20	0.12
38.30	0.00	7,977	179.19	0.12
38.40	0.00	7,932	179.19	0.12
38.50	0.00	7,888	179.18	0.12
38.60	0.00	7,844	179.17	0.12
38.70	0.00	7,801	179.17	0.12
38.80	0.00	7,757	179.16	0.12
38.90	0.00	7,714	179.15	0.12
39.00	0.00	7,671	179.15	0.12
39.10	0.00	7,629	179.14	0.12
39.20	0.00	7,586	179.14	0.12
39.30	0.00	7,544	179.13	0.12
39.40	0.00	7,502	179.12	0.12
39.50	0.00	7,461	179.12	0.12
39.60	0.00	7,419	179.11	0.11
39.70	0.00	7,378	179.10	0.11
39.80	0.00	7,337	179.10	0.11
39.90	0.00	7,297	179.09	0.11
40.00	0.00	7,257	179.09	0.11

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896	180.60	6,681	17,371
180.09	6,681	13,963	180.61	6,681	17,437
180.10	6,681	14,030	180.62	6,681	17,504
180.11	6,681	14,097	180.63	6,681	17,571
180.12	6,681	14,164	180.64	6,681	17,638
180.13	6,681	14,231	180.65	6,681	17,705
180.14	6,681	14,297	180.66	6,681	17,771
180.15	6,681	14,364	180.67	6,681	17,838
180.16	6,681	14,431	180.68	6,681	17,905
180.17	6,681	14,498	180.69	6,681	17,972
180.18	6,681	14,565	180.70	6,681	18,039
180.19	6,681	14,631	180.71	6,681	18,106
180.20	6,681	14,698	180.72	6,681	18,172
180.21	6,681	14,765	180.73	6,681	18,239
180.22	6,681	14,832	180.74	6,681	18,306
180.23	6,681	14,899	180.75	6,681	18,373
180.24	6,681	14,965	180.76	6,681	18,440
180.25	6,681	15,032	180.77	6,681	18,506
180.26	6,681	15,099	180.78	6,681	18,573
180.27	6,681	15,166	180.79	6,681	18,640
180.28	6,681	15,233	180.80	6,681	18,707
180.29	6,681	15,299	180.81	6,681	18,774
180.30	6,681	15,366	180.82	6,681	18,840
180.31	6,681	15,433	180.83	6,681	18,907
180.32	6,681	15,500	180.84	6,681	18,974
180.33	6,681	15,567	180.85	6,681	19,041
180.34	6,681	15,634	180.86	6,681	19,108
180.35	6,681	15,700	180.87	6,681	19,174
180.36	6,681	15,767	180.88	6,681	19,241
180.37	6,681	15,834	180.89	6,681	19,308
180.38	6,681	15,901	180.90	6,681	19,375
180.39	6,681	15,968	180.91	6,681	19,442
180.40	6,681	16,034	180.92	6,681	19,509
180.41	6,681	16,101	180.93	6,681	19,575
180.42	6,681	16,168	180.94	6,681	19,642
180.43	6,681	16,235	180.95	6,681	19,709
180.44	6,681	16,302	180.96	6,681	19,776
180.45	6,681	16,368	180.97	6,681	19,843
180.46	6,681	16,435	180.98	6,681	19,909
180.47	6,681	16,502	180.99	6,681	19,976
180.48	6,681	16,569	181.00	6,681	20,043
180.49	6,681	16,636	181.01	6,681	20,110
180.50	6,681	16,703	181.02	6,681	20,177
180.51	6,681	16,769	181.03	6,681	20,243
180.52	6,681	16,836	181.04	6,681	20,310
180.53	6,681	16,903	181.05	6,681	20,377
180.54	6,681	16,970	181.06	6,681	20,444
180.55	6,681	17,037	181.07	6,681	20,511
180.56	6,681	17,103	181.08	6,681	20,577
180.57	6,681	17,170	181.09	6,681	20,644
180.58	6,681	17,237	181.10	6,681	20,711
180.59	6,681	17,304	181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 6.58" for Current 100 yr event
Inflow = 16.10 cfs @ 12.08 hrs, Volume= 1.029 af
Outflow = 7.33 cfs @ 12.17 hrs, Volume= 0.879 af, Atten= 54%, Lag= 5.7 min
Primary = 7.33 cfs @ 12.17 hrs, Volume= 0.879 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.33' @ 12.17 hrs Surf.Area= 6,329 sf Storage= 21,073 cf

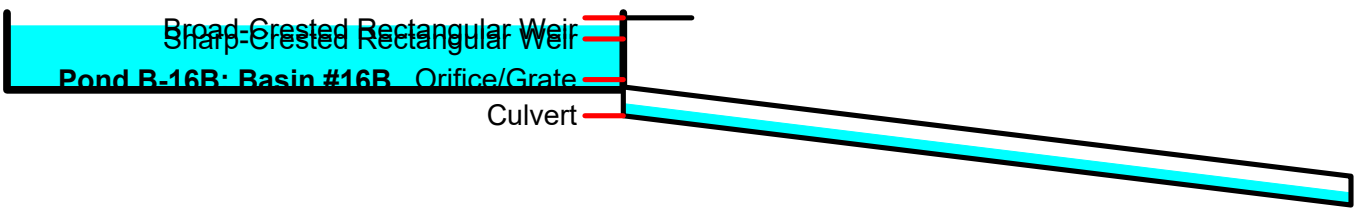
Plug-Flow detention time= 421.9 min calculated for 0.878 af (85% of inflow)
Center-of-Mass det. time= 355.6 min (1,127.7 - 772.1)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

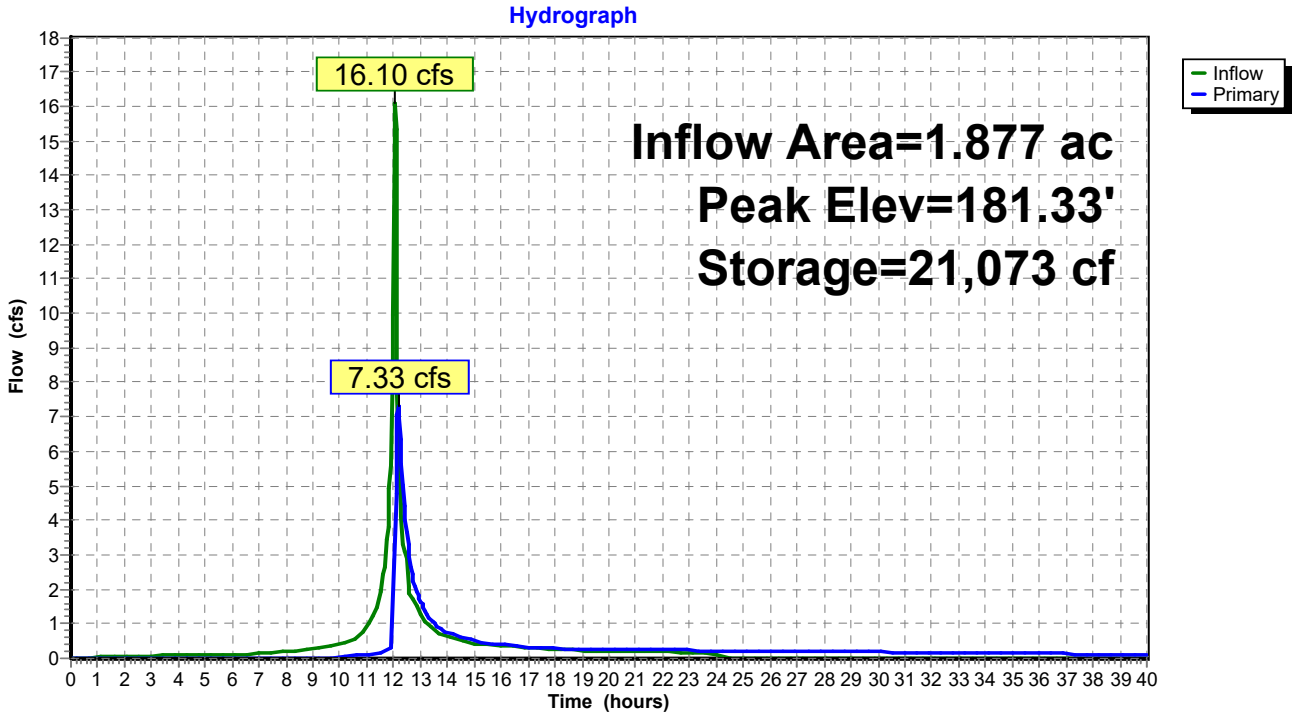
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=7.03 cfs @ 12.17 hrs HW=181.31' (Free Discharge)
- **1=Culvert** (Passes 7.03 cfs of 16.82 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.27 cfs @ 7.87 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 6.76 cfs @ 2.65 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.01	2	178.00	0.00
0.70	0.01	5	178.00	0.00
0.80	0.02	11	178.00	0.00
0.90	0.02	18	178.00	0.00
1.00	0.03	27	178.00	0.00
1.10	0.03	37	178.01	0.00
1.20	0.03	49	178.01	0.00
1.30	0.04	61	178.01	0.00
1.40	0.04	75	178.01	0.00
1.50	0.04	91	178.01	0.00
1.60	0.05	107	178.02	0.00
1.70	0.05	124	178.02	0.00
1.80	0.05	142	178.02	0.00
1.90	0.05	161	178.03	0.00
2.00	0.06	181	178.03	0.00
2.10	0.06	201	178.03	0.00
2.20	0.06	222	178.04	0.00
2.30	0.06	244	178.04	0.00
2.40	0.06	267	178.04	0.00
2.50	0.07	290	178.05	0.00
2.60	0.07	314	178.05	0.00
2.70	0.07	338	178.05	0.00
2.80	0.07	364	178.06	0.00
2.90	0.07	389	178.06	0.00
3.00	0.07	415	178.07	0.00
3.10	0.07	442	178.07	0.00
3.20	0.08	469	178.07	0.00
3.30	0.08	497	178.08	0.00
3.40	0.08	525	178.08	0.00
3.50	0.08	554	178.09	0.00
3.60	0.08	583	178.09	0.00
3.70	0.08	612	178.10	0.00
3.80	0.08	642	178.10	0.00
3.90	0.08	672	178.11	0.00
4.00	0.09	703	178.11	0.00
4.10	0.09	734	178.12	0.00
4.20	0.09	766	178.12	0.00
4.30	0.09	798	178.13	0.00
4.40	0.09	830	178.13	0.00
4.50	0.09	863	178.14	0.00
4.60	0.09	896	178.14	0.00
4.70	0.09	930	178.15	0.00
4.80	0.09	963	178.15	0.00
4.90	0.10	998	178.16	0.00
5.00	0.10	1,032	178.16	0.00
5.10	0.10	1,067	178.17	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	1,102	178.17	0.00
5.30	0.10	1,138	178.18	0.00
5.40	0.10	1,174	178.19	0.00
5.50	0.10	1,210	178.19	0.00
5.60	0.10	1,247	178.20	0.00
5.70	0.10	1,284	178.20	0.00
5.80	0.10	1,321	178.21	0.00
5.90	0.10	1,358	178.21	0.00
6.00	0.11	1,396	178.22	0.00
6.10	0.11	1,435	178.23	0.00
6.20	0.11	1,474	178.23	0.00
6.30	0.11	1,515	178.24	0.00
6.40	0.12	1,557	178.25	0.00
6.50	0.12	1,601	178.25	0.00
6.60	0.13	1,646	178.26	0.00
6.70	0.13	1,693	178.27	0.00
6.80	0.14	1,741	178.28	0.00
6.90	0.14	1,791	178.28	0.00
7.00	0.15	1,843	178.29	0.00
7.10	0.15	1,897	178.30	0.00
7.20	0.16	1,952	178.31	0.00
7.30	0.16	2,008	178.32	0.00
7.40	0.17	2,067	178.33	0.00
7.50	0.17	2,127	178.34	0.00
7.60	0.17	2,190	178.35	0.00
7.70	0.18	2,254	178.36	0.00
7.80	0.19	2,320	178.37	0.00
7.90	0.19	2,387	178.38	0.00
8.00	0.20	2,457	178.39	0.00
8.10	0.20	2,529	178.40	0.00
8.20	0.21	2,603	178.41	0.00
8.30	0.21	2,678	178.42	0.00
8.40	0.22	2,756	178.44	0.00
8.50	0.22	2,835	178.45	0.00
8.60	0.23	2,917	178.46	0.00
8.70	0.24	3,001	178.47	0.00
8.80	0.24	3,087	178.49	0.00
8.90	0.25	3,175	178.50	0.00
9.00	0.25	3,265	178.52	0.00
9.10	0.27	3,360	178.53	0.00
9.20	0.29	3,460	178.55	0.00
9.30	0.30	3,566	178.56	0.00
9.40	0.32	3,677	178.58	0.01
9.50	0.34	3,793	178.60	0.01
9.60	0.36	3,914	178.62	0.01
9.70	0.37	4,040	178.64	0.02
9.80	0.39	4,169	178.66	0.03
9.90	0.41	4,304	178.68	0.03
10.00	0.43	4,442	178.70	0.04
10.10	0.45	4,584	178.72	0.05
10.20	0.47	4,732	178.75	0.06
10.30	0.49	4,884	178.77	0.06

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.51	5,042	178.80	0.07
10.50	0.54	5,206	178.82	0.07
10.60	0.60	5,387	178.85	0.08
10.70	0.67	5,589	178.88	0.08
10.80	0.74	5,815	178.92	0.09
10.90	0.81	6,064	178.96	0.09
11.00	0.89	6,338	179.00	0.10
11.10	1.02	6,650	179.05	0.11
11.20	1.16	7,009	179.11	0.11
11.30	1.30	7,415	179.17	0.12
11.40	1.45	7,870	179.24	0.13
11.50	1.63	8,374	179.32	0.14
11.60	2.46	9,096	179.44	0.15
11.70	2.72	9,974	179.58	0.16
11.80	3.81	11,125	179.76	0.17
11.90	5.59	12,790	180.02	0.19
12.00	9.95	15,642	180.47	0.22
12.10	**15.33**	**19,946**	**181.15**	**4.79**
12.20	5.78	**20,919**	**181.31**	**6.98**
12.30	4.11	20,340	181.21	5.65
12.40	3.08	19,771	181.12	4.42
12.50	2.84	19,389	181.06	3.66
12.60	1.90	19,001	181.00	2.94
12.70	1.77	18,699	180.95	2.42
12.80	1.62	18,495	180.92	2.08
12.90	1.46	18,338	180.90	1.84
13.00	1.31	18,204	180.88	1.64
13.10	1.16	18,082	180.86	1.47
13.20	1.07	17,978	180.84	1.32
13.30	0.99	17,891	180.83	1.21
13.40	0.91	17,811	180.81	1.11
13.50	0.82	17,736	180.80	1.02
13.60	0.75	17,664	180.79	0.93
13.70	0.72	17,604	180.78	0.87
13.80	0.70	17,557	180.77	0.81
13.90	0.68	17,520	180.77	0.77
14.00	0.66	17,488	180.76	0.74
14.10	0.63	17,460	180.76	0.71
14.20	0.61	17,434	180.75	0.68
14.30	0.59	17,408	180.75	0.66
14.40	0.57	17,383	180.75	0.64
14.50	0.55	17,359	180.74	0.61
14.60	0.52	17,335	180.74	0.59
14.70	0.50	17,311	180.74	0.57
14.80	0.48	17,287	180.73	0.55
14.90	0.46	17,263	180.73	0.52
15.00	0.44	17,239	180.72	0.50
15.10	0.42	17,215	180.72	0.48
15.20	0.41	17,194	180.72	0.46
15.30	0.40	17,176	180.71	0.45
15.40	0.40	17,160	180.71	0.44
15.50	0.39	17,146	180.71	0.43

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.39	17,133	180.71	0.42
15.70	0.38	17,121	180.71	0.41
15.80	0.38	17,109	180.70	0.41
15.90	0.37	17,099	180.70	0.40
16.00	0.36	17,089	180.70	0.39
16.10	0.36	17,079	180.70	0.38
16.20	0.35	17,070	180.70	0.38
16.30	0.35	17,060	180.70	0.37
16.40	0.34	17,051	180.69	0.36
16.50	0.33	17,042	180.69	0.36
16.60	0.33	17,034	180.69	0.35
16.70	0.32	17,025	180.69	0.35
16.80	0.32	17,016	180.69	0.34
16.90	0.31	17,008	180.69	0.33
17.00	0.31	16,999	180.69	0.33
17.10	0.30	16,991	180.68	0.32
17.20	0.29	16,982	180.68	0.32
17.30	0.29	16,974	180.68	0.31
17.40	0.28	16,965	180.68	0.30
17.50	0.28	16,956	180.68	0.30
17.60	0.27	16,947	180.68	0.30
17.70	0.26	16,937	180.68	0.29
17.80	0.26	16,926	180.67	0.29
17.90	0.25	16,914	180.67	0.29
18.00	0.25	16,902	180.67	0.28
18.10	0.24	16,889	180.67	0.28
18.20	0.24	16,877	180.67	0.27
18.30	0.24	16,866	180.66	0.27
18.40	0.24	16,856	180.66	0.26
18.50	0.24	16,846	180.66	0.26
18.60	0.23	16,837	180.66	0.26
18.70	0.23	16,829	180.66	0.25
18.80	0.23	16,822	180.66	0.25
18.90	0.23	16,814	180.66	0.25
19.00	0.23	16,808	180.66	0.25
19.10	0.23	16,801	180.65	0.24
19.20	0.22	16,795	180.65	0.24
19.30	0.22	16,789	180.65	0.24
19.40	0.22	16,783	180.65	0.24
19.50	0.22	16,778	180.65	0.24
19.60	0.22	16,773	180.65	0.23
19.70	0.22	16,767	180.65	0.23
19.80	0.22	16,762	180.65	0.23
19.90	0.21	16,756	180.65	0.23
20.00	0.21	16,749	180.65	0.23
20.10	0.21	16,741	180.65	0.23
20.20	0.21	16,734	180.64	0.23
20.30	0.21	16,725	180.64	0.23
20.40	0.21	16,716	180.64	0.23
20.50	0.21	16,707	180.64	0.23
20.60	0.21	16,697	180.64	0.23
20.70	0.20	16,687	180.64	0.23

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	16,676	180.63	0.23
20.90	0.20	16,665	180.63	0.23
21.00	0.20	16,653	180.63	0.23
21.10	0.20	16,641	180.63	0.23
21.20	0.20	16,628	180.63	0.23
21.30	0.20	16,615	180.63	0.23
21.40	0.19	16,601	180.62	0.23
21.50	0.19	16,587	180.62	0.23
21.60	0.19	16,572	180.62	0.23
21.70	0.19	16,557	180.62	0.23
21.80	0.19	16,541	180.61	0.23
21.90	0.19	16,525	180.61	0.23
22.00	0.18	16,509	180.61	0.23
22.10	0.18	16,491	180.61	0.23
22.20	0.18	16,474	180.60	0.23
22.30	0.18	16,456	180.60	0.23
22.40	0.18	16,437	180.60	0.23
22.50	0.18	16,418	180.59	0.23
22.60	0.18	16,399	180.59	0.23
22.70	0.17	16,379	180.59	0.23
22.80	0.17	16,359	180.58	0.23
22.90	0.17	16,338	180.58	0.23
23.00	0.17	16,317	180.58	0.23
23.10	0.17	16,295	180.57	0.23
23.20	0.17	16,272	180.57	0.23
23.30	0.16	16,250	180.57	0.23
23.40	0.16	16,227	180.56	0.23
23.50	0.16	16,203	180.56	0.23
23.60	0.16	16,179	180.56	0.23
23.70	0.16	16,154	180.55	0.23
23.80	0.16	16,129	180.55	0.23
23.90	0.16	16,104	180.54	0.23
24.00	0.17	16,086	180.54	0.23
24.10	0.00	16,027	180.53	0.23
24.20	0.00	15,946	180.52	0.23
24.30	0.00	15,865	180.51	0.22
24.40	0.00	15,784	180.49	0.22
24.50	0.00	15,704	180.48	0.22
24.60	0.00	15,623	180.47	0.22
24.70	0.00	15,544	180.46	0.22
24.80	0.00	15,464	180.44	0.22
24.90	0.00	15,385	180.43	0.22
25.00	0.00	15,306	180.42	0.22
25.10	0.00	15,227	180.41	0.22
25.20	0.00	15,148	180.39	0.22
25.30	0.00	15,070	180.38	0.22
25.40	0.00	14,992	180.37	0.22
25.50	0.00	14,914	180.36	0.22
25.60	0.00	14,837	180.34	0.21
25.70	0.00	14,760	180.33	0.21
25.80	0.00	14,683	180.32	0.21
25.90	0.00	14,606	180.31	0.21

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	14,530	180.30	0.21
26.10	0.00	14,454	180.28	0.21
26.20	0.00	14,378	180.27	0.21
26.30	0.00	14,303	180.26	0.21
26.40	0.00	14,228	180.25	0.21
26.50	0.00	14,153	180.24	0.21
26.60	0.00	14,078	180.22	0.21
26.70	0.00	14,004	180.21	0.21
26.80	0.00	13,930	180.20	0.21
26.90	0.00	13,856	180.19	0.20
27.00	0.00	13,782	180.18	0.20
27.10	0.00	13,709	180.17	0.20
27.20	0.00	13,636	180.15	0.20
27.30	0.00	13,563	180.14	0.20
27.40	0.00	13,491	180.13	0.20
27.50	0.00	13,419	180.12	0.20
27.60	0.00	13,347	180.11	0.20
27.70	0.00	13,275	180.10	0.20
27.80	0.00	13,204	180.09	0.20
27.90	0.00	13,133	180.08	0.20
28.00	0.00	13,062	180.06	0.20
28.10	0.00	12,991	180.05	0.20
28.20	0.00	12,921	180.04	0.19
28.30	0.00	12,851	180.03	0.19
28.40	0.00	12,782	180.02	0.19
28.50	0.00	12,712	180.01	0.19
28.60	0.00	12,643	180.00	0.19
28.70	0.00	12,574	179.99	0.19
28.80	0.00	12,506	179.98	0.19
28.90	0.00	12,437	179.97	0.19
29.00	0.00	12,369	179.95	0.19
29.10	0.00	12,301	179.94	0.19
29.20	0.00	12,234	179.93	0.19
29.30	0.00	12,167	179.92	0.19
29.40	0.00	12,100	179.91	0.19
29.50	0.00	12,033	179.90	0.18
29.60	0.00	11,967	179.89	0.18
29.70	0.00	11,901	179.88	0.18
29.80	0.00	11,835	179.87	0.18
29.90	0.00	11,769	179.86	0.18
30.00	0.00	11,704	179.85	0.18
30.10	0.00	11,639	179.84	0.18
30.20	0.00	11,574	179.83	0.18
30.30	0.00	11,510	179.82	0.18
30.40	0.00	11,446	179.81	0.18
30.50	0.00	11,382	179.80	0.18
30.60	0.00	11,318	179.79	0.18
30.70	0.00	11,255	179.78	0.18
30.80	0.00	11,192	179.77	0.17
30.90	0.00	11,129	179.76	0.17
31.00	0.00	11,067	179.75	0.17
31.10	0.00	11,004	179.74	0.17

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,942	179.73	0.17
31.30	0.00	10,881	179.72	0.17
31.40	0.00	10,819	179.71	0.17
31.50	0.00	10,758	179.70	0.17
31.60	0.00	10,697	179.69	0.17
31.70	0.00	10,637	179.68	0.17
31.80	0.00	10,576	179.67	0.17
31.90	0.00	10,516	179.66	0.17
32.00	0.00	10,457	179.65	0.17
32.10	0.00	10,397	179.64	0.16
32.20	0.00	10,338	179.63	0.16
32.30	0.00	10,279	179.62	0.16
32.40	0.00	10,220	179.61	0.16
32.50	0.00	10,162	179.61	0.16
32.60	0.00	10,104	179.60	0.16
32.70	0.00	10,046	179.59	0.16
32.80	0.00	9,989	179.58	0.16
32.90	0.00	9,931	179.57	0.16
33.00	0.00	9,874	179.56	0.16
33.10	0.00	9,818	179.55	0.16
33.20	0.00	9,761	179.54	0.16
33.30	0.00	9,705	179.53	0.16
33.40	0.00	9,649	179.52	0.15
33.50	0.00	9,593	179.52	0.15
33.60	0.00	9,538	179.51	0.15
33.70	0.00	9,483	179.50	0.15
33.80	0.00	9,428	179.49	0.15
33.90	0.00	9,374	179.48	0.15
34.00	0.00	9,319	179.47	0.15
34.10	0.00	9,265	179.46	0.15
34.20	0.00	9,212	179.46	0.15
34.30	0.00	9,158	179.45	0.15
34.40	0.00	9,105	179.44	0.15
34.50	0.00	9,052	179.43	0.15
34.60	0.00	9,000	179.42	0.15
34.70	0.00	8,948	179.41	0.14
34.80	0.00	8,895	179.41	0.14
34.90	0.00	8,844	179.40	0.14
35.00	0.00	8,792	179.39	0.14
35.10	0.00	8,741	179.38	0.14
35.20	0.00	8,690	179.37	0.14
35.30	0.00	8,639	179.37	0.14
35.40	0.00	8,589	179.36	0.14
35.50	0.00	8,539	179.35	0.14
35.60	0.00	8,489	179.34	0.14
35.70	0.00	8,440	179.33	0.14
35.80	0.00	8,390	179.33	0.14
35.90	0.00	8,341	179.32	0.14
36.00	0.00	8,293	179.31	0.13
36.10	0.00	8,244	179.30	0.13
36.20	0.00	8,196	179.29	0.13
36.30	0.00	8,148	179.29	0.13

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,101	179.28	0.13
36.50	0.00	8,053	179.27	0.13
36.60	0.00	8,006	179.26	0.13
36.70	0.00	7,959	179.26	0.13
36.80	0.00	7,913	179.25	0.13
36.90	0.00	7,867	179.24	0.13
37.00	0.00	7,821	179.24	0.13
37.10	0.00	7,775	179.23	0.13
37.20	0.00	7,730	179.22	0.13
37.30	0.00	7,684	179.21	0.12
37.40	0.00	7,640	179.21	0.12
37.50	0.00	7,595	179.20	0.12
37.60	0.00	7,551	179.19	0.12
37.70	0.00	7,507	179.19	0.12
37.80	0.00	7,463	179.18	0.12
37.90	0.00	7,419	179.17	0.12
38.00	0.00	7,376	179.17	0.12
38.10	0.00	7,333	179.16	0.12
38.20	0.00	7,291	179.15	0.12
38.30	0.00	7,248	179.15	0.12
38.40	0.00	7,206	179.14	0.12
38.50	0.00	7,164	179.13	0.12
38.60	0.00	7,123	179.13	0.12
38.70	0.00	7,081	179.12	0.11
38.80	0.00	7,040	179.11	0.11
38.90	0.00	7,000	179.11	0.11
39.00	0.00	6,959	179.10	0.11
39.10	0.00	6,919	179.09	0.11
39.20	0.00	6,879	179.09	0.11
39.30	0.00	6,840	179.08	0.11
39.40	0.00	6,800	179.07	0.11
39.50	0.00	6,761	179.07	0.11
39.60	0.00	6,722	179.06	0.11
39.70	0.00	6,684	179.06	0.11
39.80	0.00	6,646	179.05	0.11
39.90	0.00	6,608	179.04	0.11
40.00	0.00	6,570	179.04	0.10

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 5.74" for Current 100 yr event
Inflow = 10.53 cfs @ 12.09 hrs, Volume= 0.633 af
Outflow = 0.26 cfs @ 15.72 hrs, Volume= 0.508 af, Atten= 98%, Lag= 217.9 min
Primary = 0.26 cfs @ 15.72 hrs, Volume= 0.508 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.75' @ 15.72 hrs Surf.Area= 8,386 sf Storage= 19,042 cf

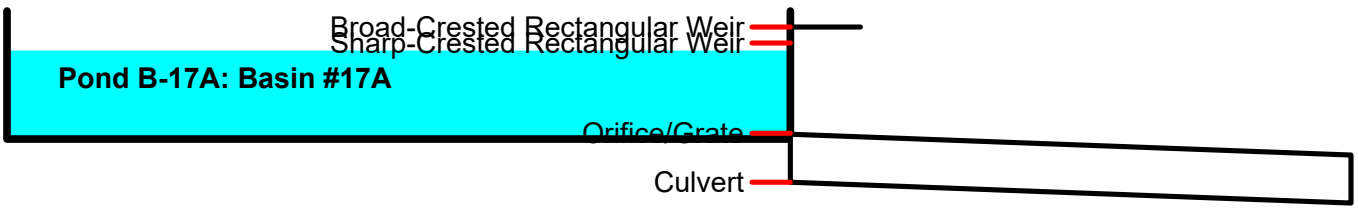
Plug-Flow detention time= 739.4 min calculated for 0.507 af (80% of inflow)
Center-of-Mass det. time= 659.8 min (1,458.1 - 798.3)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

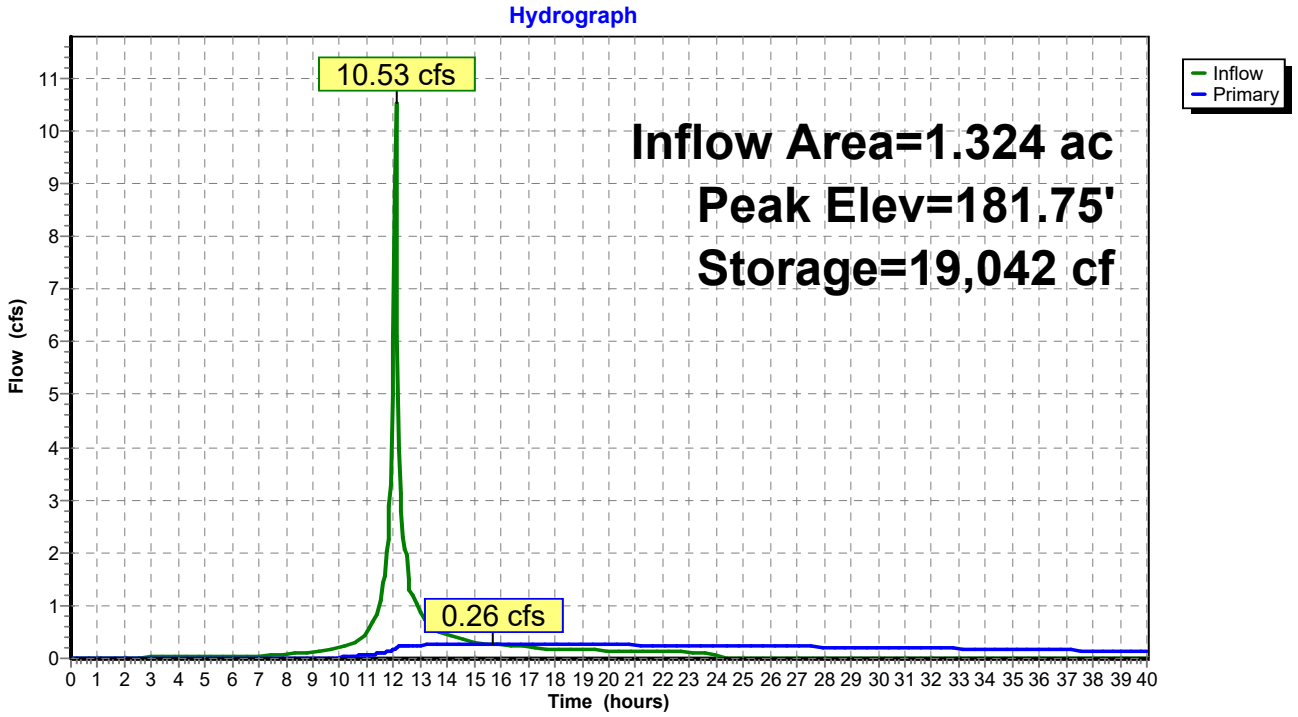
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.26 cfs @ 15.72 hrs HW=181.75' (Free Discharge)
- **1=Culvert** (Passes 0.26 cfs of 15.58 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.26 cfs @ 7.57 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	1	179.00	0.00
0.80	0.00	3	179.00	0.00
0.90	0.01	4	179.00	0.00
1.00	0.01	6	179.00	0.00
1.10	0.01	9	179.00	0.00
1.20	0.01	11	179.00	0.00
1.30	0.01	14	179.00	0.00
1.40	0.01	18	179.00	0.00
1.50	0.01	21	179.00	0.00
1.60	0.01	25	179.00	0.00
1.70	0.01	29	179.01	0.00
1.80	0.01	33	179.01	0.00
1.90	0.01	38	179.01	0.00
2.00	0.01	43	179.01	0.00
2.10	0.01	47	179.01	0.00
2.20	0.01	52	179.01	0.00
2.30	0.01	58	179.01	0.00
2.40	0.01	63	179.01	0.00
2.50	0.02	68	179.01	0.00
2.60	0.02	74	179.01	0.00
2.70	0.02	80	179.01	0.00
2.80	0.02	86	179.02	0.00
2.90	0.02	92	179.02	0.00
3.00	0.02	98	179.02	0.00
3.10	0.02	104	179.02	0.00
3.20	0.02	110	179.02	0.00
3.30	0.02	117	179.02	0.00
3.40	0.02	123	179.02	0.00
3.50	0.02	130	179.02	0.00
3.60	0.02	137	179.02	0.00
3.70	0.02	144	179.03	0.00
3.80	0.02	151	179.03	0.00
3.90	0.02	158	179.03	0.00
4.00	0.02	165	179.03	0.00
4.10	0.02	173	179.03	0.00
4.20	0.02	180	179.03	0.00
4.30	0.02	188	179.03	0.00
4.40	0.02	195	179.04	0.00
4.50	0.02	203	179.04	0.00
4.60	0.02	211	179.04	0.00
4.70	0.02	219	179.04	0.00
4.80	0.02	227	179.04	0.00
4.90	0.02	235	179.04	0.00
5.00	0.02	243	179.04	0.00
5.10	0.02	251	179.05	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	259	179.05	0.00
5.30	0.02	268	179.05	0.00
5.40	0.02	276	179.05	0.00
5.50	0.02	285	179.05	0.00
5.60	0.02	293	179.05	0.00
5.70	0.02	302	179.05	0.00
5.80	0.02	311	179.06	0.00
5.90	0.02	319	179.06	0.00
6.00	0.02	328	179.06	0.00
6.10	0.03	337	179.06	0.00
6.20	0.03	347	179.06	0.00
6.30	0.03	356	179.06	0.00
6.40	0.03	367	179.07	0.00
6.50	0.03	377	179.07	0.00
6.60	0.03	389	179.07	0.00
6.70	0.04	402	179.07	0.00
6.80	0.04	415	179.07	0.00
6.90	0.04	429	179.08	0.00
7.00	0.04	445	179.08	0.00
7.10	0.05	461	179.08	0.00
7.20	0.05	478	179.09	0.00
7.30	0.05	496	179.09	0.00
7.40	0.05	515	179.09	0.00
7.50	0.06	535	179.10	0.00
7.60	0.06	557	179.10	0.00
7.70	0.06	579	179.10	0.00
7.80	0.07	602	179.11	0.00
7.90	0.07	627	179.11	0.00
8.00	0.07	653	179.12	0.00
8.10	0.08	680	179.12	0.00
8.20	0.08	708	179.13	0.00
8.30	0.08	738	179.13	0.00
8.40	0.09	768	179.14	0.00
8.50	0.09	801	179.14	0.00
8.60	0.09	834	179.15	0.00
8.70	0.10	869	179.16	0.00
8.80	0.10	905	179.16	0.00
8.90	0.11	942	179.17	0.00
9.00	0.11	981	179.18	0.00
9.10	0.12	1,023	179.18	0.00
9.20	0.13	1,067	179.19	0.00
9.30	0.14	1,115	179.20	0.00
9.40	0.15	1,165	179.21	0.00
9.50	0.16	1,219	179.22	0.00
9.60	0.17	1,276	179.23	0.00
9.70	0.18	1,336	179.24	0.01
9.80	0.19	1,399	179.25	0.01
9.90	0.20	1,466	179.26	0.01
10.00	0.21	1,535	179.27	0.02
10.10	0.22	1,608	179.28	0.02
10.20	0.24	1,683	179.30	0.02
10.30	0.25	1,761	179.31	0.03

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	1,843	179.33	0.03
10.50	0.28	1,927	179.34	0.04
10.60	0.31	2,020	179.36	0.04
10.70	0.35	2,124	179.37	0.05
10.80	0.40	2,242	179.39	0.05
10.90	0.44	2,373	179.42	0.06
11.00	0.49	2,518	179.44	0.06
11.10	0.56	2,684	179.47	0.07
11.20	0.65	2,878	179.50	0.08
11.30	0.74	3,100	179.54	0.08
11.40	0.83	3,353	179.58	0.09
11.50	0.92	3,635	179.62	0.10
11.60	1.44	4,039	179.69	0.10
11.70	1.59	4,549	179.77	0.11
11.80	2.26	5,215	179.88	0.13
11.90	3.30	6,189	180.03	0.14
12.00	5.99	7,868	180.28	0.16
12.10	**10.36**	10,879	180.71	0.20
12.20	3.95	13,194	181.02	0.22
12.30	2.79	14,284	181.16	0.23
12.40	2.06	15,052	181.26	0.23
12.50	1.95	15,686	181.34	0.24
12.60	1.28	16,162	181.40	0.24
12.70	1.19	16,518	181.45	0.24
12.80	1.09	16,840	181.49	0.24
12.90	0.99	17,124	181.52	0.25
13.00	0.89	17,370	181.55	0.25
13.10	0.78	17,579	181.58	0.25
13.20	0.73	17,759	181.60	0.25
13.30	0.67	17,920	181.62	0.25
13.40	0.62	18,059	181.64	0.25
13.50	0.56	18,179	181.65	0.25
13.60	0.50	18,278	181.66	0.25
13.70	0.49	18,365	181.67	0.25
13.80	0.47	18,446	181.68	0.25
13.90	0.46	18,522	181.69	0.25
14.00	0.45	18,593	181.70	0.26
14.10	0.43	18,658	181.71	0.26
14.20	0.42	18,718	181.72	0.26
14.30	0.40	18,773	181.72	0.26
14.40	0.39	18,822	181.73	0.26
14.50	0.37	18,866	181.73	0.26
14.60	0.36	18,904	181.74	0.26
14.70	0.34	18,937	181.74	0.26
14.80	0.33	18,964	181.74	0.26
14.90	0.31	18,987	181.75	0.26
15.00	0.30	19,003	181.75	0.26
15.10	0.28	19,014	181.75	0.26
15.20	0.28	19,023	181.75	0.26
15.30	0.27	19,029	181.75	0.26
15.40	0.27	19,035	181.75	0.26
15.50	0.27	19,039	181.75	0.26

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.26	19,041	181.75	0.26
15.70	0.26	**19,042**	**181.75**	**0.26**
15.80	0.26	19,042	181.75	0.26
15.90	0.25	19,040	181.75	0.26
16.00	0.25	19,037	181.75	0.26
16.10	0.24	19,033	181.75	0.26
16.20	0.24	19,027	181.75	0.26
16.30	0.24	19,020	181.75	0.26
16.40	0.23	19,011	181.75	0.26
16.50	0.23	19,001	181.75	0.26
16.60	0.22	18,989	181.75	0.26
16.70	0.22	18,976	181.75	0.26
16.80	0.22	18,962	181.74	0.26
16.90	0.21	18,946	181.74	0.26
17.00	0.21	18,929	181.74	0.26
17.10	0.20	18,911	181.74	0.26
17.20	0.20	18,891	181.74	0.26
17.30	0.20	18,870	181.73	0.26
17.40	0.19	18,847	181.73	0.26
17.50	0.19	18,823	181.73	0.26
17.60	0.18	18,798	181.72	0.26
17.70	0.18	18,771	181.72	0.26
17.80	0.18	18,743	181.72	0.26
17.90	0.17	18,714	181.71	0.26
18.00	0.17	18,683	181.71	0.26
18.10	0.16	18,651	181.71	0.26
18.20	0.16	18,618	181.70	0.26
18.30	0.16	18,584	181.70	0.26
18.40	0.16	18,551	181.70	0.25
18.50	0.16	18,517	181.69	0.25
18.60	0.16	18,483	181.69	0.25
18.70	0.16	18,448	181.68	0.25
18.80	0.16	18,414	181.68	0.25
18.90	0.16	18,379	181.67	0.25
19.00	0.16	18,344	181.67	0.25
19.10	0.15	18,308	181.67	0.25
19.20	0.15	18,273	181.66	0.25
19.30	0.15	18,237	181.66	0.25
19.40	0.15	18,200	181.65	0.25
19.50	0.15	18,164	181.65	0.25
19.60	0.15	18,127	181.64	0.25
19.70	0.15	18,090	181.64	0.25
19.80	0.15	18,053	181.64	0.25
19.90	0.15	18,015	181.63	0.25
20.00	0.15	17,977	181.63	0.25
20.10	0.14	17,939	181.62	0.25
20.20	0.14	17,901	181.62	0.25
20.30	0.14	17,862	181.61	0.25
20.40	0.14	17,823	181.61	0.25
20.50	0.14	17,784	181.60	0.25
20.60	0.14	17,744	181.60	0.25
20.70	0.14	17,705	181.59	0.25

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	17,665	181.59	0.25
20.90	0.14	17,624	181.58	0.25
21.00	0.14	17,584	181.58	0.25
21.10	0.13	17,543	181.57	0.25
21.20	0.13	17,502	181.57	0.25
21.30	0.13	17,461	181.56	0.25
21.40	0.13	17,419	181.56	0.25
21.50	0.13	17,377	181.55	0.25
21.60	0.13	17,335	181.55	0.25
21.70	0.13	17,293	181.54	0.25
21.80	0.13	17,251	181.54	0.25
21.90	0.13	17,208	181.53	0.25
22.00	0.13	17,165	181.53	0.25
22.10	0.12	17,121	181.52	0.25
22.20	0.12	17,078	181.52	0.25
22.30	0.12	17,034	181.51	0.24
22.40	0.12	16,990	181.51	0.24
22.50	0.12	16,945	181.50	0.24
22.60	0.12	16,901	181.49	0.24
22.70	0.12	16,856	181.49	0.24
22.80	0.12	16,811	181.48	0.24
22.90	0.12	16,765	181.48	0.24
23.00	0.12	16,720	181.47	0.24
23.10	0.11	16,674	181.47	0.24
23.20	0.11	16,628	181.46	0.24
23.30	0.11	16,581	181.45	0.24
23.40	0.11	16,535	181.45	0.24
23.50	0.11	16,488	181.44	0.24
23.60	0.11	16,441	181.44	0.24
23.70	0.11	16,393	181.43	0.24
23.80	0.11	16,346	181.43	0.24
23.90	0.11	16,298	181.42	0.24
24.00	0.13	16,255	181.41	0.24
24.10	0.00	16,189	181.41	0.24
24.20	0.00	16,103	181.40	0.24
24.30	0.00	16,017	181.38	0.24
24.40	0.00	15,932	181.37	0.24
24.50	0.00	15,846	181.36	0.24
24.60	0.00	15,761	181.35	0.24
24.70	0.00	15,676	181.34	0.24
24.80	0.00	15,592	181.33	0.23
24.90	0.00	15,507	181.32	0.23
25.00	0.00	15,423	181.31	0.23
25.10	0.00	15,339	181.30	0.23
25.20	0.00	15,255	181.29	0.23
25.30	0.00	15,172	181.28	0.23
25.40	0.00	15,089	181.27	0.23
25.50	0.00	15,005	181.26	0.23
25.60	0.00	14,923	181.25	0.23
25.70	0.00	14,840	181.24	0.23
25.80	0.00	14,758	181.22	0.23
25.90	0.00	14,675	181.21	0.23

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	14,593	181.20	0.23
26.10	0.00	14,512	181.19	0.23
26.20	0.00	14,430	181.18	0.23
26.30	0.00	14,349	181.17	0.23
26.40	0.00	14,268	181.16	0.22
26.50	0.00	14,187	181.15	0.22
26.60	0.00	14,106	181.14	0.22
26.70	0.00	14,026	181.13	0.22
26.80	0.00	13,946	181.12	0.22
26.90	0.00	13,866	181.11	0.22
27.00	0.00	13,786	181.10	0.22
27.10	0.00	13,707	181.09	0.22
27.20	0.00	13,627	181.08	0.22
27.30	0.00	13,548	181.07	0.22
27.40	0.00	13,469	181.06	0.22
27.50	0.00	13,391	181.05	0.22
27.60	0.00	13,312	181.04	0.22
27.70	0.00	13,234	181.03	0.22
27.80	0.00	13,156	181.02	0.22
27.90	0.00	13,079	181.01	0.22
28.00	0.00	13,001	181.00	0.21
28.10	0.00	12,924	180.99	0.21
28.20	0.00	12,847	180.98	0.21
28.30	0.00	12,771	180.97	0.21
28.40	0.00	12,694	180.96	0.21
28.50	0.00	12,618	180.94	0.21
28.60	0.00	12,542	180.93	0.21
28.70	0.00	12,466	180.92	0.21
28.80	0.00	12,390	180.91	0.21
28.90	0.00	12,315	180.90	0.21
29.00	0.00	12,240	180.89	0.21
29.10	0.00	12,165	180.88	0.21
29.20	0.00	12,090	180.87	0.21
29.30	0.00	12,016	180.86	0.21
29.40	0.00	11,942	180.85	0.21
29.50	0.00	11,868	180.84	0.21
29.60	0.00	11,794	180.83	0.20
29.70	0.00	11,721	180.82	0.20
29.80	0.00	11,648	180.81	0.20
29.90	0.00	11,575	180.80	0.20
30.00	0.00	11,502	180.79	0.20
30.10	0.00	11,429	180.78	0.20
30.20	0.00	11,357	180.77	0.20
30.30	0.00	11,285	180.76	0.20
30.40	0.00	11,213	180.76	0.20
30.50	0.00	11,142	180.75	0.20
30.60	0.00	11,071	180.74	0.20
30.70	0.00	11,000	180.73	0.20
30.80	0.00	10,929	180.72	0.20
30.90	0.00	10,858	180.71	0.20
31.00	0.00	10,788	180.70	0.20
31.10	0.00	10,718	180.69	0.19

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,648	180.68	0.19
31.30	0.00	10,578	180.67	0.19
31.40	0.00	10,509	180.66	0.19
31.50	0.00	10,440	180.65	0.19
31.60	0.00	10,371	180.64	0.19
31.70	0.00	10,302	180.63	0.19
31.80	0.00	10,234	180.62	0.19
31.90	0.00	10,166	180.61	0.19
32.00	0.00	10,098	180.60	0.19
32.10	0.00	10,030	180.59	0.19
32.20	0.00	9,963	180.58	0.19
32.30	0.00	9,895	180.57	0.19
32.40	0.00	9,829	180.56	0.19
32.50	0.00	9,762	180.55	0.18
32.60	0.00	9,695	180.54	0.18
32.70	0.00	9,629	180.53	0.18
32.80	0.00	9,563	180.52	0.18
32.90	0.00	9,498	180.52	0.18
33.00	0.00	9,432	180.51	0.18
33.10	0.00	9,367	180.50	0.18
33.20	0.00	9,302	180.49	0.18
33.30	0.00	9,237	180.48	0.18
33.40	0.00	9,173	180.47	0.18
33.50	0.00	9,109	180.46	0.18
33.60	0.00	9,045	180.45	0.18
33.70	0.00	8,981	180.44	0.18
33.80	0.00	8,918	180.43	0.18
33.90	0.00	8,854	180.42	0.18
34.00	0.00	8,791	180.41	0.17
34.10	0.00	8,729	180.41	0.17
34.20	0.00	8,666	180.40	0.17
34.30	0.00	8,604	180.39	0.17
34.40	0.00	8,542	180.38	0.17
34.50	0.00	8,480	180.37	0.17
34.60	0.00	8,419	180.36	0.17
34.70	0.00	8,358	180.35	0.17
34.80	0.00	8,297	180.34	0.17
34.90	0.00	8,236	180.33	0.17
35.00	0.00	8,176	180.33	0.17
35.10	0.00	8,116	180.32	0.17
35.20	0.00	8,056	180.31	0.17
35.30	0.00	7,996	180.30	0.17
35.40	0.00	7,937	180.29	0.16
35.50	0.00	7,878	180.28	0.16
35.60	0.00	7,819	180.27	0.16
35.70	0.00	7,760	180.26	0.16
35.80	0.00	7,702	180.26	0.16
35.90	0.00	7,644	180.25	0.16
36.00	0.00	7,586	180.24	0.16
36.10	0.00	7,528	180.23	0.16
36.20	0.00	7,471	180.22	0.16
36.30	0.00	7,414	180.21	0.16

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,357	180.20	0.16
36.50	0.00	7,300	180.20	0.16
36.60	0.00	7,244	180.19	0.16
36.70	0.00	7,188	180.18	0.16
36.80	0.00	7,132	180.17	0.15
36.90	0.00	7,077	180.16	0.15
37.00	0.00	7,021	180.15	0.15
37.10	0.00	6,966	180.15	0.15
37.20	0.00	6,912	180.14	0.15
37.30	0.00	6,857	180.13	0.15
37.40	0.00	6,803	180.12	0.15
37.50	0.00	6,749	180.11	0.15
37.60	0.00	6,695	180.11	0.15
37.70	0.00	6,642	180.10	0.15
37.80	0.00	6,589	180.09	0.15
37.90	0.00	6,536	180.08	0.15
38.00	0.00	6,483	180.07	0.15
38.10	0.00	6,431	180.07	0.15
38.20	0.00	6,379	180.06	0.14
38.30	0.00	6,327	180.05	0.14
38.40	0.00	6,276	180.04	0.14
38.50	0.00	6,224	180.03	0.14
38.60	0.00	6,173	180.03	0.14
38.70	0.00	6,123	180.02	0.14
38.80	0.00	6,072	180.01	0.14
38.90	0.00	6,022	180.00	0.14
39.00	0.00	5,972	179.99	0.14
39.10	0.00	5,922	179.99	0.14
39.20	0.00	5,873	179.98	0.14
39.30	0.00	5,824	179.97	0.14
39.40	0.00	5,775	179.96	0.14
39.50	0.00	5,726	179.96	0.13
39.60	0.00	5,678	179.95	0.13
39.70	0.00	5,630	179.94	0.13
39.80	0.00	5,582	179.93	0.13
39.90	0.00	5,535	179.93	0.13
40.00	0.00	5,487	179.92	0.13

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0
179.01	5,518	55
179.02	5,528	110
179.03	5,538	166
179.04	5,548	221
179.05	5,558	277
179.06	5,568	332
179.07	5,578	388
179.08	5,588	444
179.09	5,597	500
179.10	5,607	556
179.11	5,617	612
179.12	5,627	668
179.13	5,637	724
179.14	5,647	781
179.15	5,657	837
179.16	5,667	894
179.17	5,677	951
179.18	5,687	1,008
179.19	5,697	1,064
179.20	5,707	1,121
179.21	5,717	1,179
179.22	5,727	1,236
179.23	5,737	1,293
179.24	5,747	1,351
179.25	5,757	1,408
179.26	5,766	1,466
179.27	5,776	1,523
179.28	5,786	1,581
179.29	5,796	1,639
179.30	5,806	1,697
179.31	5,816	1,755
179.32	5,826	1,813
179.33	5,836	1,872
179.34	5,846	1,930
179.35	5,856	1,989
179.36	5,866	2,047
179.37	5,876	2,106
179.38	5,886	2,165
179.39	5,896	2,224
179.40	5,906	2,283
179.41	5,916	2,342
179.42	5,925	2,401
179.43	5,935	2,460
179.44	5,945	2,520
179.45	5,955	2,579
179.46	5,965	2,639
179.47	5,975	2,699
179.48	5,985	2,758
179.49	5,995	2,818
179.50	6,005	2,878
179.51	6,015	2,938
179.52	6,025	2,999
179.53	6,035	3,059
179.54	6,045	3,119
179.55	6,055	3,180
179.56	6,065	3,240
179.57	6,075	3,301
179.58	6,085	3,362
179.59	6,094	3,423
179.60	6,104	3,484
179.61	6,114	3,545
179.62	6,124	3,606
179.63	6,134	3,667
179.64	6,144	3,729
179.65	6,154	3,790
179.66	6,164	3,852
179.67	6,174	3,913
179.68	6,184	3,975
179.69	6,194	4,037
179.70	6,204	4,099
179.71	6,214	4,161
179.72	6,224	4,223
179.73	6,234	4,286
179.74	6,244	4,348
179.75	6,254	4,411
179.76	6,263	4,473
179.77	6,273	4,536
179.78	6,283	4,599
179.79	6,293	4,661
179.80	6,303	4,724
179.81	6,313	4,788
179.82	6,323	4,851
179.83	6,333	4,914
179.84	6,343	4,977
179.85	6,353	5,041
179.86	6,363	5,104
179.87	6,373	5,168
179.88	6,383	5,232
179.89	6,393	5,296
179.90	6,403	5,360
179.91	6,413	5,424
179.92	6,422	5,488
179.93	6,432	5,552
179.94	6,442	5,617
179.95	6,452	5,681
179.96	6,462	5,746
179.97	6,472	5,810
179.98	6,482	5,875
179.99	6,492	5,940
180.00	6,502	6,005
180.01	6,512	6,070
180.02	6,523	6,135
180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640
181.09	7,652	13,716
181.10	7,663	13,793
181.11	7,674	13,869
181.12	7,685	13,946
181.13	7,696	14,023
181.14	7,707	14,100
181.15	7,718	14,177
181.16	7,729	14,254
181.17	7,740	14,332
181.18	7,751	14,409
181.19	7,762	14,487
181.20	7,773	14,565
181.21	7,784	14,642
181.22	7,795	14,720
181.23	7,806	14,798
181.24	7,817	14,876
181.25	7,829	14,955
181.26	7,840	15,033
181.27	7,851	15,111
181.28	7,862	15,190
181.29	7,873	15,269
181.30	7,884	15,347
181.31	7,895	15,426
181.32	7,906	15,505
181.33	7,917	15,584
181.34	7,928	15,664
181.35	7,939	15,743
181.36	7,950	15,822
181.37	7,961	15,902
181.38	7,972	15,982
181.39	7,983	16,061
181.40	7,994	16,141
181.41	8,005	16,221
181.42	8,017	16,301
181.43	8,028	16,382
181.44	8,039	16,462
181.45	8,050	16,542
181.46	8,061	16,623
181.47	8,072	16,704
181.48	8,083	16,784
181.49	8,094	16,865
181.50	8,105	16,946
181.51	8,116	17,027
181.52	8,127	17,109
181.53	8,138	17,190
181.54	8,149	17,271
181.55	8,160	17,353
181.56	8,171	17,435
181.57	8,182	17,516
181.58	8,193	17,598
181.59	8,205	17,680
181.60	8,216	17,762
181.61	8,227	17,844
181.62	8,238	17,927
181.63	8,249	18,009
181.64	8,260	18,092
181.65	8,271	18,174
181.66	8,282	18,257
181.67	8,293	18,340
181.68	8,304	18,423
181.69	8,315	18,506
181.70	8,326	18,589
181.71	8,337	18,673
181.72	8,348	18,756
181.73	8,359	18,840
181.74	8,370	18,923
181.75	8,382	19,007
181.76	8,393	19,091
181.77	8,404	19,175
181.78	8,415	19,259
181.79	8,426	19,343
181.80	8,437	19,428
181.81	8,448	19,512
181.82	8,459	19,596
181.83	8,470	19,681
181.84	8,481	19,766
181.85	8,492	19,851
181.86	8,503	19,936
181.87	8,514	20,021
181.88	8,525	20,106
181.89	8,536	20,191
181.90	8,547	20,277
181.91	8,558	20,362
181.92	8,570	20,448
181.93	8,581	20,534
181.94	8,592	20,620
181.95	8,603	20,705
181.96	8,614	20,792
181.97	8,625	20,878
181.98	8,636	20,964
181.99	8,647	21,050
182.00	8,658	21,137
182.01	8,670	21,224
182.02	8,681	21,310
182.03	8,693	21,397
182.04	8,705	21,484
182.05	8,716	21,571
182.06	8,728	21,659
182.07	8,739	21,746
182.08	8,751	21,833
182.09	8,763	21,921
182.10	8,774	22,009
182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 6.39" for Current 100 yr event
Inflow = 11.60 cfs @ 12.09 hrs, Volume= 0.737 af
Outflow = 0.49 cfs @ 13.96 hrs, Volume= 0.537 af, Atten= 96%, Lag= 112.5 min
Primary = 0.49 cfs @ 13.96 hrs, Volume= 0.537 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.62' @ 13.96 hrs Surf.Area= 10,068 sf Storage= 22,077 cf

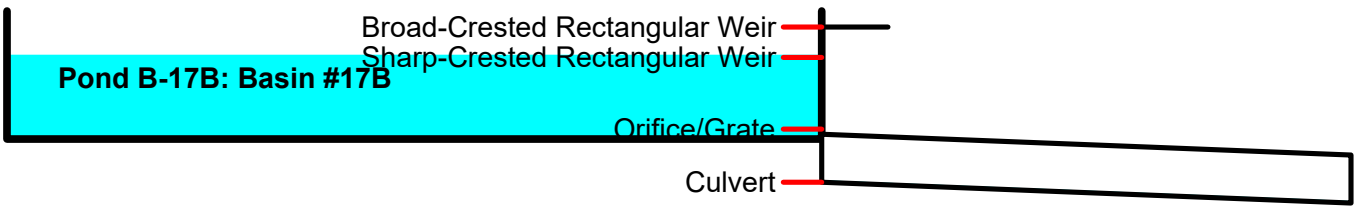
Plug-Flow detention time= 737.5 min calculated for 0.537 af (73% of inflow)
Center-of-Mass det. time= 644.1 min (1,422.3 - 778.2)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

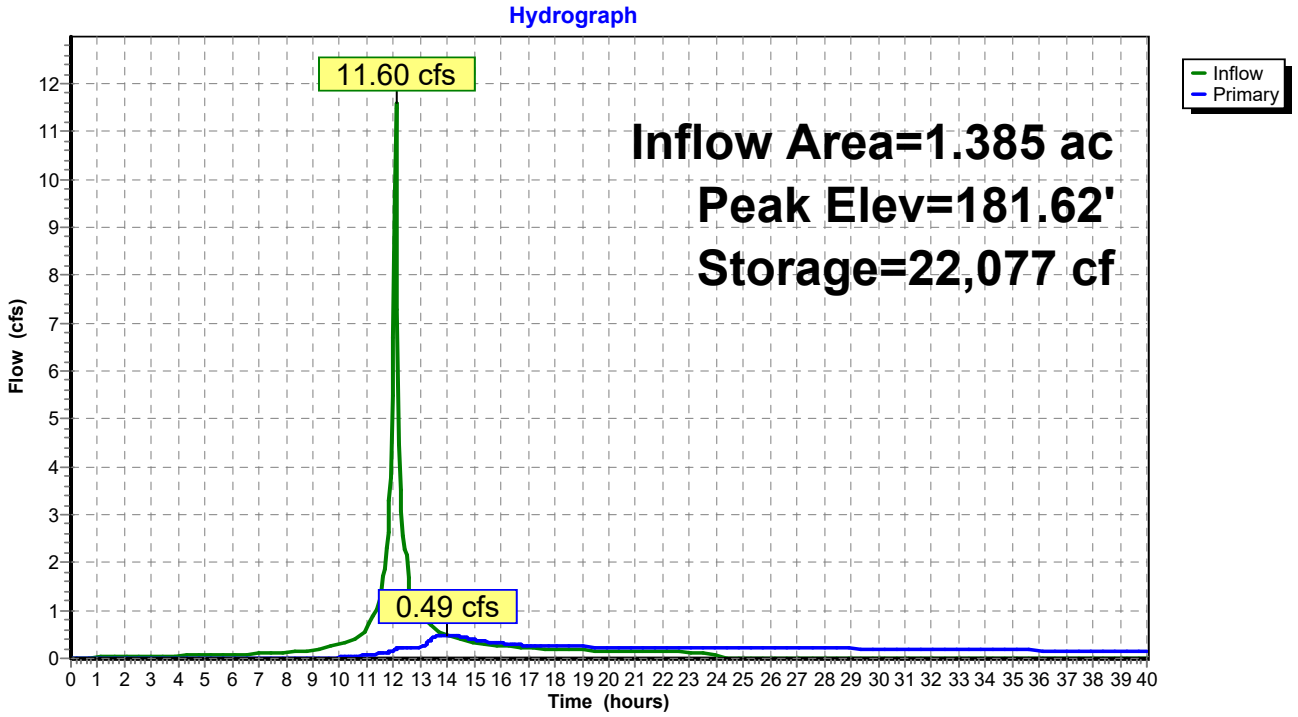
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.48 cfs @ 13.96 hrs HW=181.62' (Free Discharge)
- **1=Culvert** (Passes 0.48 cfs of 15.27 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.24 cfs @ 7.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.24 cfs @ 0.86 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	1	179.00	0.00
0.70	0.01	3	179.00	0.00
0.80	0.01	7	179.00	0.00
0.90	0.01	11	179.00	0.00
1.00	0.02	17	179.00	0.00
1.10	0.02	23	179.00	0.00
1.20	0.02	30	179.00	0.00
1.30	0.02	38	179.01	0.00
1.40	0.03	47	179.01	0.00
1.50	0.03	56	179.01	0.00
1.60	0.03	67	179.01	0.00
1.70	0.03	77	179.01	0.00
1.80	0.03	89	179.01	0.00
1.90	0.03	100	179.01	0.00
2.00	0.03	113	179.02	0.00
2.10	0.04	126	179.02	0.00
2.20	0.04	139	179.02	0.00
2.30	0.04	153	179.02	0.00
2.40	0.04	167	179.02	0.00
2.50	0.04	181	179.03	0.00
2.60	0.04	196	179.03	0.00
2.70	0.04	211	179.03	0.00
2.80	0.04	227	179.03	0.00
2.90	0.04	243	179.04	0.00
3.00	0.05	260	179.04	0.00
3.10	0.05	276	179.04	0.00
3.20	0.05	293	179.04	0.00
3.30	0.05	310	179.05	0.00
3.40	0.05	328	179.05	0.00
3.50	0.05	346	179.05	0.00
3.60	0.05	364	179.05	0.00
3.70	0.05	383	179.06	0.00
3.80	0.05	401	179.06	0.00
3.90	0.05	420	179.06	0.00
4.00	0.05	440	179.06	0.00
4.10	0.05	459	179.07	0.00
4.20	0.06	479	179.07	0.00
4.30	0.06	499	179.07	0.00
4.40	0.06	519	179.08	0.00
4.50	0.06	540	179.08	0.00
4.60	0.06	560	179.08	0.00
4.70	0.06	581	179.08	0.00
4.80	0.06	603	179.09	0.00
4.90	0.06	624	179.09	0.00
5.00	0.06	646	179.09	0.00
5.10	0.06	667	179.10	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	689	179.10	0.00
5.30	0.06	712	179.10	0.00
5.40	0.06	734	179.11	0.00
5.50	0.06	757	179.11	0.00
5.60	0.06	780	179.11	0.00
5.70	0.06	803	179.12	0.00
5.80	0.07	826	179.12	0.00
5.90	0.07	850	179.12	0.00
6.00	0.07	873	179.13	0.00
6.10	0.07	898	179.13	0.00
6.20	0.07	922	179.13	0.00
6.30	0.07	948	179.14	0.00
6.40	0.07	974	179.14	0.00
6.50	0.08	1,002	179.14	0.00
6.60	0.08	1,030	179.15	0.00
6.70	0.08	1,060	179.15	0.00
6.80	0.09	1,090	179.16	0.00
6.90	0.09	1,122	179.16	0.00
7.00	0.09	1,155	179.17	0.00
7.10	0.10	1,189	179.17	0.00
7.20	0.10	1,224	179.18	0.00
7.30	0.10	1,261	179.18	0.00
7.40	0.11	1,299	179.19	0.00
7.50	0.11	1,338	179.19	0.00
7.60	0.11	1,378	179.20	0.00
7.70	0.12	1,420	179.20	0.00
7.80	0.12	1,463	179.21	0.00
7.90	0.13	1,507	179.22	0.00
8.00	0.13	1,553	179.22	0.00
8.10	0.13	1,600	179.23	0.00
8.20	0.14	1,649	179.24	0.00
8.30	0.14	1,699	179.24	0.00
8.40	0.14	1,750	179.25	0.00
8.50	0.15	1,803	179.26	0.00
8.60	0.15	1,857	179.26	0.00
8.70	0.16	1,913	179.27	0.00
8.80	0.16	1,970	179.28	0.00
8.90	0.17	2,029	179.29	0.00
9.00	0.17	2,090	179.30	0.00
9.10	0.18	2,153	179.31	0.00
9.20	0.19	2,221	179.32	0.00
9.30	0.20	2,292	179.33	0.00
9.40	0.22	2,367	179.34	0.00
9.50	0.23	2,447	179.35	0.00
9.60	0.24	2,530	179.36	0.00
9.70	0.25	2,617	179.37	0.01
9.80	0.27	2,708	179.38	0.01
9.90	0.28	2,803	179.40	0.01
10.00	0.29	2,901	179.41	0.02
10.10	0.31	3,003	179.42	0.02
10.20	0.32	3,108	179.44	0.03
10.30	0.34	3,217	179.45	0.03

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.35	3,329	179.47	0.04
10.50	0.37	3,444	179.48	0.04
10.60	0.41	3,570	179.50	0.05
10.70	0.46	3,710	179.52	0.05
10.80	0.51	3,866	179.54	0.06
10.90	0.56	4,039	179.56	0.06
11.00	0.62	4,229	179.59	0.07
11.10	0.71	4,443	179.62	0.07
11.20	0.81	4,691	179.65	0.08
11.30	0.91	4,972	179.68	0.09
11.40	1.01	5,287	179.73	0.09
11.50	1.11	5,636	179.77	0.10
11.60	1.72	6,120	179.83	0.11
11.70	1.88	6,732	179.91	0.12
11.80	2.63	7,512	180.01	0.13
11.90	3.77	8,632	180.15	0.14
12.00	6.71	10,511	180.37	0.16
12.10	**11.48**	13,823	180.75	0.19
12.20	4.46	16,497	181.04	0.21
12.30	3.08	17,734	181.17	0.22
12.40	2.27	18,597	181.27	0.22
12.50	2.13	19,304	181.34	0.23
12.60	1.41	19,844	181.39	0.23
12.70	1.30	20,245	181.43	0.23
12.80	1.19	20,607	181.47	0.24
12.90	1.08	20,928	181.50	0.24
13.00	0.97	21,208	181.53	0.24
13.10	0.85	21,446	181.56	0.25
13.20	0.79	21,641	181.58	0.31
13.30	0.73	21,794	181.59	0.36
13.40	0.67	21,908	181.60	0.40
13.50	0.61	21,985	181.61	0.44
13.60	0.55	22,029	181.61	0.46
13.70	0.53	22,054	181.62	0.47
13.80	0.51	22,069	181.62	0.48
13.90	0.50	**22,076**	**181.62**	**0.49**
14.00	0.48	**22,077**	**181.62**	**0.49**
14.10	0.47	22,073	181.62	0.48
14.20	0.45	22,064	181.62	0.48
14.30	0.43	22,051	181.62	0.47
14.40	0.42	22,035	181.61	0.46
14.50	0.40	22,017	181.61	0.46
14.60	0.39	21,996	181.61	0.44
14.70	0.37	21,974	181.61	0.43
14.80	0.35	21,950	181.61	0.42
14.90	0.34	21,925	181.60	0.41
15.00	0.32	21,899	181.60	0.39
15.10	0.31	21,872	181.60	0.38
15.20	0.30	21,845	181.60	0.37
15.30	0.30	21,819	181.59	0.37
15.40	0.29	21,795	181.59	0.36
15.50	0.29	21,772	181.59	0.35

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.28	21,750	181.59	0.34
15.70	0.28	21,730	181.58	0.34
15.80	0.27	21,710	181.58	0.33
15.90	0.27	21,691	181.58	0.32
16.00	0.27	21,673	181.58	0.32
16.10	0.26	21,655	181.58	0.31
16.20	0.26	21,639	181.58	0.30
16.30	0.25	21,622	181.57	0.30
16.40	0.25	21,606	181.57	0.29
16.50	0.24	21,590	181.57	0.29
16.60	0.24	21,575	181.57	0.28
16.70	0.24	21,560	181.57	0.28
16.80	0.23	21,545	181.57	0.27
16.90	0.23	21,531	181.56	0.27
17.00	0.22	21,516	181.56	0.26
17.10	0.22	21,502	181.56	0.26
17.20	0.22	21,488	181.56	0.25
17.30	0.21	21,474	181.56	0.25
17.40	0.21	21,459	181.56	0.25
17.50	0.20	21,443	181.56	0.25
17.60	0.20	21,426	181.55	0.25
17.70	0.19	21,409	181.55	0.24
17.80	0.19	21,391	181.55	0.24
17.90	0.19	21,372	181.55	0.24
18.00	0.18	21,352	181.55	0.24
18.10	0.18	21,330	181.54	0.24
18.20	0.18	21,307	181.54	0.24
18.30	0.17	21,284	181.54	0.24
18.40	0.17	21,260	181.54	0.24
18.50	0.17	21,236	181.53	0.24
18.60	0.17	21,212	181.53	0.24
18.70	0.17	21,188	181.53	0.24
18.80	0.17	21,163	181.53	0.24
18.90	0.17	21,138	181.52	0.24
19.00	0.17	21,112	181.52	0.24
19.10	0.17	21,086	181.52	0.24
19.20	0.16	21,060	181.52	0.24
19.30	0.16	21,034	181.51	0.24
19.40	0.16	21,007	181.51	0.24
19.50	0.16	20,979	181.51	0.24
19.60	0.16	20,952	181.51	0.24
19.70	0.16	20,924	181.50	0.24
19.80	0.16	20,896	181.50	0.24
19.90	0.16	20,868	181.50	0.24
20.00	0.16	20,839	181.49	0.24
20.10	0.16	20,810	181.49	0.24
20.20	0.15	20,780	181.49	0.24
20.30	0.15	20,751	181.49	0.24
20.40	0.15	20,720	181.48	0.24
20.50	0.15	20,690	181.48	0.24
20.60	0.15	20,659	181.48	0.24
20.70	0.15	20,628	181.47	0.24

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	20,597	181.47	0.24
20.90	0.15	20,565	181.47	0.24
21.00	0.15	20,533	181.46	0.23
21.10	0.14	20,501	181.46	0.23
21.20	0.14	20,468	181.46	0.23
21.30	0.14	20,435	181.45	0.23
21.40	0.14	20,402	181.45	0.23
21.50	0.14	20,368	181.45	0.23
21.60	0.14	20,334	181.44	0.23
21.70	0.14	20,300	181.44	0.23
21.80	0.14	20,266	181.44	0.23
21.90	0.14	20,231	181.43	0.23
22.00	0.13	20,196	181.43	0.23
22.10	0.13	20,160	181.43	0.23
22.20	0.13	20,124	181.42	0.23
22.30	0.13	20,088	181.42	0.23
22.40	0.13	20,052	181.41	0.23
22.50	0.13	20,015	181.41	0.23
22.60	0.13	19,978	181.41	0.23
22.70	0.13	19,941	181.40	0.23
22.80	0.13	19,903	181.40	0.23
22.90	0.12	19,865	181.40	0.23
23.00	0.12	19,827	181.39	0.23
23.10	0.12	19,788	181.39	0.23
23.20	0.12	19,749	181.38	0.23
23.30	0.12	19,710	181.38	0.23
23.40	0.12	19,670	181.38	0.23
23.50	0.12	19,630	181.37	0.23
23.60	0.12	19,590	181.37	0.23
23.70	0.12	19,550	181.36	0.23
23.80	0.12	19,509	181.36	0.23
23.90	0.11	19,468	181.36	0.23
24.00	0.14	19,432	181.35	0.23
24.10	0.01	19,373	181.35	0.23
24.20	0.00	19,291	181.34	0.23
24.30	0.00	19,210	181.33	0.23
24.40	0.00	19,128	181.32	0.23
24.50	0.00	19,046	181.31	0.23
24.60	0.00	18,965	181.30	0.23
24.70	0.00	18,884	181.29	0.23
24.80	0.00	18,803	181.29	0.22
24.90	0.00	18,722	181.28	0.22
25.00	0.00	18,642	181.27	0.22
25.10	0.00	18,561	181.26	0.22
25.20	0.00	18,481	181.25	0.22
25.30	0.00	18,401	181.24	0.22
25.40	0.00	18,321	181.24	0.22
25.50	0.00	18,242	181.23	0.22
25.60	0.00	18,162	181.22	0.22
25.70	0.00	18,083	181.21	0.22
25.80	0.00	18,004	181.20	0.22
25.90	0.00	17,925	181.19	0.22

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	17,846	181.19	0.22
26.10	0.00	17,767	181.18	0.22
26.20	0.00	17,689	181.17	0.22
26.30	0.00	17,611	181.16	0.22
26.40	0.00	17,533	181.15	0.22
26.50	0.00	17,455	181.15	0.22
26.60	0.00	17,377	181.14	0.22
26.70	0.00	17,300	181.13	0.21
26.80	0.00	17,223	181.12	0.21
26.90	0.00	17,145	181.11	0.21
27.00	0.00	17,069	181.10	0.21
27.10	0.00	16,992	181.10	0.21
27.20	0.00	16,915	181.09	0.21
27.30	0.00	16,839	181.08	0.21
27.40	0.00	16,763	181.07	0.21
27.50	0.00	16,687	181.06	0.21
27.60	0.00	16,611	181.06	0.21
27.70	0.00	16,535	181.05	0.21
27.80	0.00	16,460	181.04	0.21
27.90	0.00	16,385	181.03	0.21
28.00	0.00	16,310	181.02	0.21
28.10	0.00	16,235	181.02	0.21
28.20	0.00	16,160	181.01	0.21
28.30	0.00	16,086	181.00	0.21
28.40	0.00	16,011	180.99	0.21
28.50	0.00	15,937	180.98	0.21
28.60	0.00	15,863	180.97	0.21
28.70	0.00	15,790	180.97	0.20
28.80	0.00	15,716	180.96	0.20
28.90	0.00	15,643	180.95	0.20
29.00	0.00	15,570	180.94	0.20
29.10	0.00	15,497	180.94	0.20
29.20	0.00	15,424	180.93	0.20
29.30	0.00	15,351	180.92	0.20
29.40	0.00	15,279	180.91	0.20
29.50	0.00	15,207	180.90	0.20
29.60	0.00	15,135	180.90	0.20
29.70	0.00	15,063	180.89	0.20
29.80	0.00	14,991	180.88	0.20
29.90	0.00	14,920	180.87	0.20
30.00	0.00	14,849	180.86	0.20
30.10	0.00	14,777	180.86	0.20
30.20	0.00	14,707	180.85	0.20
30.30	0.00	14,636	180.84	0.20
30.40	0.00	14,565	180.83	0.20
30.50	0.00	14,495	180.83	0.19
30.60	0.00	14,425	180.82	0.19
30.70	0.00	14,355	180.81	0.19
30.80	0.00	14,285	180.80	0.19
30.90	0.00	14,216	180.79	0.19
31.00	0.00	14,147	180.79	0.19
31.10	0.00	14,077	180.78	0.19

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	14,009	180.77	0.19
31.30	0.00	13,940	180.76	0.19
31.40	0.00	13,871	180.76	0.19
31.50	0.00	13,803	180.75	0.19
31.60	0.00	13,735	180.74	0.19
31.70	0.00	13,667	180.73	0.19
31.80	0.00	13,599	180.73	0.19
31.90	0.00	13,531	180.72	0.19
32.00	0.00	13,464	180.71	0.19
32.10	0.00	13,397	180.70	0.19
32.20	0.00	13,330	180.70	0.19
32.30	0.00	13,263	180.69	0.19
32.40	0.00	13,197	180.68	0.18
32.50	0.00	13,130	180.67	0.18
32.60	0.00	13,064	180.67	0.18
32.70	0.00	12,998	180.66	0.18
32.80	0.00	12,932	180.65	0.18
32.90	0.00	12,867	180.64	0.18
33.00	0.00	12,801	180.64	0.18
33.10	0.00	12,736	180.63	0.18
33.20	0.00	12,671	180.62	0.18
33.30	0.00	12,606	180.61	0.18
33.40	0.00	12,541	180.61	0.18
33.50	0.00	12,477	180.60	0.18
33.60	0.00	12,413	180.59	0.18
33.70	0.00	12,349	180.58	0.18
33.80	0.00	12,285	180.58	0.18
33.90	0.00	12,221	180.57	0.18
34.00	0.00	12,158	180.56	0.18
34.10	0.00	12,095	180.56	0.18
34.20	0.00	12,032	180.55	0.17
34.30	0.00	11,969	180.54	0.17
34.40	0.00	11,906	180.53	0.17
34.50	0.00	11,844	180.53	0.17
34.60	0.00	11,782	180.52	0.17
34.70	0.00	11,720	180.51	0.17
34.80	0.00	11,658	180.50	0.17
34.90	0.00	11,596	180.50	0.17
35.00	0.00	11,535	180.49	0.17
35.10	0.00	11,474	180.48	0.17
35.20	0.00	11,413	180.48	0.17
35.30	0.00	11,352	180.47	0.17
35.40	0.00	11,291	180.46	0.17
35.50	0.00	11,231	180.46	0.17
35.60	0.00	11,171	180.45	0.17
35.70	0.00	11,111	180.44	0.17
35.80	0.00	11,051	180.43	0.17
35.90	0.00	10,991	180.43	0.17
36.00	0.00	10,932	180.42	0.16
36.10	0.00	10,873	180.41	0.16
36.20	0.00	10,814	180.41	0.16
36.30	0.00	10,755	180.40	0.16

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,696	180.39	0.16
36.50	0.00	10,638	180.39	0.16
36.60	0.00	10,580	180.38	0.16
36.70	0.00	10,522	180.37	0.16
36.80	0.00	10,464	180.37	0.16
36.90	0.00	10,407	180.36	0.16
37.00	0.00	10,349	180.35	0.16
37.10	0.00	10,292	180.35	0.16
37.20	0.00	10,235	180.34	0.16
37.30	0.00	10,179	180.33	0.16
37.40	0.00	10,122	180.33	0.16
37.50	0.00	10,066	180.32	0.16
37.60	0.00	10,010	180.31	0.16
37.70	0.00	9,954	180.31	0.15
37.80	0.00	9,898	180.30	0.15
37.90	0.00	9,843	180.29	0.15
38.00	0.00	9,787	180.29	0.15
38.10	0.00	9,732	180.28	0.15
38.20	0.00	9,678	180.27	0.15
38.30	0.00	9,623	180.27	0.15
38.40	0.00	9,569	180.26	0.15
38.50	0.00	9,514	180.25	0.15
38.60	0.00	9,460	180.25	0.15
38.70	0.00	9,407	180.24	0.15
38.80	0.00	9,353	180.23	0.15
38.90	0.00	9,300	180.23	0.15
39.00	0.00	9,246	180.22	0.15
39.10	0.00	9,193	180.21	0.15
39.20	0.00	9,141	180.21	0.15
39.30	0.00	9,088	180.20	0.15
39.40	0.00	9,036	180.20	0.15
39.50	0.00	8,984	180.19	0.14
39.60	0.00	8,932	180.18	0.14
39.70	0.00	8,880	180.18	0.14
39.80	0.00	8,829	180.17	0.14
39.90	0.00	8,777	180.16	0.14
40.00	0.00	8,726	180.16	0.14

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 6.42" for Current 100 yr event
Inflow = 10.95 cfs @ 12.11 hrs, Volume= 1.014 af
Outflow = 5.34 cfs @ 12.37 hrs, Volume= 0.943 af, Atten= 51%, Lag= 16.0 min
Primary = 5.34 cfs @ 12.37 hrs, Volume= 0.943 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.64' @ 12.37 hrs Surf.Area= 9,045 sf Storage= 13,558 cf

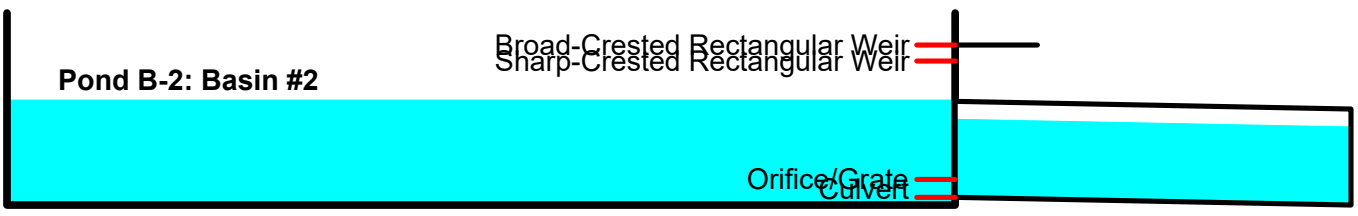
Plug-Flow detention time= 106.6 min calculated for 0.942 af (93% of inflow)
Center-of-Mass det. time= 68.4 min (851.0 - 782.6)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

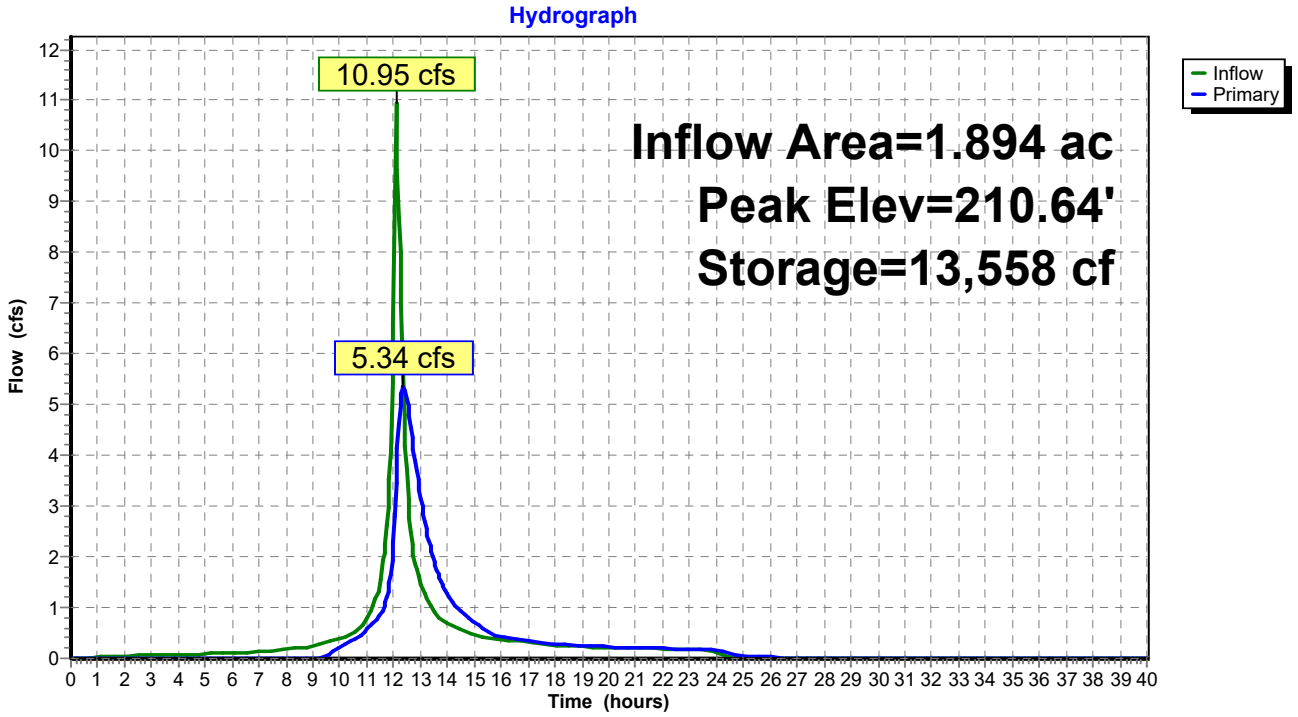
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.33 cfs @ 12.37 hrs HW=210.64' (Free Discharge)
- **1=Culvert** (Barrel Controls 5.33 cfs @ 3.71 fps)
  - **2=Orifice/Grate** (Passes 5.33 cfs of 7.16 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.01	1	209.00	0.00
0.70	0.01	4	209.00	0.00
0.80	0.02	9	209.00	0.00
0.90	0.02	15	209.00	0.00
1.00	0.02	23	209.00	0.00
1.10	0.03	32	209.00	0.00
1.20	0.03	42	209.01	0.00
1.30	0.03	54	209.01	0.00
1.40	0.04	66	209.01	0.00
1.50	0.04	79	209.01	0.00
1.60	0.04	94	209.01	0.00
1.70	0.04	109	209.01	0.00
1.80	0.05	124	209.02	0.00
1.90	0.05	141	209.02	0.00
2.00	0.05	159	209.02	0.00
2.10	0.05	177	209.02	0.00
2.20	0.05	195	209.03	0.00
2.30	0.05	215	209.03	0.00
2.40	0.06	235	209.03	0.00
2.50	0.06	255	209.03	0.00
2.60	0.06	276	209.04	0.00
2.70	0.06	297	209.04	0.00
2.80	0.06	320	209.04	0.00
2.90	0.06	342	209.05	0.00
3.00	0.06	365	209.05	0.00
3.10	0.07	389	209.05	0.00
3.20	0.07	413	209.05	0.00
3.30	0.07	437	209.06	0.00
3.40	0.07	462	209.06	0.00
3.50	0.07	487	209.06	0.00
3.60	0.07	513	209.07	0.00
3.70	0.07	539	209.07	0.00
3.80	0.07	565	209.07	0.00
3.90	0.07	592	209.08	0.00
4.00	0.08	619	209.08	0.00
4.10	0.08	646	209.09	0.00
4.20	0.08	674	209.09	0.00
4.30	0.08	702	209.09	0.00
4.40	0.08	731	209.10	0.00
4.50	0.08	760	209.10	0.00
4.60	0.08	789	209.10	0.00
4.70	0.08	818	209.11	0.00
4.80	0.08	848	209.11	0.00
4.90	0.08	878	209.12	0.00
5.00	0.08	909	209.12	0.00
5.10	0.09	940	209.12	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.09	971	209.13	0.00
5.30	0.09	1,002	209.13	0.00
5.40	0.09	1,034	209.14	0.00
5.50	0.09	1,066	209.14	0.00
5.60	0.09	1,098	209.15	0.00
5.70	0.09	1,130	209.15	0.00
5.80	0.09	1,163	209.15	0.00
5.90	0.09	1,196	209.16	0.00
6.00	0.09	1,230	209.16	0.00
6.10	0.10	1,264	209.17	0.00
6.20	0.10	1,299	209.17	0.00
6.30	0.10	1,334	209.18	0.00
6.40	0.10	1,371	209.18	0.00
6.50	0.11	1,409	209.19	0.00
6.60	0.11	1,448	209.19	0.00
6.70	0.11	1,489	209.20	0.00
6.80	0.12	1,531	209.20	0.00
6.90	0.12	1,574	209.21	0.00
7.00	0.13	1,619	209.21	0.00
7.10	0.13	1,666	209.22	0.00
7.20	0.14	1,714	209.23	0.00
7.30	0.14	1,764	209.23	0.00
7.40	0.15	1,816	209.24	0.00
7.50	0.15	1,869	209.25	0.00
7.60	0.15	1,924	209.25	0.00
7.70	0.16	1,981	209.26	0.00
7.80	0.16	2,039	209.27	0.00
7.90	0.17	2,099	209.28	0.00
8.00	0.18	2,162	209.28	0.00
8.10	0.18	2,226	209.29	0.00
8.20	0.19	2,292	209.30	0.00
8.30	0.19	2,359	209.31	0.00
8.40	0.20	2,429	209.32	0.00
8.50	0.20	2,501	209.33	0.00
8.60	0.21	2,574	209.34	0.00
8.70	0.21	2,650	209.35	0.00
8.80	0.22	2,728	209.36	0.00
8.90	0.22	2,808	209.37	0.00
9.00	0.23	2,890	209.38	0.00
9.10	0.24	2,975	209.39	0.00
9.20	0.26	3,065	209.40	0.00
9.30	0.27	3,158	209.41	0.01
9.40	0.29	3,251	209.42	0.03
9.50	0.30	3,340	209.43	0.06
9.60	0.32	3,425	209.44	0.09
9.70	0.34	3,505	209.45	0.12
9.80	0.36	3,579	209.46	0.16
9.90	0.37	3,648	209.47	0.19
10.00	0.39	3,712	209.48	0.22
10.10	0.41	3,771	209.49	0.25
10.20	0.43	3,826	209.49	0.28
10.30	0.45	3,877	209.50	0.31

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.47	3,925	209.51	0.34
10.50	0.49	3,970	209.51	0.37
10.60	0.54	4,018	209.52	0.40
10.70	0.59	4,072	209.53	0.43
10.80	0.65	4,135	209.53	0.47
10.90	0.72	4,205	209.54	0.52
11.00	0.79	4,282	209.55	0.57
11.10	0.89	4,371	209.56	0.63
11.20	1.01	4,478	209.58	0.68
11.30	1.14	4,611	209.59	0.73
11.40	1.27	4,773	209.61	0.79
11.50	1.40	4,960	209.64	0.86
11.60	1.92	5,236	209.67	0.96
11.70	2.24	5,612	209.72	1.11
11.80	2.96	6,116	209.78	1.33
11.90	4.06	6,849	209.87	1.67
12.00	6.59	8,080	210.01	2.28
12.10	**10.93**	10,247	210.27	3.47
12.20	8.68	12,274	210.50	4.62
12.30	6.97	**13,343**	**210.62**	**5.23**
12.40	4.81	**13,527**	**210.64**	**5.33**
12.50	3.72	13,161	210.60	5.13
12.60	2.75	12,528	210.53	4.77
12.70	2.24	11,781	210.44	4.34
12.80	1.88	11,031	210.36	3.91
12.90	1.65	10,328	210.28	3.51
13.00	1.48	9,692	210.20	3.15
13.10	1.32	9,118	210.14	2.83
13.20	1.19	8,600	210.07	2.55
13.30	1.09	8,135	210.02	2.31
13.40	1.00	7,719	209.97	2.09
13.50	0.91	7,343	209.93	1.90
13.60	0.83	7,001	209.88	1.74
13.70	0.77	6,691	209.85	1.59
13.80	0.73	6,412	209.81	1.46
13.90	0.71	6,165	209.78	1.35
14.00	0.68	5,946	209.76	1.25
14.10	0.66	5,751	209.73	1.17
14.20	0.64	5,575	209.71	1.10
14.30	0.62	5,417	209.69	1.03
14.40	0.59	5,273	209.67	0.98
14.50	0.57	5,140	209.66	0.92
14.60	0.55	5,018	209.64	0.88
14.70	0.53	4,903	209.63	0.83
14.80	0.51	4,796	209.62	0.79
14.90	0.48	4,695	209.60	0.76
15.00	0.46	4,598	209.59	0.72
15.10	0.44	4,505	209.58	0.69
15.20	0.42	4,418	209.57	0.66
15.30	0.41	4,341	209.56	0.61
15.40	0.41	4,278	209.55	0.57
15.50	0.40	4,226	209.54	0.53

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.39	4,183	209.54	0.50
15.70	0.39	4,147	209.54	0.48
15.80	0.38	4,117	209.53	0.46
15.90	0.38	4,091	209.53	0.44
16.00	0.37	4,068	209.53	0.43
16.10	0.37	4,049	209.52	0.42
16.20	0.36	4,031	209.52	0.41
16.30	0.35	4,015	209.52	0.40
16.40	0.35	4,001	209.52	0.39
16.50	0.34	3,987	209.52	0.38
16.60	0.34	3,975	209.51	0.37
16.70	0.33	3,963	209.51	0.36
16.80	0.32	3,952	209.51	0.35
16.90	0.32	3,941	209.51	0.35
17.00	0.31	3,930	209.51	0.34
17.10	0.31	3,920	209.51	0.34
17.20	0.30	3,909	209.51	0.33
17.30	0.29	3,898	209.50	0.32
17.40	0.29	3,888	209.50	0.32
17.50	0.28	3,877	209.50	0.31
17.60	0.28	3,866	209.50	0.31
17.70	0.27	3,856	209.50	0.30
17.80	0.27	3,845	209.50	0.29
17.90	0.26	3,835	209.50	0.29
18.00	0.25	3,824	209.49	0.28
18.10	0.25	3,814	209.49	0.28
18.20	0.24	3,803	209.49	0.27
18.30	0.24	3,794	209.49	0.27
18.40	0.24	3,785	209.49	0.26
18.50	0.24	3,778	209.49	0.26
18.60	0.24	3,771	209.49	0.25
18.70	0.23	3,765	209.49	0.25
18.80	0.23	3,760	209.49	0.25
18.90	0.23	3,755	209.49	0.24
19.00	0.23	3,751	209.49	0.24
19.10	0.23	3,746	209.48	0.24
19.20	0.23	3,743	209.48	0.24
19.30	0.23	3,739	209.48	0.24
19.40	0.22	3,736	209.48	0.23
19.50	0.22	3,732	209.48	0.23
19.60	0.22	3,729	209.48	0.23
19.70	0.22	3,726	209.48	0.23
19.80	0.22	3,723	209.48	0.23
19.90	0.22	3,720	209.48	0.23
20.00	0.22	3,718	209.48	0.22
20.10	0.21	3,715	209.48	0.22
20.20	0.21	3,712	209.48	0.22
20.30	0.21	3,709	209.48	0.22
20.40	0.21	3,706	209.48	0.22
20.50	0.21	3,703	209.48	0.22
20.60	0.21	3,701	209.48	0.21
20.70	0.21	3,698	209.48	0.21

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	3,695	209.48	0.21
20.90	0.20	3,692	209.48	0.21
21.00	0.20	3,689	209.48	0.21
21.10	0.20	3,686	209.48	0.21
21.20	0.20	3,683	209.48	0.21
21.30	0.20	3,680	209.48	0.20
21.40	0.20	3,677	209.48	0.20
21.50	0.19	3,674	209.48	0.20
21.60	0.19	3,670	209.48	0.20
21.70	0.19	3,667	209.47	0.20
21.80	0.19	3,664	209.47	0.20
21.90	0.19	3,661	209.47	0.20
22.00	0.19	3,658	209.47	0.19
22.10	0.18	3,655	209.47	0.19
22.20	0.18	3,652	209.47	0.19
22.30	0.18	3,648	209.47	0.19
22.40	0.18	3,645	209.47	0.19
22.50	0.18	3,642	209.47	0.19
22.60	0.18	3,639	209.47	0.19
22.70	0.18	3,636	209.47	0.18
22.80	0.17	3,633	209.47	0.18
22.90	0.17	3,629	209.47	0.18
23.00	0.17	3,626	209.47	0.18
23.10	0.17	3,623	209.47	0.18
23.20	0.17	3,620	209.47	0.18
23.30	0.17	3,616	209.47	0.18
23.40	0.17	3,613	209.47	0.17
23.50	0.16	3,610	209.47	0.17
23.60	0.16	3,607	209.47	0.17
23.70	0.16	3,604	209.47	0.17
23.80	0.16	3,601	209.47	0.17
23.90	0.16	3,597	209.47	0.17
24.00	0.17	3,597	209.47	0.17
24.10	0.10	3,586	209.46	0.16
24.20	0.05	3,557	209.46	0.15
24.30	0.02	3,519	209.46	0.13
24.40	0.01	3,480	209.45	0.11
24.50	0.00	3,444	209.45	0.10
24.60	0.00	3,411	209.44	0.09
24.70	0.00	3,381	209.44	0.08
24.80	0.00	3,355	209.44	0.07
24.90	0.00	3,331	209.43	0.06
25.00	0.00	3,311	209.43	0.05
25.10	0.00	3,293	209.43	0.05
25.20	0.00	3,276	209.43	0.04
25.30	0.00	3,262	209.42	0.04
25.40	0.00	3,249	209.42	0.03
25.50	0.00	3,238	209.42	0.03
25.60	0.00	3,228	209.42	0.03
25.70	0.00	3,219	209.42	0.02
25.80	0.00	3,210	209.42	0.02
25.90	0.00	3,202	209.42	0.02

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,195	209.42	0.02
26.10	0.00	3,187	209.41	0.02
26.20	0.00	3,181	209.41	0.02
26.30	0.00	3,174	209.41	0.02
26.40	0.00	3,168	209.41	0.02
26.50	0.00	3,163	209.41	0.02
26.60	0.00	3,157	209.41	0.01
26.70	0.00	3,152	209.41	0.01
26.80	0.00	3,148	209.41	0.01
26.90	0.00	3,143	209.41	0.01
27.00	0.00	3,139	209.41	0.01
27.10	0.00	3,135	209.41	0.01
27.20	0.00	3,132	209.41	0.01
27.30	0.00	3,128	209.41	0.01
27.40	0.00	3,125	209.41	0.01
27.50	0.00	3,122	209.41	0.01
27.60	0.00	3,119	209.41	0.01
27.70	0.00	3,116	209.41	0.01
27.80	0.00	3,114	209.40	0.01
27.90	0.00	3,112	209.40	0.01
28.00	0.00	3,109	209.40	0.01
28.10	0.00	3,107	209.40	0.01
28.20	0.00	3,105	209.40	0.01
28.30	0.00	3,103	209.40	0.00
28.40	0.00	3,102	209.40	0.00
28.50	0.00	3,100	209.40	0.00
28.60	0.00	3,099	209.40	0.00
28.70	0.00	3,097	209.40	0.00
28.80	0.00	3,096	209.40	0.00
28.90	0.00	3,095	209.40	0.00
29.00	0.00	3,093	209.40	0.00
29.10	0.00	3,092	209.40	0.00
29.20	0.00	3,091	209.40	0.00
29.30	0.00	3,090	209.40	0.00
29.40	0.00	3,089	209.40	0.00
29.50	0.00	3,088	209.40	0.00
29.60	0.00	3,088	209.40	0.00
29.70	0.00	3,087	209.40	0.00
29.80	0.00	3,086	209.40	0.00
29.90	0.00	3,085	209.40	0.00
30.00	0.00	3,085	209.40	0.00
30.10	0.00	3,084	209.40	0.00
30.20	0.00	3,084	209.40	0.00
30.30	0.00	3,083	209.40	0.00
30.40	0.00	3,083	209.40	0.00
30.50	0.00	3,082	209.40	0.00
30.60	0.00	3,082	209.40	0.00
30.70	0.00	3,081	209.40	0.00
30.80	0.00	3,081	209.40	0.00
30.90	0.00	3,080	209.40	0.00
31.00	0.00	3,080	209.40	0.00
31.10	0.00	3,080	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,080	209.40	0.00
31.30	0.00	3,079	209.40	0.00
31.40	0.00	3,079	209.40	0.00
31.50	0.00	3,079	209.40	0.00
31.60	0.00	3,078	209.40	0.00
31.70	0.00	3,078	209.40	0.00
31.80	0.00	3,078	209.40	0.00
31.90	0.00	3,078	209.40	0.00
32.00	0.00	3,078	209.40	0.00
32.10	0.00	3,077	209.40	0.00
32.20	0.00	3,077	209.40	0.00
32.30	0.00	3,077	209.40	0.00
32.40	0.00	3,077	209.40	0.00
32.50	0.00	3,077	209.40	0.00
32.60	0.00	3,077	209.40	0.00
32.70	0.00	3,077	209.40	0.00
32.80	0.00	3,077	209.40	0.00
32.90	0.00	3,076	209.40	0.00
33.00	0.00	3,076	209.40	0.00
33.10	0.00	3,076	209.40	0.00
33.20	0.00	3,076	209.40	0.00
33.30	0.00	3,076	209.40	0.00
33.40	0.00	3,076	209.40	0.00
33.50	0.00	3,076	209.40	0.00
33.60	0.00	3,076	209.40	0.00
33.70	0.00	3,076	209.40	0.00
33.80	0.00	3,076	209.40	0.00
33.90	0.00	3,076	209.40	0.00
34.00	0.00	3,076	209.40	0.00
34.10	0.00	3,076	209.40	0.00
34.20	0.00	3,076	209.40	0.00
34.30	0.00	3,075	209.40	0.00
34.40	0.00	3,075	209.40	0.00
34.50	0.00	3,075	209.40	0.00
34.60	0.00	3,075	209.40	0.00
34.70	0.00	3,075	209.40	0.00
34.80	0.00	3,075	209.40	0.00
34.90	0.00	3,075	209.40	0.00
35.00	0.00	3,075	209.40	0.00
35.10	0.00	3,075	209.40	0.00
35.20	0.00	3,075	209.40	0.00
35.30	0.00	3,075	209.40	0.00
35.40	0.00	3,075	209.40	0.00
35.50	0.00	3,075	209.40	0.00
35.60	0.00	3,075	209.40	0.00
35.70	0.00	3,075	209.40	0.00
35.80	0.00	3,075	209.40	0.00
35.90	0.00	3,075	209.40	0.00
36.00	0.00	3,075	209.40	0.00
36.10	0.00	3,075	209.40	0.00
36.20	0.00	3,075	209.40	0.00
36.30	0.00	3,075	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,075	209.40	0.00
36.50	0.00	3,075	209.40	0.00
36.60	0.00	3,075	209.40	0.00
36.70	0.00	3,075	209.40	0.00
36.80	0.00	3,075	209.40	0.00
36.90	0.00	3,075	209.40	0.00
37.00	0.00	3,075	209.40	0.00
37.10	0.00	3,075	209.40	0.00
37.20	0.00	3,075	209.40	0.00
37.30	0.00	3,075	209.40	0.00
37.40	0.00	3,075	209.40	0.00
37.50	0.00	3,075	209.40	0.00
37.60	0.00	3,075	209.40	0.00
37.70	0.00	3,075	209.40	0.00
37.80	0.00	3,075	209.40	0.00
37.90	0.00	3,075	209.40	0.00
38.00	0.00	3,075	209.40	0.00
38.10	0.00	3,075	209.40	0.00
38.20	0.00	3,075	209.40	0.00
38.30	0.00	3,075	209.40	0.00
38.40	0.00	3,075	209.40	0.00
38.50	0.00	3,075	209.40	0.00
38.60	0.00	3,075	209.40	0.00
38.70	0.00	3,075	209.40	0.00
38.80	0.00	3,075	209.40	0.00
38.90	0.00	3,075	209.40	0.00
39.00	0.00	3,075	209.40	0.00
39.10	0.00	3,075	209.40	0.00
39.20	0.00	3,075	209.40	0.00
39.30	0.00	3,075	209.40	0.00
39.40	0.00	3,075	209.40	0.00
39.50	0.00	3,075	209.40	0.00
39.60	0.00	3,075	209.40	0.00
39.70	0.00	3,075	209.40	0.00
39.80	0.00	3,075	209.40	0.00
39.90	0.00	3,075	209.40	0.00
40.00	0.00	3,075	209.40	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0	209.52	7,985	4,026
209.01	7,510	75	209.53	7,994	4,106
209.02	7,520	150	209.54	8,003	4,186
209.03	7,529	225	209.55	8,013	4,266
209.04	7,538	301	209.56	8,022	4,346
209.05	7,548	376	209.57	8,031	4,427
209.06	7,557	452	209.58	8,040	4,507
209.07	7,566	527	209.59	8,050	4,587
209.08	7,575	603	209.60	8,059	4,668
209.09	7,585	679	209.61	8,068	4,749
209.10	7,594	755	209.62	8,078	4,829
209.11	7,603	831	209.63	8,087	4,910
209.12	7,613	907	209.64	8,096	4,991
209.13	7,622	983	209.65	8,106	5,072
209.14	7,631	1,059	209.66	8,115	5,153
209.15	7,641	1,136	209.67	8,124	5,234
209.16	7,650	1,212	209.68	8,133	5,316
209.17	7,659	1,289	209.69	8,143	5,397
209.18	7,668	1,365	209.70	8,152	5,479
209.19	7,678	1,442	209.71	8,161	5,560
209.20	7,687	1,519	209.72	8,171	5,642
209.21	7,696	1,596	209.73	8,180	5,724
209.22	7,706	1,673	209.74	8,189	5,805
209.23	7,715	1,750	209.75	8,199	5,887
209.24	7,724	1,827	209.76	8,208	5,969
209.25	7,734	1,904	209.77	8,217	6,051
209.26	7,743	1,982	209.78	8,226	6,134
209.27	7,752	2,059	209.79	8,236	6,216
209.28	7,761	2,137	209.80	8,245	6,298
209.29	7,771	2,214	209.81	8,254	6,381
209.30	7,780	2,292	209.82	8,264	6,463
209.31	7,789	2,370	209.83	8,273	6,546
209.32	7,799	2,448	209.84	8,282	6,629
209.33	7,808	2,526	209.85	8,291	6,712
209.34	7,817	2,604	209.86	8,301	6,795
209.35	7,826	2,682	209.87	8,310	6,878
209.36	7,836	2,761	209.88	8,319	6,961
209.37	7,845	2,839	209.89	8,329	7,044
209.38	7,854	2,918	209.90	8,338	7,128
209.39	7,864	2,996	209.91	8,347	7,211
209.40	7,873	3,075	209.92	8,357	7,294
209.41	7,882	3,154	209.93	8,366	7,378
209.42	7,892	3,232	209.94	8,375	7,462
209.43	7,901	3,311	209.95	8,384	7,546
209.44	7,910	3,390	209.96	8,394	7,630
209.45	7,919	3,470	209.97	8,403	7,713
209.46	7,929	3,549	209.98	8,412	7,798
209.47	7,938	3,628	209.99	8,422	7,882
209.48	7,947	3,708	210.00	8,431	7,966
209.49	7,957	3,787	210.01	8,441	8,050
209.50	7,966	3,867	210.02	8,450	8,135
209.51	7,975	3,946	210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 6.43" for Current 100 yr event
Inflow = 12.79 cfs @ 12.08 hrs, Volume= 0.832 af
Outflow = 0.22 cfs @ 17.65 hrs, Volume= 0.474 af, Atten= 98%, Lag= 334.2 min
Primary = 0.22 cfs @ 17.65 hrs, Volume= 0.474 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 215.15' @ 17.65 hrs Surf.Area= 15,844 sf Storage= 27,681 cf

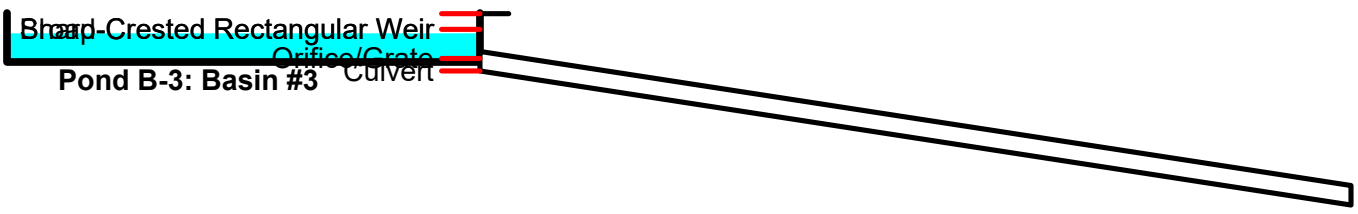
Plug-Flow detention time= 844.2 min calculated for 0.473 af (57% of inflow)
Center-of-Mass det. time= 729.3 min (1,506.1 - 776.8)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

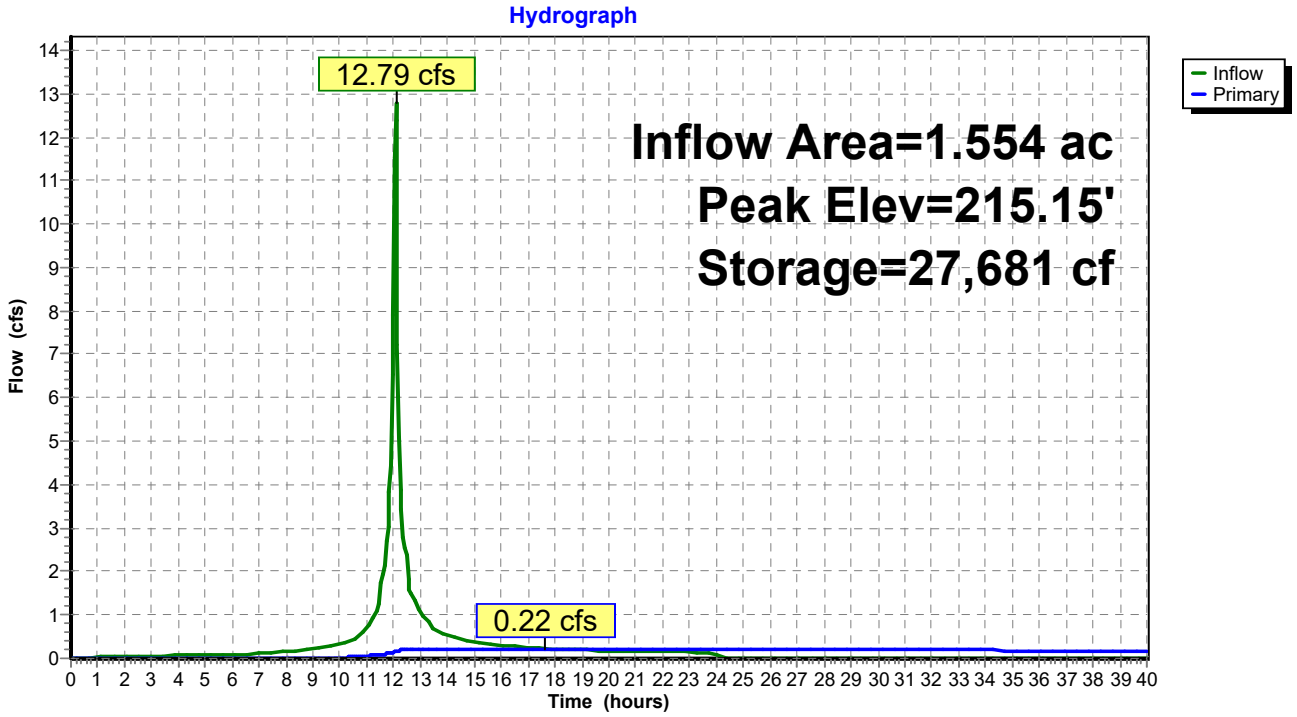
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.22 cfs @ 17.65 hrs HW=215.15' (Free Discharge)
- **1=Culvert** (Passes 0.22 cfs of 12.32 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.45 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	0.00
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.00	0	213.00	0.00
0.50	0.00	0	213.00	0.00
0.60	0.00	1	213.00	0.00
0.70	0.01	3	213.00	0.00
0.80	0.01	7	213.00	0.00
0.90	0.02	12	213.00	0.00
1.00	0.02	18	213.00	0.00
1.10	0.02	25	213.00	0.00
1.20	0.02	34	213.00	0.00
1.30	0.03	43	213.00	0.00
1.40	0.03	53	213.01	0.00
1.50	0.03	64	213.01	0.00
1.60	0.03	75	213.01	0.00
1.70	0.04	88	213.01	0.00
1.80	0.04	101	213.01	0.00
1.90	0.04	114	213.01	0.00
2.00	0.04	128	213.01	0.00
2.10	0.04	143	213.01	0.00
2.20	0.04	159	213.02	0.00
2.30	0.04	174	213.02	0.00
2.40	0.05	191	213.02	0.00
2.50	0.05	208	213.02	0.00
2.60	0.05	225	213.02	0.00
2.70	0.05	242	213.02	0.00
2.80	0.05	261	213.03	0.00
2.90	0.05	279	213.03	0.00
3.00	0.05	298	213.03	0.00
3.10	0.05	317	213.03	0.00
3.20	0.06	337	213.03	0.00
3.30	0.06	357	213.04	0.00
3.40	0.06	377	213.04	0.00
3.50	0.06	398	213.04	0.00
3.60	0.06	419	213.04	0.00
3.70	0.06	440	213.04	0.00
3.80	0.06	462	213.05	0.00
3.90	0.06	484	213.05	0.00
4.00	0.06	506	213.05	0.00
4.10	0.06	529	213.05	0.00
4.20	0.06	552	213.05	0.00
4.30	0.07	575	213.06	0.00
4.40	0.07	598	213.06	0.00
4.50	0.07	622	213.06	0.00
4.60	0.07	646	213.06	0.00
4.70	0.07	670	213.07	0.00
4.80	0.07	695	213.07	0.00
4.90	0.07	720	213.07	0.00
5.00	0.07	745	213.07	0.00
5.10	0.07	770	213.08	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	795	213.08	0.00
5.30	0.07	821	213.08	0.00
5.40	0.07	847	213.08	0.00
5.50	0.07	874	213.09	0.00
5.60	0.07	900	213.09	0.00
5.70	0.07	927	213.09	0.00
5.80	0.08	954	213.09	0.00
5.90	0.08	981	213.10	0.00
6.00	0.08	1,008	213.10	0.00
6.10	0.08	1,036	213.10	0.00
6.20	0.08	1,065	213.11	0.00
6.30	0.08	1,094	213.11	0.00
6.40	0.09	1,125	213.11	0.00
6.50	0.09	1,157	213.11	0.00
6.60	0.09	1,190	213.12	0.00
6.70	0.10	1,224	213.12	0.00
6.80	0.10	1,259	213.12	0.00
6.90	0.10	1,296	213.13	0.00
7.00	0.11	1,334	213.13	0.00
7.10	0.11	1,374	213.13	0.00
7.20	0.12	1,414	213.14	0.00
7.30	0.12	1,456	213.14	0.00
7.40	0.12	1,500	213.15	0.00
7.50	0.13	1,545	213.15	0.00
7.60	0.13	1,592	213.16	0.00
7.70	0.14	1,640	213.16	0.00
7.80	0.14	1,689	213.17	0.00
7.90	0.14	1,740	213.17	0.00
8.00	0.15	1,793	213.18	0.00
8.10	0.15	1,847	213.18	0.00
8.20	0.16	1,903	213.19	0.00
8.30	0.16	1,960	213.19	0.00
8.40	0.17	2,019	213.20	0.00
8.50	0.17	2,079	213.20	0.00
8.60	0.18	2,142	213.21	0.00
8.70	0.18	2,206	213.21	0.00
8.80	0.18	2,271	213.22	0.00
8.90	0.19	2,339	213.23	0.00
9.00	0.20	2,408	213.23	0.00
9.10	0.21	2,481	213.24	0.00
9.20	0.22	2,558	213.25	0.00
9.30	0.23	2,639	213.26	0.00
9.40	0.25	2,726	213.26	0.00
9.50	0.26	2,817	213.27	0.00
9.60	0.28	2,913	213.28	0.00
9.70	0.29	3,014	213.29	0.00
9.80	0.30	3,120	213.30	0.00
9.90	0.32	3,231	213.31	0.01
10.00	0.34	3,346	213.32	0.01
10.10	0.35	3,466	213.33	0.01
10.20	0.37	3,591	213.34	0.02
10.30	0.38	3,720	213.36	0.02

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.40	3,854	213.37	0.02
10.50	0.42	3,993	213.38	0.03
10.60	0.47	4,144	213.39	0.03
10.70	0.53	4,312	213.41	0.04
10.80	0.58	4,498	213.43	0.04
10.90	0.64	4,703	213.44	0.05
11.00	0.70	4,928	213.46	0.05
11.10	0.81	5,181	213.49	0.06
11.20	0.92	5,472	213.51	0.07
11.30	1.03	5,802	213.54	0.07
11.40	1.15	6,172	213.57	0.08
11.50	1.29	6,582	213.61	0.08
11.60	1.95	7,153	213.66	0.09
11.70	2.18	7,862	213.72	0.10
11.80	3.04	8,780	213.79	0.11
11.90	4.45	10,104	213.90	0.12
12.00	7.91	12,348	214.08	0.14
12.10	**12.40**	16,195	214.37	0.17
12.20	5.07	19,002	214.57	0.18
12.30	3.43	20,398	214.67	0.19
12.40	2.56	21,370	214.73	0.19
12.50	2.34	22,181	214.79	0.20
12.60	1.59	22,787	214.83	0.20
12.70	1.46	23,259	214.86	0.20
12.80	1.33	23,684	214.89	0.20
12.90	1.21	24,063	214.91	0.20
13.00	1.08	24,396	214.93	0.21
13.10	0.96	24,684	214.95	0.21
13.20	0.88	24,938	214.97	0.21
13.30	0.82	25,166	214.98	0.21
13.40	0.75	25,370	215.00	0.21
13.50	0.68	25,549	215.01	0.21
13.60	0.61	25,703	215.02	0.21
13.70	0.59	25,843	215.03	0.21
13.80	0.58	25,977	215.04	0.21
13.90	0.56	26,104	215.05	0.21
14.00	0.54	26,224	215.05	0.21
14.10	0.52	26,337	215.06	0.21
14.20	0.51	26,445	215.07	0.21
14.30	0.49	26,545	215.07	0.22
14.40	0.47	26,639	215.08	0.22
14.50	0.45	26,726	215.09	0.22
14.60	0.43	26,807	215.09	0.22
14.70	0.41	26,881	215.10	0.22
14.80	0.40	26,948	215.10	0.22
14.90	0.38	27,009	215.10	0.22
15.00	0.36	27,063	215.11	0.22
15.10	0.34	27,111	215.11	0.22
15.20	0.34	27,155	215.11	0.22
15.30	0.33	27,197	215.12	0.22
15.40	0.33	27,237	215.12	0.22
15.50	0.32	27,276	215.12	0.22

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.32	27,313	215.12	0.22
15.70	0.31	27,348	215.12	0.22
15.80	0.31	27,381	215.13	0.22
15.90	0.30	27,413	215.13	0.22
16.00	0.30	27,443	215.13	0.22
16.10	0.30	27,471	215.13	0.22
16.20	0.29	27,497	215.13	0.22
16.30	0.28	27,522	215.14	0.22
16.40	0.28	27,544	215.14	0.22
16.50	0.28	27,565	215.14	0.22
16.60	0.27	27,585	215.14	0.22
16.70	0.27	27,602	215.14	0.22
16.80	0.26	27,618	215.14	0.22
16.90	0.26	27,632	215.14	0.22
17.00	0.25	27,644	215.14	0.22
17.10	0.25	27,655	215.14	0.22
17.20	0.24	27,664	215.14	0.22
17.30	0.24	27,670	215.15	0.22
17.40	0.23	27,676	215.15	0.22
17.50	0.23	27,679	215.15	0.22
17.60	0.22	**27,681**	**215.15**	**0.22**
17.70	0.22	**27,681**	**215.15**	**0.22**
17.80	0.21	27,679	215.15	0.22
17.90	0.21	27,676	215.15	0.22
18.00	0.20	27,670	215.15	0.22
18.10	0.20	27,664	215.14	0.22
18.20	0.20	27,656	215.14	0.22
18.30	0.20	27,647	215.14	0.22
18.40	0.19	27,639	215.14	0.22
18.50	0.19	27,629	215.14	0.22
18.60	0.19	27,620	215.14	0.22
18.70	0.19	27,610	215.14	0.22
18.80	0.19	27,599	215.14	0.22
18.90	0.19	27,589	215.14	0.22
19.00	0.19	27,577	215.14	0.22
19.10	0.19	27,566	215.14	0.22
19.20	0.19	27,554	215.14	0.22
19.30	0.18	27,541	215.14	0.22
19.40	0.18	27,528	215.14	0.22
19.50	0.18	27,515	215.14	0.22
19.60	0.18	27,501	215.13	0.22
19.70	0.18	27,487	215.13	0.22
19.80	0.18	27,473	215.13	0.22
19.90	0.18	27,458	215.13	0.22
20.00	0.18	27,442	215.13	0.22
20.10	0.17	27,427	215.13	0.22
20.20	0.17	27,410	215.13	0.22
20.30	0.17	27,394	215.13	0.22
20.40	0.17	27,377	215.13	0.22
20.50	0.17	27,359	215.13	0.22
20.60	0.17	27,342	215.12	0.22
20.70	0.17	27,324	215.12	0.22

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	27,305	215.12	0.22
20.90	0.16	27,286	215.12	0.22
21.00	0.16	27,266	215.12	0.22
21.10	0.16	27,246	215.12	0.22
21.20	0.16	27,226	215.12	0.22
21.30	0.16	27,205	215.12	0.22
21.40	0.16	27,184	215.11	0.22
21.50	0.16	27,163	215.11	0.22
21.60	0.16	27,141	215.11	0.22
21.70	0.15	27,119	215.11	0.22
21.80	0.15	27,096	215.11	0.22
21.90	0.15	27,073	215.11	0.22
22.00	0.15	27,049	215.11	0.22
22.10	0.15	27,025	215.10	0.22
22.20	0.15	27,001	215.10	0.22
22.30	0.15	26,977	215.10	0.22
22.40	0.15	26,951	215.10	0.22
22.50	0.15	26,926	215.10	0.22
22.60	0.14	26,900	215.10	0.22
22.70	0.14	26,874	215.09	0.22
22.80	0.14	26,847	215.09	0.22
22.90	0.14	26,820	215.09	0.22
23.00	0.14	26,792	215.09	0.22
23.10	0.14	26,764	215.09	0.22
23.20	0.14	26,736	215.09	0.22
23.30	0.14	26,707	215.08	0.22
23.40	0.14	26,678	215.08	0.22
23.50	0.13	26,649	215.08	0.22
23.60	0.13	26,619	215.08	0.22
23.70	0.13	26,588	215.08	0.22
23.80	0.13	26,558	215.07	0.22
23.90	0.13	26,527	215.07	0.22
24.00	0.14	26,501	215.07	0.22
24.10	0.01	26,445	215.07	0.21
24.20	0.00	26,369	215.06	0.21
24.30	0.00	26,292	215.06	0.21
24.40	0.00	26,215	215.05	0.21
24.50	0.00	26,138	215.05	0.21
24.60	0.00	26,061	215.04	0.21
24.70	0.00	25,984	215.04	0.21
24.80	0.00	25,907	215.03	0.21
24.90	0.00	25,831	215.03	0.21
25.00	0.00	25,755	215.02	0.21
25.10	0.00	25,678	215.02	0.21
25.20	0.00	25,602	215.01	0.21
25.30	0.00	25,526	215.01	0.21
25.40	0.00	25,450	215.00	0.21
25.50	0.00	25,374	215.00	0.21
25.60	0.00	25,299	214.99	0.21
25.70	0.00	25,223	214.99	0.21
25.80	0.00	25,147	214.98	0.21
25.90	0.00	25,072	214.98	0.21

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	24,997	214.97	0.21
26.10	0.00	24,922	214.97	0.21
26.20	0.00	24,847	214.96	0.21
26.30	0.00	24,772	214.96	0.21
26.40	0.00	24,697	214.95	0.21
26.50	0.00	24,622	214.95	0.21
26.60	0.00	24,548	214.94	0.21
26.70	0.00	24,473	214.94	0.21
26.80	0.00	24,399	214.93	0.21
26.90	0.00	24,325	214.93	0.21
27.00	0.00	24,251	214.93	0.21
27.10	0.00	24,177	214.92	0.21
27.20	0.00	24,103	214.92	0.21
27.30	0.00	24,029	214.91	0.20
27.40	0.00	23,955	214.91	0.20
27.50	0.00	23,882	214.90	0.20
27.60	0.00	23,808	214.90	0.20
27.70	0.00	23,735	214.89	0.20
27.80	0.00	23,662	214.89	0.20
27.90	0.00	23,589	214.88	0.20
28.00	0.00	23,516	214.88	0.20
28.10	0.00	23,443	214.87	0.20
28.20	0.00	23,370	214.87	0.20
28.30	0.00	23,297	214.86	0.20
28.40	0.00	23,225	214.86	0.20
28.50	0.00	23,153	214.85	0.20
28.60	0.00	23,080	214.85	0.20
28.70	0.00	23,008	214.84	0.20
28.80	0.00	22,936	214.84	0.20
28.90	0.00	22,864	214.83	0.20
29.00	0.00	22,792	214.83	0.20
29.10	0.00	22,721	214.82	0.20
29.20	0.00	22,649	214.82	0.20
29.30	0.00	22,578	214.81	0.20
29.40	0.00	22,506	214.81	0.20
29.50	0.00	22,435	214.80	0.20
29.60	0.00	22,364	214.80	0.20
29.70	0.00	22,293	214.80	0.20
29.80	0.00	22,222	214.79	0.20
29.90	0.00	22,151	214.79	0.20
30.00	0.00	22,081	214.78	0.20
30.10	0.00	22,010	214.78	0.20
30.20	0.00	21,940	214.77	0.20
30.30	0.00	21,870	214.77	0.20
30.40	0.00	21,799	214.76	0.19
30.50	0.00	21,729	214.76	0.19
30.60	0.00	21,659	214.75	0.19
30.70	0.00	21,590	214.75	0.19
30.80	0.00	21,520	214.74	0.19
30.90	0.00	21,450	214.74	0.19
31.00	0.00	21,381	214.73	0.19
31.10	0.00	21,312	214.73	0.19

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	21,242	214.72	0.19
31.30	0.00	21,173	214.72	0.19
31.40	0.00	21,104	214.71	0.19
31.50	0.00	21,035	214.71	0.19
31.60	0.00	20,967	214.71	0.19
31.70	0.00	20,898	214.70	0.19
31.80	0.00	20,830	214.70	0.19
31.90	0.00	20,761	214.69	0.19
32.00	0.00	20,693	214.69	0.19
32.10	0.00	20,625	214.68	0.19
32.20	0.00	20,557	214.68	0.19
32.30	0.00	20,489	214.67	0.19
32.40	0.00	20,421	214.67	0.19
32.50	0.00	20,354	214.66	0.19
32.60	0.00	20,286	214.66	0.19
32.70	0.00	20,219	214.65	0.19
32.80	0.00	20,151	214.65	0.19
32.90	0.00	20,084	214.64	0.19
33.00	0.00	20,017	214.64	0.19
33.10	0.00	19,950	214.64	0.19
33.20	0.00	19,883	214.63	0.19
33.30	0.00	19,817	214.63	0.19
33.40	0.00	19,750	214.62	0.18
33.50	0.00	19,684	214.62	0.18
33.60	0.00	19,617	214.61	0.18
33.70	0.00	19,551	214.61	0.18
33.80	0.00	19,485	214.60	0.18
33.90	0.00	19,419	214.60	0.18
34.00	0.00	19,353	214.59	0.18
34.10	0.00	19,287	214.59	0.18
34.20	0.00	19,222	214.58	0.18
34.30	0.00	19,156	214.58	0.18
34.40	0.00	19,091	214.58	0.18
34.50	0.00	19,026	214.57	0.18
34.60	0.00	18,961	214.57	0.18
34.70	0.00	18,896	214.56	0.18
34.80	0.00	18,831	214.56	0.18
34.90	0.00	18,766	214.55	0.18
35.00	0.00	18,701	214.55	0.18
35.10	0.00	18,637	214.54	0.18
35.20	0.00	18,573	214.54	0.18
35.30	0.00	18,508	214.53	0.18
35.40	0.00	18,444	214.53	0.18
35.50	0.00	18,380	214.53	0.18
35.60	0.00	18,316	214.52	0.18
35.70	0.00	18,253	214.52	0.18
35.80	0.00	18,189	214.51	0.18
35.90	0.00	18,125	214.51	0.18
36.00	0.00	18,062	214.50	0.18
36.10	0.00	17,999	214.50	0.18
36.20	0.00	17,936	214.49	0.18
36.30	0.00	17,873	214.49	0.17

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	17,810	214.48	0.17
36.50	0.00	17,747	214.48	0.17
36.60	0.00	17,684	214.48	0.17
36.70	0.00	17,622	214.47	0.17
36.80	0.00	17,559	214.47	0.17
36.90	0.00	17,497	214.46	0.17
37.00	0.00	17,435	214.46	0.17
37.10	0.00	17,373	214.45	0.17
37.20	0.00	17,311	214.45	0.17
37.30	0.00	17,249	214.44	0.17
37.40	0.00	17,188	214.44	0.17
37.50	0.00	17,126	214.44	0.17
37.60	0.00	17,065	214.43	0.17
37.70	0.00	17,004	214.43	0.17
37.80	0.00	16,942	214.42	0.17
37.90	0.00	16,881	214.42	0.17
38.00	0.00	16,821	214.41	0.17
38.10	0.00	16,760	214.41	0.17
38.20	0.00	16,699	214.40	0.17
38.30	0.00	16,639	214.40	0.17
38.40	0.00	16,578	214.40	0.17
38.50	0.00	16,518	214.39	0.17
38.60	0.00	16,458	214.39	0.17
38.70	0.00	16,398	214.38	0.17
38.80	0.00	16,338	214.38	0.17
38.90	0.00	16,278	214.37	0.17
39.00	0.00	16,219	214.37	0.17
39.10	0.00	16,159	214.37	0.17
39.20	0.00	16,100	214.36	0.16
39.30	0.00	16,041	214.36	0.16
39.40	0.00	15,982	214.35	0.16
39.50	0.00	15,923	214.35	0.16
39.60	0.00	15,864	214.34	0.16
39.70	0.00	15,805	214.34	0.16
39.80	0.00	15,746	214.34	0.16
39.90	0.00	15,688	214.33	0.16
40.00	0.00	15,630	214.33	0.16

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848	214.56	14,225	18,873
214.05	12,823	11,976	214.57	14,252	19,016
214.06	12,850	12,105	214.58	14,280	19,158
214.07	12,877	12,233	214.59	14,308	19,301
214.08	12,905	12,362	214.60	14,335	19,444
214.09	12,933	12,491	214.61	14,363	19,588
214.10	12,960	12,621	214.62	14,390	19,732
214.11	12,988	12,750	214.63	14,417	19,876
214.12	13,015	12,881	214.64	14,445	20,020
214.13	13,042	13,011	214.65	14,473	20,165
214.14	13,070	13,141	214.66	14,500	20,310
214.15	13,098	13,272	214.67	14,527	20,455
214.16	13,125	13,403	214.68	14,555	20,600
214.17	13,152	13,535	214.69	14,582	20,746
214.18	13,180	13,666	214.70	14,610	20,892
214.19	13,207	13,798	214.71	14,638	21,038
214.20	13,235	13,930	214.72	14,665	21,184
214.21	13,263	14,063	214.73	14,692	21,331
214.22	13,290	14,196	214.74	14,720	21,478
214.23	13,317	14,329	214.75	14,748	21,626
214.24	13,345	14,462	214.76	14,775	21,773
214.25	13,373	14,596	214.77	14,803	21,921
214.26	13,400	14,730	214.78	14,830	22,069
214.27	13,428	14,864	214.79	14,857	22,218
214.28	13,455	14,998	214.80	14,885	22,367
214.29	13,482	15,133	214.81	14,913	22,515
214.30	13,510	15,268	214.82	14,940	22,665
214.31	13,538	15,403	214.83	14,968	22,814
214.32	13,565	15,538	214.84	14,995	22,964
214.33	13,593	15,674	214.85	15,022	23,114
214.34	13,620	15,810	214.86	15,050	23,265
214.35	13,647	15,947	214.87	15,078	23,415
214.36	13,675	16,083	214.88	15,105	23,566
214.37	13,703	16,220	214.89	15,132	23,717
214.38	13,730	16,357	214.90	15,160	23,869
214.39	13,757	16,495	214.91	15,187	24,020
214.40	13,785	16,633	214.92	15,215	24,172
214.41	13,812	16,770	214.93	15,243	24,325
214.42	13,840	16,909	214.94	15,270	24,477
214.43	13,868	17,047	214.95	15,297	24,630
214.44	13,895	17,186	214.96	15,325	24,783
214.45	13,922	17,325	214.97	15,352	24,937
214.46	13,950	17,465	214.98	15,380	25,090
214.47	13,977	17,604	214.99	15,408	25,244
214.48	14,005	17,744	215.00	15,435	25,399
214.49	14,033	17,884	215.01	15,463	25,553
214.50	14,060	18,025	215.02	15,491	25,708
214.51	14,087	18,165	215.03	15,519	25,863
214.52	14,115	18,307	215.04	15,547	26,018
214.53	14,143	18,448	215.05	15,575	26,174
214.54	14,170	18,589	215.06	15,603	26,330
214.55	14,198	18,731	215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642	215.60	17,119	35,165
215.09	15,688	26,799	215.61	17,147	35,336
215.10	15,716	26,956	215.62	17,175	35,508
215.11	15,744	27,113	215.63	17,203	35,679
215.12	15,772	27,271	215.64	17,231	35,852
215.13	15,800	27,429	215.65	17,259	36,024
215.14	15,828	27,587	215.66	17,287	36,197
215.15	15,856	27,745	215.67	17,315	36,370
215.16	15,884	27,904	215.68	17,343	36,543
215.17	15,912	28,063	215.69	17,371	36,717
215.18	15,940	28,222	215.70	17,399	36,890
215.19	15,968	28,382	215.71	17,427	37,065
215.20	15,996	28,542	215.72	17,455	37,239
215.21	16,024	28,702	215.73	17,483	37,414
215.22	16,052	28,862	215.74	17,511	37,589
215.23	16,080	29,023	215.75	17,540	37,764
215.24	16,108	29,184	215.76	17,568	37,939
215.25	16,137	29,345	215.77	17,596	38,115
215.26	16,165	29,506	215.78	17,624	38,291
215.27	16,193	29,668	215.79	17,652	38,468
215.28	16,221	29,830	215.80	17,680	38,644
215.29	16,249	29,993	215.81	17,708	38,821
215.30	16,277	30,155	215.82	17,736	38,999
215.31	16,305	30,318	215.83	17,764	39,176
215.32	16,333	30,481	215.84	17,792	39,354
215.33	16,361	30,645	215.85	17,820	39,532
215.34	16,389	30,809	215.86	17,848	39,710
215.35	16,417	30,973	215.87	17,876	39,889
215.36	16,445	31,137	215.88	17,904	40,068
215.37	16,473	31,302	215.89	17,932	40,247
215.38	16,501	31,466	215.90	17,960	40,426
215.39	16,529	31,632	215.91	17,988	40,606
215.40	16,557	31,797	215.92	18,017	40,786
215.41	16,585	31,963	215.93	18,045	40,967
215.42	16,614	32,129	215.94	18,073	41,147
215.43	16,642	32,295	215.95	18,101	41,328
215.44	16,670	32,462	215.96	18,129	41,509
215.45	16,698	32,628	215.97	18,157	41,691
215.46	16,726	32,795	215.98	18,185	41,872
215.47	16,754	32,963	215.99	18,213	42,054
215.48	16,782	33,131	216.00	18,241	42,237
215.49	16,810	33,299	216.01	18,279	42,419
215.50	16,838	33,467	216.02	18,317	42,602
215.51	16,866	33,635	216.03	18,356	42,785
215.52	16,894	33,804	216.04	18,394	42,969
215.53	16,922	33,973	216.05	18,432	43,153
215.54	16,950	34,143	216.06	18,470	43,338
215.55	16,978	34,312	216.07	18,508	43,523
215.56	17,006	34,482	216.08	18,546	43,708
215.57	17,034	34,652	216.09	18,585	43,894
215.58	17,062	34,823	216.10	18,623	44,080
215.59	17,091	34,994	216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 6.38" for Current 100 yr event
Inflow = 18.63 cfs @ 12.09 hrs, Volume= 1.240 af
Outflow = 10.16 cfs @ 12.19 hrs, Volume= 1.157 af, Atten= 45%, Lag= 5.6 min
Primary = 10.16 cfs @ 12.19 hrs, Volume= 1.157 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 205.28' @ 12.19 hrs Surf.Area= 5,775 sf Storage= 11,097 cf

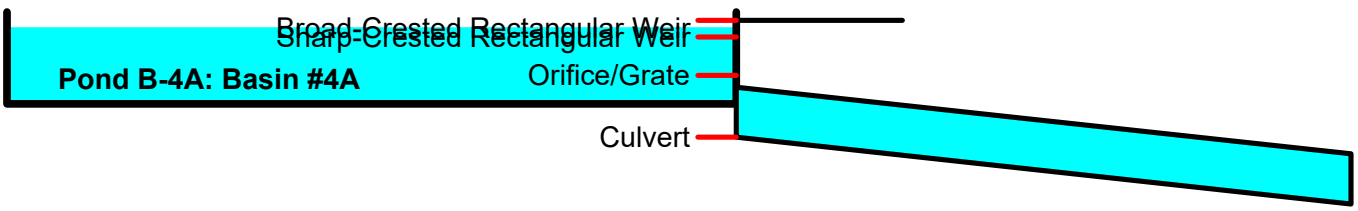
Plug-Flow detention time= 81.9 min calculated for 1.155 af (93% of inflow)
Center-of-Mass det. time= 44.9 min (824.0 - 779.2)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

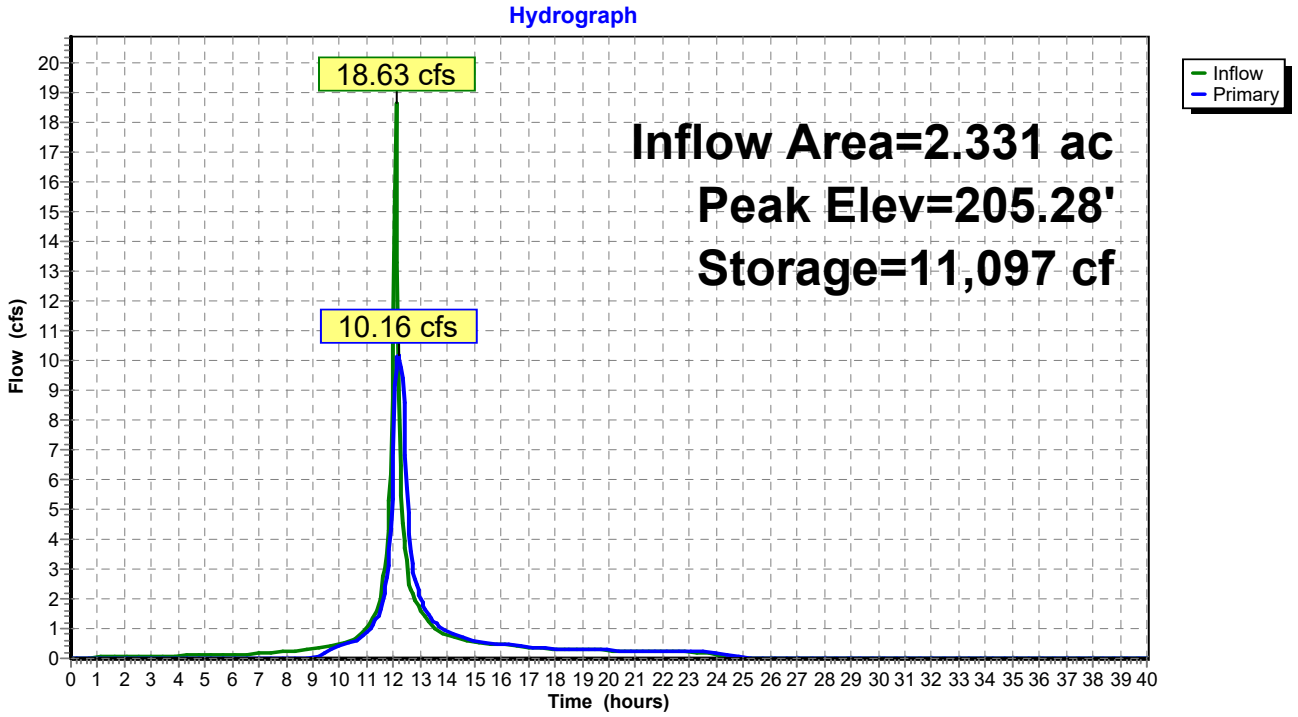
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=10.14 cfs @ 12.19 hrs HW=205.27' (Free Discharge)
- **1=Culvert** (Inlet Controls 10.14 cfs @ 5.74 fps)
  - **2=Orifice/Grate** (Passes < 13.71 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 1.85 cfs potential flow)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.01	1	203.00	0.00
0.70	0.01	4	203.00	0.00
0.80	0.02	9	203.00	0.00
0.90	0.02	16	203.00	0.00
1.00	0.03	24	203.01	0.00
1.10	0.03	34	203.01	0.00
1.20	0.03	46	203.01	0.00
1.30	0.04	59	203.02	0.00
1.40	0.04	73	203.02	0.00
1.50	0.04	89	203.02	0.00
1.60	0.05	105	203.03	0.00
1.70	0.05	123	203.03	0.00
1.80	0.05	141	203.04	0.00
1.90	0.06	161	203.04	0.00
2.00	0.06	181	203.05	0.00
2.10	0.06	202	203.05	0.00
2.20	0.06	224	203.06	0.00
2.30	0.06	247	203.06	0.00
2.40	0.07	270	203.07	0.00
2.50	0.07	294	203.07	0.00
2.60	0.07	319	203.08	0.00
2.70	0.07	344	203.09	0.00
2.80	0.07	370	203.09	0.00
2.90	0.07	397	203.10	0.00
3.00	0.08	424	203.11	0.00
3.10	0.08	452	203.11	0.00
3.20	0.08	480	203.12	0.00
3.30	0.08	509	203.13	0.00
3.40	0.08	538	203.14	0.00
3.50	0.08	568	203.14	0.00
3.60	0.08	598	203.15	0.00
3.70	0.09	629	203.16	0.00
3.80	0.09	660	203.17	0.00
3.90	0.09	692	203.17	0.00
4.00	0.09	724	203.18	0.00
4.10	0.09	756	203.19	0.00
4.20	0.09	789	203.20	0.00
4.30	0.09	822	203.21	0.00
4.40	0.09	856	203.21	0.00
4.50	0.10	890	203.22	0.00
4.60	0.10	925	203.23	0.00
4.70	0.10	960	203.24	0.00
4.80	0.10	995	203.25	0.00
4.90	0.10	1,031	203.26	0.00
5.00	0.10	1,067	203.27	0.00
5.10	0.10	1,103	203.27	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	1,140	203.28	0.00
5.30	0.10	1,177	203.29	0.00
5.40	0.10	1,214	203.30	0.00
5.50	0.11	1,252	203.31	0.00
5.60	0.11	1,290	203.32	0.00
5.70	0.11	1,329	203.33	0.00
5.80	0.11	1,368	203.34	0.00
5.90	0.11	1,407	203.35	0.00
6.00	0.11	1,447	203.36	0.00
6.10	0.11	1,487	203.37	0.00
6.20	0.12	1,528	203.38	0.00
6.30	0.12	1,570	203.39	0.00
6.40	0.12	1,614	203.40	0.00
6.50	0.13	1,659	203.41	0.00
6.60	0.13	1,706	203.42	0.00
6.70	0.14	1,756	203.43	0.00
6.80	0.14	1,807	203.44	0.00
6.90	0.15	1,859	203.45	0.00
7.00	0.16	1,914	203.47	0.00
7.10	0.16	1,971	203.48	0.00
7.20	0.17	2,030	203.49	0.00
7.30	0.17	2,091	203.51	0.00
7.40	0.18	2,154	203.52	0.00
7.50	0.18	2,219	203.54	0.00
7.60	0.19	2,287	203.55	0.00
7.70	0.20	2,356	203.57	0.00
7.80	0.20	2,428	203.59	0.00
7.90	0.21	2,502	203.60	0.00
8.00	0.22	2,578	203.62	0.00
8.10	0.22	2,657	203.64	0.00
8.20	0.23	2,738	203.66	0.00
8.30	0.23	2,822	203.67	0.00
8.40	0.24	2,907	203.69	0.00
8.50	0.25	2,996	203.71	0.00
8.60	0.26	3,087	203.73	0.00
8.70	0.26	3,180	203.75	0.00
8.80	0.27	3,276	203.78	0.00
8.90	0.28	3,374	203.80	0.00
9.00	0.29	3,476	203.82	0.00
9.10	0.30	3,581	203.84	0.00
9.20	0.32	3,690	203.87	0.02
9.30	0.34	3,792	203.89	0.07
9.40	0.36	3,881	203.91	0.13
9.50	0.38	3,957	203.92	0.19
9.60	0.40	4,019	203.94	0.24
9.70	0.42	4,070	203.95	0.29
9.80	0.45	4,113	203.96	0.34
9.90	0.47	4,150	203.96	0.37
10.00	0.49	4,183	203.97	0.41
10.10	0.52	4,211	203.98	0.44
10.20	0.54	4,238	203.98	0.47
10.30	0.56	4,263	203.99	0.50

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.59	4,287	203.99	0.52
10.50	0.62	4,311	204.00	0.55
10.60	0.69	4,341	204.00	0.59
10.70	0.77	4,382	204.01	0.64
10.80	0.85	4,433	204.02	0.70
10.90	0.94	4,490	204.04	0.78
11.00	1.03	4,550	204.05	0.86
11.10	1.17	4,622	204.06	0.95
11.20	1.34	4,710	204.08	1.08
11.30	1.51	4,810	204.10	1.23
11.40	1.69	4,915	204.13	1.39
11.50	1.85	5,022	204.15	1.56
11.60	2.78	5,240	204.19	1.93
11.70	3.14	5,527	204.25	2.44
11.80	4.29	5,880	204.32	3.11
11.90	6.16	6,454	204.43	4.30
12.00	10.83	7,575	204.65	6.89
12.10	**18.57**	9,838	205.06	9.71
12.20	8.67	**11,079**	**205.28**	**10.15**
12.30	5.46	9,930	205.08	9.74
12.40	3.95	8,247	204.78	8.58
12.50	3.61	7,082	204.56	5.72
12.60	2.49	6,394	204.42	4.17
12.70	2.21	5,918	204.33	3.19
12.80	2.02	5,634	204.27	2.64
12.90	1.83	5,442	204.23	2.28
13.00	1.64	5,292	204.20	2.02
13.10	1.45	5,162	204.18	1.79
13.20	1.34	5,051	204.15	1.61
13.30	1.24	4,962	204.13	1.46
13.40	1.13	4,883	204.12	1.34
13.50	1.03	4,809	204.10	1.23
13.60	0.93	4,738	204.09	1.12
13.70	0.89	4,678	204.08	1.03
13.80	0.87	4,634	204.07	0.97
13.90	0.84	4,600	204.06	0.92
14.00	0.81	4,572	204.05	0.88
14.10	0.79	4,547	204.05	0.85
14.20	0.76	4,524	204.04	0.82
14.30	0.73	4,502	204.04	0.79
14.40	0.71	4,481	204.03	0.76
14.50	0.68	4,460	204.03	0.74
14.60	0.65	4,439	204.03	0.71
14.70	0.62	4,417	204.02	0.68
14.80	0.60	4,396	204.02	0.65
14.90	0.57	4,375	204.01	0.63
15.00	0.54	4,353	204.01	0.60
15.10	0.52	4,332	204.00	0.58
15.20	0.51	4,312	204.00	0.55
15.30	0.50	4,297	204.00	0.54
15.40	0.49	4,286	203.99	0.52
15.50	0.48	4,276	203.99	0.51

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.48	4,267	203.99	0.50
15.70	0.47	4,259	203.99	0.49
15.80	0.46	4,252	203.99	0.48
15.90	0.46	4,245	203.98	0.48
16.00	0.45	4,238	203.98	0.47
16.10	0.44	4,231	203.98	0.46
16.20	0.44	4,224	203.98	0.45
16.30	0.43	4,218	203.98	0.45
16.40	0.42	4,211	203.98	0.44
16.50	0.41	4,204	203.98	0.43
16.60	0.41	4,197	203.97	0.42
16.70	0.40	4,191	203.97	0.42
16.80	0.39	4,184	203.97	0.41
16.90	0.39	4,178	203.97	0.40
17.00	0.38	4,171	203.97	0.40
17.10	0.37	4,165	203.97	0.39
17.20	0.36	4,158	203.97	0.38
17.30	0.35	4,151	203.96	0.37
17.40	0.35	4,144	203.96	0.37
17.50	0.34	4,138	203.96	0.36
17.60	0.33	4,131	203.96	0.35
17.70	0.33	4,124	203.96	0.35
17.80	0.32	4,117	203.96	0.34
17.90	0.31	4,110	203.96	0.33
18.00	0.31	4,102	203.95	0.33
18.10	0.30	4,095	203.95	0.32
18.20	0.30	4,088	203.95	0.31
18.30	0.29	4,083	203.95	0.31
18.40	0.29	4,079	203.95	0.30
18.50	0.29	4,075	203.95	0.30
18.60	0.29	4,072	203.95	0.30
18.70	0.29	4,069	203.95	0.29
18.80	0.28	4,067	203.95	0.29
18.90	0.28	4,065	203.95	0.29
19.00	0.28	4,063	203.95	0.29
19.10	0.28	4,060	203.95	0.28
19.20	0.28	4,058	203.94	0.28
19.30	0.28	4,056	203.94	0.28
19.40	0.27	4,055	203.94	0.28
19.50	0.27	4,053	203.94	0.28
19.60	0.27	4,051	203.94	0.28
19.70	0.27	4,049	203.94	0.27
19.80	0.27	4,047	203.94	0.27
19.90	0.27	4,046	203.94	0.27
20.00	0.26	4,044	203.94	0.27
20.10	0.26	4,042	203.94	0.27
20.20	0.26	4,040	203.94	0.26
20.30	0.26	4,038	203.94	0.26
20.40	0.26	4,036	203.94	0.26
20.50	0.25	4,034	203.94	0.26
20.60	0.25	4,032	203.94	0.26
20.70	0.25	4,031	203.94	0.26

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.25	4,029	203.94	0.25
20.90	0.25	4,027	203.94	0.25
21.00	0.24	4,025	203.94	0.25
21.10	0.24	4,023	203.94	0.25
21.20	0.24	4,021	203.94	0.25
21.30	0.24	4,019	203.94	0.24
21.40	0.24	4,017	203.94	0.24
21.50	0.24	4,015	203.94	0.24
21.60	0.23	4,013	203.94	0.24
21.70	0.23	4,012	203.93	0.24
21.80	0.23	4,010	203.93	0.24
21.90	0.23	4,008	203.93	0.23
22.00	0.23	4,006	203.93	0.23
22.10	0.22	4,003	203.93	0.23
22.20	0.22	4,001	203.93	0.23
22.30	0.22	3,999	203.93	0.23
22.40	0.22	3,997	203.93	0.23
22.50	0.22	3,995	203.93	0.22
22.60	0.22	3,993	203.93	0.22
22.70	0.21	3,991	203.93	0.22
22.80	0.21	3,988	203.93	0.22
22.90	0.21	3,986	203.93	0.22
23.00	0.21	3,984	203.93	0.21
23.10	0.21	3,982	203.93	0.21
23.20	0.20	3,980	203.93	0.21
23.30	0.20	3,977	203.93	0.21
23.40	0.20	3,975	203.93	0.21
23.50	0.20	3,973	203.93	0.21
23.60	0.20	3,971	203.93	0.20
23.70	0.20	3,969	203.93	0.20
23.80	0.19	3,966	203.93	0.20
23.90	0.19	3,964	203.92	0.20
24.00	0.23	3,969	203.93	0.20
24.10	0.03	3,942	203.92	0.18
24.20	0.00	3,889	203.91	0.14
24.30	0.00	3,846	203.90	0.11
24.40	0.00	3,811	203.89	0.09
24.50	0.00	3,784	203.89	0.07
24.60	0.00	3,762	203.88	0.05
24.70	0.00	3,745	203.88	0.05
24.80	0.00	3,729	203.87	0.04
24.90	0.00	3,716	203.87	0.03
25.00	0.00	3,705	203.87	0.03
25.10	0.00	3,694	203.87	0.03
25.20	0.00	3,686	203.86	0.02
25.30	0.00	3,678	203.86	0.02
25.40	0.00	3,671	203.86	0.02
25.50	0.00	3,666	203.86	0.01
25.60	0.00	3,661	203.86	0.01
25.70	0.00	3,656	203.86	0.01
25.80	0.00	3,653	203.86	0.01
25.90	0.00	3,649	203.86	0.01

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,646	203.86	0.01
26.10	0.00	3,644	203.86	0.01
26.20	0.00	3,642	203.86	0.01
26.30	0.00	3,640	203.85	0.00
26.40	0.00	3,638	203.85	0.00
26.50	0.00	3,637	203.85	0.00
26.60	0.00	3,635	203.85	0.00
26.70	0.00	3,634	203.85	0.00
26.80	0.00	3,633	203.85	0.00
26.90	0.00	3,632	203.85	0.00
27.00	0.00	3,632	203.85	0.00
27.10	0.00	3,631	203.85	0.00
27.20	0.00	3,631	203.85	0.00
27.30	0.00	3,630	203.85	0.00
27.40	0.00	3,630	203.85	0.00
27.50	0.00	3,629	203.85	0.00
27.60	0.00	3,629	203.85	0.00
27.70	0.00	3,628	203.85	0.00
27.80	0.00	3,628	203.85	0.00
27.90	0.00	3,628	203.85	0.00
28.00	0.00	3,627	203.85	0.00
28.10	0.00	3,627	203.85	0.00
28.20	0.00	3,627	203.85	0.00
28.30	0.00	3,626	203.85	0.00
28.40	0.00	3,626	203.85	0.00
28.50	0.00	3,626	203.85	0.00
28.60	0.00	3,626	203.85	0.00
28.70	0.00	3,625	203.85	0.00
28.80	0.00	3,625	203.85	0.00
28.90	0.00	3,625	203.85	0.00
29.00	0.00	3,625	203.85	0.00
29.10	0.00	3,624	203.85	0.00
29.20	0.00	3,624	203.85	0.00
29.30	0.00	3,624	203.85	0.00
29.40	0.00	3,624	203.85	0.00
29.50	0.00	3,624	203.85	0.00
29.60	0.00	3,623	203.85	0.00
29.70	0.00	3,623	203.85	0.00
29.80	0.00	3,623	203.85	0.00
29.90	0.00	3,623	203.85	0.00
30.00	0.00	3,623	203.85	0.00
30.10	0.00	3,623	203.85	0.00
30.20	0.00	3,622	203.85	0.00
30.30	0.00	3,622	203.85	0.00
30.40	0.00	3,622	203.85	0.00
30.50	0.00	3,622	203.85	0.00
30.60	0.00	3,622	203.85	0.00
30.70	0.00	3,622	203.85	0.00
30.80	0.00	3,622	203.85	0.00
30.90	0.00	3,622	203.85	0.00
31.00	0.00	3,621	203.85	0.00
31.10	0.00	3,621	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,621	203.85	0.00
31.30	0.00	3,621	203.85	0.00
31.40	0.00	3,621	203.85	0.00
31.50	0.00	3,621	203.85	0.00
31.60	0.00	3,621	203.85	0.00
31.70	0.00	3,621	203.85	0.00
31.80	0.00	3,621	203.85	0.00
31.90	0.00	3,621	203.85	0.00
32.00	0.00	3,621	203.85	0.00
32.10	0.00	3,620	203.85	0.00
32.20	0.00	3,620	203.85	0.00
32.30	0.00	3,620	203.85	0.00
32.40	0.00	3,620	203.85	0.00
32.50	0.00	3,620	203.85	0.00
32.60	0.00	3,620	203.85	0.00
32.70	0.00	3,620	203.85	0.00
32.80	0.00	3,620	203.85	0.00
32.90	0.00	3,620	203.85	0.00
33.00	0.00	3,620	203.85	0.00
33.10	0.00	3,620	203.85	0.00
33.20	0.00	3,620	203.85	0.00
33.30	0.00	3,620	203.85	0.00
33.40	0.00	3,620	203.85	0.00
33.50	0.00	3,620	203.85	0.00
33.60	0.00	3,620	203.85	0.00
33.70	0.00	3,620	203.85	0.00
33.80	0.00	3,620	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0	203.52	4,334	2,144
203.01	3,920	39	203.53	4,342	2,187
203.02	3,928	78	203.54	4,350	2,231
203.03	3,936	118	203.55	4,359	2,274
203.04	3,944	157	203.56	4,367	2,318
203.05	3,953	197	203.57	4,375	2,362
203.06	3,961	236	203.58	4,383	2,406
203.07	3,969	276	203.59	4,391	2,449
203.08	3,977	316	203.60	4,399	2,493
203.09	3,985	355	203.61	4,407	2,537
203.10	3,993	395	203.62	4,415	2,582
203.11	4,001	435	203.63	4,424	2,626
203.12	4,009	475	203.64	4,432	2,670
203.13	4,018	515	203.65	4,440	2,714
203.14	4,026	556	203.66	4,448	2,759
203.15	4,034	596	203.67	4,456	2,803
203.16	4,042	636	203.68	4,464	2,848
203.17	4,050	677	203.69	4,472	2,893
203.18	4,058	717	203.70	4,480	2,937
203.19	4,066	758	203.71	4,489	2,982
203.20	4,074	799	203.72	4,497	3,027
203.21	4,083	839	203.73	4,505	3,072
203.22	4,091	880	203.74	4,513	3,117
203.23	4,099	921	203.75	4,521	3,162
203.24	4,107	962	203.76	4,529	3,208
203.25	4,115	1,003	203.77	4,537	3,253
203.26	4,123	1,045	203.78	4,545	3,298
203.27	4,131	1,086	203.79	4,553	3,344
203.28	4,139	1,127	203.80	4,562	3,389
203.29	4,147	1,169	203.81	4,570	3,435
203.30	4,156	1,210	203.82	4,578	3,481
203.31	4,164	1,252	203.83	4,586	3,527
203.32	4,172	1,293	203.84	4,594	3,573
203.33	4,180	1,335	203.85	4,602	3,619
203.34	4,188	1,377	203.86	4,610	3,665
203.35	4,196	1,419	203.87	4,618	3,711
203.36	4,204	1,461	203.88	4,627	3,757
203.37	4,212	1,503	203.89	4,635	3,803
203.38	4,221	1,545	203.90	4,643	3,850
203.39	4,229	1,587	203.91	4,651	3,896
203.40	4,237	1,630	203.92	4,659	3,943
203.41	4,245	1,672	203.93	4,667	3,989
203.42	4,253	1,715	203.94	4,675	4,036
203.43	4,261	1,757	203.95	4,683	4,083
203.44	4,269	1,800	203.96	4,692	4,130
203.45	4,277	1,843	203.97	4,700	4,177
203.46	4,286	1,885	203.98	4,708	4,224
203.47	4,294	1,928	203.99	4,716	4,271
203.48	4,302	1,971	204.00	4,724	4,318
203.49	4,310	2,014	204.01	4,733	4,365
203.50	4,318	2,058	204.02	4,742	4,413
203.51	4,326	2,101	204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 6.38" for Current 100 yr event
Inflow = 17.86 cfs @ 12.11 hrs, Volume= 1.240 af
Outflow = 9.91 cfs @ 12.21 hrs, Volume= 1.156 af, Atten= 45%, Lag= 5.9 min
Primary = 9.91 cfs @ 12.21 hrs, Volume= 1.156 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 205.16' @ 12.21 hrs Surf.Area= 6,508 sf Storage= 11,663 cf

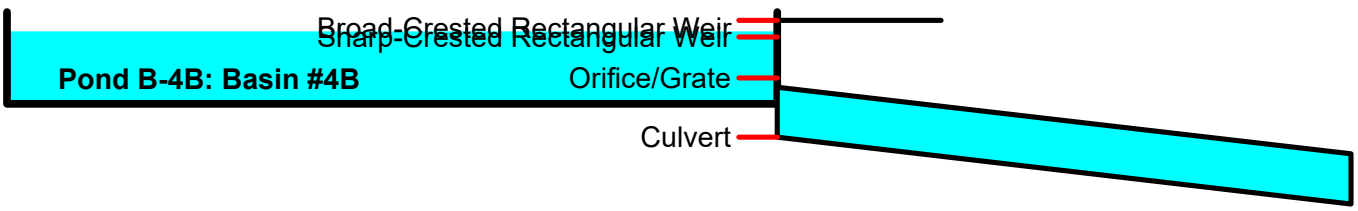
Plug-Flow detention time= 84.1 min calculated for 1.155 af (93% of inflow)
Center-of-Mass det. time= 46.8 min (827.0 - 780.2)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

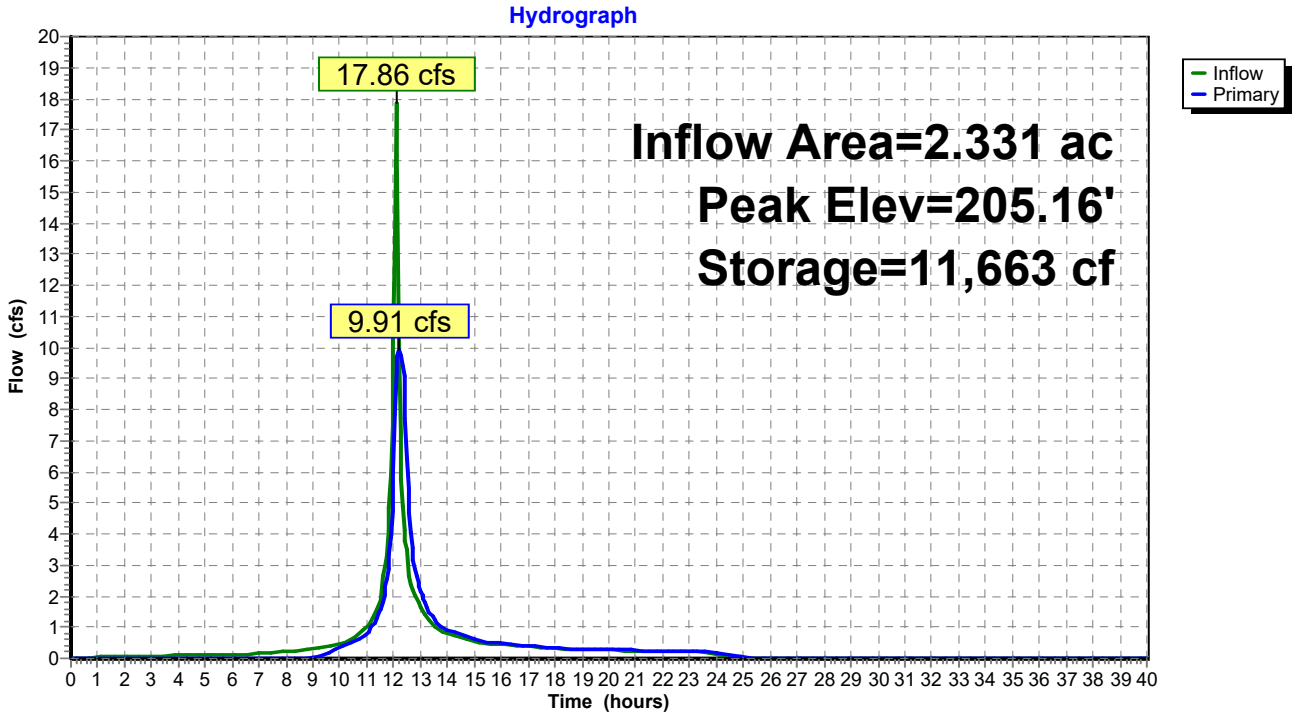
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=9.88 cfs @ 12.21 hrs HW=205.15' (Free Discharge)
- **1=Culvert** (Inlet Controls 9.88 cfs @ 5.59 fps)
  - **2=Orifice/Grate** (Passes < 13.26 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 0.74 cfs potential flow)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.01	1	203.00	0.00
0.70	0.01	4	203.00	0.00
0.80	0.02	9	203.00	0.00
0.90	0.02	16	203.00	0.00
1.00	0.03	24	203.01	0.00
1.10	0.03	34	203.01	0.00
1.20	0.03	46	203.01	0.00
1.30	0.04	59	203.01	0.00
1.40	0.04	73	203.02	0.00
1.50	0.04	89	203.02	0.00
1.60	0.05	105	203.02	0.00
1.70	0.05	123	203.03	0.00
1.80	0.05	141	203.03	0.00
1.90	0.06	161	203.04	0.00
2.00	0.06	181	203.04	0.00
2.10	0.06	202	203.05	0.00
2.20	0.06	224	203.05	0.00
2.30	0.06	247	203.06	0.00
2.40	0.07	270	203.06	0.00
2.50	0.07	294	203.07	0.00
2.60	0.07	319	203.07	0.00
2.70	0.07	344	203.08	0.00
2.80	0.07	370	203.09	0.00
2.90	0.07	397	203.09	0.00
3.00	0.08	424	203.10	0.00
3.10	0.08	452	203.10	0.00
3.20	0.08	480	203.11	0.00
3.30	0.08	509	203.12	0.00
3.40	0.08	538	203.12	0.00
3.50	0.08	568	203.13	0.00
3.60	0.08	598	203.14	0.00
3.70	0.09	629	203.14	0.00
3.80	0.09	660	203.15	0.00
3.90	0.09	692	203.16	0.00
4.00	0.09	724	203.17	0.00
4.10	0.09	756	203.17	0.00
4.20	0.09	789	203.18	0.00
4.30	0.09	822	203.19	0.00
4.40	0.09	856	203.20	0.00
4.50	0.10	890	203.20	0.00
4.60	0.10	925	203.21	0.00
4.70	0.10	960	203.22	0.00
4.80	0.10	995	203.23	0.00
4.90	0.10	1,031	203.23	0.00
5.00	0.10	1,067	203.24	0.00
5.10	0.10	1,103	203.25	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	1,140	203.26	0.00
5.30	0.10	1,177	203.27	0.00
5.40	0.10	1,214	203.27	0.00
5.50	0.11	1,252	203.28	0.00
5.60	0.11	1,290	203.29	0.00
5.70	0.11	1,329	203.30	0.00
5.80	0.11	1,368	203.31	0.00
5.90	0.11	1,407	203.32	0.00
6.00	0.11	1,447	203.32	0.00
6.10	0.11	1,487	203.33	0.00
6.20	0.12	1,528	203.34	0.00
6.30	0.12	1,570	203.35	0.00
6.40	0.12	1,613	203.36	0.00
6.50	0.13	1,659	203.37	0.00
6.60	0.13	1,706	203.38	0.00
6.70	0.14	1,755	203.39	0.00
6.80	0.14	1,805	203.40	0.00
6.90	0.15	1,858	203.41	0.00
7.00	0.15	1,912	203.42	0.00
7.10	0.16	1,969	203.44	0.00
7.20	0.17	2,028	203.45	0.00
7.30	0.17	2,088	203.46	0.00
7.40	0.18	2,151	203.47	0.00
7.50	0.18	2,216	203.49	0.00
7.60	0.19	2,283	203.50	0.00
7.70	0.20	2,352	203.52	0.00
7.80	0.20	2,423	203.53	0.00
7.90	0.21	2,497	203.55	0.00
8.00	0.21	2,573	203.56	0.00
8.10	0.22	2,651	203.58	0.00
8.20	0.23	2,732	203.60	0.00
8.30	0.23	2,815	203.61	0.00
8.40	0.24	2,900	203.63	0.00
8.50	0.25	2,988	203.65	0.00
8.60	0.25	3,078	203.67	0.00
8.70	0.26	3,171	203.68	0.00
8.80	0.27	3,267	203.70	0.00
8.90	0.28	3,365	203.72	0.00
9.00	0.28	3,465	203.74	0.00
9.10	0.30	3,570	203.76	0.00
9.20	0.32	3,680	203.79	0.01
9.30	0.34	3,789	203.81	0.05
9.40	0.36	3,889	203.83	0.10
9.50	0.38	3,975	203.84	0.16
9.60	0.40	4,050	203.86	0.21
9.70	0.42	4,112	203.87	0.26
9.80	0.44	4,165	203.88	0.30
9.90	0.47	4,211	203.89	0.35
10.00	0.49	4,251	203.90	0.39
10.10	0.51	4,286	203.90	0.42
10.20	0.54	4,318	203.91	0.45
10.30	0.56	4,348	203.92	0.48

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.59	4,376	203.92	0.51
10.50	0.61	4,403	203.93	0.54
10.60	0.68	4,434	203.93	0.57
10.70	0.76	4,478	203.94	0.62
10.80	0.84	4,531	203.95	0.68
10.90	0.93	4,592	203.96	0.75
11.00	1.01	4,657	203.97	0.83
11.10	1.16	4,732	203.99	0.92
11.20	1.32	4,824	204.01	1.03
11.30	1.49	4,930	204.03	1.18
11.40	1.66	5,044	204.05	1.33
11.50	1.82	5,160	204.07	1.50
11.60	2.67	5,359	204.11	1.79
11.70	3.09	5,670	204.16	2.28
11.80	4.13	6,020	204.23	2.87
11.90	5.87	6,584	204.33	3.90
12.00	10.12	7,628	204.51	5.99
12.10	**17.67**	9,713	204.85	9.26
12.20	9.98	**11,642**	**205.16**	**9.90**
12.30	5.73	10,835	205.03	9.64
12.40	4.11	9,231	204.78	9.08
12.50	3.65	7,826	204.54	6.41
12.60	2.63	6,997	204.40	4.70
12.70	2.23	6,391	204.29	3.54
12.80	2.04	6,017	204.23	2.87
12.90	1.86	5,769	204.18	2.44
13.00	1.67	5,582	204.15	2.14
13.10	1.48	5,424	204.12	1.89
13.20	1.35	5,290	204.09	1.69
13.30	1.25	5,182	204.07	1.53
13.40	1.15	5,089	204.06	1.39
13.50	1.04	5,004	204.04	1.28
13.60	0.94	4,924	204.02	1.17
13.70	0.90	4,852	204.01	1.07
13.80	0.87	4,798	204.00	1.00
13.90	0.84	4,756	203.99	0.95
14.00	0.82	4,722	203.99	0.91
14.10	0.79	4,692	203.98	0.87
14.20	0.76	4,665	203.98	0.84
14.30	0.74	4,640	203.97	0.81
14.40	0.71	4,616	203.97	0.78
14.50	0.68	4,592	203.96	0.75
14.60	0.65	4,569	203.96	0.72
14.70	0.63	4,545	203.95	0.69
14.80	0.60	4,522	203.95	0.67
14.90	0.57	4,498	203.94	0.64
15.00	0.55	4,474	203.94	0.61
15.10	0.52	4,450	203.93	0.59
15.20	0.51	4,428	203.93	0.56
15.30	0.50	4,410	203.93	0.54
15.40	0.49	4,395	203.92	0.53
15.50	0.49	4,384	203.92	0.52

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.48	4,373	203.92	0.51
15.70	0.47	4,364	203.92	0.50
15.80	0.46	4,355	203.92	0.49
15.90	0.46	4,347	203.92	0.48
16.00	0.45	4,339	203.91	0.47
16.10	0.44	4,332	203.91	0.46
16.20	0.44	4,325	203.91	0.46
16.30	0.43	4,318	203.91	0.45
16.40	0.42	4,311	203.91	0.44
16.50	0.41	4,304	203.91	0.43
16.60	0.41	4,296	203.91	0.43
16.70	0.40	4,289	203.90	0.42
16.80	0.39	4,282	203.90	0.41
16.90	0.39	4,274	203.90	0.41
17.00	0.38	4,267	203.90	0.40
17.10	0.37	4,259	203.90	0.39
17.20	0.36	4,252	203.90	0.39
17.30	0.36	4,244	203.90	0.38
17.40	0.35	4,236	203.89	0.37
17.50	0.34	4,228	203.89	0.36
17.60	0.34	4,221	203.89	0.36
17.70	0.33	4,213	203.89	0.35
17.80	0.32	4,205	203.89	0.34
17.90	0.31	4,198	203.89	0.34
18.00	0.31	4,190	203.88	0.33
18.10	0.30	4,182	203.88	0.32
18.20	0.30	4,175	203.88	0.31
18.30	0.29	4,169	203.88	0.31
18.40	0.29	4,164	203.88	0.30
18.50	0.29	4,160	203.88	0.30
18.60	0.29	4,157	203.88	0.30
18.70	0.29	4,154	203.88	0.30
18.80	0.28	4,151	203.88	0.29
18.90	0.28	4,148	203.88	0.29
19.00	0.28	4,145	203.88	0.29
19.10	0.28	4,143	203.88	0.29
19.20	0.28	4,141	203.88	0.28
19.30	0.28	4,138	203.87	0.28
19.40	0.27	4,136	203.87	0.28
19.50	0.27	4,134	203.87	0.28
19.60	0.27	4,131	203.87	0.28
19.70	0.27	4,129	203.87	0.28
19.80	0.27	4,127	203.87	0.27
19.90	0.27	4,125	203.87	0.27
20.00	0.26	4,123	203.87	0.27
20.10	0.26	4,120	203.87	0.27
20.20	0.26	4,118	203.87	0.27
20.30	0.26	4,116	203.87	0.26
20.40	0.26	4,114	203.87	0.26
20.50	0.25	4,111	203.87	0.26
20.60	0.25	4,109	203.87	0.26
20.70	0.25	4,107	203.87	0.26

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.25	4,105	203.87	0.26
20.90	0.25	4,103	203.87	0.25
21.00	0.25	4,101	203.87	0.25
21.10	0.24	4,098	203.87	0.25
21.20	0.24	4,096	203.87	0.25
21.30	0.24	4,094	203.87	0.25
21.40	0.24	4,092	203.87	0.24
21.50	0.24	4,090	203.87	0.24
21.60	0.23	4,087	203.86	0.24
21.70	0.23	4,085	203.86	0.24
21.80	0.23	4,083	203.86	0.24
21.90	0.23	4,081	203.86	0.24
22.00	0.23	4,079	203.86	0.23
22.10	0.23	4,076	203.86	0.23
22.20	0.22	4,074	203.86	0.23
22.30	0.22	4,072	203.86	0.23
22.40	0.22	4,070	203.86	0.23
22.50	0.22	4,067	203.86	0.22
22.60	0.22	4,065	203.86	0.22
22.70	0.21	4,063	203.86	0.22
22.80	0.21	4,061	203.86	0.22
22.90	0.21	4,058	203.86	0.22
23.00	0.21	4,056	203.86	0.22
23.10	0.21	4,054	203.86	0.21
23.20	0.21	4,052	203.86	0.21
23.30	0.20	4,050	203.86	0.21
23.40	0.20	4,047	203.86	0.21
23.50	0.20	4,045	203.86	0.21
23.60	0.20	4,043	203.86	0.20
23.70	0.20	4,041	203.86	0.20
23.80	0.19	4,039	203.86	0.20
23.90	0.19	4,036	203.86	0.20
24.00	0.23	4,039	203.86	0.20
24.10	0.05	4,024	203.85	0.19
24.20	0.00	3,970	203.84	0.15
24.30	0.00	3,922	203.83	0.12
24.40	0.00	3,884	203.83	0.09
24.50	0.00	3,853	203.82	0.08
24.60	0.00	3,828	203.81	0.06
24.70	0.00	3,806	203.81	0.05
24.80	0.00	3,788	203.81	0.05
24.90	0.00	3,773	203.80	0.04
25.00	0.00	3,761	203.80	0.03
25.10	0.00	3,750	203.80	0.03
25.20	0.00	3,741	203.80	0.02
25.30	0.00	3,734	203.80	0.02
25.40	0.00	3,727	203.79	0.02
25.50	0.00	3,720	203.79	0.02
25.60	0.00	3,714	203.79	0.02
25.70	0.00	3,709	203.79	0.01
25.80	0.00	3,704	203.79	0.01
25.90	0.00	3,700	203.79	0.01

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,696	203.79	0.01
26.10	0.00	3,692	203.79	0.01
26.20	0.00	3,689	203.79	0.01
26.30	0.00	3,685	203.79	0.01
26.40	0.00	3,683	203.79	0.01
26.50	0.00	3,680	203.79	0.01
26.60	0.00	3,678	203.78	0.01
26.70	0.00	3,676	203.78	0.01
26.80	0.00	3,674	203.78	0.01
26.90	0.00	3,672	203.78	0.00
27.00	0.00	3,670	203.78	0.00
27.10	0.00	3,669	203.78	0.00
27.20	0.00	3,667	203.78	0.00
27.30	0.00	3,666	203.78	0.00
27.40	0.00	3,665	203.78	0.00
27.50	0.00	3,664	203.78	0.00
27.60	0.00	3,663	203.78	0.00
27.70	0.00	3,662	203.78	0.00
27.80	0.00	3,661	203.78	0.00
27.90	0.00	3,660	203.78	0.00
28.00	0.00	3,660	203.78	0.00
28.10	0.00	3,659	203.78	0.00
28.20	0.00	3,658	203.78	0.00
28.30	0.00	3,658	203.78	0.00
28.40	0.00	3,658	203.78	0.00
28.50	0.00	3,657	203.78	0.00
28.60	0.00	3,657	203.78	0.00
28.70	0.00	3,656	203.78	0.00
28.80	0.00	3,656	203.78	0.00
28.90	0.00	3,656	203.78	0.00
29.00	0.00	3,655	203.78	0.00
29.10	0.00	3,655	203.78	0.00
29.20	0.00	3,655	203.78	0.00
29.30	0.00	3,655	203.78	0.00
29.40	0.00	3,655	203.78	0.00
29.50	0.00	3,654	203.78	0.00
29.60	0.00	3,654	203.78	0.00
29.70	0.00	3,654	203.78	0.00
29.80	0.00	3,654	203.78	0.00
29.90	0.00	3,654	203.78	0.00
30.00	0.00	3,654	203.78	0.00
30.10	0.00	3,654	203.78	0.00
30.20	0.00	3,654	203.78	0.00
30.30	0.00	3,653	203.78	0.00
30.40	0.00	3,653	203.78	0.00
30.50	0.00	3,653	203.78	0.00
30.60	0.00	3,653	203.78	0.00
30.70	0.00	3,653	203.78	0.00
30.80	0.00	3,653	203.78	0.00
30.90	0.00	3,653	203.78	0.00
31.00	0.00	3,653	203.78	0.00
31.10	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,653	203.78	0.00
31.30	0.00	3,653	203.78	0.00
31.40	0.00	3,653	203.78	0.00
31.50	0.00	3,653	203.78	0.00
31.60	0.00	3,653	203.78	0.00
31.70	0.00	3,653	203.78	0.00
31.80	0.00	3,653	203.78	0.00
31.90	0.00	3,653	203.78	0.00
32.00	0.00	3,653	203.78	0.00
32.10	0.00	3,653	203.78	0.00
32.20	0.00	3,653	203.78	0.00
32.30	0.00	3,653	203.78	0.00
32.40	0.00	3,653	203.78	0.00
32.50	0.00	3,653	203.78	0.00
32.60	0.00	3,653	203.78	0.00
32.70	0.00	3,653	203.78	0.00
32.80	0.00	3,653	203.78	0.00
32.90	0.00	3,653	203.78	0.00
33.00	0.00	3,653	203.78	0.00
33.10	0.00	3,653	203.78	0.00
33.20	0.00	3,653	203.78	0.00
33.30	0.00	3,653	203.78	0.00
33.40	0.00	3,653	203.78	0.00
33.50	0.00	3,653	203.78	0.00
33.60	0.00	3,653	203.78	0.00
33.70	0.00	3,653	203.78	0.00
33.80	0.00	3,653	203.78	0.00
33.90	0.00	3,653	203.78	0.00
34.00	0.00	3,653	203.78	0.00
34.10	0.00	3,653	203.78	0.00
34.20	0.00	3,653	203.78	0.00
34.30	0.00	3,653	203.78	0.00
34.40	0.00	3,653	203.78	0.00
34.50	0.00	3,653	203.78	0.00
34.60	0.00	3,653	203.78	0.00
34.70	0.00	3,653	203.78	0.00
34.80	0.00	3,653	203.78	0.00
34.90	0.00	3,653	203.78	0.00
35.00	0.00	3,653	203.78	0.00
35.10	0.00	3,653	203.78	0.00
35.20	0.00	3,653	203.78	0.00
35.30	0.00	3,653	203.78	0.00
35.40	0.00	3,653	203.78	0.00
35.50	0.00	3,653	203.78	0.00
35.60	0.00	3,653	203.78	0.00
35.70	0.00	3,653	203.78	0.00
35.80	0.00	3,653	203.78	0.00
35.90	0.00	3,653	203.78	0.00
36.00	0.00	3,653	203.78	0.00
36.10	0.00	3,653	203.78	0.00
36.20	0.00	3,653	203.78	0.00
36.30	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,653	203.78	0.00
36.50	0.00	3,653	203.78	0.00
36.60	0.00	3,653	203.78	0.00
36.70	0.00	3,653	203.78	0.00
36.80	0.00	3,653	203.78	0.00
36.90	0.00	3,653	203.78	0.00
37.00	0.00	3,653	203.78	0.00
37.10	0.00	3,653	203.78	0.00
37.20	0.00	3,653	203.78	0.00
37.30	0.00	3,653	203.78	0.00
37.40	0.00	3,653	203.78	0.00
37.50	0.00	3,653	203.78	0.00
37.60	0.00	3,653	203.78	0.00
37.70	0.00	3,653	203.78	0.00
37.80	0.00	3,653	203.78	0.00
37.90	0.00	3,653	203.78	0.00
38.00	0.00	3,653	203.78	0.00
38.10	0.00	3,653	203.78	0.00
38.20	0.00	3,653	203.78	0.00
38.30	0.00	3,653	203.78	0.00
38.40	0.00	3,653	203.78	0.00
38.50	0.00	3,653	203.78	0.00
38.60	0.00	3,653	203.78	0.00
38.70	0.00	3,653	203.78	0.00
38.80	0.00	3,653	203.78	0.00
38.90	0.00	3,653	203.78	0.00
39.00	0.00	3,653	203.78	0.00
39.10	0.00	3,653	203.78	0.00
39.20	0.00	3,653	203.78	0.00
39.30	0.00	3,653	203.78	0.00
39.40	0.00	3,653	203.78	0.00
39.50	0.00	3,653	203.78	0.00
39.60	0.00	3,653	203.78	0.00
39.70	0.00	3,653	203.78	0.00
39.80	0.00	3,653	203.78	0.00
39.90	0.00	3,653	203.78	0.00
40.00	0.00	3,653	203.78	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0	203.52	4,813	2,367
203.01	4,302	43	203.53	4,823	2,415
203.02	4,312	86	203.54	4,833	2,464
203.03	4,322	129	203.55	4,843	2,512
203.04	4,332	172	203.56	4,853	2,561
203.05	4,342	216	203.57	4,863	2,609
203.06	4,352	259	203.58	4,873	2,658
203.07	4,362	303	203.59	4,883	2,707
203.08	4,372	347	203.60	4,893	2,756
203.09	4,382	390	203.61	4,903	2,805
203.10	4,392	434	203.62	4,913	2,854
203.11	4,402	478	203.63	4,923	2,903
203.12	4,412	522	203.64	4,933	2,952
203.13	4,422	566	203.65	4,943	3,001
203.14	4,432	611	203.66	4,953	3,051
203.15	4,442	655	203.67	4,963	3,101
203.16	4,452	700	203.68	4,973	3,150
203.17	4,462	744	203.69	4,983	3,200
203.18	4,472	789	203.70	4,993	3,250
203.19	4,482	834	203.71	5,003	3,300
203.20	4,492	878	203.72	5,013	3,350
203.21	4,502	923	203.73	5,023	3,400
203.22	4,512	968	203.74	5,033	3,450
203.23	4,522	1,014	203.75	5,044	3,501
203.24	4,532	1,059	203.76	5,054	3,551
203.25	4,543	1,104	203.77	5,064	3,602
203.26	4,553	1,150	203.78	5,074	3,653
203.27	4,563	1,195	203.79	5,084	3,703
203.28	4,573	1,241	203.80	5,094	3,754
203.29	4,583	1,287	203.81	5,104	3,805
203.30	4,593	1,333	203.82	5,114	3,856
203.31	4,603	1,379	203.83	5,124	3,907
203.32	4,613	1,425	203.84	5,134	3,959
203.33	4,623	1,471	203.85	5,144	4,010
203.34	4,633	1,517	203.86	5,154	4,062
203.35	4,643	1,564	203.87	5,164	4,113
203.36	4,653	1,610	203.88	5,174	4,165
203.37	4,663	1,657	203.89	5,184	4,217
203.38	4,673	1,703	203.90	5,194	4,269
203.39	4,683	1,750	203.91	5,204	4,321
203.40	4,693	1,797	203.92	5,214	4,373
203.41	4,703	1,844	203.93	5,224	4,425
203.42	4,713	1,891	203.94	5,234	4,477
203.43	4,723	1,938	203.95	5,244	4,530
203.44	4,733	1,985	203.96	5,254	4,582
203.45	4,743	2,033	203.97	5,264	4,635
203.46	4,753	2,080	203.98	5,274	4,687
203.47	4,763	2,128	203.99	5,284	4,740
203.48	4,773	2,176	204.00	5,294	4,793
203.49	4,783	2,223	204.01	5,305	4,846
203.50	4,793	2,271	204.02	5,316	4,899
203.51	4,803	2,319	204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006
204.05	5,349	5,059
204.06	5,360	5,113
204.07	5,371	5,166
204.08	5,382	5,220
204.09	5,393	5,274
204.10	5,404	5,328
204.11	5,415	5,382
204.12	5,426	5,436
204.13	5,437	5,491
204.14	5,448	5,545
204.15	5,459	5,599
204.16	5,470	5,654
204.17	5,481	5,709
204.18	5,492	5,764
204.19	5,503	5,819
204.20	5,514	5,874
204.21	5,525	5,929
204.22	5,536	5,984
204.23	5,547	6,040
204.24	5,558	6,095
204.25	5,569	6,151
204.26	5,580	6,207
204.27	5,591	6,262
204.28	5,602	6,318
204.29	5,613	6,374
204.30	5,624	6,431
204.31	5,635	6,487
204.32	5,646	6,543
204.33	5,657	6,600
204.34	5,668	6,656
204.35	5,679	6,713
204.36	5,690	6,770
204.37	5,701	6,827
204.38	5,712	6,884
204.39	5,723	6,941
204.40	5,734	6,999
204.41	5,745	7,056
204.42	5,756	7,113
204.43	5,767	7,171
204.44	5,778	7,229
204.45	5,789	7,287
204.46	5,800	7,345
204.47	5,811	7,403
204.48	5,822	7,461
204.49	5,833	7,519
204.50	5,844	7,577
204.51	5,854	7,636
204.52	5,865	7,694
204.53	5,876	7,753
204.54	5,887	7,812
204.55	5,898	7,871
204.56	5,909	7,930
204.57	5,920	7,989
204.58	5,931	8,048
204.59	5,942	8,108
204.60	5,953	8,167
204.61	5,964	8,227
204.62	5,975	8,287
204.63	5,986	8,346
204.64	5,997	8,406
204.65	6,008	8,466
204.66	6,019	8,526
204.67	6,030	8,587
204.68	6,041	8,647
204.69	6,052	8,707
204.70	6,063	8,768
204.71	6,074	8,829
204.72	6,085	8,890
204.73	6,096	8,950
204.74	6,107	9,011
204.75	6,118	9,073
204.76	6,129	9,134
204.77	6,140	9,195
204.78	6,151	9,257
204.79	6,162	9,318
204.80	6,173	9,380
204.81	6,184	9,442
204.82	6,195	9,504
204.83	6,206	9,566
204.84	6,217	9,628
204.85	6,228	9,690
204.86	6,239	9,752
204.87	6,250	9,815
204.88	6,261	9,877
204.89	6,272	9,940
204.90	6,283	10,003
204.91	6,294	10,066
204.92	6,305	10,129
204.93	6,316	10,192
204.94	6,327	10,255
204.95	6,338	10,318
204.96	6,349	10,382
204.97	6,360	10,445
204.98	6,371	10,509
204.99	6,382	10,573
205.00	6,393	10,637
205.01	6,400	10,700
205.02	6,407	10,765
205.03	6,415	10,829
205.04	6,422	10,893
205.05	6,429	10,957
205.06	6,436	11,021
205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 5.87" for Current 100 yr event
Inflow = 24.00 cfs @ 12.10 hrs, Volume= 2.614 af
Outflow = 0.77 cfs @ 17.81 hrs, Volume= 1.009 af, Atten= 97%, Lag= 342.7 min
Primary = 0.77 cfs @ 17.81 hrs, Volume= 1.009 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 205.25' @ 17.81 hrs Surf.Area= 19,380 sf Storage= 90,528 cf

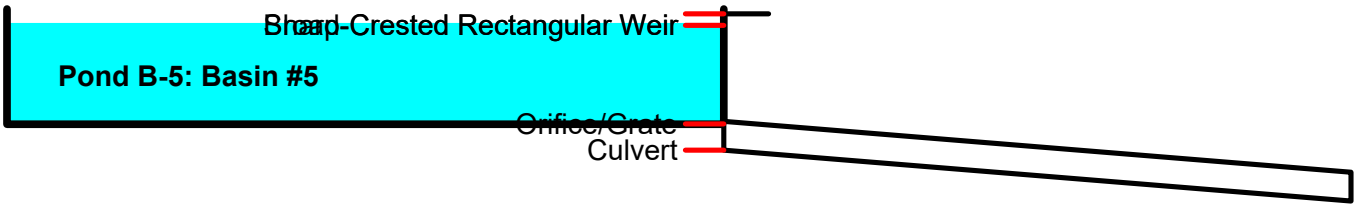
Plug-Flow detention time= 776.8 min calculated for 1.009 af (39% of inflow)
Center-of-Mass det. time= 653.7 min (1,477.8 - 824.1)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

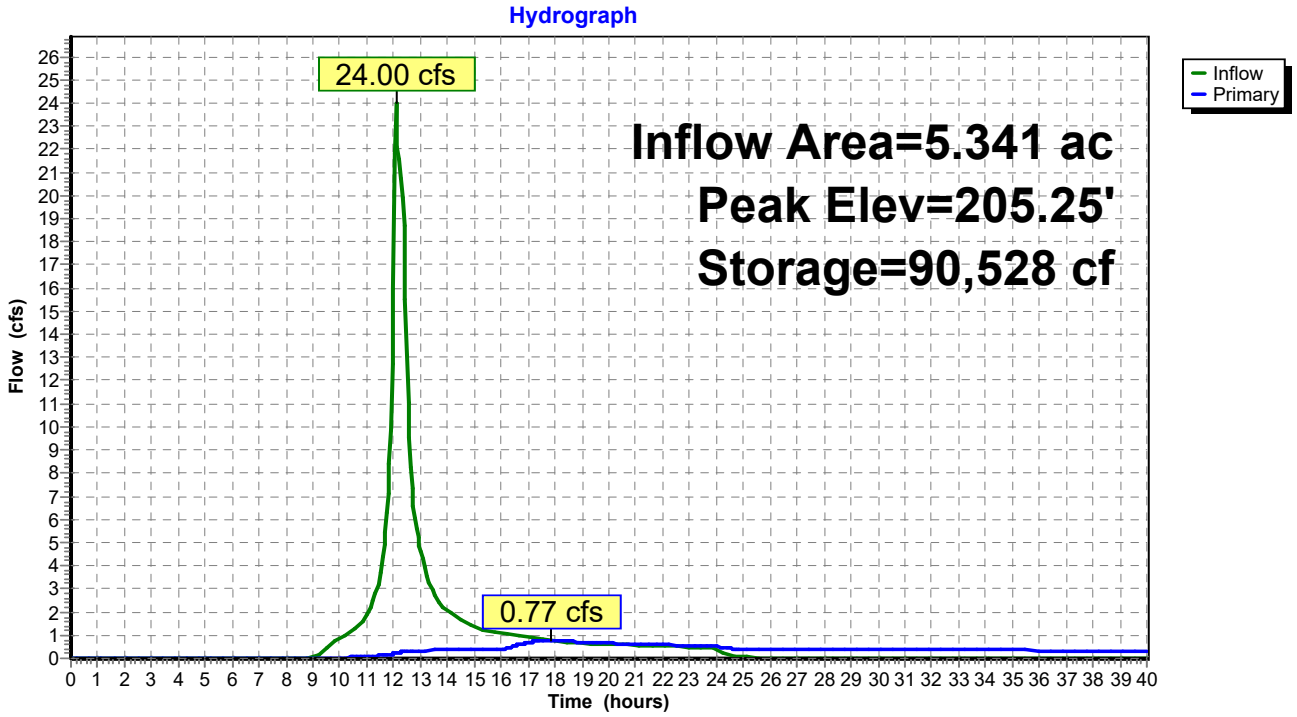
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.75 cfs @ 17.81 hrs HW=205.25' (Free Discharge)
- **1=Culvert** (Passes 0.75 cfs of 20.57 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.37 cfs @ 10.90 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.38 cfs @ 1.01 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	0	200.00	0.00
1.50	0.00	0	200.00	0.00
1.60	0.00	0	200.00	0.00
1.70	0.00	0	200.00	0.00
1.80	0.00	0	200.00	0.00
1.90	0.00	0	200.00	0.00
2.00	0.00	0	200.00	0.00
2.10	0.00	0	200.00	0.00
2.20	0.00	0	200.00	0.00
2.30	0.00	0	200.00	0.00
2.40	0.00	0	200.00	0.00
2.50	0.00	0	200.00	0.00
2.60	0.00	0	200.00	0.00
2.70	0.00	0	200.00	0.00
2.80	0.00	0	200.00	0.00
2.90	0.00	0	200.00	0.00
3.00	0.00	0	200.00	0.00
3.10	0.00	0	200.00	0.00
3.20	0.00	0	200.00	0.00
3.30	0.00	0	200.00	0.00
3.40	0.00	0	200.00	0.00
3.50	0.00	0	200.00	0.00
3.60	0.00	0	200.00	0.00
3.70	0.00	0	200.00	0.00
3.80	0.00	0	200.00	0.00
3.90	0.00	0	200.00	0.00
4.00	0.00	0	200.00	0.00
4.10	0.00	0	200.00	0.00
4.20	0.00	0	200.00	0.00
4.30	0.00	0	200.00	0.00
4.40	0.00	0	200.00	0.00
4.50	0.00	0	200.00	0.00
4.60	0.00	0	200.00	0.00
4.70	0.00	0	200.00	0.00
4.80	0.00	0	200.00	0.00
4.90	0.00	0	200.00	0.00
5.00	0.00	0	200.00	0.00
5.10	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	200.00	0.00
5.30	0.00	0	200.00	0.00
5.40	0.00	0	200.00	0.00
5.50	0.00	0	200.00	0.00
5.60	0.00	0	200.00	0.00
5.70	0.00	0	200.00	0.00
5.80	0.00	0	200.00	0.00
5.90	0.00	0	200.00	0.00
6.00	0.00	0	200.00	0.00
6.10	0.00	0	200.00	0.00
6.20	0.00	0	200.00	0.00
6.30	0.00	0	200.00	0.00
6.40	0.00	0	200.00	0.00
6.50	0.00	1	200.00	0.00
6.60	0.00	2	200.00	0.00
6.70	0.00	3	200.00	0.00
6.80	0.01	5	200.00	0.00
6.90	0.01	7	200.00	0.00
7.00	0.01	9	200.00	0.00
7.10	0.01	12	200.00	0.00
7.20	0.01	15	200.00	0.00
7.30	0.01	19	200.00	0.00
7.40	0.01	23	200.00	0.00
7.50	0.01	28	200.00	0.00
7.60	0.02	33	200.00	0.00
7.70	0.02	39	200.00	0.00
7.80	0.02	45	200.00	0.00
7.90	0.02	52	200.00	0.00
8.00	0.02	59	200.00	0.00
8.10	0.02	67	200.00	0.00
8.20	0.02	76	200.00	0.00
8.30	0.03	85	200.01	0.00
8.40	0.03	95	200.01	0.00
8.50	0.03	105	200.01	0.00
8.60	0.03	116	200.01	0.00
8.70	0.03	128	200.01	0.00
8.80	0.04	140	200.01	0.00
8.90	0.04	153	200.01	0.00
9.00	0.04	167	200.01	0.00
9.10	0.04	182	200.01	0.00
9.20	0.08	202	200.01	0.00
9.30	0.17	245	200.02	0.00
9.40	0.28	327	200.02	0.00
9.50	0.41	452	200.03	0.00
9.60	0.52	618	200.04	0.00
9.70	0.63	824	200.05	0.00
9.80	0.72	1,064	200.07	0.01
9.90	0.80	1,335	200.09	0.01
10.00	0.88	1,634	200.11	0.01
10.10	0.95	1,958	200.13	0.02
10.20	1.02	2,303	200.15	0.03
10.30	1.08	2,669	200.17	0.04

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	1.14	3,056	200.20	0.04
10.50	1.21	3,462	200.22	0.05
10.60	1.29	3,892	200.25	0.06
10.70	1.41	4,356	200.28	0.06
10.80	1.55	4,865	200.31	0.07
10.90	1.72	5,428	200.35	0.08
11.00	1.90	6,049	200.39	0.08
11.10	2.12	6,742	200.43	0.09
11.20	2.41	7,524	200.48	0.10
11.30	2.74	8,415	200.54	0.11
11.40	3.10	9,428	200.60	0.11
11.50	3.49	10,572	200.67	0.12
11.60	4.40	11,945	200.76	0.13
11.70	5.49	13,677	200.87	0.14
11.80	7.09	15,887	201.01	0.15
11.90	9.86	18,871	201.19	0.17
12.00	15.94	23,421	201.47	0.19
12.10	**23.99**	30,866	201.92	0.22
12.20	21.91	38,895	202.40	0.25
12.30	20.74	46,468	202.84	0.27
12.40	18.68	53,493	203.24	0.29
12.50	13.08	59,042	203.55	0.30
12.60	9.51	62,951	203.77	0.31
12.70	7.32	65,836	203.93	0.32
12.80	6.05	68,110	204.05	0.33
12.90	5.22	70,011	204.16	0.33
13.00	4.60	71,652	204.25	0.33
13.10	4.07	73,088	204.32	0.34
13.20	3.66	74,354	204.39	0.34
13.30	3.32	75,485	204.45	0.34
13.40	3.04	76,505	204.51	0.34
13.50	2.78	77,427	204.56	0.35
13.60	2.54	78,258	204.60	0.35
13.70	2.35	79,011	204.64	0.35
13.80	2.21	79,704	204.68	0.35
13.90	2.10	80,352	204.71	0.35
14.00	2.01	80,965	204.75	0.35
14.10	1.93	81,548	204.78	0.35
14.20	1.86	82,103	204.81	0.36
14.30	1.80	82,634	204.83	0.36
14.40	1.73	83,141	204.86	0.36
14.50	1.67	83,624	204.89	0.36
14.60	1.61	84,085	204.91	0.36
14.70	1.55	84,523	204.93	0.36
14.80	1.49	84,939	204.95	0.36
14.90	1.43	85,333	204.98	0.36
15.00	1.37	85,705	204.99	0.36
15.10	1.31	86,055	205.01	0.36
15.20	1.26	86,385	205.03	0.36
15.30	1.22	86,699	205.05	0.36
15.40	1.19	87,001	205.06	0.36
15.50	1.16	87,292	205.08	0.37

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	1.14	87,575	205.09	0.37
15.70	1.12	87,849	205.11	0.37
15.80	1.10	88,116	205.12	0.37
15.90	1.08	88,377	205.13	0.37
16.00	1.06	88,631	205.15	0.37
16.10	1.05	88,876	205.16	0.38
16.20	1.03	89,105	205.17	0.43
16.30	1.01	89,311	205.18	0.47
16.40	1.00	89,498	205.19	0.50
16.50	0.98	89,666	205.20	0.54
16.60	0.97	89,817	205.21	0.57
16.70	0.95	89,952	205.22	0.60
16.80	0.93	90,072	205.22	0.62
16.90	0.92	90,174	205.23	0.66
17.00	0.90	90,260	205.23	0.68
17.10	0.88	90,331	205.24	0.71
17.20	0.87	90,389	205.24	0.72
17.30	0.85	90,435	205.24	0.74
17.40	0.83	90,470	205.24	0.75
17.50	0.82	90,496	205.24	0.76
17.60	0.80	90,514	205.24	0.76
17.70	0.79	90,524	205.25	0.77
17.80	0.77	**90,528**	**205.25**	**0.77**
17.90	0.75	90,526	205.25	0.77
18.00	0.74	90,519	205.24	0.77
18.10	0.72	90,506	205.24	0.76
18.20	0.71	90,490	205.24	0.76
18.30	0.70	90,472	205.24	0.75
18.40	0.69	90,452	205.24	0.74
18.50	0.68	90,432	205.24	0.74
18.60	0.67	90,411	205.24	0.73
18.70	0.67	90,391	205.24	0.72
18.80	0.66	90,371	205.24	0.72
18.90	0.66	90,351	205.24	0.71
19.00	0.65	90,332	205.24	0.71
19.10	0.65	90,314	205.23	0.70
19.20	0.64	90,295	205.23	0.69
19.30	0.64	90,278	205.23	0.69
19.40	0.64	90,261	205.23	0.68
19.50	0.63	90,244	205.23	0.68
19.60	0.63	90,227	205.23	0.67
19.70	0.62	90,211	205.23	0.67
19.80	0.62	90,196	205.23	0.66
19.90	0.62	90,181	205.23	0.66
20.00	0.61	90,166	205.23	0.65
20.10	0.61	90,151	205.23	0.65
20.20	0.60	90,136	205.23	0.64
20.30	0.60	90,122	205.22	0.64
20.40	0.59	90,107	205.22	0.63
20.50	0.59	90,093	205.22	0.63
20.60	0.59	90,079	205.22	0.63
20.70	0.58	90,065	205.22	0.62

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.58	90,052	205.22	0.62
20.90	0.57	90,038	205.22	0.61
21.00	0.57	90,024	205.22	0.61
21.10	0.57	90,010	205.22	0.61
21.20	0.56	89,995	205.22	0.60
21.30	0.56	89,980	205.22	0.60
21.40	0.55	89,964	205.22	0.60
21.50	0.55	89,948	205.22	0.59
21.60	0.55	89,932	205.21	0.59
21.70	0.54	89,915	205.21	0.59
21.80	0.54	89,899	205.21	0.58
21.90	0.53	89,882	205.21	0.58
22.00	0.53	89,865	205.21	0.58
22.10	0.53	89,847	205.21	0.57
22.20	0.52	89,830	205.21	0.57
22.30	0.52	89,812	205.21	0.57
22.40	0.51	89,794	205.21	0.56
22.50	0.51	89,776	205.21	0.56
22.60	0.51	89,757	205.21	0.56
22.70	0.50	89,739	205.20	0.55
22.80	0.50	89,720	205.20	0.55
22.90	0.49	89,701	205.20	0.55
23.00	0.49	89,682	205.20	0.54
23.10	0.48	89,663	205.20	0.54
23.20	0.48	89,644	205.20	0.53
23.30	0.48	89,625	205.20	0.53
23.40	0.47	89,605	205.20	0.53
23.50	0.47	89,586	205.20	0.52
23.60	0.46	89,566	205.20	0.52
23.70	0.46	89,546	205.19	0.51
23.80	0.46	89,526	205.19	0.51
23.90	0.45	89,507	205.19	0.51
24.00	0.47	89,491	205.19	0.50
24.10	0.37	89,459	205.19	0.50
24.20	0.29	89,400	205.19	0.49
24.30	0.23	89,321	205.18	0.47
24.40	0.18	89,228	205.18	0.45
24.50	0.15	89,127	205.17	0.43
24.60	0.12	89,023	205.17	0.41
24.70	0.10	88,918	205.16	0.39
24.80	0.08	88,813	205.16	0.38
24.90	0.07	88,707	205.15	0.37
25.00	0.06	88,599	205.15	0.37
25.10	0.05	88,487	205.14	0.37
25.20	0.04	88,372	205.13	0.37
25.30	0.04	88,255	205.13	0.37
25.40	0.04	88,137	205.12	0.37
25.50	0.03	88,017	205.12	0.37
25.60	0.03	87,896	205.11	0.37
25.70	0.03	87,774	205.10	0.37
25.80	0.02	87,650	205.10	0.37
25.90	0.02	87,526	205.09	0.37

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.02	87,402	205.08	0.37
26.10	0.02	87,276	205.08	0.37
26.20	0.01	87,151	205.07	0.37
26.30	0.01	87,024	205.06	0.36
26.40	0.01	86,897	205.06	0.36
26.50	0.01	86,770	205.05	0.36
26.60	0.01	86,643	205.04	0.36
26.70	0.01	86,515	205.04	0.36
26.80	0.01	86,387	205.03	0.36
26.90	0.01	86,259	205.02	0.36
27.00	0.01	86,131	205.02	0.36
27.10	0.01	86,002	205.01	0.36
27.20	0.01	85,873	205.00	0.36
27.30	0.00	85,745	205.00	0.36
27.40	0.00	85,616	204.99	0.36
27.50	0.00	85,487	204.98	0.36
27.60	0.00	85,358	204.98	0.36
27.70	0.00	85,229	204.97	0.36
27.80	0.00	85,100	204.96	0.36
27.90	0.00	84,972	204.96	0.36
28.00	0.00	84,843	204.95	0.36
28.10	0.00	84,714	204.94	0.36
28.20	0.00	84,585	204.94	0.36
28.30	0.00	84,456	204.93	0.36
28.40	0.00	84,328	204.92	0.36
28.50	0.00	84,199	204.92	0.36
28.60	0.00	84,070	204.91	0.36
28.70	0.00	83,942	204.90	0.36
28.80	0.00	83,813	204.90	0.36
28.90	0.00	83,685	204.89	0.36
29.00	0.00	83,556	204.88	0.36
29.10	0.00	83,428	204.88	0.36
29.20	0.00	83,300	204.87	0.36
29.30	0.00	83,171	204.86	0.36
29.40	0.00	83,043	204.86	0.36
29.50	0.00	82,915	204.85	0.36
29.60	0.00	82,787	204.84	0.36
29.70	0.00	82,659	204.84	0.36
29.80	0.00	82,531	204.83	0.36
29.90	0.00	82,403	204.82	0.36
30.00	0.00	82,276	204.81	0.36
30.10	0.00	82,148	204.81	0.36
30.20	0.00	82,020	204.80	0.35
30.30	0.00	81,893	204.79	0.35
30.40	0.00	81,765	204.79	0.35
30.50	0.00	81,638	204.78	0.35
30.60	0.00	81,511	204.77	0.35
30.70	0.00	81,383	204.77	0.35
30.80	0.00	81,256	204.76	0.35
30.90	0.00	81,129	204.75	0.35
31.00	0.00	81,002	204.75	0.35
31.10	0.00	80,876	204.74	0.35

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	80,749	204.73	0.35
31.30	0.00	80,622	204.73	0.35
31.40	0.00	80,495	204.72	0.35
31.50	0.00	80,369	204.71	0.35
31.60	0.00	80,243	204.71	0.35
31.70	0.00	80,116	204.70	0.35
31.80	0.00	79,990	204.69	0.35
31.90	0.00	79,864	204.69	0.35
32.00	0.00	79,738	204.68	0.35
32.10	0.00	79,612	204.67	0.35
32.20	0.00	79,486	204.67	0.35
32.30	0.00	79,360	204.66	0.35
32.40	0.00	79,234	204.65	0.35
32.50	0.00	79,109	204.65	0.35
32.60	0.00	78,983	204.64	0.35
32.70	0.00	78,858	204.63	0.35
32.80	0.00	78,732	204.63	0.35
32.90	0.00	78,607	204.62	0.35
33.00	0.00	78,482	204.61	0.35
33.10	0.00	78,357	204.61	0.35
33.20	0.00	78,232	204.60	0.35
33.30	0.00	78,107	204.59	0.35
33.40	0.00	77,982	204.59	0.35
33.50	0.00	77,857	204.58	0.35
33.60	0.00	77,732	204.57	0.35
33.70	0.00	77,608	204.57	0.35
33.80	0.00	77,483	204.56	0.35
33.90	0.00	77,359	204.55	0.35
34.00	0.00	77,235	204.55	0.35
34.10	0.00	77,111	204.54	0.34
34.20	0.00	76,987	204.53	0.34
34.30	0.00	76,863	204.53	0.34
34.40	0.00	76,739	204.52	0.34
34.50	0.00	76,615	204.51	0.34
34.60	0.00	76,491	204.51	0.34
34.70	0.00	76,367	204.50	0.34
34.80	0.00	76,244	204.49	0.34
34.90	0.00	76,120	204.49	0.34
35.00	0.00	75,997	204.48	0.34
35.10	0.00	75,874	204.47	0.34
35.20	0.00	75,751	204.47	0.34
35.30	0.00	75,628	204.46	0.34
35.40	0.00	75,505	204.45	0.34
35.50	0.00	75,382	204.45	0.34
35.60	0.00	75,259	204.44	0.34
35.70	0.00	75,136	204.43	0.34
35.80	0.00	75,014	204.43	0.34
35.90	0.00	74,891	204.42	0.34
36.00	0.00	74,769	204.41	0.34
36.10	0.00	74,646	204.41	0.34
36.20	0.00	74,524	204.40	0.34
36.30	0.00	74,402	204.40	0.34

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	74,280	204.39	0.34
36.50	0.00	74,158	204.38	0.34
36.60	0.00	74,036	204.38	0.34
36.70	0.00	73,914	204.37	0.34
36.80	0.00	73,793	204.36	0.34
36.90	0.00	73,671	204.36	0.34
37.00	0.00	73,549	204.35	0.34
37.10	0.00	73,428	204.34	0.34
37.20	0.00	73,307	204.34	0.34
37.30	0.00	73,186	204.33	0.34
37.40	0.00	73,064	204.32	0.34
37.50	0.00	72,943	204.32	0.34
37.60	0.00	72,823	204.31	0.34
37.70	0.00	72,702	204.30	0.34
37.80	0.00	72,581	204.30	0.34
37.90	0.00	72,460	204.29	0.34
38.00	0.00	72,340	204.28	0.33
38.10	0.00	72,219	204.28	0.33
38.20	0.00	72,099	204.27	0.33
38.30	0.00	71,979	204.26	0.33
38.40	0.00	71,858	204.26	0.33
38.50	0.00	71,738	204.25	0.33
38.60	0.00	71,618	204.24	0.33
38.70	0.00	71,499	204.24	0.33
38.80	0.00	71,379	204.23	0.33
38.90	0.00	71,259	204.23	0.33
39.00	0.00	71,139	204.22	0.33
39.10	0.00	71,020	204.21	0.33
39.20	0.00	70,901	204.21	0.33
39.30	0.00	70,781	204.20	0.33
39.40	0.00	70,662	204.19	0.33
39.50	0.00	70,543	204.19	0.33
39.60	0.00	70,424	204.18	0.33
39.70	0.00	70,305	204.17	0.33
39.80	0.00	70,186	204.17	0.33
39.90	0.00	70,067	204.16	0.33
40.00	0.00	69,949	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0
200.01	15,461	155
200.02	15,468	309
200.03	15,474	464
200.04	15,480	619
200.05	15,487	774
200.06	15,493	928
200.07	15,499	1,083
200.08	15,506	1,238
200.09	15,512	1,394
200.10	15,518	1,549
200.11	15,525	1,704
200.12	15,531	1,859
200.13	15,537	2,014
200.14	15,543	2,170
200.15	15,550	2,325
200.16	15,556	2,481
200.17	15,562	2,636
200.18	15,569	2,792
200.19	15,575	2,948
200.20	15,581	3,104
200.21	15,588	3,259
200.22	15,594	3,415
200.23	15,600	3,571
200.24	15,607	3,727
200.25	15,613	3,884
200.26	15,619	4,040
200.27	15,626	4,196
200.28	15,632	4,352
200.29	15,638	4,509
200.30	15,645	4,665
200.31	15,651	4,821
200.32	15,657	4,978
200.33	15,664	5,135
200.34	15,670	5,291
200.35	15,676	5,448
200.36	15,683	5,605
200.37	15,689	5,762
200.38	15,695	5,919
200.39	15,701	6,076
200.40	15,708	6,233
200.41	15,714	6,390
200.42	15,720	6,547
200.43	15,727	6,704
200.44	15,733	6,861
200.45	15,739	7,019
200.46	15,746	7,176
200.47	15,752	7,334
200.48	15,758	7,491
200.49	15,765	7,649
200.50	15,771	7,807
200.51	15,777	7,964
200.52	15,784	8,122
200.53	15,790	8,280
200.54	15,796	8,438
200.55	15,803	8,596
200.56	15,809	8,754
200.57	15,815	8,912
200.58	15,822	9,070
200.59	15,828	9,228
200.60	15,834	9,387
200.61	15,841	9,545
200.62	15,847	9,704
200.63	15,853	9,862
200.64	15,859	10,021
200.65	15,866	10,179
200.66	15,872	10,338
200.67	15,878	10,497
200.68	15,885	10,656
200.69	15,891	10,814
200.70	15,897	10,973
200.71	15,904	11,132
200.72	15,910	11,291
200.73	15,916	11,451
200.74	15,923	11,610
200.75	15,929	11,769
200.76	15,935	11,928
200.77	15,942	12,088
200.78	15,948	12,247
200.79	15,954	12,407
200.80	15,961	12,566
200.81	15,967	12,726
200.82	15,973	12,886
200.83	15,980	13,045
200.84	15,986	13,205
200.85	15,992	13,365
200.86	15,999	13,525
200.87	16,005	13,685
200.88	16,011	13,845
200.89	16,017	14,005
200.90	16,024	14,165
200.91	16,030	14,326
200.92	16,036	14,486
200.93	16,043	14,646
200.94	16,049	14,807
200.95	16,055	14,967
200.96	16,062	15,128
200.97	16,068	15,289
200.98	16,074	15,449
200.99	16,081	15,610
201.00	16,087	15,771
201.01	16,094	15,932
201.02	16,101	16,093
201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415	201.56	16,472	24,888
201.05	16,121	16,576	201.57	16,479	25,052
201.06	16,128	16,737	201.58	16,486	25,217
201.07	16,135	16,899	201.59	16,493	25,382
201.08	16,142	17,060	201.60	16,500	25,547
201.09	16,149	17,222	201.61	16,507	25,712
201.10	16,156	17,383	201.62	16,514	25,877
201.11	16,163	17,545	201.63	16,520	26,042
201.12	16,170	17,706	201.64	16,527	26,208
201.13	16,176	17,868	201.65	16,534	26,373
201.14	16,183	18,030	201.66	16,541	26,538
201.15	16,190	18,192	201.67	16,548	26,704
201.16	16,197	18,354	201.68	16,555	26,869
201.17	16,204	18,516	201.69	16,562	27,035
201.18	16,211	18,678	201.70	16,569	27,200
201.19	16,218	18,840	201.71	16,575	27,366
201.20	16,225	19,002	201.72	16,582	27,532
201.21	16,231	19,164	201.73	16,589	27,698
201.22	16,238	19,327	201.74	16,596	27,864
201.23	16,245	19,489	201.75	16,603	28,030
201.24	16,252	19,652	201.76	16,610	28,196
201.25	16,259	19,814	201.77	16,617	28,362
201.26	16,266	19,977	201.78	16,624	28,528
201.27	16,273	20,140	201.79	16,631	28,694
201.28	16,280	20,302	201.80	16,637	28,861
201.29	16,287	20,465	201.81	16,644	29,027
201.30	16,293	20,628	201.82	16,651	29,194
201.31	16,300	20,791	201.83	16,658	29,360
201.32	16,307	20,954	201.84	16,665	29,527
201.33	16,314	21,117	201.85	16,672	29,693
201.34	16,321	21,280	201.86	16,679	29,860
201.35	16,328	21,444	201.87	16,686	30,027
201.36	16,335	21,607	201.88	16,692	30,194
201.37	16,342	21,770	201.89	16,699	30,361
201.38	16,348	21,934	201.90	16,706	30,528
201.39	16,355	22,097	201.91	16,713	30,695
201.40	16,362	22,261	201.92	16,720	30,862
201.41	16,369	22,424	201.93	16,727	31,029
201.42	16,376	22,588	201.94	16,734	31,197
201.43	16,383	22,752	201.95	16,741	31,364
201.44	16,390	22,916	201.96	16,747	31,532
201.45	16,397	23,080	201.97	16,754	31,699
201.46	16,403	23,244	201.98	16,761	31,867
201.47	16,410	23,408	201.99	16,768	32,034
201.48	16,417	23,572	202.00	16,775	32,202
201.49	16,424	23,736	202.01	16,782	32,370
201.50	16,431	23,901	202.02	16,789	32,538
201.51	16,438	24,065	202.03	16,796	32,706
201.52	16,445	24,229	202.04	16,803	32,874
201.53	16,452	24,394	202.05	16,810	33,042
201.54	16,459	24,558	202.06	16,817	33,210
201.55	16,465	24,723	202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427	203.64	17,917	60,649
203.13	17,562	51,602	203.65	17,924	60,828
203.14	17,569	51,778	203.66	17,931	61,008
203.15	17,576	51,953	203.67	17,938	61,187
203.16	17,583	52,129	203.68	17,945	61,366
203.17	17,589	52,305	203.69	17,952	61,546
203.18	17,596	52,481	203.70	17,959	61,725
203.19	17,603	52,657	203.71	17,966	61,905
203.20	17,610	52,833	203.72	17,973	62,085
203.21	17,617	53,009	203.73	17,980	62,265
203.22	17,624	53,185	203.74	17,987	62,444
203.23	17,631	53,362	203.75	17,994	62,624
203.24	17,638	53,538	203.76	18,001	62,804
203.25	17,645	53,715	203.77	18,008	62,984
203.26	17,652	53,891	203.78	18,015	63,164
203.27	17,659	54,068	203.79	18,022	63,345
203.28	17,666	54,244	203.80	18,029	63,525
203.29	17,673	54,421	203.81	18,036	63,705
203.30	17,680	54,598	203.82	18,043	63,886
203.31	17,687	54,775	203.83	18,050	64,066
203.32	17,694	54,951	203.84	18,056	64,247
203.33	17,701	55,128	203.85	18,063	64,427
203.34	17,708	55,305	203.86	18,070	64,608
203.35	17,715	55,483	203.87	18,077	64,789
203.36	17,722	55,660	203.88	18,084	64,969
203.37	17,729	55,837	203.89	18,091	65,150
203.38	17,736	56,014	203.90	18,098	65,331
203.39	17,743	56,192	203.91	18,105	65,512
203.40	17,750	56,369	203.92	18,112	65,693
203.41	17,757	56,547	203.93	18,119	65,874
203.42	17,764	56,724	203.94	18,126	66,056
203.43	17,771	56,902	203.95	18,133	66,237
203.44	17,778	57,080	203.96	18,140	66,418
203.45	17,785	57,258	203.97	18,147	66,600
203.46	17,792	57,435	203.98	18,154	66,781
203.47	17,799	57,613	203.99	18,161	66,963
203.48	17,806	57,791	204.00	18,168	67,145
203.49	17,813	57,969	204.01	18,178	67,326
203.50	17,820	58,148	204.02	18,188	67,508
203.51	17,826	58,326	204.03	18,197	67,690
203.52	17,833	58,504	204.04	18,207	67,872
203.53	17,840	58,683	204.05	18,217	68,054
203.54	17,847	58,861	204.06	18,227	68,236
203.55	17,854	59,039	204.07	18,236	68,419
203.56	17,861	59,218	204.08	18,246	68,601
203.57	17,868	59,397	204.09	18,256	68,784
203.58	17,875	59,575	204.10	18,266	68,966
203.59	17,882	59,754	204.11	18,275	69,149
203.60	17,889	59,933	204.12	18,285	69,332
203.61	17,896	60,112	204.13	18,295	69,515
203.62	17,903	60,291	204.14	18,305	69,698
203.63	17,910	60,470	204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064
204.17	18,334	70,247
204.18	18,344	70,431
204.19	18,354	70,614
204.20	18,363	70,798
204.21	18,373	70,981
204.22	18,383	71,165
204.23	18,393	71,349
204.24	18,402	71,533
204.25	18,412	71,717
204.26	18,422	71,901
204.27	18,432	72,085
204.28	18,442	72,270
204.29	18,451	72,454
204.30	18,461	72,639
204.31	18,471	72,824
204.32	18,481	73,008
204.33	18,490	73,193
204.34	18,500	73,378
204.35	18,510	73,563
204.36	18,520	73,748
204.37	18,529	73,934
204.38	18,539	74,119
204.39	18,549	74,304
204.40	18,559	74,490
204.41	18,569	74,675
204.42	18,578	74,861
204.43	18,588	75,047
204.44	18,598	75,233
204.45	18,608	75,419
204.46	18,617	75,605
204.47	18,627	75,791
204.48	18,637	75,978
204.49	18,647	76,164
204.50	18,657	76,351
204.51	18,666	76,537
204.52	18,676	76,724
204.53	18,686	76,911
204.54	18,696	77,098
204.55	18,705	77,285
204.56	18,715	77,472
204.57	18,725	77,659
204.58	18,735	77,846
204.59	18,744	78,034
204.60	18,754	78,221
204.61	18,764	78,409
204.62	18,774	78,596
204.63	18,784	78,784
204.64	18,793	78,972
204.65	18,803	79,160
204.66	18,813	79,348
204.67	18,823	79,536
204.68	18,832	79,725
204.69	18,842	79,913
204.70	18,852	80,101
204.71	18,862	80,290
204.72	18,871	80,479
204.73	18,881	80,667
204.74	18,891	80,856
204.75	18,901	81,045
204.76	18,911	81,234
204.77	18,920	81,423
204.78	18,930	81,613
204.79	18,940	81,802
204.80	18,950	81,992
204.81	18,959	82,181
204.82	18,969	82,371
204.83	18,979	82,560
204.84	18,989	82,750
204.85	18,998	82,940
204.86	19,008	83,130
204.87	19,018	83,320
204.88	19,028	83,511
204.89	19,038	83,701
204.90	19,047	83,891
204.91	19,057	84,082
204.92	19,067	84,273
204.93	19,077	84,463
204.94	19,086	84,654
204.95	19,096	84,845
204.96	19,106	85,036
204.97	19,116	85,227
204.98	19,125	85,418
204.99	19,135	85,610
205.00	19,145	85,801
205.01	19,155	85,992
205.02	19,164	86,184
205.03	19,174	86,376
205.04	19,183	86,568
205.05	19,193	86,759
205.06	19,202	86,951
205.07	19,212	87,143
205.08	19,222	87,336
205.09	19,231	87,528
205.10	19,241	87,720
205.11	19,250	87,913
205.12	19,260	88,105
205.13	19,270	88,298
205.14	19,279	88,491
205.15	19,289	88,684
205.16	19,298	88,876
205.17	19,308	89,069
205.18	19,317	89,263
205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 7.00" for Current 100 yr event
Inflow = 10.88 cfs @ 12.08 hrs, Volume= 0.695 af
Outflow = 0.27 cfs @ 15.08 hrs, Volume= 0.528 af, Atten= 98%, Lag= 180.4 min
Primary = 0.27 cfs @ 15.08 hrs, Volume= 0.528 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.32' @ 15.08 hrs Surf.Area= 7,730 sf Storage= 21,672 cf

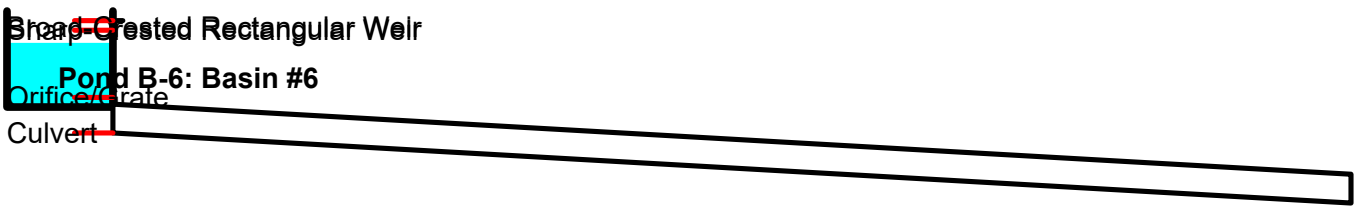
Plug-Flow detention time= 775.6 min calculated for 0.528 af (76% of inflow)
Center-of-Mass det. time= 686.3 min (1,447.7 - 761.4)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

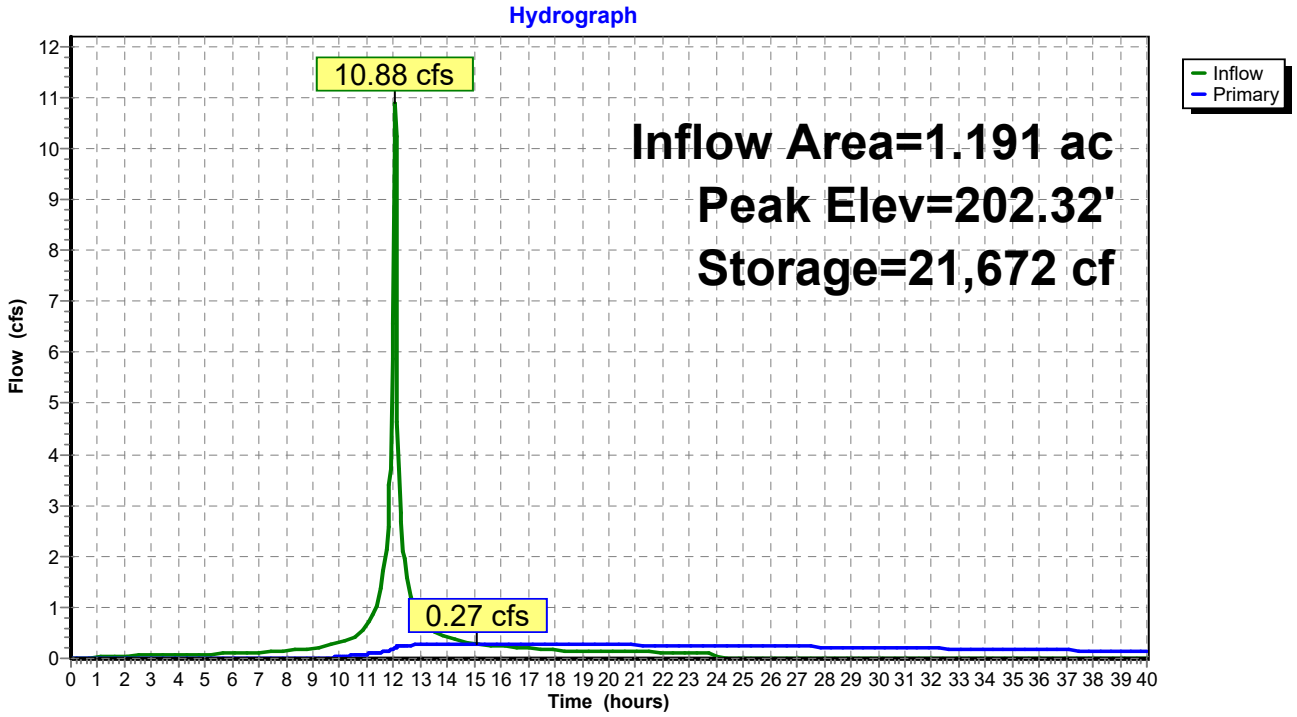
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.27 cfs @ 15.08 hrs HW=202.32' (Free Discharge)
- **1=Culvert** (Passes 0.27 cfs of 10.28 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.27 cfs @ 7.93 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.01	2	199.00	0.00
0.70	0.01	5	199.00	0.00
0.80	0.02	10	199.00	0.00
0.90	0.02	16	199.00	0.00
1.00	0.02	24	199.00	0.00
1.10	0.03	33	199.01	0.00
1.20	0.03	43	199.01	0.00
1.30	0.03	54	199.01	0.00
1.40	0.03	66	199.01	0.00
1.50	0.04	79	199.01	0.00
1.60	0.04	93	199.02	0.00
1.70	0.04	107	199.02	0.00
1.80	0.04	122	199.02	0.00
1.90	0.05	139	199.03	0.00
2.00	0.05	155	199.03	0.00
2.10	0.05	173	199.03	0.00
2.20	0.05	191	199.04	0.00
2.30	0.05	209	199.04	0.00
2.40	0.05	229	199.04	0.00
2.50	0.06	248	199.05	0.00
2.60	0.06	269	199.05	0.00
2.70	0.06	289	199.05	0.00
2.80	0.06	311	199.06	0.00
2.90	0.06	332	199.06	0.00
3.00	0.06	355	199.07	0.00
3.10	0.06	377	199.07	0.00
3.20	0.06	400	199.07	0.00
3.30	0.07	424	199.08	0.00
3.40	0.07	447	199.08	0.00
3.50	0.07	472	199.09	0.00
3.60	0.07	496	199.09	0.00
3.70	0.07	521	199.10	0.00
3.80	0.07	547	199.10	0.00
3.90	0.07	572	199.11	0.00
4.00	0.07	598	199.11	0.00
4.10	0.07	625	199.12	0.00
4.20	0.07	652	199.12	0.00
4.30	0.08	679	199.12	0.00
4.40	0.08	706	199.13	0.00
4.50	0.08	734	199.14	0.00
4.60	0.08	762	199.14	0.00
4.70	0.08	790	199.15	0.00
4.80	0.08	819	199.15	0.00
4.90	0.08	848	199.16	0.00
5.00	0.08	877	199.16	0.00
5.10	0.08	907	199.17	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	936	199.17	0.00
5.30	0.08	967	199.18	0.00
5.40	0.08	997	199.18	0.00
5.50	0.09	1,028	199.19	0.00
5.60	0.09	1,059	199.19	0.00
5.70	0.09	1,090	199.20	0.00
5.80	0.09	1,121	199.21	0.00
5.90	0.09	1,153	199.21	0.00
6.00	0.09	1,185	199.22	0.00
6.10	0.09	1,218	199.22	0.00
6.20	0.09	1,252	199.23	0.00
6.30	0.10	1,286	199.24	0.00
6.40	0.10	1,322	199.24	0.00
6.50	0.10	1,358	199.25	0.00
6.60	0.11	1,396	199.26	0.00
6.70	0.11	1,435	199.26	0.00
6.80	0.11	1,475	199.27	0.00
6.90	0.12	1,516	199.28	0.00
7.00	0.12	1,559	199.28	0.00
7.10	0.12	1,602	199.29	0.00
7.20	0.13	1,647	199.30	0.00
7.30	0.13	1,693	199.31	0.00
7.40	0.13	1,740	199.32	0.00
7.50	0.14	1,789	199.33	0.00
7.60	0.14	1,838	199.33	0.00
7.70	0.14	1,889	199.34	0.00
7.80	0.15	1,941	199.35	0.00
7.90	0.15	1,995	199.36	0.00
8.00	0.15	2,049	199.37	0.00
8.10	0.16	2,105	199.38	0.00
8.20	0.16	2,163	199.39	0.00
8.30	0.16	2,221	199.40	0.00
8.40	0.17	2,281	199.41	0.00
8.50	0.17	2,343	199.42	0.00
8.60	0.18	2,405	199.43	0.00
8.70	0.18	2,469	199.45	0.00
8.80	0.18	2,535	199.46	0.00
8.90	0.19	2,601	199.47	0.00
9.00	0.19	2,670	199.48	0.00
9.10	0.20	2,741	199.49	0.00
9.20	0.21	2,817	199.51	0.00
9.30	0.23	2,896	199.52	0.00
9.40	0.24	2,980	199.54	0.00
9.50	0.25	3,067	199.55	0.00
9.60	0.26	3,157	199.57	0.01
9.70	0.28	3,251	199.58	0.01
9.80	0.29	3,347	199.60	0.02
9.90	0.30	3,447	199.62	0.02
10.00	0.31	3,549	199.63	0.03
10.10	0.33	3,653	199.65	0.04
10.20	0.34	3,760	199.67	0.04
10.30	0.35	3,870	199.69	0.05

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.37	3,982	199.71	0.05
10.50	0.38	4,098	199.73	0.06
10.60	0.43	4,225	199.75	0.06
10.70	0.48	4,368	199.77	0.07
10.80	0.53	4,525	199.80	0.07
10.90	0.57	4,699	199.83	0.08
11.00	0.63	4,888	199.86	0.08
11.10	0.72	5,104	199.90	0.09
11.20	0.81	5,350	199.94	0.09
11.30	0.90	5,628	199.98	0.10
11.40	1.00	5,939	200.04	0.11
11.50	1.11	6,280	200.09	0.11
11.60	1.69	6,777	200.17	0.12
11.70	1.84	7,368	200.27	0.13
11.80	2.57	8,147	200.39	0.15
11.90	3.72	9,267	200.57	0.16
12.00	6.54	11,182	200.86	0.18
12.10	**10.25**	14,433	201.33	0.22
12.20	3.71	16,444	201.62	0.23
12.30	2.69	17,449	201.76	0.24
12.40	2.00	18,160	201.85	0.25
12.50	1.86	18,763	201.93	0.25
12.60	1.23	19,188	201.99	0.25
12.70	1.15	19,521	202.03	0.26
12.80	1.05	19,819	202.07	0.26
12.90	0.95	20,081	202.11	0.26
13.00	0.85	20,305	202.14	0.26
13.10	0.75	20,493	202.16	0.26
13.20	0.70	20,656	202.18	0.26
13.30	0.64	20,799	202.20	0.26
13.40	0.59	20,922	202.22	0.27
13.50	0.53	21,025	202.23	0.27
13.60	0.48	21,109	202.24	0.27
13.70	0.47	21,183	202.25	0.27
13.80	0.45	21,252	202.26	0.27
13.90	0.44	21,316	202.27	0.27
14.00	0.43	21,374	202.28	0.27
14.10	0.41	21,427	202.29	0.27
14.20	0.40	21,475	202.29	0.27
14.30	0.38	21,518	202.30	0.27
14.40	0.37	21,555	202.30	0.27
14.50	0.35	21,588	202.31	0.27
14.60	0.34	21,615	202.31	0.27
14.70	0.33	21,636	202.31	0.27
14.80	0.31	21,653	202.31	0.27
14.90	0.30	21,665	202.32	0.27
15.00	0.28	21,671	202.32	0.27
15.10	0.27	**21,672**	**202.32**	**0.27**
15.20	0.27	21,671	202.32	0.27
15.30	0.26	21,668	202.32	0.27
15.40	0.26	21,664	202.32	0.27
15.50	0.25	21,659	202.32	0.27

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.25	21,652	202.31	0.27
15.70	0.25	21,644	202.31	0.27
15.80	0.24	21,635	202.31	0.27
15.90	0.24	21,624	202.31	0.27
16.00	0.23	21,612	202.31	0.27
16.10	0.23	21,599	202.31	0.27
16.20	0.23	21,584	202.31	0.27
16.30	0.22	21,568	202.30	0.27
16.40	0.22	21,551	202.30	0.27
16.50	0.22	21,532	202.30	0.27
16.60	0.21	21,512	202.30	0.27
16.70	0.21	21,491	202.29	0.27
16.80	0.20	21,468	202.29	0.27
16.90	0.20	21,444	202.29	0.27
17.00	0.20	21,419	202.28	0.27
17.10	0.19	21,392	202.28	0.27
17.20	0.19	21,365	202.28	0.27
17.30	0.19	21,335	202.27	0.27
17.40	0.18	21,305	202.27	0.27
17.50	0.18	21,273	202.27	0.27
17.60	0.17	21,240	202.26	0.27
17.70	0.17	21,206	202.26	0.27
17.80	0.17	21,170	202.25	0.27
17.90	0.16	21,133	202.25	0.27
18.00	0.16	21,095	202.24	0.27
18.10	0.16	21,056	202.24	0.27
18.20	0.15	21,015	202.23	0.27
18.30	0.15	20,975	202.23	0.27
18.40	0.15	20,935	202.22	0.27
18.50	0.15	20,894	202.22	0.27
18.60	0.15	20,853	202.21	0.26
18.70	0.15	20,812	202.20	0.26
18.80	0.15	20,770	202.20	0.26
18.90	0.15	20,728	202.19	0.26
19.00	0.15	20,686	202.19	0.26
19.10	0.15	20,644	202.18	0.26
19.20	0.15	20,602	202.18	0.26
19.30	0.14	20,559	202.17	0.26
19.40	0.14	20,516	202.17	0.26
19.50	0.14	20,473	202.16	0.26
19.60	0.14	20,429	202.15	0.26
19.70	0.14	20,386	202.15	0.26
19.80	0.14	20,342	202.14	0.26
19.90	0.14	20,298	202.14	0.26
20.00	0.14	20,254	202.13	0.26
20.10	0.14	20,209	202.13	0.26
20.20	0.14	20,164	202.12	0.26
20.30	0.13	20,119	202.11	0.26
20.40	0.13	20,074	202.11	0.26
20.50	0.13	20,028	202.10	0.26
20.60	0.13	19,983	202.10	0.26
20.70	0.13	19,937	202.09	0.26

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.13	19,890	202.08	0.26
20.90	0.13	19,844	202.08	0.26
21.00	0.13	19,797	202.07	0.26
21.10	0.13	19,750	202.07	0.26
21.20	0.13	19,703	202.06	0.26
21.30	0.13	19,656	202.05	0.26
21.40	0.12	19,609	202.05	0.26
21.50	0.12	19,561	202.04	0.26
21.60	0.12	19,513	202.03	0.26
21.70	0.12	19,464	202.03	0.26
21.80	0.12	19,416	202.02	0.26
21.90	0.12	19,368	202.01	0.25
22.00	0.12	19,319	202.01	0.25
22.10	0.12	19,269	202.00	0.25
22.20	0.12	19,220	201.99	0.25
22.30	0.12	19,171	201.99	0.25
22.40	0.11	19,121	201.98	0.25
22.50	0.11	19,071	201.97	0.25
22.60	0.11	19,021	201.97	0.25
22.70	0.11	18,971	201.96	0.25
22.80	0.11	18,920	201.95	0.25
22.90	0.11	18,869	201.95	0.25
23.00	0.11	18,818	201.94	0.25
23.10	0.11	18,767	201.93	0.25
23.20	0.11	18,715	201.93	0.25
23.30	0.11	18,663	201.92	0.25
23.40	0.11	18,612	201.91	0.25
23.50	0.10	18,560	201.91	0.25
23.60	0.10	18,507	201.90	0.25
23.70	0.10	18,455	201.89	0.25
23.80	0.10	18,402	201.88	0.25
23.90	0.10	18,349	201.88	0.25
24.00	0.12	18,302	201.87	0.25
24.10	0.00	18,226	201.86	0.25
24.20	0.00	18,137	201.85	0.25
24.30	0.00	18,049	201.84	0.25
24.40	0.00	17,961	201.82	0.24
24.50	0.00	17,873	201.81	0.24
24.60	0.00	17,785	201.80	0.24
24.70	0.00	17,698	201.79	0.24
24.80	0.00	17,611	201.78	0.24
24.90	0.00	17,524	201.77	0.24
25.00	0.00	17,437	201.75	0.24
25.10	0.00	17,350	201.74	0.24
25.20	0.00	17,264	201.73	0.24
25.30	0.00	17,178	201.72	0.24
25.40	0.00	17,092	201.71	0.24
25.50	0.00	17,007	201.69	0.24
25.60	0.00	16,921	201.68	0.24
25.70	0.00	16,836	201.67	0.24
25.80	0.00	16,751	201.66	0.24
25.90	0.00	16,667	201.65	0.23

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	16,582	201.64	0.23
26.10	0.00	16,498	201.62	0.23
26.20	0.00	16,415	201.61	0.23
26.30	0.00	16,331	201.60	0.23
26.40	0.00	16,248	201.59	0.23
26.50	0.00	16,164	201.58	0.23
26.60	0.00	16,081	201.57	0.23
26.70	0.00	15,999	201.55	0.23
26.80	0.00	15,916	201.54	0.23
26.90	0.00	15,834	201.53	0.23
27.00	0.00	15,752	201.52	0.23
27.10	0.00	15,671	201.51	0.23
27.20	0.00	15,589	201.50	0.23
27.30	0.00	15,508	201.49	0.23
27.40	0.00	15,427	201.47	0.22
27.50	0.00	15,346	201.46	0.22
27.60	0.00	15,266	201.45	0.22
27.70	0.00	15,186	201.44	0.22
27.80	0.00	15,106	201.43	0.22
27.90	0.00	15,026	201.42	0.22
28.00	0.00	14,947	201.41	0.22
28.10	0.00	14,867	201.40	0.22
28.20	0.00	14,789	201.38	0.22
28.30	0.00	14,710	201.37	0.22
28.40	0.00	14,631	201.36	0.22
28.50	0.00	14,553	201.35	0.22
28.60	0.00	14,475	201.34	0.22
28.70	0.00	14,397	201.33	0.22
28.80	0.00	14,320	201.32	0.21
28.90	0.00	14,243	201.31	0.21
29.00	0.00	14,166	201.30	0.21
29.10	0.00	14,089	201.28	0.21
29.20	0.00	14,013	201.27	0.21
29.30	0.00	13,936	201.26	0.21
29.40	0.00	13,860	201.25	0.21
29.50	0.00	13,785	201.24	0.21
29.60	0.00	13,709	201.23	0.21
29.70	0.00	13,634	201.22	0.21
29.80	0.00	13,559	201.21	0.21
29.90	0.00	13,484	201.20	0.21
30.00	0.00	13,410	201.19	0.21
30.10	0.00	13,336	201.18	0.21
30.20	0.00	13,262	201.17	0.21
30.30	0.00	13,188	201.15	0.20
30.40	0.00	13,115	201.14	0.20
30.50	0.00	13,041	201.13	0.20
30.60	0.00	12,968	201.12	0.20
30.70	0.00	12,896	201.11	0.20
30.80	0.00	12,823	201.10	0.20
30.90	0.00	12,751	201.09	0.20
31.00	0.00	12,679	201.08	0.20
31.10	0.00	12,608	201.07	0.20

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	12,536	201.06	0.20
31.30	0.00	12,465	201.05	0.20
31.40	0.00	12,394	201.04	0.20
31.50	0.00	12,324	201.03	0.20
31.60	0.00	12,253	201.02	0.20
31.70	0.00	12,183	201.01	0.19
31.80	0.00	12,113	201.00	0.19
31.90	0.00	12,044	200.99	0.19
32.00	0.00	11,974	200.98	0.19
32.10	0.00	11,905	200.97	0.19
32.20	0.00	11,836	200.96	0.19
32.30	0.00	11,768	200.95	0.19
32.40	0.00	11,699	200.94	0.19
32.50	0.00	11,631	200.93	0.19
32.60	0.00	11,564	200.92	0.19
32.70	0.00	11,496	200.91	0.19
32.80	0.00	11,429	200.89	0.19
32.90	0.00	11,362	200.88	0.19
33.00	0.00	11,295	200.87	0.19
33.10	0.00	11,229	200.86	0.18
33.20	0.00	11,162	200.86	0.18
33.30	0.00	11,096	200.85	0.18
33.40	0.00	11,031	200.84	0.18
33.50	0.00	10,965	200.83	0.18
33.60	0.00	10,900	200.82	0.18
33.70	0.00	10,835	200.81	0.18
33.80	0.00	10,771	200.80	0.18
33.90	0.00	10,706	200.79	0.18
34.00	0.00	10,642	200.78	0.18
34.10	0.00	10,578	200.77	0.18
34.20	0.00	10,515	200.76	0.18
34.30	0.00	10,451	200.75	0.18
34.40	0.00	10,388	200.74	0.17
34.50	0.00	10,326	200.73	0.17
34.60	0.00	10,263	200.72	0.17
34.70	0.00	10,201	200.71	0.17
34.80	0.00	10,139	200.70	0.17
34.90	0.00	10,077	200.69	0.17
35.00	0.00	10,016	200.68	0.17
35.10	0.00	9,954	200.67	0.17
35.20	0.00	9,894	200.66	0.17
35.30	0.00	9,833	200.65	0.17
35.40	0.00	9,773	200.64	0.17
35.50	0.00	9,712	200.63	0.17
35.60	0.00	9,653	200.63	0.17
35.70	0.00	9,593	200.62	0.17
35.80	0.00	9,534	200.61	0.16
35.90	0.00	9,475	200.60	0.16
36.00	0.00	9,416	200.59	0.16
36.10	0.00	9,357	200.58	0.16
36.20	0.00	9,299	200.57	0.16
36.30	0.00	9,241	200.56	0.16

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	9,183	200.55	0.16
36.50	0.00	9,126	200.54	0.16
36.60	0.00	9,069	200.54	0.16
36.70	0.00	9,012	200.53	0.16
36.80	0.00	8,955	200.52	0.16
36.90	0.00	8,899	200.51	0.16
37.00	0.00	8,843	200.50	0.16
37.10	0.00	8,787	200.49	0.15
37.20	0.00	8,732	200.48	0.15
37.30	0.00	8,676	200.47	0.15
37.40	0.00	8,621	200.47	0.15
37.50	0.00	8,567	200.46	0.15
37.60	0.00	8,512	200.45	0.15
37.70	0.00	8,458	200.44	0.15
37.80	0.00	8,404	200.43	0.15
37.90	0.00	8,351	200.42	0.15
38.00	0.00	8,297	200.41	0.15
38.10	0.00	8,244	200.41	0.15
38.20	0.00	8,192	200.40	0.15
38.30	0.00	8,139	200.39	0.15
38.40	0.00	8,087	200.38	0.14
38.50	0.00	8,035	200.37	0.14
38.60	0.00	7,983	200.36	0.14
38.70	0.00	7,932	200.36	0.14
38.80	0.00	7,881	200.35	0.14
38.90	0.00	7,830	200.34	0.14
39.00	0.00	7,779	200.33	0.14
39.10	0.00	7,729	200.32	0.14
39.20	0.00	7,679	200.32	0.14
39.30	0.00	7,629	200.31	0.14
39.40	0.00	7,580	200.30	0.14
39.50	0.00	7,531	200.29	0.14
39.60	0.00	7,482	200.29	0.14
39.70	0.00	7,433	200.28	0.13
39.80	0.00	7,385	200.27	0.13
39.90	0.00	7,337	200.26	0.13
40.00	0.00	7,289	200.25	0.13

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678	201.60	7,198	16,323
201.09	6,827	12,746	201.61	7,206	16,395
201.10	6,834	12,815	201.62	7,213	16,467
201.11	6,841	12,883	201.63	7,220	16,539
201.12	6,848	12,952	201.64	7,228	16,611
201.13	6,856	13,020	201.65	7,235	16,684
201.14	6,863	13,089	201.66	7,242	16,756
201.15	6,870	13,157	201.67	7,249	16,828
201.16	6,878	13,226	201.68	7,257	16,901
201.17	6,885	13,295	201.69	7,264	16,974
201.18	6,892	13,364	201.70	7,271	17,046
201.19	6,900	13,433	201.71	7,279	17,119
201.20	6,907	13,502	201.72	7,286	17,192
201.21	6,914	13,571	201.73	7,293	17,265
201.22	6,921	13,640	201.74	7,300	17,338
201.23	6,929	13,709	201.75	7,308	17,411
201.24	6,936	13,779	201.76	7,315	17,484
201.25	6,943	13,848	201.77	7,322	17,557
201.26	6,951	13,918	201.78	7,330	17,630
201.27	6,958	13,987	201.79	7,337	17,704
201.28	6,965	14,057	201.80	7,344	17,777
201.29	6,972	14,126	201.81	7,351	17,851
201.30	6,980	14,196	201.82	7,359	17,924
201.31	6,987	14,266	201.83	7,366	17,998
201.32	6,994	14,336	201.84	7,373	18,071
201.33	7,002	14,406	201.85	7,381	18,145
201.34	7,009	14,476	201.86	7,388	18,219
201.35	7,016	14,546	201.87	7,395	18,293
201.36	7,023	14,616	201.88	7,403	18,367
201.37	7,031	14,686	201.89	7,410	18,441
201.38	7,038	14,757	201.90	7,417	18,515
201.39	7,045	14,827	201.91	7,424	18,589
201.40	7,053	14,898	201.92	7,432	18,664
201.41	7,060	14,968	201.93	7,439	18,738
201.42	7,067	15,039	201.94	7,446	18,812
201.43	7,074	15,110	201.95	7,454	18,887
201.44	7,082	15,180	201.96	7,461	18,961
201.45	7,089	15,251	201.97	7,468	19,036
201.46	7,096	15,322	201.98	7,475	19,111
201.47	7,104	15,393	201.99	7,483	19,186
201.48	7,111	15,464	202.00	7,490	19,261
201.49	7,118	15,535	202.01	7,498	19,335
201.50	7,126	15,607	202.02	7,505	19,410
201.51	7,133	15,678	202.03	7,513	19,486
201.52	7,140	15,749	202.04	7,520	19,561
201.53	7,147	15,821	202.05	7,528	19,636
201.54	7,155	15,892	202.06	7,535	19,711
201.55	7,162	15,964	202.07	7,543	19,787
201.56	7,169	16,035	202.08	7,551	19,862
201.57	7,177	16,107	202.09	7,558	19,938
201.58	7,184	16,179	202.10	7,566	20,013
201.59	7,191	16,251	202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 7.13" for Current 100 yr event
Inflow = 14.23 cfs @ 12.06 hrs, Volume= 0.929 af
Outflow = 0.48 cfs @ 14.42 hrs, Volume= 0.586 af, Atten= 97%, Lag= 141.6 min
Primary = 0.48 cfs @ 14.42 hrs, Volume= 0.586 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.06' @ 14.42 hrs Surf.Area= 10,587 sf Storage= 29,533 cf

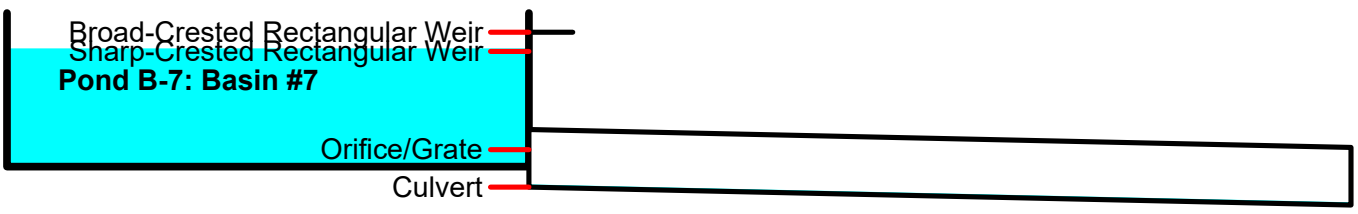
Plug-Flow detention time= 793.2 min calculated for 0.585 af (63% of inflow)
Center-of-Mass det. time= 685.0 min (1,442.7 - 757.7)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

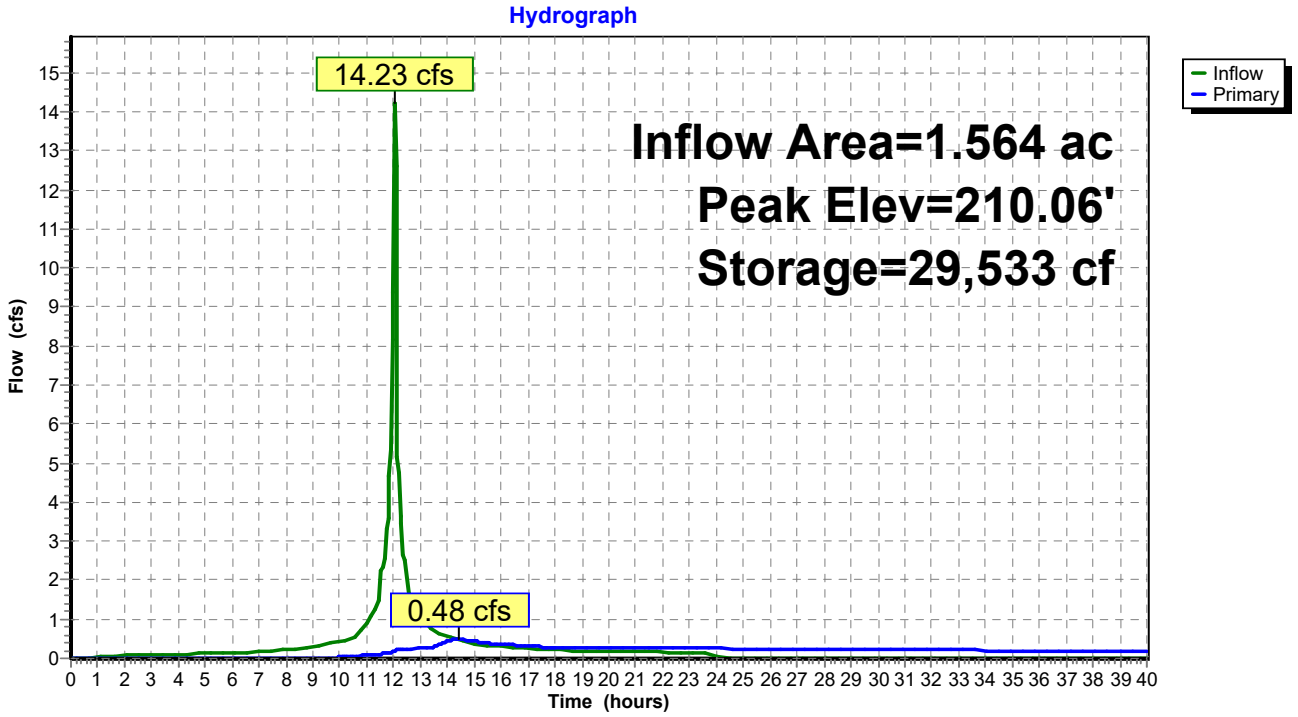
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.47 cfs @ 14.42 hrs HW=210.06' (Free Discharge)
- **1=Culvert** (Passes 0.47 cfs of 12.66 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.26 cfs @ 7.64 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.21 cfs @ 0.83 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	0.00
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.00	0	207.00	0.00
0.50	0.00	0	207.00	0.00
0.60	0.01	3	207.00	0.00
0.70	0.02	8	207.00	0.00
0.80	0.02	15	207.00	0.00
0.90	0.03	24	207.00	0.00
1.00	0.03	35	207.00	0.00
1.10	0.04	48	207.01	0.00
1.20	0.04	62	207.01	0.00
1.30	0.05	78	207.01	0.00
1.40	0.05	95	207.01	0.00
1.50	0.05	114	207.01	0.00
1.60	0.06	133	207.02	0.00
1.70	0.06	154	207.02	0.00
1.80	0.06	176	207.02	0.00
1.90	0.07	199	207.02	0.00
2.00	0.07	223	207.03	0.00
2.10	0.07	247	207.03	0.00
2.20	0.07	273	207.03	0.00
2.30	0.07	300	207.03	0.00
2.40	0.08	327	207.04	0.00
2.50	0.08	355	207.04	0.00
2.60	0.08	384	207.04	0.00
2.70	0.08	413	207.05	0.00
2.80	0.09	443	207.05	0.00
2.90	0.09	474	207.05	0.00
3.00	0.09	506	207.06	0.00
3.10	0.09	538	207.06	0.00
3.20	0.09	570	207.07	0.00
3.30	0.09	604	207.07	0.00
3.40	0.09	637	207.07	0.00
3.50	0.10	672	207.08	0.00
3.60	0.10	707	207.08	0.00
3.70	0.10	742	207.09	0.00
3.80	0.10	778	207.09	0.00
3.90	0.10	815	207.09	0.00
4.00	0.10	852	207.10	0.00
4.10	0.10	889	207.10	0.00
4.20	0.11	927	207.11	0.00
4.30	0.11	966	207.11	0.00
4.40	0.11	1,004	207.11	0.00
4.50	0.11	1,044	207.12	0.00
4.60	0.11	1,083	207.12	0.00
4.70	0.11	1,124	207.13	0.00
4.80	0.11	1,164	207.13	0.00
4.90	0.11	1,205	207.14	0.00
5.00	0.12	1,247	207.14	0.00
5.10	0.12	1,289	207.15	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.12	1,331	207.15	0.00
5.30	0.12	1,374	207.16	0.00
5.40	0.12	1,417	207.16	0.00
5.50	0.12	1,460	207.17	0.00
5.60	0.12	1,504	207.17	0.00
5.70	0.12	1,548	207.18	0.00
5.80	0.12	1,593	207.18	0.00
5.90	0.13	1,638	207.19	0.00
6.00	0.13	1,684	207.19	0.00
6.10	0.13	1,730	207.20	0.00
6.20	0.13	1,778	207.20	0.00
6.30	0.14	1,827	207.21	0.00
6.40	0.14	1,878	207.21	0.00
6.50	0.15	1,930	207.22	0.00
6.60	0.15	1,983	207.23	0.00
6.70	0.15	2,038	207.23	0.00
6.80	0.16	2,095	207.24	0.00
6.90	0.16	2,153	207.25	0.00
7.00	0.17	2,213	207.25	0.00
7.10	0.17	2,274	207.26	0.00
7.20	0.18	2,337	207.27	0.00
7.30	0.18	2,401	207.27	0.00
7.40	0.19	2,468	207.28	0.00
7.50	0.19	2,536	207.29	0.00
7.60	0.19	2,605	207.30	0.00
7.70	0.20	2,676	207.30	0.00
7.80	0.20	2,749	207.31	0.00
7.90	0.21	2,824	207.32	0.00
8.00	0.21	2,900	207.33	0.00
8.10	0.22	2,978	207.34	0.00
8.20	0.22	3,058	207.35	0.00
8.30	0.23	3,140	207.36	0.00
8.40	0.23	3,223	207.37	0.00
8.50	0.24	3,308	207.38	0.00
8.60	0.24	3,395	207.39	0.00
8.70	0.25	3,484	207.40	0.00
8.80	0.25	3,575	207.41	0.00
8.90	0.26	3,667	207.42	0.00
9.00	0.27	3,762	207.43	0.00
9.10	0.28	3,861	207.44	0.00
9.20	0.30	3,966	207.45	0.00
9.30	0.31	4,076	207.46	0.00
9.40	0.33	4,192	207.47	0.00
9.50	0.35	4,313	207.49	0.00
9.60	0.36	4,439	207.50	0.01
9.70	0.38	4,570	207.52	0.01
9.80	0.40	4,705	207.53	0.02
9.90	0.41	4,846	207.55	0.02
10.00	0.43	4,991	207.56	0.02
10.10	0.45	5,140	207.58	0.03
10.20	0.47	5,293	207.60	0.04
10.30	0.48	5,451	207.61	0.04

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.50	5,613	207.63	0.05
10.50	0.53	5,780	207.65	0.05
10.60	0.59	5,965	207.67	0.06
10.70	0.66	6,171	207.69	0.06
10.80	0.72	6,398	207.72	0.07
10.90	0.79	6,647	207.74	0.07
11.00	0.86	6,918	207.77	0.08
11.10	0.98	7,227	207.81	0.08
11.20	1.11	7,579	207.85	0.09
11.30	1.23	7,973	207.89	0.10
11.40	1.36	8,411	207.94	0.10
11.50	1.59	8,897	207.99	0.11
11.60	2.29	9,607	208.06	0.12
11.70	2.58	10,432	208.15	0.13
11.80	3.59	11,535	208.27	0.14
11.90	5.36	13,128	208.44	0.16
12.00	**9.36**	15,867	208.72	0.18
12.10	**12.61**	20,296	209.17	0.21
12.20	4.76	22,714	209.41	0.22
12.30	3.45	24,027	209.54	0.23
12.40	2.63	24,970	209.63	0.24
12.50	2.37	25,788	209.71	0.24
12.60	1.62	26,356	209.76	0.24
12.70	1.51	26,825	209.81	0.25
12.80	1.38	27,248	209.85	0.25
12.90	1.24	27,622	209.88	0.25
13.00	1.11	27,947	209.91	0.25
13.10	0.99	28,224	209.94	0.25
13.20	0.91	28,470	209.96	0.26
13.30	0.84	28,690	209.98	0.26
13.40	0.77	28,883	210.00	0.26
13.50	0.70	29,042	210.02	0.30
13.60	0.64	29,162	210.03	0.33
13.70	0.62	29,261	210.04	0.36
13.80	0.60	29,344	210.05	0.39
13.90	0.58	29,408	210.05	0.42
14.00	0.56	29,456	210.06	0.44
14.10	0.54	29,491	210.06	0.46
14.20	0.52	29,514	210.06	0.47
14.30	0.50	29,528	210.06	0.48
14.40	0.48	**29,533**	**210.06**	**0.48**
14.50	0.47	29,531	210.06	0.48
14.60	0.45	29,523	210.06	0.47
14.70	0.43	29,510	210.06	0.47
14.80	0.41	29,493	210.06	0.46
14.90	0.39	29,472	210.06	0.45
15.00	0.37	29,448	210.06	0.44
15.10	0.36	29,422	210.05	0.43
15.20	0.35	29,396	210.05	0.42
15.30	0.34	29,373	210.05	0.41
15.40	0.34	29,352	210.05	0.40
15.50	0.33	29,332	210.04	0.39

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.33	29,314	210.04	0.38
15.70	0.32	29,297	210.04	0.37
15.80	0.32	29,280	210.04	0.36
15.90	0.32	29,265	210.04	0.36
16.00	0.31	29,248	210.04	0.36
16.10	0.31	29,231	210.04	0.35
16.20	0.30	29,215	210.03	0.35
16.30	0.29	29,197	210.03	0.34
16.40	0.29	29,180	210.03	0.34
16.50	0.28	29,162	210.03	0.33
16.60	0.28	29,144	210.03	0.33
16.70	0.28	29,126	210.03	0.32
16.80	0.27	29,108	210.02	0.32
16.90	0.27	29,090	210.02	0.32
17.00	0.26	29,071	210.02	0.31
17.10	0.26	29,053	210.02	0.31
17.20	0.25	29,034	210.02	0.30
17.30	0.24	29,015	210.01	0.30
17.40	0.24	28,996	210.01	0.29
17.50	0.23	28,977	210.01	0.29
17.60	0.23	28,958	210.01	0.28
17.70	0.22	28,939	210.01	0.28
17.80	0.22	28,920	210.01	0.27
17.90	0.21	28,900	210.00	0.27
18.00	0.21	28,881	210.00	0.26
18.10	0.21	28,862	210.00	0.26
18.20	0.20	28,843	210.00	0.26
18.30	0.20	28,823	210.00	0.26
18.40	0.20	28,803	209.99	0.26
18.50	0.20	28,783	209.99	0.26
18.60	0.20	28,762	209.99	0.26
18.70	0.20	28,741	209.99	0.26
18.80	0.20	28,720	209.99	0.26
18.90	0.20	28,698	209.98	0.26
19.00	0.19	28,676	209.98	0.26
19.10	0.19	28,653	209.98	0.26
19.20	0.19	28,630	209.98	0.26
19.30	0.19	28,606	209.98	0.26
19.40	0.19	28,582	209.97	0.26
19.50	0.19	28,558	209.97	0.26
19.60	0.19	28,533	209.97	0.26
19.70	0.19	28,508	209.97	0.26
19.80	0.18	28,483	209.96	0.26
19.90	0.18	28,457	209.96	0.26
20.00	0.18	28,430	209.96	0.26
20.10	0.18	28,403	209.96	0.25
20.20	0.18	28,376	209.95	0.25
20.30	0.18	28,349	209.95	0.25
20.40	0.18	28,321	209.95	0.25
20.50	0.18	28,292	209.95	0.25
20.60	0.17	28,264	209.94	0.25
20.70	0.17	28,234	209.94	0.25

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	28,205	209.94	0.25
20.90	0.17	28,175	209.93	0.25
21.00	0.17	28,144	209.93	0.25
21.10	0.17	28,113	209.93	0.25
21.20	0.17	28,082	209.93	0.25
21.30	0.17	28,051	209.92	0.25
21.40	0.16	28,019	209.92	0.25
21.50	0.16	27,987	209.92	0.25
21.60	0.16	27,954	209.91	0.25
21.70	0.16	27,920	209.91	0.25
21.80	0.16	27,887	209.91	0.25
21.90	0.16	27,853	209.90	0.25
22.00	0.16	27,819	209.90	0.25
22.10	0.15	27,784	209.90	0.25
22.20	0.15	27,749	209.89	0.25
22.30	0.15	27,714	209.89	0.25
22.40	0.15	27,678	209.89	0.25
22.50	0.15	27,641	209.88	0.25
22.60	0.15	27,605	209.88	0.25
22.70	0.15	27,568	209.88	0.25
22.80	0.15	27,530	209.87	0.25
22.90	0.14	27,492	209.87	0.25
23.00	0.14	27,454	209.87	0.25
23.10	0.14	27,416	209.86	0.25
23.20	0.14	27,377	209.86	0.25
23.30	0.14	27,337	209.86	0.25
23.40	0.14	27,298	209.85	0.25
23.50	0.14	27,257	209.85	0.25
23.60	0.14	27,217	209.84	0.25
23.70	0.14	27,176	209.84	0.25
23.80	0.13	27,135	209.84	0.25
23.90	0.14	27,094	209.83	0.25
24.00	0.13	27,058	209.83	0.25
24.10	0.00	26,982	209.82	0.25
24.20	0.00	26,893	209.81	0.25
24.30	0.00	26,804	209.80	0.25
24.40	0.00	26,715	209.80	0.25
24.50	0.00	26,626	209.79	0.25
24.60	0.00	26,538	209.78	0.25
24.70	0.00	26,450	209.77	0.24
24.80	0.00	26,362	209.76	0.24
24.90	0.00	26,274	209.75	0.24
25.00	0.00	26,186	209.74	0.24
25.10	0.00	26,098	209.74	0.24
25.20	0.00	26,011	209.73	0.24
25.30	0.00	25,924	209.72	0.24
25.40	0.00	25,837	209.71	0.24
25.50	0.00	25,750	209.70	0.24
25.60	0.00	25,663	209.69	0.24
25.70	0.00	25,577	209.69	0.24
25.80	0.00	25,490	209.68	0.24
25.90	0.00	25,404	209.67	0.24

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	25,318	209.66	0.24
26.10	0.00	25,232	209.65	0.24
26.20	0.00	25,146	209.64	0.24
26.30	0.00	25,061	209.64	0.24
26.40	0.00	24,975	209.63	0.24
26.50	0.00	24,890	209.62	0.24
26.60	0.00	24,805	209.61	0.24
26.70	0.00	24,720	209.60	0.24
26.80	0.00	24,636	209.59	0.24
26.90	0.00	24,551	209.59	0.23
27.00	0.00	24,467	209.58	0.23
27.10	0.00	24,383	209.57	0.23
27.20	0.00	24,298	209.56	0.23
27.30	0.00	24,215	209.55	0.23
27.40	0.00	24,131	209.55	0.23
27.50	0.00	24,047	209.54	0.23
27.60	0.00	23,964	209.53	0.23
27.70	0.00	23,881	209.52	0.23
27.80	0.00	23,798	209.51	0.23
27.90	0.00	23,715	209.51	0.23
28.00	0.00	23,632	209.50	0.23
28.10	0.00	23,550	209.49	0.23
28.20	0.00	23,468	209.48	0.23
28.30	0.00	23,386	209.47	0.23
28.40	0.00	23,304	209.46	0.23
28.50	0.00	23,222	209.46	0.23
28.60	0.00	23,140	209.45	0.23
28.70	0.00	23,059	209.44	0.23
28.80	0.00	22,977	209.43	0.23
28.90	0.00	22,896	209.42	0.23
29.00	0.00	22,815	209.42	0.22
29.10	0.00	22,735	209.41	0.22
29.20	0.00	22,654	209.40	0.22
29.30	0.00	22,573	209.39	0.22
29.40	0.00	22,493	209.39	0.22
29.50	0.00	22,413	209.38	0.22
29.60	0.00	22,333	209.37	0.22
29.70	0.00	22,253	209.36	0.22
29.80	0.00	22,174	209.35	0.22
29.90	0.00	22,094	209.35	0.22
30.00	0.00	22,015	209.34	0.22
30.10	0.00	21,936	209.33	0.22
30.20	0.00	21,857	209.32	0.22
30.30	0.00	21,779	209.31	0.22
30.40	0.00	21,700	209.31	0.22
30.50	0.00	21,622	209.30	0.22
30.60	0.00	21,543	209.29	0.22
30.70	0.00	21,465	209.28	0.22
30.80	0.00	21,388	209.28	0.22
30.90	0.00	21,310	209.27	0.22
31.00	0.00	21,232	209.26	0.22
31.10	0.00	21,155	209.25	0.21

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	21,078	209.25	0.21
31.30	0.00	21,001	209.24	0.21
31.40	0.00	20,924	209.23	0.21
31.50	0.00	20,847	209.22	0.21
31.60	0.00	20,771	209.22	0.21
31.70	0.00	20,695	209.21	0.21
31.80	0.00	20,619	209.20	0.21
31.90	0.00	20,543	209.19	0.21
32.00	0.00	20,467	209.18	0.21
32.10	0.00	20,391	209.18	0.21
32.20	0.00	20,316	209.17	0.21
32.30	0.00	20,241	209.16	0.21
32.40	0.00	20,166	209.15	0.21
32.50	0.00	20,091	209.15	0.21
32.60	0.00	20,016	209.14	0.21
32.70	0.00	19,941	209.13	0.21
32.80	0.00	19,867	209.12	0.21
32.90	0.00	19,793	209.12	0.21
33.00	0.00	19,719	209.11	0.21
33.10	0.00	19,645	209.10	0.20
33.20	0.00	19,571	209.10	0.20
33.30	0.00	19,498	209.09	0.20
33.40	0.00	19,424	209.08	0.20
33.50	0.00	19,351	209.07	0.20
33.60	0.00	19,278	209.07	0.20
33.70	0.00	19,205	209.06	0.20
33.80	0.00	19,133	209.05	0.20
33.90	0.00	19,060	209.04	0.20
34.00	0.00	18,988	209.04	0.20
34.10	0.00	18,916	209.03	0.20
34.20	0.00	18,844	209.02	0.20
34.30	0.00	18,772	209.02	0.20
34.40	0.00	18,701	209.01	0.20
34.50	0.00	18,629	209.00	0.20
34.60	0.00	18,558	208.99	0.20
34.70	0.00	18,487	208.99	0.20
34.80	0.00	18,416	208.98	0.20
34.90	0.00	18,345	208.97	0.20
35.00	0.00	18,275	208.97	0.20
35.10	0.00	18,205	208.96	0.20
35.20	0.00	18,134	208.95	0.19
35.30	0.00	18,064	208.94	0.19
35.40	0.00	17,995	208.94	0.19
35.50	0.00	17,925	208.93	0.19
35.60	0.00	17,856	208.92	0.19
35.70	0.00	17,786	208.92	0.19
35.80	0.00	17,717	208.91	0.19
35.90	0.00	17,648	208.90	0.19
36.00	0.00	17,579	208.89	0.19
36.10	0.00	17,511	208.89	0.19
36.20	0.00	17,442	208.88	0.19
36.30	0.00	17,374	208.87	0.19

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	17,306	208.87	0.19
36.50	0.00	17,238	208.86	0.19
36.60	0.00	17,171	208.85	0.19
36.70	0.00	17,103	208.85	0.19
36.80	0.00	17,036	208.84	0.19
36.90	0.00	16,969	208.83	0.19
37.00	0.00	16,902	208.83	0.19
37.10	0.00	16,835	208.82	0.19
37.20	0.00	16,768	208.81	0.18
37.30	0.00	16,702	208.81	0.18
37.40	0.00	16,636	208.80	0.18
37.50	0.00	16,569	208.79	0.18
37.60	0.00	16,504	208.79	0.18
37.70	0.00	16,438	208.78	0.18
37.80	0.00	16,372	208.77	0.18
37.90	0.00	16,307	208.77	0.18
38.00	0.00	16,242	208.76	0.18
38.10	0.00	16,177	208.75	0.18
38.20	0.00	16,112	208.75	0.18
38.30	0.00	16,047	208.74	0.18
38.40	0.00	15,983	208.73	0.18
38.50	0.00	15,918	208.73	0.18
38.60	0.00	15,854	208.72	0.18
38.70	0.00	15,790	208.71	0.18
38.80	0.00	15,726	208.71	0.18
38.90	0.00	15,663	208.70	0.18
39.00	0.00	15,599	208.69	0.18
39.10	0.00	15,536	208.69	0.18
39.20	0.00	15,473	208.68	0.17
39.30	0.00	15,410	208.67	0.17
39.40	0.00	15,348	208.67	0.17
39.50	0.00	15,285	208.66	0.17
39.60	0.00	15,223	208.65	0.17
39.70	0.00	15,161	208.65	0.17
39.80	0.00	15,099	208.64	0.17
39.90	0.00	15,037	208.63	0.17
40.00	0.00	14,975	208.63	0.17

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 5.98" for Current 100 yr event
Inflow = 17.07 cfs @ 12.06 hrs, Volume= 1.042 af
Outflow = 5.93 cfs @ 12.18 hrs, Volume= 0.899 af, Atten= 65%, Lag= 7.1 min
Primary = 5.93 cfs @ 12.18 hrs, Volume= 0.899 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.44' @ 12.18 hrs Surf.Area= 14,723 sf Storage= 20,160 cf

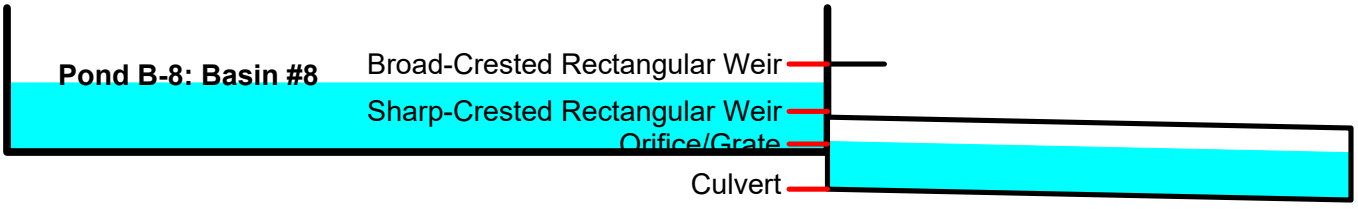
Plug-Flow detention time= 296.5 min calculated for 0.898 af (86% of inflow)
Center-of-Mass det. time= 233.4 min (1,021.8 - 788.4)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

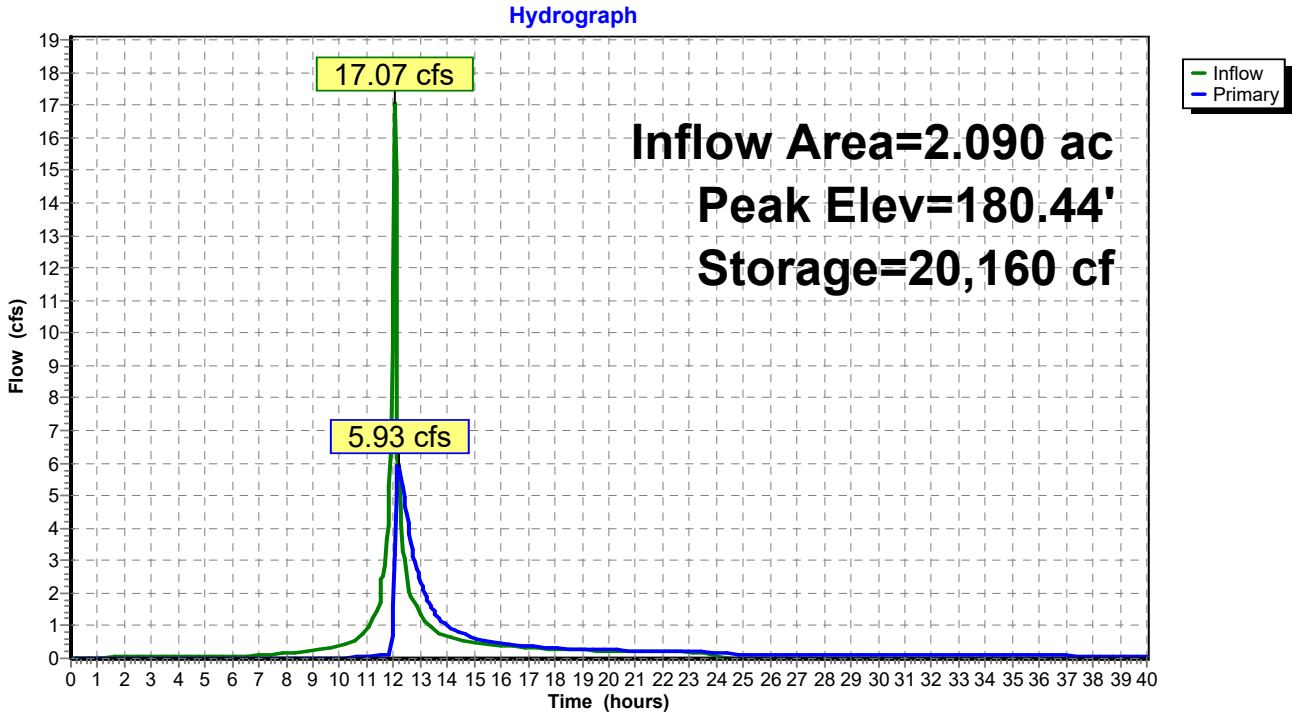
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.92 cfs @ 12.18 hrs HW=180.44' (Free Discharge)
- **1=Culvert** (Passes 5.92 cfs of 8.98 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.20 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 5.74 cfs @ 2.51 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.01	1	179.00	0.00
0.70	0.01	4	179.00	0.00
0.80	0.01	7	179.00	0.00
0.90	0.01	12	179.00	0.00
1.00	0.02	17	179.00	0.00
1.10	0.02	24	179.00	0.00
1.20	0.02	31	179.00	0.00
1.30	0.02	38	179.00	0.00
1.40	0.02	47	179.00	0.00
1.50	0.03	56	179.00	0.00
1.60	0.03	66	179.00	0.00
1.70	0.03	76	179.01	0.00
1.80	0.03	87	179.01	0.00
1.90	0.03	98	179.01	0.00
2.00	0.03	110	179.01	0.00
2.10	0.03	122	179.01	0.00
2.20	0.04	134	179.01	0.00
2.30	0.04	147	179.01	0.00
2.40	0.04	161	179.01	0.00
2.50	0.04	174	179.01	0.00
2.60	0.04	189	179.01	0.00
2.70	0.04	203	179.02	0.00
2.80	0.04	218	179.02	0.00
2.90	0.04	233	179.02	0.00
3.00	0.04	248	179.02	0.00
3.10	0.04	264	179.02	0.00
3.20	0.04	280	179.02	0.00
3.30	0.05	296	179.02	0.00
3.40	0.05	313	179.02	0.00
3.50	0.05	330	179.02	0.00
3.60	0.05	347	179.03	0.00
3.70	0.05	365	179.03	0.00
3.80	0.05	382	179.03	0.00
3.90	0.05	400	179.03	0.00
4.00	0.05	418	179.03	0.00
4.10	0.05	436	179.03	0.00
4.20	0.05	455	179.03	0.00
4.30	0.05	474	179.04	0.00
4.40	0.05	493	179.04	0.00
4.50	0.05	512	179.04	0.00
4.60	0.05	532	179.04	0.00
4.70	0.05	552	179.04	0.00
4.80	0.06	571	179.04	0.00
4.90	0.06	592	179.04	0.00
5.00	0.06	612	179.05	0.00
5.10	0.06	633	179.05	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	653	179.05	0.00
5.30	0.06	674	179.05	0.00
5.40	0.06	695	179.05	0.00
5.50	0.06	717	179.05	0.00
5.60	0.06	738	179.06	0.00
5.70	0.06	760	179.06	0.00
5.80	0.06	782	179.06	0.00
5.90	0.06	804	179.06	0.00
6.00	0.06	826	179.06	0.00
6.10	0.06	849	179.06	0.00
6.20	0.07	873	179.07	0.00
6.30	0.07	897	179.07	0.00
6.40	0.07	922	179.07	0.00
6.50	0.08	949	179.07	0.00
6.60	0.08	977	179.07	0.00
6.70	0.08	1,007	179.08	0.00
6.80	0.09	1,038	179.08	0.00
6.90	0.09	1,070	179.08	0.00
7.00	0.10	1,104	179.08	0.00
7.10	0.10	1,140	179.09	0.00
7.20	0.11	1,178	179.09	0.00
7.30	0.11	1,217	179.09	0.00
7.40	0.12	1,257	179.09	0.00
7.50	0.12	1,300	179.10	0.00
7.60	0.13	1,344	179.10	0.00
7.70	0.13	1,391	179.10	0.00
7.80	0.14	1,439	179.11	0.00
7.90	0.14	1,489	179.11	0.00
8.00	0.15	1,541	179.12	0.00
8.10	0.15	1,595	179.12	0.00
8.20	0.16	1,651	179.12	0.00
8.30	0.16	1,709	179.13	0.00
8.40	0.17	1,769	179.13	0.00
8.50	0.18	1,831	179.14	0.00
8.60	0.18	1,896	179.14	0.00
8.70	0.19	1,962	179.15	0.00
8.80	0.19	2,031	179.15	0.00
8.90	0.20	2,102	179.16	0.00
9.00	0.21	2,176	179.16	0.00
9.10	0.22	2,254	179.17	0.00
9.20	0.24	2,338	179.17	0.00
9.30	0.26	2,427	179.18	0.00
9.40	0.27	2,522	179.19	0.00
9.50	0.29	2,623	179.20	0.00
9.60	0.31	2,729	179.20	0.00
9.70	0.32	2,842	179.21	0.00
9.80	0.34	2,961	179.22	0.01
9.90	0.36	3,086	179.23	0.01
10.00	0.38	3,217	179.24	0.01
10.10	0.40	3,355	179.25	0.01
10.20	0.42	3,498	179.26	0.01
10.30	0.44	3,649	179.27	0.02

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.46	3,805	179.28	0.02
10.50	0.50	3,969	179.30	0.03
10.60	0.56	4,152	179.31	0.03
10.70	0.63	4,356	179.32	0.04
10.80	0.70	4,584	179.34	0.04
10.90	0.77	4,834	179.36	0.05
11.00	0.86	5,111	179.38	0.05
11.10	0.99	5,429	179.40	0.06
11.20	1.13	5,795	179.43	0.06
11.30	1.28	6,209	179.46	0.07
11.40	1.42	6,675	179.49	0.08
11.50	1.72	7,202	179.53	0.08
11.60	2.47	7,980	179.59	0.09
11.70	2.87	8,896	179.65	0.10
11.80	4.09	10,147	179.74	0.11
11.90	6.33	11,992	179.87	0.18
12.00	**11.37**	15,020	180.09	1.64
12.10	**14.77**	19,233	180.38	5.05
12.20	5.77	**20,148**	**180.44**	**5.92**
12.30	4.21	19,775	180.41	5.56
12.40	3.26	19,143	180.37	4.96
12.50	2.89	18,571	180.33	4.44
12.60	2.01	17,889	180.29	3.84
12.70	1.88	17,295	180.24	3.34
12.80	1.71	16,806	180.21	2.94
12.90	1.55	16,387	180.18	2.61
13.00	1.38	16,017	180.16	2.34
13.10	1.23	15,682	180.13	2.09
13.20	1.14	15,390	180.11	1.89
13.30	1.06	15,134	180.09	1.71
13.40	0.96	14,904	180.08	1.56
13.50	0.88	14,693	180.06	1.43
13.60	0.80	14,497	180.05	1.31
13.70	0.78	14,328	180.04	1.21
13.80	0.75	14,184	180.03	1.12
13.90	0.73	14,060	180.02	1.05
14.00	0.71	13,950	180.01	0.99
14.10	0.68	13,853	180.01	0.94
14.20	0.66	13,766	180.00	0.89
14.30	0.64	13,686	179.99	0.85
14.40	0.61	13,612	179.99	0.81
14.50	0.59	13,543	179.98	0.77
14.60	0.56	13,477	179.98	0.74
14.70	0.54	13,413	179.97	0.71
14.80	0.52	13,353	179.97	0.68
14.90	0.49	13,294	179.97	0.65
15.00	0.47	13,236	179.96	0.62
15.10	0.45	13,180	179.96	0.60
15.20	0.44	13,129	179.95	0.58
15.30	0.44	13,084	179.95	0.56
15.40	0.43	13,043	179.95	0.54
15.50	0.42	13,005	179.95	0.52

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.42	12,971	179.94	0.51
15.70	0.41	12,940	179.94	0.50
15.80	0.41	12,911	179.94	0.48
15.90	0.40	12,884	179.94	0.47
16.00	0.39	12,859	179.94	0.46
16.10	0.39	12,835	179.93	0.45
16.20	0.38	12,813	179.93	0.44
16.30	0.37	12,792	179.93	0.43
16.40	0.37	12,771	179.93	0.42
16.50	0.36	12,751	179.93	0.42
16.60	0.36	12,731	179.93	0.41
16.70	0.35	12,712	179.93	0.40
16.80	0.34	12,693	179.92	0.40
16.90	0.34	12,673	179.92	0.39
17.00	0.33	12,655	179.92	0.38
17.10	0.32	12,636	179.92	0.38
17.20	0.32	12,617	179.92	0.37
17.30	0.31	12,599	179.92	0.36
17.40	0.31	12,580	179.92	0.36
17.50	0.30	12,562	179.91	0.35
17.60	0.29	12,543	179.91	0.34
17.70	0.29	12,525	179.91	0.34
17.80	0.28	12,507	179.91	0.33
17.90	0.27	12,489	179.91	0.32
18.00	0.27	12,471	179.91	0.32
18.10	0.26	12,453	179.91	0.31
18.20	0.26	12,436	179.91	0.30
18.30	0.26	12,421	179.90	0.30
18.40	0.26	12,407	179.90	0.29
18.50	0.26	12,394	179.90	0.29
18.60	0.25	12,382	179.90	0.29
18.70	0.25	12,371	179.90	0.28
18.80	0.25	12,361	179.90	0.28
18.90	0.25	12,352	179.90	0.27
19.00	0.25	12,343	179.90	0.27
19.10	0.25	12,334	179.90	0.27
19.20	0.24	12,325	179.90	0.27
19.30	0.24	12,317	179.90	0.27
19.40	0.24	12,309	179.90	0.26
19.50	0.24	12,301	179.90	0.26
19.60	0.24	12,293	179.90	0.26
19.70	0.24	12,286	179.90	0.26
19.80	0.24	12,279	179.89	0.26
19.90	0.23	12,271	179.89	0.25
20.00	0.23	12,264	179.89	0.25
20.10	0.23	12,257	179.89	0.25
20.20	0.23	12,250	179.89	0.25
20.30	0.23	12,243	179.89	0.25
20.40	0.23	12,236	179.89	0.24
20.50	0.22	12,229	179.89	0.24
20.60	0.22	12,223	179.89	0.24
20.70	0.22	12,217	179.89	0.24

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.22	12,210	179.89	0.24
20.90	0.22	12,203	179.89	0.24
21.00	0.22	12,197	179.89	0.23
21.10	0.21	12,190	179.89	0.23
21.20	0.21	12,184	179.89	0.23
21.30	0.21	12,178	179.89	0.23
21.40	0.21	12,171	179.89	0.23
21.50	0.21	12,165	179.89	0.23
21.60	0.21	12,159	179.89	0.22
21.70	0.20	12,152	179.89	0.22
21.80	0.20	12,146	179.89	0.22
21.90	0.20	12,140	179.88	0.22
22.00	0.20	12,134	179.88	0.22
22.10	0.20	12,128	179.88	0.22
22.20	0.20	12,122	179.88	0.21
22.30	0.19	12,115	179.88	0.21
22.40	0.19	12,109	179.88	0.21
22.50	0.19	12,103	179.88	0.21
22.60	0.19	12,097	179.88	0.21
22.70	0.19	12,091	179.88	0.21
22.80	0.19	12,085	179.88	0.20
22.90	0.19	12,078	179.88	0.20
23.00	0.18	12,072	179.88	0.20
23.10	0.18	12,066	179.88	0.20
23.20	0.18	12,060	179.88	0.20
23.30	0.18	12,054	179.88	0.20
23.40	0.18	12,048	179.88	0.19
23.50	0.18	12,042	179.88	0.19
23.60	0.17	12,035	179.88	0.19
23.70	0.17	12,030	179.88	0.19
23.80	0.17	12,023	179.88	0.19
23.90	0.18	12,018	179.88	0.19
24.00	0.16	12,019	179.88	0.19
24.10	0.00	11,969	179.87	0.17
24.20	0.00	11,909	179.87	0.16
24.30	0.00	11,853	179.86	0.15
24.40	0.00	11,799	179.86	0.15
24.50	0.00	11,748	179.86	0.14
24.60	0.00	11,699	179.85	0.13
24.70	0.00	11,653	179.85	0.13
24.80	0.00	11,608	179.85	0.12
24.90	0.00	11,564	179.84	0.12
25.00	0.00	11,519	179.84	0.12
25.10	0.00	11,475	179.84	0.12
25.20	0.00	11,430	179.83	0.12
25.30	0.00	11,386	179.83	0.12
25.40	0.00	11,342	179.83	0.12
25.50	0.00	11,298	179.83	0.12
25.60	0.00	11,254	179.82	0.12
25.70	0.00	11,211	179.82	0.12
25.80	0.00	11,167	179.82	0.12
25.90	0.00	11,124	179.81	0.12

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,081	179.81	0.12
26.10	0.00	11,037	179.81	0.12
26.20	0.00	10,994	179.80	0.12
26.30	0.00	10,951	179.80	0.12
26.40	0.00	10,909	179.80	0.12
26.50	0.00	10,866	179.79	0.12
26.60	0.00	10,823	179.79	0.12
26.70	0.00	10,781	179.79	0.12
26.80	0.00	10,739	179.79	0.12
26.90	0.00	10,696	179.78	0.12
27.00	0.00	10,654	179.78	0.12
27.10	0.00	10,612	179.78	0.12
27.20	0.00	10,571	179.77	0.12
27.30	0.00	10,529	179.77	0.12
27.40	0.00	10,487	179.77	0.12
27.50	0.00	10,446	179.76	0.11
27.60	0.00	10,405	179.76	0.11
27.70	0.00	10,363	179.76	0.11
27.80	0.00	10,322	179.76	0.11
27.90	0.00	10,281	179.75	0.11
28.00	0.00	10,241	179.75	0.11
28.10	0.00	10,200	179.75	0.11
28.20	0.00	10,159	179.74	0.11
28.30	0.00	10,119	179.74	0.11
28.40	0.00	10,079	179.74	0.11
28.50	0.00	10,038	179.74	0.11
28.60	0.00	9,998	179.73	0.11
28.70	0.00	9,958	179.73	0.11
28.80	0.00	9,919	179.73	0.11
28.90	0.00	9,879	179.72	0.11
29.00	0.00	9,839	179.72	0.11
29.10	0.00	9,800	179.72	0.11
29.20	0.00	9,760	179.72	0.11
29.30	0.00	9,721	179.71	0.11
29.40	0.00	9,682	179.71	0.11
29.50	0.00	9,643	179.71	0.11
29.60	0.00	9,604	179.70	0.11
29.70	0.00	9,566	179.70	0.11
29.80	0.00	9,527	179.70	0.11
29.90	0.00	9,489	179.70	0.11
30.00	0.00	9,450	179.69	0.11
30.10	0.00	9,412	179.69	0.11
30.20	0.00	9,374	179.69	0.11
30.30	0.00	9,336	179.69	0.11
30.40	0.00	9,298	179.68	0.10
30.50	0.00	9,261	179.68	0.10
30.60	0.00	9,223	179.68	0.10
30.70	0.00	9,186	179.67	0.10
30.80	0.00	9,148	179.67	0.10
30.90	0.00	9,111	179.67	0.10
31.00	0.00	9,074	179.67	0.10
31.10	0.00	9,037	179.66	0.10

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,000	179.66	0.10
31.30	0.00	8,964	179.66	0.10
31.40	0.00	8,927	179.66	0.10
31.50	0.00	8,891	179.65	0.10
31.60	0.00	8,854	179.65	0.10
31.70	0.00	8,818	179.65	0.10
31.80	0.00	8,782	179.65	0.10
31.90	0.00	8,746	179.64	0.10
32.00	0.00	8,710	179.64	0.10
32.10	0.00	8,675	179.64	0.10
32.20	0.00	8,639	179.64	0.10
32.30	0.00	8,604	179.63	0.10
32.40	0.00	8,568	179.63	0.10
32.50	0.00	8,533	179.63	0.10
32.60	0.00	8,498	179.63	0.10
32.70	0.00	8,463	179.62	0.10
32.80	0.00	8,428	179.62	0.10
32.90	0.00	8,394	179.62	0.10
33.00	0.00	8,359	179.62	0.10
33.10	0.00	8,325	179.61	0.10
33.20	0.00	8,290	179.61	0.10
33.30	0.00	8,256	179.61	0.09
33.40	0.00	8,222	179.61	0.09
33.50	0.00	8,188	179.60	0.09
33.60	0.00	8,154	179.60	0.09
33.70	0.00	8,121	179.60	0.09
33.80	0.00	8,087	179.60	0.09
33.90	0.00	8,054	179.59	0.09
34.00	0.00	8,020	179.59	0.09
34.10	0.00	7,987	179.59	0.09
34.20	0.00	7,954	179.59	0.09
34.30	0.00	7,921	179.58	0.09
34.40	0.00	7,888	179.58	0.09
34.50	0.00	7,856	179.58	0.09
34.60	0.00	7,823	179.58	0.09
34.70	0.00	7,791	179.57	0.09
34.80	0.00	7,758	179.57	0.09
34.90	0.00	7,726	179.57	0.09
35.00	0.00	7,694	179.57	0.09
35.10	0.00	7,662	179.56	0.09
35.20	0.00	7,630	179.56	0.09
35.30	0.00	7,599	179.56	0.09
35.40	0.00	7,567	179.56	0.09
35.50	0.00	7,536	179.56	0.09
35.60	0.00	7,505	179.55	0.09
35.70	0.00	7,473	179.55	0.09
35.80	0.00	7,442	179.55	0.09
35.90	0.00	7,411	179.55	0.09
36.00	0.00	7,381	179.54	0.09
36.10	0.00	7,350	179.54	0.08
36.20	0.00	7,319	179.54	0.08
36.30	0.00	7,289	179.54	0.08

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,259	179.54	0.08
36.50	0.00	7,229	179.53	0.08
36.60	0.00	7,199	179.53	0.08
36.70	0.00	7,169	179.53	0.08
36.80	0.00	7,139	179.53	0.08
36.90	0.00	7,109	179.52	0.08
37.00	0.00	7,080	179.52	0.08
37.10	0.00	7,050	179.52	0.08
37.20	0.00	7,021	179.52	0.08
37.30	0.00	6,992	179.52	0.08
37.40	0.00	6,963	179.51	0.08
37.50	0.00	6,934	179.51	0.08
37.60	0.00	6,905	179.51	0.08
37.70	0.00	6,877	179.51	0.08
37.80	0.00	6,848	179.51	0.08
37.90	0.00	6,820	179.50	0.08
38.00	0.00	6,792	179.50	0.08
38.10	0.00	6,763	179.50	0.08
38.20	0.00	6,735	179.50	0.08
38.30	0.00	6,708	179.50	0.08
38.40	0.00	6,680	179.49	0.08
38.50	0.00	6,652	179.49	0.08
38.60	0.00	6,625	179.49	0.08
38.70	0.00	6,597	179.49	0.08
38.80	0.00	6,570	179.49	0.08
38.90	0.00	6,543	179.48	0.08
39.00	0.00	6,516	179.48	0.07
39.10	0.00	6,489	179.48	0.07
39.20	0.00	6,462	179.48	0.07
39.30	0.00	6,436	179.48	0.07
39.40	0.00	6,409	179.47	0.07
39.50	0.00	6,383	179.47	0.07
39.60	0.00	6,357	179.47	0.07
39.70	0.00	6,331	179.47	0.07
39.80	0.00	6,305	179.47	0.07
39.90	0.00	6,279	179.46	0.07
40.00	0.00	6,253	179.46	0.07

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)
181.08	26.70
181.09	27.71
181.10	28.75
181.11	29.81
181.12	30.89
181.13	32.00
181.14	33.13
181.15	34.29
181.16	35.47
181.17	36.68
181.18	37.91
181.19	39.16
181.20	40.44
181.21	41.74
181.22	43.07
181.23	44.42
181.24	45.82
181.25	47.25
181.26	48.70
181.27	50.18
181.28	51.68
181.29	53.22
181.30	54.77
181.31	56.36
181.32	57.97
181.33	59.60
181.34	61.27
181.35	62.95
181.36	64.67
181.37	66.41
181.38	68.18
181.39	69.98
181.40	71.80
181.41	73.65
181.42	75.52
181.43	77.42
181.44	79.09
181.45	80.76
181.46	82.45
181.47	84.15
181.48	85.86
181.49	87.59
181.50	89.33
181.51	91.08
181.52	92.84
181.53	94.62
181.54	96.41
181.55	98.22
181.56	100.03
181.57	101.86
181.58	103.70
181.59	105.56
181.60	107.42
181.61	109.30
181.62	111.19
181.63	113.09
181.64	115.04
181.65	117.01
181.66	118.98
181.67	120.98
181.68	122.98
181.69	125.00
181.70	127.03
181.71	129.07
181.72	131.13
181.73	133.19
181.74	135.28
181.75	137.37
181.76	139.48
181.77	141.60
181.78	143.73
181.79	145.87
181.80	148.03
181.81	150.20
181.82	152.38
181.83	154.58
181.84	156.73
181.85	158.90
181.86	161.07
181.87	163.26
181.88	165.46
181.89	167.66
181.90	169.88
181.91	172.11
181.92	174.35
181.93	176.60
181.94	178.86
181.95	181.13
181.96	183.41
181.97	185.70
181.98	188.00
181.99	190.31
182.00	**192.63**

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350
180.05	14,325	14,493
180.06	14,335	14,637
180.07	14,345	14,780
180.08	14,356	14,924
180.09	14,366	15,067
180.10	14,376	15,211
180.11	14,386	15,355
180.12	14,396	15,499
180.13	14,406	15,643
180.14	14,417	15,787
180.15	14,427	15,931
180.16	14,437	16,075
180.17	14,447	16,220
180.18	14,457	16,364
180.19	14,468	16,509
180.20	14,478	16,654
180.21	14,488	16,799
180.22	14,498	16,943
180.23	14,508	17,088
180.24	14,519	17,234
180.25	14,529	17,379
180.26	14,539	17,524
180.27	14,549	17,670
180.28	14,559	17,815
180.29	14,570	17,961
180.30	14,580	18,107
180.31	14,590	18,252
180.32	14,600	18,398
180.33	14,610	18,544
180.34	14,620	18,691
180.35	14,631	18,837
180.36	14,641	18,983
180.37	14,651	19,130
180.38	14,661	19,276
180.39	14,671	19,423
180.40	14,682	19,570
180.41	14,692	19,716
180.42	14,702	19,863
180.43	14,712	20,011
180.44	14,722	20,158
180.45	14,733	20,305
180.46	14,743	20,452
180.47	14,753	20,600
180.48	14,763	20,747
180.49	14,773	20,895
180.50	14,784	21,043
180.51	14,794	21,191
180.52	14,804	21,339
180.53	14,814	21,487
180.54	14,824	21,635
180.55	14,834	21,783
180.56	14,845	21,932
180.57	14,855	22,080
180.58	14,865	22,229
180.59	14,875	22,378
180.60	14,885	22,526
180.61	14,896	22,675
180.62	14,906	22,824
180.63	14,916	22,973
180.64	14,926	23,123
180.65	14,936	23,272
180.66	14,947	23,421
180.67	14,957	23,571
180.68	14,967	23,720
180.69	14,977	23,870
180.70	14,987	24,020
180.71	14,997	24,170
180.72	15,008	24,320
180.73	15,018	24,470
180.74	15,028	24,620
180.75	15,038	24,771
180.76	15,048	24,921
180.77	15,059	25,072
180.78	15,069	25,222
180.79	15,079	25,373
180.80	15,089	25,524
180.81	15,099	25,675
180.82	15,110	25,826
180.83	15,120	25,977
180.84	15,130	26,128
180.85	15,140	26,280
180.86	15,150	26,431
180.87	15,161	26,583
180.88	15,171	26,734
180.89	15,181	26,886
180.90	15,191	27,038
180.91	15,201	27,190
180.92	15,211	27,342
180.93	15,222	27,494
180.94	15,232	27,646
180.95	15,242	27,799
180.96	15,252	27,951
180.97	15,262	28,104
180.98	15,273	28,256
180.99	15,283	28,409
181.00	15,293	28,562
181.01	15,303	28,715
181.02	15,314	28,868
181.03	15,324	29,021
181.04	15,335	29,175
181.05	15,345	29,328
181.06	15,356	29,481
181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 6.84" for Current 100 yr event
Inflow = 12.98 cfs @ 12.07 hrs, Volume= 0.856 af
Outflow = 0.83 cfs @ 13.24 hrs, Volume= 0.565 af, Atten= 94%, Lag= 70.1 min
Primary = 0.83 cfs @ 13.24 hrs, Volume= 0.565 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.13' @ 13.24 hrs Surf.Area= 12,844 sf Storage= 25,088 cf

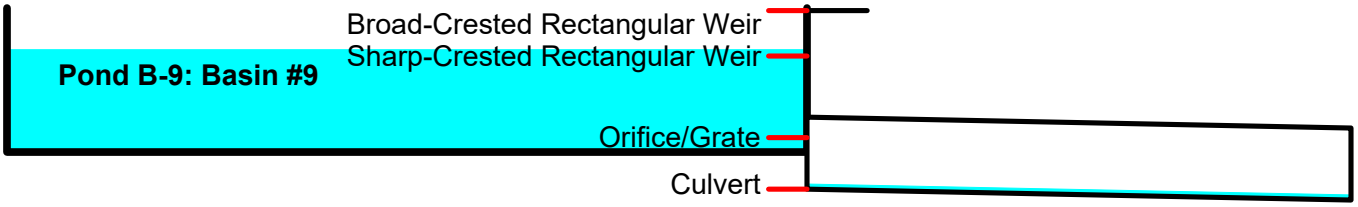
Plug-Flow detention time= 690.3 min calculated for 0.564 af (66% of inflow)
Center-of-Mass det. time= 586.8 min (1,352.0 - 765.2)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

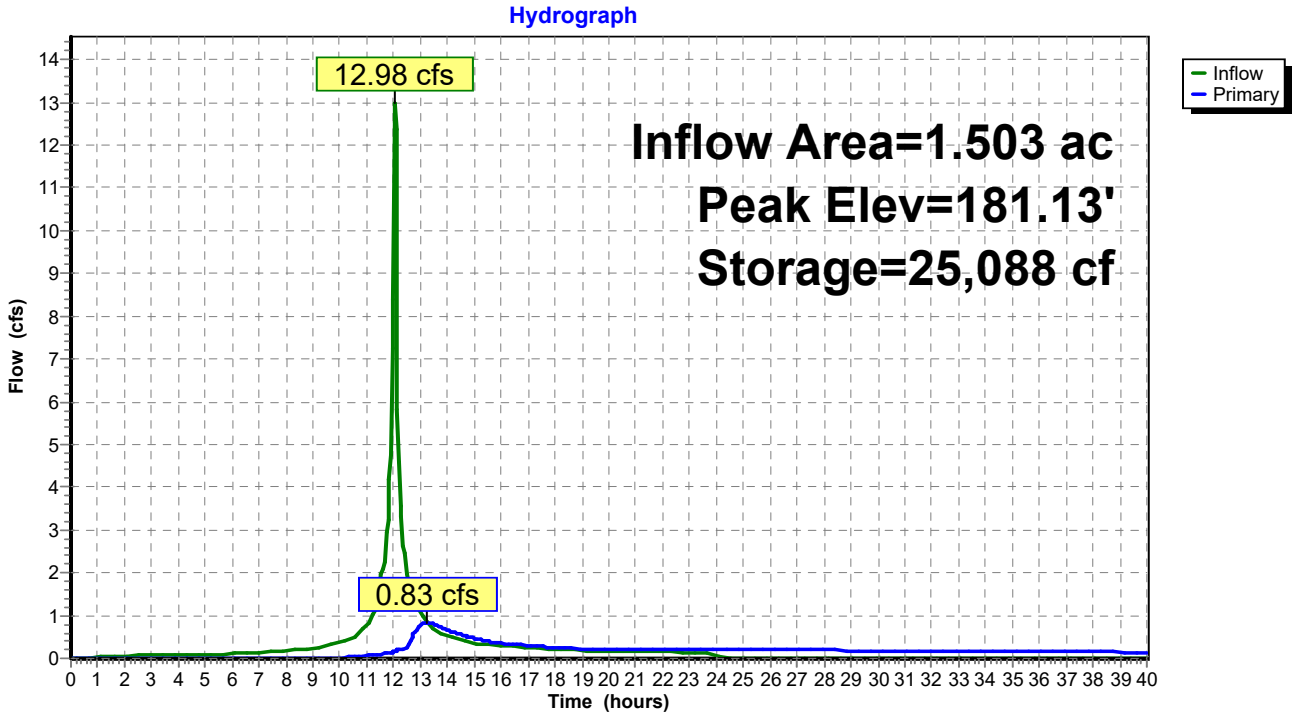
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.83 cfs @ 13.24 hrs HW=181.13' (Free Discharge)
- **1=Culvert** (Passes 0.83 cfs of 11.88 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.33 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.62 cfs @ 1.18 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.01	2	179.00	0.00
0.70	0.01	5	179.00	0.00
0.80	0.02	11	179.00	0.00
0.90	0.02	18	179.00	0.00
1.00	0.03	27	179.00	0.00
1.10	0.03	37	179.00	0.00
1.20	0.03	48	179.00	0.00
1.30	0.04	60	179.01	0.00
1.40	0.04	74	179.01	0.00
1.50	0.04	89	179.01	0.00
1.60	0.04	104	179.01	0.00
1.70	0.05	121	179.01	0.00
1.80	0.05	138	179.01	0.00
1.90	0.05	157	179.01	0.00
2.00	0.05	176	179.02	0.00
2.10	0.06	196	179.02	0.00
2.20	0.06	216	179.02	0.00
2.30	0.06	237	179.02	0.00
2.40	0.06	259	179.02	0.00
2.50	0.06	282	179.03	0.00
2.60	0.06	305	179.03	0.00
2.70	0.07	328	179.03	0.00
2.80	0.07	353	179.03	0.00
2.90	0.07	377	179.04	0.00
3.00	0.07	403	179.04	0.00
3.10	0.07	428	179.04	0.00
3.20	0.07	454	179.04	0.00
3.30	0.07	481	179.04	0.00
3.40	0.08	508	179.05	0.00
3.50	0.08	536	179.05	0.00
3.60	0.08	564	179.05	0.00
3.70	0.08	592	179.06	0.00
3.80	0.08	621	179.06	0.00
3.90	0.08	651	179.06	0.00
4.00	0.08	680	179.06	0.00
4.10	0.08	710	179.07	0.00
4.20	0.09	741	179.07	0.00
4.30	0.09	772	179.07	0.00
4.40	0.09	803	179.07	0.00
4.50	0.09	834	179.08	0.00
4.60	0.09	866	179.08	0.00
4.70	0.09	899	179.08	0.00
4.80	0.09	931	179.09	0.00
4.90	0.09	964	179.09	0.00
5.00	0.09	998	179.09	0.00
5.10	0.09	1,031	179.10	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.09	1,065	179.10	0.00
5.30	0.10	1,099	179.10	0.00
5.40	0.10	1,134	179.11	0.00
5.50	0.10	1,169	179.11	0.00
5.60	0.10	1,204	179.11	0.00
5.70	0.10	1,240	179.12	0.00
5.80	0.10	1,276	179.12	0.00
5.90	0.10	1,312	179.12	0.00
6.00	0.10	1,349	179.13	0.00
6.10	0.10	1,386	179.13	0.00
6.20	0.11	1,424	179.13	0.00
6.30	0.11	1,463	179.14	0.00
6.40	0.11	1,504	179.14	0.00
6.50	0.12	1,546	179.14	0.00
6.60	0.12	1,589	179.15	0.00
6.70	0.13	1,634	179.15	0.00
6.80	0.13	1,680	179.16	0.00
6.90	0.13	1,727	179.16	0.00
7.00	0.14	1,776	179.16	0.00
7.10	0.14	1,826	179.17	0.00
7.20	0.15	1,878	179.17	0.00
7.30	0.15	1,931	179.18	0.00
7.40	0.15	1,986	179.18	0.00
7.50	0.16	2,042	179.19	0.00
7.60	0.16	2,100	179.19	0.00
7.70	0.17	2,159	179.20	0.00
7.80	0.17	2,220	179.21	0.00
7.90	0.18	2,282	179.21	0.00
8.00	0.18	2,346	179.22	0.00
8.10	0.18	2,412	179.22	0.00
8.20	0.19	2,479	179.23	0.00
8.30	0.19	2,548	179.24	0.00
8.40	0.20	2,618	179.24	0.00
8.50	0.20	2,690	179.25	0.00
8.60	0.21	2,764	179.25	0.00
8.70	0.21	2,840	179.26	0.00
8.80	0.22	2,917	179.27	0.00
8.90	0.22	2,996	179.28	0.00
9.00	0.23	3,077	179.28	0.00
9.10	0.24	3,161	179.29	0.00
9.20	0.25	3,251	179.30	0.00
9.30	0.27	3,346	179.31	0.00
9.40	0.28	3,446	179.32	0.00
9.50	0.30	3,551	179.33	0.00
9.60	0.31	3,661	179.34	0.00
9.70	0.33	3,776	179.35	0.00
9.80	0.34	3,896	179.36	0.01
9.90	0.36	4,021	179.37	0.01
10.00	0.38	4,150	179.38	0.01
10.10	0.39	4,285	179.39	0.02
10.20	0.41	4,424	179.41	0.02
10.30	0.43	4,567	179.42	0.02

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.44	4,715	179.43	0.03
10.50	0.46	4,868	179.45	0.03
10.60	0.52	5,035	179.46	0.04
10.70	0.58	5,220	179.48	0.04
10.80	0.64	5,425	179.49	0.05
10.90	0.70	5,649	179.51	0.05
11.00	0.76	5,893	179.54	0.06
11.10	0.88	6,171	179.56	0.06
11.20	0.99	6,487	179.59	0.07
11.30	1.11	6,843	179.62	0.08
11.40	1.23	7,240	179.66	0.08
11.50	1.39	7,678	179.69	0.09
11.60	2.08	8,308	179.75	0.10
11.70	2.30	9,058	179.81	0.11
11.80	3.22	10,046	179.90	0.12
11.90	4.74	11,469	180.02	0.13
12.00	**8.39**	13,903	180.23	0.15
12.10	**12.36**	17,966	180.56	0.18
12.20	4.59	20,472	180.77	0.19
12.30	3.31	21,757	180.87	0.20
12.40	2.49	22,678	180.94	0.20
12.50	2.28	23,464	181.00	0.21
12.60	1.53	24,005	181.05	0.34
12.70	1.43	24,385	181.08	0.49
12.80	1.31	24,673	181.10	0.62
12.90	1.18	24,874	181.11	0.72
13.00	1.06	24,999	181.12	0.79
13.10	0.94	25,062	181.13	0.82
13.20	0.87	**25,086**	**181.13**	**0.83**
13.30	0.80	**25,084**	**181.13**	**0.83**
13.40	0.73	25,061	181.13	0.82
13.50	0.66	25,018	181.13	0.80
13.60	0.60	24,962	181.12	0.77
13.70	0.58	24,904	181.12	0.74
13.80	0.57	24,851	181.11	0.71
13.90	0.55	24,801	181.11	0.68
14.00	0.53	24,753	181.10	0.66
14.10	0.51	24,708	181.10	0.63
14.20	0.50	24,664	181.10	0.61
14.30	0.48	24,622	181.09	0.59
14.40	0.46	24,579	181.09	0.58
14.50	0.44	24,537	181.09	0.56
14.60	0.42	24,496	181.08	0.54
14.70	0.41	24,454	181.08	0.52
14.80	0.39	24,413	181.08	0.50
14.90	0.37	24,372	181.08	0.48
15.00	0.35	24,331	181.07	0.46
15.10	0.34	24,290	181.07	0.45
15.20	0.33	24,252	181.07	0.43
15.30	0.33	24,217	181.06	0.42
15.40	0.32	24,184	181.06	0.41
15.50	0.32	24,154	181.06	0.40

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	24,126	181.06	0.39
15.70	0.31	24,100	181.05	0.38
15.80	0.30	24,075	181.05	0.37
15.90	0.30	24,052	181.05	0.36
16.00	0.29	24,030	181.05	0.35
16.10	0.29	24,010	181.05	0.35
16.20	0.29	23,990	181.05	0.34
16.30	0.28	23,971	181.04	0.33
16.40	0.28	23,952	181.04	0.32
16.50	0.27	23,935	181.04	0.32
16.60	0.27	23,918	181.04	0.31
16.70	0.26	23,900	181.04	0.31
16.80	0.26	23,883	181.04	0.30
16.90	0.25	23,865	181.04	0.30
17.00	0.25	23,848	181.03	0.30
17.10	0.24	23,830	181.03	0.29
17.20	0.24	23,812	181.03	0.29
17.30	0.23	23,794	181.03	0.28
17.40	0.23	23,775	181.03	0.28
17.50	0.22	23,757	181.03	0.27
17.60	0.22	23,739	181.03	0.27
17.70	0.21	23,720	181.02	0.26
17.80	0.21	23,702	181.02	0.26
17.90	0.20	23,683	181.02	0.26
18.00	0.20	23,664	181.02	0.25
18.10	0.19	23,645	181.02	0.25
18.20	0.19	23,627	181.02	0.24
18.30	0.19	23,610	181.02	0.24
18.40	0.19	23,594	181.01	0.23
18.50	0.19	23,579	181.01	0.23
18.60	0.19	23,565	181.01	0.23
18.70	0.19	23,552	181.01	0.22
18.80	0.19	23,539	181.01	0.22
18.90	0.19	23,527	181.01	0.22
19.00	0.18	23,515	181.01	0.22
19.10	0.18	23,502	181.01	0.22
19.20	0.18	23,490	181.01	0.22
19.30	0.18	23,478	181.01	0.21
19.40	0.18	23,466	181.00	0.21
19.50	0.18	23,454	181.00	0.21
19.60	0.18	23,442	181.00	0.21
19.70	0.18	23,430	181.00	0.21
19.80	0.18	23,418	181.00	0.21
19.90	0.17	23,406	181.00	0.21
20.00	0.17	23,394	181.00	0.21
20.10	0.17	23,381	181.00	0.21
20.20	0.17	23,368	181.00	0.21
20.30	0.17	23,354	181.00	0.21
20.40	0.17	23,340	180.99	0.21
20.50	0.17	23,326	180.99	0.21
20.60	0.17	23,311	180.99	0.21
20.70	0.16	23,296	180.99	0.21

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	23,281	180.99	0.21
20.90	0.16	23,265	180.99	0.21
21.00	0.16	23,248	180.99	0.21
21.10	0.16	23,231	180.99	0.21
21.20	0.16	23,214	180.98	0.21
21.30	0.16	23,197	180.98	0.21
21.40	0.16	23,179	180.98	0.21
21.50	0.15	23,160	180.98	0.21
21.60	0.15	23,141	180.98	0.21
21.70	0.15	23,122	180.98	0.21
21.80	0.15	23,103	180.98	0.21
21.90	0.15	23,083	180.97	0.21
22.00	0.15	23,063	180.97	0.21
22.10	0.15	23,042	180.97	0.21
22.20	0.15	23,021	180.97	0.21
22.30	0.14	22,999	180.97	0.21
22.40	0.14	22,977	180.97	0.21
22.50	0.14	22,955	180.96	0.20
22.60	0.14	22,932	180.96	0.20
22.70	0.14	22,909	180.96	0.20
22.80	0.14	22,886	180.96	0.20
22.90	0.14	22,862	180.96	0.20
23.00	0.14	22,838	180.95	0.20
23.10	0.14	22,813	180.95	0.20
23.20	0.13	22,788	180.95	0.20
23.30	0.13	22,763	180.95	0.20
23.40	0.13	22,737	180.95	0.20
23.50	0.13	22,711	180.94	0.20
23.60	0.13	22,684	180.94	0.20
23.70	0.13	22,657	180.94	0.20
23.80	0.13	22,630	180.94	0.20
23.90	0.13	22,603	180.94	0.20
24.00	0.14	22,581	180.93	0.20
24.10	0.00	22,523	180.93	0.20
24.20	0.00	22,451	180.92	0.20
24.30	0.00	22,378	180.92	0.20
24.40	0.00	22,305	180.91	0.20
24.50	0.00	22,233	180.91	0.20
24.60	0.00	22,160	180.90	0.20
24.70	0.00	22,088	180.90	0.20
24.80	0.00	22,016	180.89	0.20
24.90	0.00	21,944	180.88	0.20
25.00	0.00	21,872	180.88	0.20
25.10	0.00	21,801	180.87	0.20
25.20	0.00	21,729	180.87	0.20
25.30	0.00	21,658	180.86	0.20
25.40	0.00	21,586	180.86	0.20
25.50	0.00	21,515	180.85	0.20
25.60	0.00	21,444	180.84	0.20
25.70	0.00	21,374	180.84	0.20
25.80	0.00	21,303	180.83	0.20
25.90	0.00	21,232	180.83	0.20

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	21,162	180.82	0.20
26.10	0.00	21,092	180.82	0.20
26.20	0.00	21,021	180.81	0.19
26.30	0.00	20,951	180.80	0.19
26.40	0.00	20,882	180.80	0.19
26.50	0.00	20,812	180.79	0.19
26.60	0.00	20,742	180.79	0.19
26.70	0.00	20,673	180.78	0.19
26.80	0.00	20,604	180.78	0.19
26.90	0.00	20,534	180.77	0.19
27.00	0.00	20,465	180.77	0.19
27.10	0.00	20,397	180.76	0.19
27.20	0.00	20,328	180.75	0.19
27.30	0.00	20,259	180.75	0.19
27.40	0.00	20,191	180.74	0.19
27.50	0.00	20,122	180.74	0.19
27.60	0.00	20,054	180.73	0.19
27.70	0.00	19,986	180.73	0.19
27.80	0.00	19,918	180.72	0.19
27.90	0.00	19,851	180.72	0.19
28.00	0.00	19,783	180.71	0.19
28.10	0.00	19,715	180.71	0.19
28.20	0.00	19,648	180.70	0.19
28.30	0.00	19,581	180.69	0.19
28.40	0.00	19,514	180.69	0.19
28.50	0.00	19,447	180.68	0.19
28.60	0.00	19,380	180.68	0.19
28.70	0.00	19,314	180.67	0.18
28.80	0.00	19,247	180.67	0.18
28.90	0.00	19,181	180.66	0.18
29.00	0.00	19,115	180.66	0.18
29.10	0.00	19,048	180.65	0.18
29.20	0.00	18,983	180.65	0.18
29.30	0.00	18,917	180.64	0.18
29.40	0.00	18,851	180.64	0.18
29.50	0.00	18,786	180.63	0.18
29.60	0.00	18,720	180.63	0.18
29.70	0.00	18,655	180.62	0.18
29.80	0.00	18,590	180.61	0.18
29.90	0.00	18,525	180.61	0.18
30.00	0.00	18,460	180.60	0.18
30.10	0.00	18,396	180.60	0.18
30.20	0.00	18,331	180.59	0.18
30.30	0.00	18,267	180.59	0.18
30.40	0.00	18,202	180.58	0.18
30.50	0.00	18,138	180.58	0.18
30.60	0.00	18,074	180.57	0.18
30.70	0.00	18,011	180.57	0.18
30.80	0.00	17,947	180.56	0.18
30.90	0.00	17,883	180.56	0.18
31.00	0.00	17,820	180.55	0.18
31.10	0.00	17,757	180.55	0.18

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	17,694	180.54	0.18
31.30	0.00	17,631	180.54	0.17
31.40	0.00	17,568	180.53	0.17
31.50	0.00	17,505	180.53	0.17
31.60	0.00	17,443	180.52	0.17
31.70	0.00	17,380	180.52	0.17
31.80	0.00	17,318	180.51	0.17
31.90	0.00	17,256	180.51	0.17
32.00	0.00	17,194	180.50	0.17
32.10	0.00	17,132	180.50	0.17
32.20	0.00	17,071	180.49	0.17
32.30	0.00	17,009	180.49	0.17
32.40	0.00	16,948	180.48	0.17
32.50	0.00	16,887	180.48	0.17
32.60	0.00	16,826	180.47	0.17
32.70	0.00	16,765	180.47	0.17
32.80	0.00	16,704	180.46	0.17
32.90	0.00	16,643	180.46	0.17
33.00	0.00	16,583	180.45	0.17
33.10	0.00	16,522	180.45	0.17
33.20	0.00	16,462	180.44	0.17
33.30	0.00	16,402	180.44	0.17
33.40	0.00	16,342	180.43	0.17
33.50	0.00	16,282	180.43	0.17
33.60	0.00	16,223	180.42	0.17
33.70	0.00	16,163	180.42	0.17
33.80	0.00	16,104	180.41	0.16
33.90	0.00	16,045	180.41	0.16
34.00	0.00	15,985	180.40	0.16
34.10	0.00	15,927	180.40	0.16
34.20	0.00	15,868	180.39	0.16
34.30	0.00	15,809	180.39	0.16
34.40	0.00	15,751	180.38	0.16
34.50	0.00	15,692	180.38	0.16
34.60	0.00	15,634	180.37	0.16
34.70	0.00	15,576	180.37	0.16
34.80	0.00	15,518	180.36	0.16
34.90	0.00	15,460	180.36	0.16
35.00	0.00	15,403	180.35	0.16
35.10	0.00	15,345	180.35	0.16
35.20	0.00	15,288	180.34	0.16
35.30	0.00	15,231	180.34	0.16
35.40	0.00	15,174	180.33	0.16
35.50	0.00	15,117	180.33	0.16
35.60	0.00	15,060	180.32	0.16
35.70	0.00	15,003	180.32	0.16
35.80	0.00	14,947	180.32	0.16
35.90	0.00	14,891	180.31	0.16
36.00	0.00	14,834	180.31	0.16
36.10	0.00	14,778	180.30	0.16
36.20	0.00	14,722	180.30	0.16
36.30	0.00	14,667	180.29	0.15

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	14,611	180.29	0.15
36.50	0.00	14,556	180.28	0.15
36.60	0.00	14,500	180.28	0.15
36.70	0.00	14,445	180.27	0.15
36.80	0.00	14,390	180.27	0.15
36.90	0.00	14,335	180.26	0.15
37.00	0.00	14,281	180.26	0.15
37.10	0.00	14,226	180.25	0.15
37.20	0.00	14,172	180.25	0.15
37.30	0.00	14,117	180.25	0.15
37.40	0.00	14,063	180.24	0.15
37.50	0.00	14,009	180.24	0.15
37.60	0.00	13,955	180.23	0.15
37.70	0.00	13,902	180.23	0.15
37.80	0.00	13,848	180.22	0.15
37.90	0.00	13,795	180.22	0.15
38.00	0.00	13,741	180.21	0.15
38.10	0.00	13,688	180.21	0.15
38.20	0.00	13,635	180.21	0.15
38.30	0.00	13,583	180.20	0.15
38.40	0.00	13,530	180.20	0.15
38.50	0.00	13,477	180.19	0.15
38.60	0.00	13,425	180.19	0.15
38.70	0.00	13,373	180.18	0.14
38.80	0.00	13,321	180.18	0.14
38.90	0.00	13,269	180.17	0.14
39.00	0.00	13,217	180.17	0.14
39.10	0.00	13,165	180.17	0.14
39.20	0.00	13,114	180.16	0.14
39.30	0.00	13,062	180.16	0.14
39.40	0.00	13,011	180.15	0.14
39.50	0.00	12,960	180.15	0.14
39.60	0.00	12,909	180.14	0.14
39.70	0.00	12,859	180.14	0.14
39.80	0.00	12,808	180.14	0.14
39.90	0.00	12,757	180.13	0.14
40.00	0.00	12,707	180.13	0.14

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679
180.05	11,750	11,796
180.06	11,760	11,914
180.07	11,771	12,031
180.08	11,781	12,149
180.09	11,791	12,267
180.10	11,801	12,385
180.11	11,811	12,503
180.12	11,821	12,621
180.13	11,831	12,740
180.14	11,841	12,858
180.15	11,851	12,976
180.16	11,861	13,095
180.17	11,871	13,214
180.18	11,881	13,332
180.19	11,892	13,451
180.20	11,902	13,570
180.21	11,912	13,689
180.22	11,922	13,808
180.23	11,932	13,928
180.24	11,942	14,047
180.25	11,952	14,167
180.26	11,962	14,286
180.27	11,972	14,406
180.28	11,982	14,526
180.29	11,992	14,645
180.30	12,002	14,765
180.31	12,012	14,885
180.32	12,023	15,006
180.33	12,033	15,126
180.34	12,043	15,246
180.35	12,053	15,367
180.36	12,063	15,487
180.37	12,073	15,608
180.38	12,083	15,729
180.39	12,093	15,850
180.40	12,103	15,971
180.41	12,113	16,092
180.42	12,123	16,213
180.43	12,133	16,334
180.44	12,144	16,456
180.45	12,154	16,577
180.46	12,164	16,699
180.47	12,174	16,820
180.48	12,184	16,942
180.49	12,194	17,064
180.50	12,204	17,186
180.51	12,214	17,308
180.52	12,224	17,430
180.53	12,234	17,553
180.54	12,244	17,675
180.55	12,254	17,797
180.56	12,264	17,920
180.57	12,275	18,043
180.58	12,285	18,166
180.59	12,295	18,288
180.60	12,305	18,411
180.61	12,315	18,535
180.62	12,325	18,658
180.63	12,335	18,781
180.64	12,345	18,904
180.65	12,355	19,028
180.66	12,365	19,152
180.67	12,375	19,275
180.68	12,385	19,399
180.69	12,396	19,523
180.70	12,406	19,647
180.71	12,416	19,771
180.72	12,426	19,895
180.73	12,436	20,020
180.74	12,446	20,144
180.75	12,456	20,269
180.76	12,466	20,393
180.77	12,476	20,518
180.78	12,486	20,643
180.79	12,496	20,768
180.80	12,506	20,893
180.81	12,516	21,018
180.82	12,527	21,143
180.83	12,537	21,268
180.84	12,547	21,394
180.85	12,557	21,519
180.86	12,567	21,645
180.87	12,577	21,770
180.88	12,587	21,896
180.89	12,597	22,022
180.90	12,607	22,148
180.91	12,617	22,274
180.92	12,627	22,401
180.93	12,637	22,527
180.94	12,648	22,653
180.95	12,658	22,780
180.96	12,668	22,906
180.97	12,678	23,033
180.98	12,688	23,160
180.99	12,698	23,287
181.00	12,708	23,414
181.01	12,718	23,541
181.02	12,729	23,668
181.03	12,739	23,796
181.04	12,749	23,923
181.05	12,760	24,051
181.06	12,770	24,178
181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

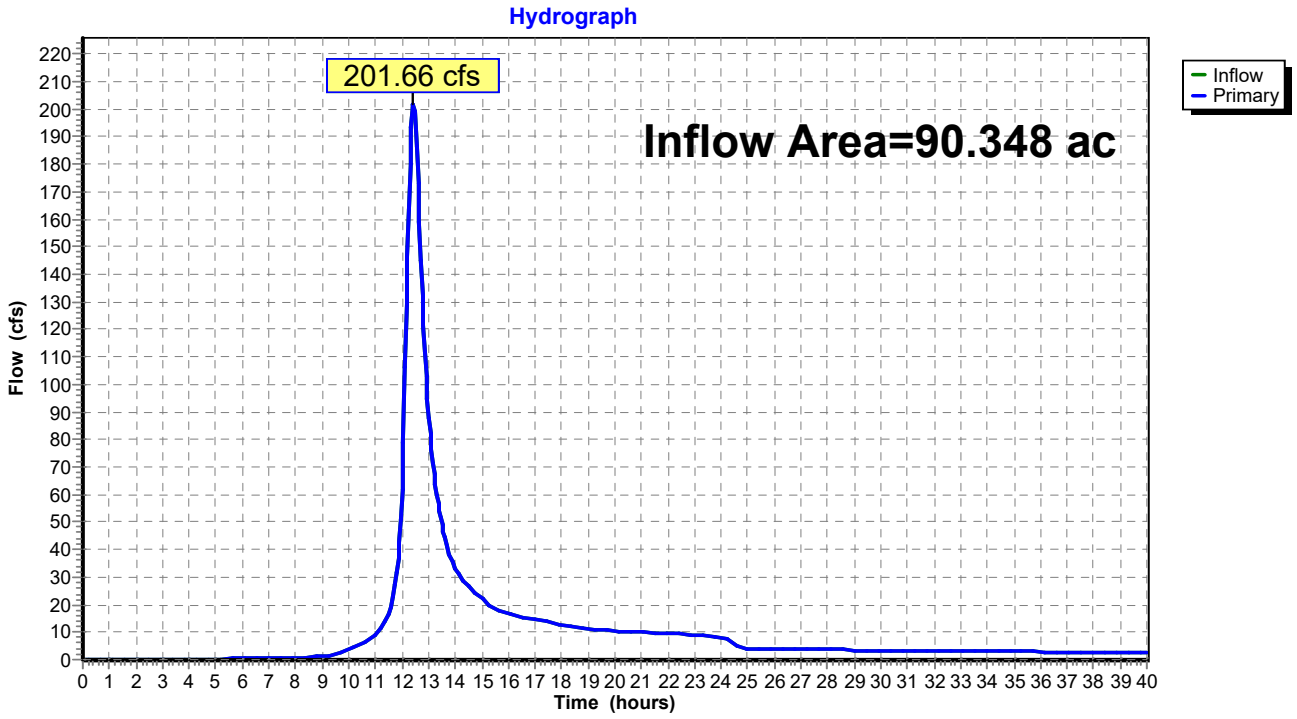
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth > 4.60" for Current 100 yr event
Inflow = 201.66 cfs @ 12.43 hrs, Volume= 34.601 af
Primary = 201.66 cfs @ 12.43 hrs, Volume= 34.601 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.05	0.00	0.05
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.08	0.00	0.08
0.45	0.00	0.00	0.00	3.05	0.08	0.00	0.08
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.10	0.00	0.10
0.65	0.00	0.00	0.00	3.25	0.10	0.00	0.10
0.70	0.00	0.00	0.00	3.30	0.11	0.00	0.11
0.75	0.00	0.00	0.00	3.35	0.11	0.00	0.11
0.80	0.00	0.00	0.00	3.40	0.12	0.00	0.12
0.85	0.00	0.00	0.00	3.45	0.12	0.00	0.12
0.90	0.00	0.00	0.00	3.50	0.13	0.00	0.13
0.95	0.00	0.00	0.00	3.55	0.13	0.00	0.13
1.00	0.00	0.00	0.00	3.60	0.14	0.00	0.14
1.05	0.00	0.00	0.00	3.65	0.14	0.00	0.14
1.10	0.00	0.00	0.00	3.70	0.15	0.00	0.15
1.15	0.00	0.00	0.00	3.75	0.15	0.00	0.15
1.20	0.00	0.00	0.00	3.80	0.16	0.00	0.16
1.25	0.00	0.00	0.00	3.85	0.17	0.00	0.17
1.30	0.00	0.00	0.00	3.90	0.17	0.00	0.17
1.35	0.00	0.00	0.00	3.95	0.17	0.00	0.17
1.40	0.00	0.00	0.00	4.00	0.18	0.00	0.18
1.45	0.00	0.00	0.00	4.05	0.18	0.00	0.18
1.50	0.00	0.00	0.00	4.10	0.19	0.00	0.19
1.55	0.00	0.00	0.00	4.15	0.19	0.00	0.19
1.60	0.00	0.00	0.00	4.20	0.20	0.00	0.20
1.65	0.00	0.00	0.00	4.25	0.20	0.00	0.20
1.70	0.00	0.00	0.00	4.30	0.21	0.00	0.21
1.75	0.00	0.00	0.00	4.35	0.21	0.00	0.21
1.80	0.00	0.00	0.00	4.40	0.22	0.00	0.22
1.85	0.00	0.00	0.00	4.45	0.22	0.00	0.22
1.90	0.00	0.00	0.00	4.50	0.23	0.00	0.23
1.95	0.00	0.00	0.00	4.55	0.23	0.00	0.23
2.00	0.00	0.00	0.00	4.60	0.24	0.00	0.24
2.05	0.00	0.00	0.00	4.65	0.24	0.00	0.24
2.10	0.00	0.00	0.00	4.70	0.25	0.00	0.25
2.15	0.00	0.00	0.00	4.75	0.25	0.00	0.25
2.20	0.00	0.00	0.00	4.80	0.26	0.00	0.26
2.25	0.01	0.00	0.01	4.85	0.26	0.00	0.26
2.30	0.01	0.00	0.01	4.90	0.27	0.00	0.27
2.35	0.01	0.00	0.01	4.95	0.27	0.00	0.27
2.40	0.02	0.00	0.02	5.00	0.27	0.00	0.27
2.45	0.02	0.00	0.02	5.05	0.28	0.00	0.28
2.50	0.02	0.00	0.02	5.10	0.28	0.00	0.28
2.55	0.03	0.00	0.03	5.15	0.29	0.00	0.29

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.29	0.00	0.29	7.80	0.62	0.00	0.62
5.25	0.30	0.00	0.30	7.85	0.63	0.00	0.63
5.30	0.30	0.00	0.30	7.90	0.64	0.00	0.64
5.35	0.31	0.00	0.31	7.95	0.65	0.00	0.65
5.40	0.31	0.00	0.31	8.00	0.66	0.00	0.66
5.45	0.31	0.00	0.31	8.05	0.67	0.00	0.67
5.50	0.32	0.00	0.32	8.10	0.68	0.00	0.68
5.55	0.32	0.00	0.32	8.15	0.69	0.00	0.69
5.60	0.33	0.00	0.33	8.20	0.71	0.00	0.71
5.65	0.33	0.00	0.33	8.25	0.72	0.00	0.72
5.70	0.34	0.00	0.34	8.30	0.74	0.00	0.74
5.75	0.34	0.00	0.34	8.35	0.76	0.00	0.76
5.80	0.34	0.00	0.34	8.40	0.78	0.00	0.78
5.85	0.35	0.00	0.35	8.45	0.81	0.00	0.81
5.90	0.35	0.00	0.35	8.50	0.83	0.00	0.83
5.95	0.36	0.00	0.36	8.55	0.86	0.00	0.86
6.00	0.36	0.00	0.36	8.60	0.89	0.00	0.89
6.05	0.36	0.00	0.36	8.65	0.93	0.00	0.93
6.10	0.37	0.00	0.37	8.70	0.96	0.00	0.96
6.15	0.37	0.00	0.37	8.75	1.01	0.00	1.01
6.20	0.38	0.00	0.38	8.80	1.05	0.00	1.05
6.25	0.38	0.00	0.38	8.85	1.10	0.00	1.10
6.30	0.39	0.00	0.39	8.90	1.15	0.00	1.15
6.35	0.39	0.00	0.39	8.95	1.20	0.00	1.20
6.40	0.40	0.00	0.40	9.00	1.25	0.00	1.25
6.45	0.40	0.00	0.40	9.05	1.30	0.00	1.30
6.50	0.41	0.00	0.41	9.10	1.36	0.00	1.36
6.55	0.42	0.00	0.42	9.15	1.42	0.00	1.42
6.60	0.42	0.00	0.42	9.20	1.49	0.00	1.49
6.65	0.43	0.00	0.43	9.25	1.56	0.00	1.56
6.70	0.44	0.00	0.44	9.30	1.64	0.00	1.64
6.75	0.45	0.00	0.45	9.35	1.73	0.00	1.73
6.80	0.45	0.00	0.45	9.40	1.83	0.00	1.83
6.85	0.46	0.00	0.46	9.45	1.93	0.00	1.93
6.90	0.47	0.00	0.47	9.50	2.05	0.00	2.05
6.95	0.48	0.00	0.48	9.55	2.17	0.00	2.17
7.00	0.49	0.00	0.49	9.60	2.30	0.00	2.30
7.05	0.49	0.00	0.49	9.65	2.44	0.00	2.44
7.10	0.50	0.00	0.50	9.70	2.59	0.00	2.59
7.15	0.51	0.00	0.51	9.75	2.75	0.00	2.75
7.20	0.52	0.00	0.52	9.80	2.91	0.00	2.91
7.25	0.53	0.00	0.53	9.85	3.08	0.00	3.08
7.30	0.54	0.00	0.54	9.90	3.25	0.00	3.25
7.35	0.55	0.00	0.55	9.95	3.43	0.00	3.43
7.40	0.55	0.00	0.55	10.00	3.61	0.00	3.61
7.45	0.56	0.00	0.56	10.05	3.80	0.00	3.80
7.50	0.57	0.00	0.57	10.10	4.00	0.00	4.00
7.55	0.58	0.00	0.58	10.15	4.20	0.00	4.20
7.60	0.59	0.00	0.59	10.20	4.40	0.00	4.40
7.65	0.60	0.00	0.60	10.25	4.61	0.00	4.61
7.70	0.61	0.00	0.61	10.30	4.83	0.00	4.83
7.75	0.61	0.00	0.61	10.35	5.04	0.00	5.04

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.26	0.00	5.26	13.00	88.07	0.00	88.07
10.45	5.49	0.00	5.49	13.05	81.83	0.00	81.83
10.50	5.72	0.00	5.72	13.10	76.33	0.00	76.33
10.55	5.95	0.00	5.95	13.15	71.52	0.00	71.52
10.60	6.19	0.00	6.19	13.20	67.25	0.00	67.25
10.65	6.45	0.00	6.45	13.25	63.40	0.00	63.40
10.70	6.72	0.00	6.72	13.30	59.93	0.00	59.93
10.75	7.02	0.00	7.02	13.35	56.78	0.00	56.78
10.80	7.35	0.00	7.35	13.40	53.86	0.00	53.86
10.85	7.72	0.00	7.72	13.45	51.22	0.00	51.22
10.90	8.13	0.00	8.13	13.50	48.80	0.00	48.80
10.95	8.59	0.00	8.59	13.55	46.57	0.00	46.57
11.00	9.08	0.00	9.08	13.60	44.47	0.00	44.47
11.05	9.61	0.00	9.61	13.65	42.54	0.00	42.54
11.10	10.19	0.00	10.19	13.70	40.73	0.00	40.73
11.15	10.80	0.00	10.80	13.75	39.03	0.00	39.03
11.20	11.46	0.00	11.46	13.80	37.47	0.00	37.47
11.25	12.19	0.00	12.19	13.85	36.07	0.00	36.07
11.30	13.00	0.00	13.00	13.90	34.81	0.00	34.81
11.35	13.87	0.00	13.87	13.95	33.69	0.00	33.69
11.40	14.83	0.00	14.83	14.00	32.71	0.00	32.71
11.45	15.88	0.00	15.88	14.05	31.83	0.00	31.83
11.50	17.00	0.00	17.00	14.10	31.02	0.00	31.02
11.55	18.21	0.00	18.21	14.15	30.31	0.00	30.31
11.60	19.57	0.00	19.57	14.20	29.67	0.00	29.67
11.65	21.45	0.00	21.45	14.25	29.06	0.00	29.06
11.70	24.10	0.00	24.10	14.30	28.49	0.00	28.49
11.75	27.55	0.00	27.55	14.35	27.96	0.00	27.96
11.80	31.77	0.00	31.77	14.40	27.45	0.00	27.45
11.85	36.78	0.00	36.78	14.45	26.95	0.00	26.95
11.90	42.78	0.00	42.78	14.50	26.48	0.00	26.48
11.95	50.94	0.00	50.94	14.55	26.02	0.00	26.02
12.00	61.95	0.00	61.95	14.60	25.56	0.00	25.56
12.05	78.76	0.00	78.76	14.65	25.11	0.00	25.11
12.10	106.01	0.00	106.01	14.70	24.67	0.00	24.67
12.15	128.95	0.00	128.95	14.75	24.24	0.00	24.24
12.20	146.20	0.00	146.20	14.80	23.80	0.00	23.80
12.25	163.50	0.00	163.50	14.85	23.38	0.00	23.38
12.30	180.32	0.00	180.32	14.90	22.95	0.00	22.95
12.35	193.69	0.00	193.69	14.95	22.53	0.00	22.53
12.40	200.49	0.00	200.49	15.00	22.10	0.00	22.10
12.45	**201.29**	0.00	**201.29**	15.05	21.68	0.00	21.68
12.50	196.43	0.00	196.43	15.10	21.27	0.00	21.27
12.55	186.55	0.00	186.55	15.15	20.86	0.00	20.86
12.60	173.26	0.00	173.26	15.20	20.47	0.00	20.47
12.65	158.74	0.00	158.74	15.25	20.09	0.00	20.09
12.70	144.78	0.00	144.78	15.30	19.72	0.00	19.72
12.75	132.54	0.00	132.54	15.35	19.38	0.00	19.38
12.80	121.64	0.00	121.64	15.40	19.06	0.00	19.06
12.85	111.84	0.00	111.84	15.45	18.77	0.00	18.77
12.90	102.97	0.00	102.97	15.50	18.50	0.00	18.50
12.95	95.04	0.00	95.04	15.55	18.26	0.00	18.26

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	18.04	0.00	18.04	18.20	12.13	0.00	12.13
15.65	17.83	0.00	17.83	18.25	12.02	0.00	12.02
15.70	17.64	0.00	17.64	18.30	11.93	0.00	11.93
15.75	17.47	0.00	17.47	18.35	11.84	0.00	11.84
15.80	17.30	0.00	17.30	18.40	11.75	0.00	11.75
15.85	17.14	0.00	17.14	18.45	11.67	0.00	11.67
15.90	17.00	0.00	17.00	18.50	11.60	0.00	11.60
15.95	16.85	0.00	16.85	18.55	11.53	0.00	11.53
16.00	16.71	0.00	16.71	18.60	11.47	0.00	11.47
16.05	16.58	0.00	16.58	18.65	11.42	0.00	11.42
16.10	16.46	0.00	16.46	18.70	11.37	0.00	11.37
16.15	16.35	0.00	16.35	18.75	11.32	0.00	11.32
16.20	16.25	0.00	16.25	18.80	11.27	0.00	11.27
16.25	16.15	0.00	16.15	18.85	11.23	0.00	11.23
16.30	16.05	0.00	16.05	18.90	11.19	0.00	11.19
16.35	15.95	0.00	15.95	18.95	11.15	0.00	11.15
16.40	15.85	0.00	15.85	19.00	11.12	0.00	11.12
16.45	15.75	0.00	15.75	19.05	11.08	0.00	11.08
16.50	15.65	0.00	15.65	19.10	11.04	0.00	11.04
16.55	15.54	0.00	15.54	19.15	11.01	0.00	11.01
16.60	15.44	0.00	15.44	19.20	10.98	0.00	10.98
16.65	15.34	0.00	15.34	19.25	10.94	0.00	10.94
16.70	15.24	0.00	15.24	19.30	10.91	0.00	10.91
16.75	15.14	0.00	15.14	19.35	10.88	0.00	10.88
16.80	15.04	0.00	15.04	19.40	10.84	0.00	10.84
16.85	14.95	0.00	14.95	19.45	10.81	0.00	10.81
16.90	14.85	0.00	14.85	19.50	10.78	0.00	10.78
16.95	14.75	0.00	14.75	19.55	10.75	0.00	10.75
17.00	14.65	0.00	14.65	19.60	10.72	0.00	10.72
17.05	14.55	0.00	14.55	19.65	10.68	0.00	10.68
17.10	14.45	0.00	14.45	19.70	10.66	0.00	10.66
17.15	14.35	0.00	14.35	19.75	10.63	0.00	10.63
17.20	14.24	0.00	14.24	19.80	10.60	0.00	10.60
17.25	14.14	0.00	14.14	19.85	10.57	0.00	10.57
17.30	14.04	0.00	14.04	19.90	10.55	0.00	10.55
17.35	13.94	0.00	13.94	19.95	10.52	0.00	10.52
17.40	13.83	0.00	13.83	20.00	10.49	0.00	10.49
17.45	13.73	0.00	13.73	20.05	10.47	0.00	10.47
17.50	13.63	0.00	13.63	20.10	10.44	0.00	10.44
17.55	13.52	0.00	13.52	20.15	10.41	0.00	10.41
17.60	13.42	0.00	13.42	20.20	10.39	0.00	10.39
17.65	13.31	0.00	13.31	20.25	10.36	0.00	10.36
17.70	13.21	0.00	13.21	20.30	10.33	0.00	10.33
17.75	13.10	0.00	13.10	20.35	10.30	0.00	10.30
17.80	12.99	0.00	12.99	20.40	10.28	0.00	10.28
17.85	12.89	0.00	12.89	20.45	10.25	0.00	10.25
17.90	12.78	0.00	12.78	20.50	10.22	0.00	10.22
17.95	12.67	0.00	12.67	20.55	10.20	0.00	10.20
18.00	12.56	0.00	12.56	20.60	10.17	0.00	10.17
18.05	12.45	0.00	12.45	20.65	10.14	0.00	10.14
18.10	12.34	0.00	12.34	20.70	10.12	0.00	10.12
18.15	12.23	0.00	12.23	20.75	10.10	0.00	10.10

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	10.07	0.00	10.07	23.40	8.73	0.00	8.73
20.85	10.04	0.00	10.04	23.45	8.71	0.00	8.71
20.90	10.02	0.00	10.02	23.50	8.68	0.00	8.68
20.95	10.00	0.00	10.00	23.55	8.65	0.00	8.65
21.00	9.97	0.00	9.97	23.60	8.63	0.00	8.63
21.05	9.94	0.00	9.94	23.65	8.60	0.00	8.60
21.10	9.92	0.00	9.92	23.70	8.58	0.00	8.58
21.15	9.89	0.00	9.89	23.75	8.55	0.00	8.55
21.20	9.86	0.00	9.86	23.80	8.52	0.00	8.52
21.25	9.84	0.00	9.84	23.85	8.50	0.00	8.50
21.30	9.81	0.00	9.81	23.90	8.47	0.00	8.47
21.35	9.78	0.00	9.78	23.95	8.45	0.00	8.45
21.40	9.76	0.00	9.76	24.00	8.43	0.00	8.43
21.45	9.74	0.00	9.74	24.05	8.41	0.00	8.41
21.50	9.71	0.00	9.71	24.10	8.35	0.00	8.35
21.55	9.69	0.00	9.69	24.15	8.26	0.00	8.26
21.60	9.67	0.00	9.67	24.20	8.11	0.00	8.11
21.65	9.64	0.00	9.64	24.25	7.88	0.00	7.88
21.70	9.61	0.00	9.61	24.30	7.54	0.00	7.54
21.75	9.59	0.00	9.59	24.35	7.12	0.00	7.12
21.80	9.56	0.00	9.56	24.40	6.66	0.00	6.66
21.85	9.54	0.00	9.54	24.45	6.20	0.00	6.20
21.90	9.51	0.00	9.51	24.50	5.76	0.00	5.76
21.95	9.49	0.00	9.49	24.55	5.38	0.00	5.38
22.00	9.46	0.00	9.46	24.60	5.05	0.00	5.05
22.05	9.44	0.00	9.44	24.65	4.80	0.00	4.80
22.10	9.41	0.00	9.41	24.70	4.60	0.00	4.60
22.15	9.39	0.00	9.39	24.75	4.44	0.00	4.44
22.20	9.36	0.00	9.36	24.80	4.32	0.00	4.32
22.25	9.33	0.00	9.33	24.85	4.22	0.00	4.22
22.30	9.31	0.00	9.31	24.90	4.14	0.00	4.14
22.35	9.28	0.00	9.28	24.95	4.07	0.00	4.07
22.40	9.26	0.00	9.26	25.00	4.02	0.00	4.02
22.45	9.23	0.00	9.23	25.05	3.98	0.00	3.98
22.50	9.21	0.00	9.21	25.10	3.95	0.00	3.95
22.55	9.18	0.00	9.18	25.15	3.92	0.00	3.92
22.60	9.15	0.00	9.15	25.20	3.90	0.00	3.90
22.65	9.13	0.00	9.13	25.25	3.88	0.00	3.88
22.70	9.10	0.00	9.10	25.30	3.86	0.00	3.86
22.75	9.08	0.00	9.08	25.35	3.85	0.00	3.85
22.80	9.05	0.00	9.05	25.40	3.84	0.00	3.84
22.85	9.03	0.00	9.03	25.45	3.83	0.00	3.83
22.90	9.00	0.00	9.00	25.50	3.82	0.00	3.82
22.95	8.97	0.00	8.97	25.55	3.81	0.00	3.81
23.00	8.95	0.00	8.95	25.60	3.80	0.00	3.80
23.05	8.92	0.00	8.92	25.65	3.80	0.00	3.80
23.10	8.89	0.00	8.89	25.70	3.79	0.00	3.79
23.15	8.87	0.00	8.87	25.75	3.79	0.00	3.79
23.20	8.84	0.00	8.84	25.80	3.78	0.00	3.78
23.25	8.81	0.00	8.81	25.85	3.78	0.00	3.78
23.30	8.79	0.00	8.79	25.90	3.77	0.00	3.77
23.35	8.76	0.00	8.76	25.95	3.77	0.00	3.77

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	3.76	0.00	3.76	28.60	3.53	0.00	3.53
26.05	3.76	0.00	3.76	28.65	3.53	0.00	3.53
26.10	3.75	0.00	3.75	28.70	3.52	0.00	3.52
26.15	3.75	0.00	3.75	28.75	3.52	0.00	3.52
26.20	3.74	0.00	3.74	28.80	3.51	0.00	3.51
26.25	3.74	0.00	3.74	28.85	3.51	0.00	3.51
26.30	3.74	0.00	3.74	28.90	3.50	0.00	3.50
26.35	3.73	0.00	3.73	28.95	3.50	0.00	3.50
26.40	3.73	0.00	3.73	29.00	3.49	0.00	3.49
26.45	3.72	0.00	3.72	29.05	3.49	0.00	3.49
26.50	3.72	0.00	3.72	29.10	3.48	0.00	3.48
26.55	3.71	0.00	3.71	29.15	3.48	0.00	3.48
26.60	3.71	0.00	3.71	29.20	3.48	0.00	3.48
26.65	3.70	0.00	3.70	29.25	3.47	0.00	3.47
26.70	3.70	0.00	3.70	29.30	3.47	0.00	3.47
26.75	3.70	0.00	3.70	29.35	3.46	0.00	3.46
26.80	3.69	0.00	3.69	29.40	3.46	0.00	3.46
26.85	3.69	0.00	3.69	29.45	3.45	0.00	3.45
26.90	3.68	0.00	3.68	29.50	3.45	0.00	3.45
26.95	3.68	0.00	3.68	29.55	3.44	0.00	3.44
27.00	3.67	0.00	3.67	29.60	3.44	0.00	3.44
27.05	3.67	0.00	3.67	29.65	3.44	0.00	3.44
27.10	3.66	0.00	3.66	29.70	3.43	0.00	3.43
27.15	3.66	0.00	3.66	29.75	3.43	0.00	3.43
27.20	3.66	0.00	3.66	29.80	3.42	0.00	3.42
27.25	3.65	0.00	3.65	29.85	3.42	0.00	3.42
27.30	3.65	0.00	3.65	29.90	3.41	0.00	3.41
27.35	3.64	0.00	3.64	29.95	3.41	0.00	3.41
27.40	3.64	0.00	3.64	30.00	3.40	0.00	3.40
27.45	3.63	0.00	3.63	30.05	3.40	0.00	3.40
27.50	3.63	0.00	3.63	30.10	3.39	0.00	3.39
27.55	3.62	0.00	3.62	30.15	3.39	0.00	3.39
27.60	3.62	0.00	3.62	30.20	3.39	0.00	3.39
27.65	3.62	0.00	3.62	30.25	3.38	0.00	3.38
27.70	3.61	0.00	3.61	30.30	3.38	0.00	3.38
27.75	3.61	0.00	3.61	30.35	3.37	0.00	3.37
27.80	3.60	0.00	3.60	30.40	3.37	0.00	3.37
27.85	3.60	0.00	3.60	30.45	3.36	0.00	3.36
27.90	3.59	0.00	3.59	30.50	3.36	0.00	3.36
27.95	3.59	0.00	3.59	30.55	3.35	0.00	3.35
28.00	3.58	0.00	3.58	30.60	3.35	0.00	3.35
28.05	3.58	0.00	3.58	30.65	3.34	0.00	3.34
28.10	3.57	0.00	3.57	30.70	3.34	0.00	3.34
28.15	3.57	0.00	3.57	30.75	3.34	0.00	3.34
28.20	3.57	0.00	3.57	30.80	3.33	0.00	3.33
28.25	3.56	0.00	3.56	30.85	3.33	0.00	3.33
28.30	3.56	0.00	3.56	30.90	3.32	0.00	3.32
28.35	3.55	0.00	3.55	30.95	3.32	0.00	3.32
28.40	3.55	0.00	3.55	31.00	3.31	0.00	3.31
28.45	3.54	0.00	3.54	31.05	3.31	0.00	3.31
28.50	3.54	0.00	3.54	31.10	3.30	0.00	3.30
28.55	3.53	0.00	3.53	31.15	3.30	0.00	3.30

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	3.29	0.00	3.29	33.80	3.06	0.00	3.06
31.25	3.29	0.00	3.29	33.85	3.05	0.00	3.05
31.30	3.29	0.00	3.29	33.90	3.05	0.00	3.05
31.35	3.28	0.00	3.28	33.95	3.04	0.00	3.04
31.40	3.28	0.00	3.28	34.00	3.04	0.00	3.04
31.45	3.27	0.00	3.27	34.05	3.03	0.00	3.03
31.50	3.27	0.00	3.27	34.10	3.03	0.00	3.03
31.55	3.26	0.00	3.26	34.15	3.03	0.00	3.03
31.60	3.26	0.00	3.26	34.20	3.02	0.00	3.02
31.65	3.25	0.00	3.25	34.25	3.02	0.00	3.02
31.70	3.25	0.00	3.25	34.30	3.01	0.00	3.01
31.75	3.24	0.00	3.24	34.35	3.01	0.00	3.01
31.80	3.24	0.00	3.24	34.40	3.00	0.00	3.00
31.85	3.24	0.00	3.24	34.45	3.00	0.00	3.00
31.90	3.23	0.00	3.23	34.50	2.99	0.00	2.99
31.95	3.23	0.00	3.23	34.55	2.99	0.00	2.99
32.00	3.22	0.00	3.22	34.60	2.98	0.00	2.98
32.05	3.22	0.00	3.22	34.65	2.98	0.00	2.98
32.10	3.21	0.00	3.21	34.70	2.97	0.00	2.97
32.15	3.21	0.00	3.21	34.75	2.97	0.00	2.97
32.20	3.20	0.00	3.20	34.80	2.97	0.00	2.97
32.25	3.20	0.00	3.20	34.85	2.96	0.00	2.96
32.30	3.19	0.00	3.19	34.90	2.96	0.00	2.96
32.35	3.19	0.00	3.19	34.95	2.95	0.00	2.95
32.40	3.19	0.00	3.19	35.00	2.95	0.00	2.95
32.45	3.18	0.00	3.18	35.05	2.94	0.00	2.94
32.50	3.18	0.00	3.18	35.10	2.94	0.00	2.94
32.55	3.17	0.00	3.17	35.15	2.93	0.00	2.93
32.60	3.17	0.00	3.17	35.20	2.93	0.00	2.93
32.65	3.16	0.00	3.16	35.25	2.92	0.00	2.92
32.70	3.16	0.00	3.16	35.30	2.92	0.00	2.92
32.75	3.15	0.00	3.15	35.35	2.91	0.00	2.91
32.80	3.15	0.00	3.15	35.40	2.91	0.00	2.91
32.85	3.14	0.00	3.14	35.45	2.91	0.00	2.91
32.90	3.14	0.00	3.14	35.50	2.90	0.00	2.90
32.95	3.14	0.00	3.14	35.55	2.90	0.00	2.90
33.00	3.13	0.00	3.13	35.60	2.89	0.00	2.89
33.05	3.13	0.00	3.13	35.65	2.89	0.00	2.89
33.10	3.12	0.00	3.12	35.70	2.88	0.00	2.88
33.15	3.12	0.00	3.12	35.75	2.88	0.00	2.88
33.20	3.11	0.00	3.11	35.80	2.87	0.00	2.87
33.25	3.11	0.00	3.11	35.85	2.87	0.00	2.87
33.30	3.10	0.00	3.10	35.90	2.86	0.00	2.86
33.35	3.10	0.00	3.10	35.95	2.86	0.00	2.86
33.40	3.09	0.00	3.09	36.00	2.85	0.00	2.85
33.45	3.09	0.00	3.09	36.05	2.85	0.00	2.85
33.50	3.08	0.00	3.08	36.10	2.85	0.00	2.85
33.55	3.08	0.00	3.08	36.15	2.84	0.00	2.84
33.60	3.08	0.00	3.08	36.20	2.84	0.00	2.84
33.65	3.07	0.00	3.07	36.25	2.83	0.00	2.83
33.70	3.07	0.00	3.07	36.30	2.83	0.00	2.83
33.75	3.06	0.00	3.06	36.35	2.82	0.00	2.82

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

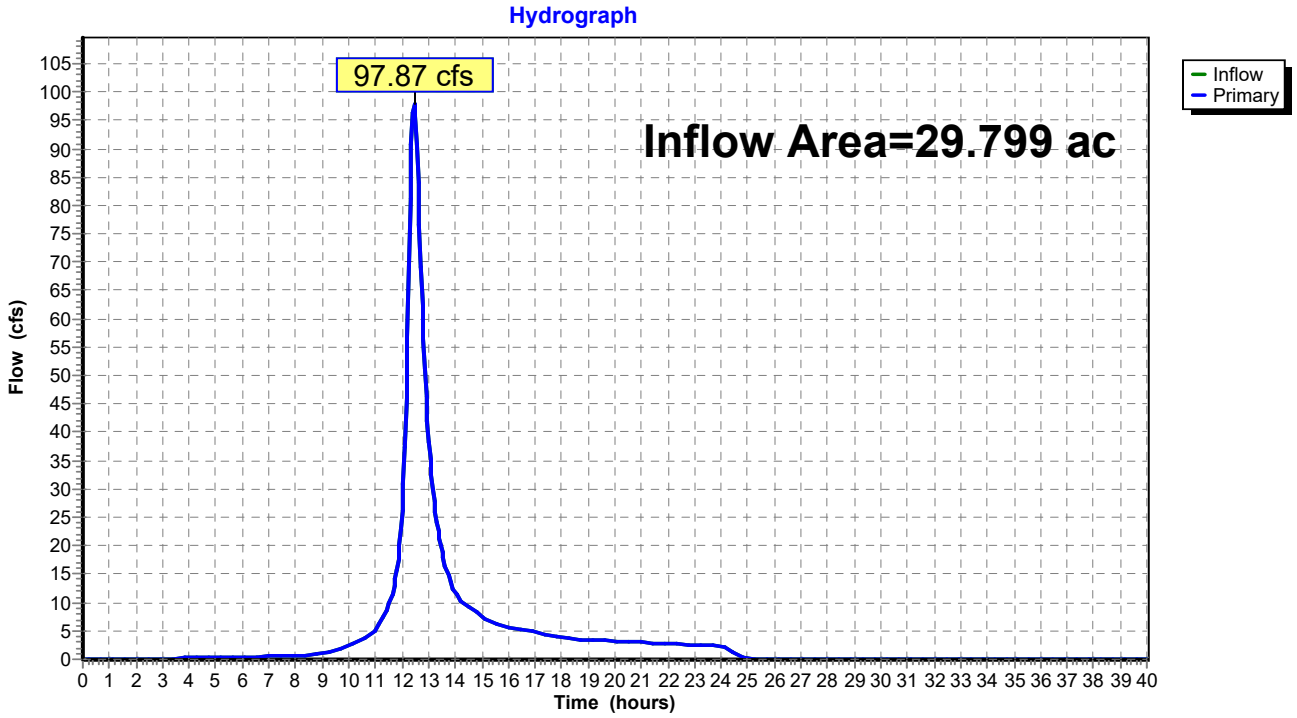
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	2.82	0.00	2.82
36.45	2.81	0.00	2.81
36.50	2.81	0.00	2.81
36.55	2.80	0.00	2.80
36.60	2.80	0.00	2.80
36.65	2.79	0.00	2.79
36.70	2.79	0.00	2.79
36.75	2.79	0.00	2.79
36.80	2.78	0.00	2.78
36.85	2.78	0.00	2.78
36.90	2.77	0.00	2.77
36.95	2.77	0.00	2.77
37.00	2.76	0.00	2.76
37.05	2.76	0.00	2.76
37.10	2.75	0.00	2.75
37.15	2.75	0.00	2.75
37.20	2.74	0.00	2.74
37.25	2.74	0.00	2.74
37.30	2.73	0.00	2.73
37.35	2.73	0.00	2.73
37.40	2.72	0.00	2.72
37.45	2.72	0.00	2.72
37.50	2.72	0.00	2.72
37.55	2.71	0.00	2.71
37.60	2.71	0.00	2.71
37.65	2.70	0.00	2.70
37.70	2.70	0.00	2.70
37.75	2.69	0.00	2.69
37.80	2.69	0.00	2.69
37.85	2.68	0.00	2.68
37.90	2.68	0.00	2.68
37.95	2.67	0.00	2.67
38.00	2.67	0.00	2.67
38.05	2.66	0.00	2.66
38.10	2.66	0.00	2.66
38.15	2.65	0.00	2.65
38.20	2.65	0.00	2.65
38.25	2.65	0.00	2.65
38.30	2.64	0.00	2.64
38.35	2.64	0.00	2.64
38.40	2.63	0.00	2.63
38.45	2.63	0.00	2.63
38.50	2.62	0.00	2.62
38.55	2.62	0.00	2.62
38.60	2.61	0.00	2.61
38.65	2.61	0.00	2.61
38.70	2.60	0.00	2.60
38.75	2.60	0.00	2.60
38.80	2.59	0.00	2.59
38.85	2.59	0.00	2.59
38.90	2.59	0.00	2.59
38.95	2.58	0.00	2.58
39.00	2.58	0.00	2.58
39.05	2.57	0.00	2.57
39.10	2.57	0.00	2.57
39.15	2.56	0.00	2.56
39.20	2.56	0.00	2.56
39.25	2.55	0.00	2.55
39.30	2.55	0.00	2.55
39.35	2.54	0.00	2.54
39.40	2.54	0.00	2.54
39.45	2.53	0.00	2.53
39.50	2.53	0.00	2.53
39.55	2.52	0.00	2.52
39.60	2.52	0.00	2.52
39.65	2.51	0.00	2.51
39.70	2.51	0.00	2.51
39.75	2.51	0.00	2.51
39.80	2.50	0.00	2.50
39.85	2.50	0.00	2.50
39.90	2.49	0.00	2.49
39.95	2.49	0.00	2.49
40.00	2.48	0.00	2.48

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 4.98" for Current 100 yr event
Inflow = 97.87 cfs @ 12.45 hrs, Volume= 12.369 af
Primary = 97.87 cfs @ 12.45 hrs, Volume= 12.369 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.04	0.00	0.04
0.10	0.00	0.00	0.00	2.70	0.04	0.00	0.04
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.05	0.00	0.05
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.07	0.00	0.07
0.35	0.00	0.00	0.00	2.95	0.07	0.00	0.07
0.40	0.00	0.00	0.00	3.00	0.08	0.00	0.08
0.45	0.00	0.00	0.00	3.05	0.08	0.00	0.08
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.10	0.00	0.10
0.65	0.00	0.00	0.00	3.25	0.10	0.00	0.10
0.70	0.00	0.00	0.00	3.30	0.11	0.00	0.11
0.75	0.00	0.00	0.00	3.35	0.11	0.00	0.11
0.80	0.00	0.00	0.00	3.40	0.12	0.00	0.12
0.85	0.00	0.00	0.00	3.45	0.12	0.00	0.12
0.90	0.00	0.00	0.00	3.50	0.13	0.00	0.13
0.95	0.00	0.00	0.00	3.55	0.13	0.00	0.13
1.00	0.00	0.00	0.00	3.60	0.14	0.00	0.14
1.05	0.00	0.00	0.00	3.65	0.14	0.00	0.14
1.10	0.00	0.00	0.00	3.70	0.15	0.00	0.15
1.15	0.00	0.00	0.00	3.75	0.15	0.00	0.15
1.20	0.00	0.00	0.00	3.80	0.16	0.00	0.16
1.25	0.00	0.00	0.00	3.85	0.17	0.00	0.17
1.30	0.00	0.00	0.00	3.90	0.17	0.00	0.17
1.35	0.00	0.00	0.00	3.95	0.17	0.00	0.17
1.40	0.00	0.00	0.00	4.00	0.18	0.00	0.18
1.45	0.00	0.00	0.00	4.05	0.18	0.00	0.18
1.50	0.00	0.00	0.00	4.10	0.19	0.00	0.19
1.55	0.00	0.00	0.00	4.15	0.19	0.00	0.19
1.60	0.00	0.00	0.00	4.20	0.20	0.00	0.20
1.65	0.00	0.00	0.00	4.25	0.20	0.00	0.20
1.70	0.00	0.00	0.00	4.30	0.21	0.00	0.21
1.75	0.00	0.00	0.00	4.35	0.21	0.00	0.21
1.80	0.00	0.00	0.00	4.40	0.22	0.00	0.22
1.85	0.00	0.00	0.00	4.45	0.22	0.00	0.22
1.90	0.00	0.00	0.00	4.50	0.23	0.00	0.23
1.95	0.00	0.00	0.00	4.55	0.23	0.00	0.23
2.00	0.00	0.00	0.00	4.60	0.24	0.00	0.24
2.05	0.00	0.00	0.00	4.65	0.24	0.00	0.24
2.10	0.00	0.00	0.00	4.70	0.25	0.00	0.25
2.15	0.00	0.00	0.00	4.75	0.25	0.00	0.25
2.20	0.00	0.00	0.00	4.80	0.26	0.00	0.26
2.25	0.01	0.00	0.01	4.85	0.26	0.00	0.26
2.30	0.01	0.00	0.01	4.90	0.27	0.00	0.27
2.35	0.01	0.00	0.01	4.95	0.27	0.00	0.27
2.40	0.02	0.00	0.02	5.00	0.27	0.00	0.27
2.45	0.02	0.00	0.02	5.05	0.28	0.00	0.28
2.50	0.02	0.00	0.02	5.10	0.28	0.00	0.28
2.55	0.03	0.00	0.03	5.15	0.29	0.00	0.29

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.29	0.00	0.29	7.80	0.62	0.00	0.62
5.25	0.30	0.00	0.30	7.85	0.63	0.00	0.63
5.30	0.30	0.00	0.30	7.90	0.64	0.00	0.64
5.35	0.31	0.00	0.31	7.95	0.65	0.00	0.65
5.40	0.31	0.00	0.31	8.00	0.66	0.00	0.66
5.45	0.31	0.00	0.31	8.05	0.67	0.00	0.67
5.50	0.32	0.00	0.32	8.10	0.68	0.00	0.68
5.55	0.32	0.00	0.32	8.15	0.69	0.00	0.69
5.60	0.33	0.00	0.33	8.20	0.71	0.00	0.71
5.65	0.33	0.00	0.33	8.25	0.72	0.00	0.72
5.70	0.34	0.00	0.34	8.30	0.74	0.00	0.74
5.75	0.34	0.00	0.34	8.35	0.76	0.00	0.76
5.80	0.34	0.00	0.34	8.40	0.78	0.00	0.78
5.85	0.35	0.00	0.35	8.45	0.81	0.00	0.81
5.90	0.35	0.00	0.35	8.50	0.83	0.00	0.83
5.95	0.36	0.00	0.36	8.55	0.86	0.00	0.86
6.00	0.36	0.00	0.36	8.60	0.89	0.00	0.89
6.05	0.36	0.00	0.36	8.65	0.92	0.00	0.92
6.10	0.37	0.00	0.37	8.70	0.95	0.00	0.95
6.15	0.37	0.00	0.37	8.75	0.98	0.00	0.98
6.20	0.38	0.00	0.38	8.80	1.01	0.00	1.01
6.25	0.38	0.00	0.38	8.85	1.04	0.00	1.04
6.30	0.39	0.00	0.39	8.90	1.08	0.00	1.08
6.35	0.39	0.00	0.39	8.95	1.11	0.00	1.11
6.40	0.40	0.00	0.40	9.00	1.14	0.00	1.14
6.45	0.40	0.00	0.40	9.05	1.18	0.00	1.18
6.50	0.41	0.00	0.41	9.10	1.21	0.00	1.21
6.55	0.42	0.00	0.42	9.15	1.25	0.00	1.25
6.60	0.42	0.00	0.42	9.20	1.29	0.00	1.29
6.65	0.43	0.00	0.43	9.25	1.33	0.00	1.33
6.70	0.44	0.00	0.44	9.30	1.37	0.00	1.37
6.75	0.45	0.00	0.45	9.35	1.42	0.00	1.42
6.80	0.45	0.00	0.45	9.40	1.48	0.00	1.48
6.85	0.46	0.00	0.46	9.45	1.53	0.00	1.53
6.90	0.47	0.00	0.47	9.50	1.59	0.00	1.59
6.95	0.48	0.00	0.48	9.55	1.66	0.00	1.66
7.00	0.49	0.00	0.49	9.60	1.72	0.00	1.72
7.05	0.49	0.00	0.49	9.65	1.79	0.00	1.79
7.10	0.50	0.00	0.50	9.70	1.87	0.00	1.87
7.15	0.51	0.00	0.51	9.75	1.95	0.00	1.95
7.20	0.52	0.00	0.52	9.80	2.02	0.00	2.02
7.25	0.53	0.00	0.53	9.85	2.11	0.00	2.11
7.30	0.54	0.00	0.54	9.90	2.19	0.00	2.19
7.35	0.55	0.00	0.55	9.95	2.28	0.00	2.28
7.40	0.55	0.00	0.55	10.00	2.36	0.00	2.36
7.45	0.56	0.00	0.56	10.05	2.46	0.00	2.46
7.50	0.57	0.00	0.57	10.10	2.55	0.00	2.55
7.55	0.58	0.00	0.58	10.15	2.64	0.00	2.64
7.60	0.59	0.00	0.59	10.20	2.74	0.00	2.74
7.65	0.60	0.00	0.60	10.25	2.84	0.00	2.84
7.70	0.61	0.00	0.61	10.30	2.95	0.00	2.95
7.75	0.61	0.00	0.61	10.35	3.05	0.00	3.05

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.16	0.00	3.16	13.00	38.37	0.00	38.37
10.45	3.27	0.00	3.27	13.05	35.11	0.00	35.11
10.50	3.38	0.00	3.38	13.10	32.28	0.00	32.28
10.55	3.49	0.00	3.49	13.15	29.85	0.00	29.85
10.60	3.61	0.00	3.61	13.20	27.72	0.00	27.72
10.65	3.73	0.00	3.73	13.25	25.81	0.00	25.81
10.70	3.87	0.00	3.87	13.30	24.11	0.00	24.11
10.75	4.02	0.00	4.02	13.35	22.60	0.00	22.60
10.80	4.20	0.00	4.20	13.40	21.21	0.00	21.21
10.85	4.39	0.00	4.39	13.45	19.96	0.00	19.96
10.90	4.62	0.00	4.62	13.50	18.86	0.00	18.86
10.95	4.87	0.00	4.87	13.55	17.84	0.00	17.84
11.00	5.14	0.00	5.14	13.60	16.91	0.00	16.91
11.05	5.44	0.00	5.44	13.65	16.05	0.00	16.05
11.10	5.76	0.00	5.76	13.70	15.25	0.00	15.25
11.15	6.10	0.00	6.10	13.75	14.48	0.00	14.48
11.20	6.47	0.00	6.47	13.80	13.78	0.00	13.78
11.25	6.88	0.00	6.88	13.85	13.15	0.00	13.15
11.30	7.33	0.00	7.33	13.90	12.58	0.00	12.58
11.35	7.83	0.00	7.83	13.95	12.09	0.00	12.09
11.40	8.37	0.00	8.37	14.00	11.67	0.00	11.67
11.45	8.97	0.00	8.97	14.05	11.30	0.00	11.30
11.50	9.61	0.00	9.61	14.10	10.96	0.00	10.96
11.55	10.29	0.00	10.29	14.15	10.67	0.00	10.67
11.60	11.05	0.00	11.05	14.20	10.42	0.00	10.42
11.65	11.93	0.00	11.93	14.25	10.18	0.00	10.18
11.70	12.97	0.00	12.97	14.30	9.97	0.00	9.97
11.75	14.25	0.00	14.25	14.35	9.77	0.00	9.77
11.80	15.82	0.00	15.82	14.40	9.58	0.00	9.58
11.85	17.69	0.00	17.69	14.45	9.39	0.00	9.39
11.90	19.94	0.00	19.94	14.50	9.22	0.00	9.22
11.95	22.70	0.00	22.70	14.55	9.05	0.00	9.05
12.00	26.22	0.00	26.22	14.60	8.88	0.00	8.88
12.05	30.90	0.00	30.90	14.65	8.71	0.00	8.71
12.10	37.29	0.00	37.29	14.70	8.56	0.00	8.56
12.15	45.97	0.00	45.97	14.75	8.40	0.00	8.40
12.20	56.93	0.00	56.93	14.80	8.24	0.00	8.24
12.25	69.22	0.00	69.22	14.85	8.08	0.00	8.08
12.30	81.21	0.00	81.21	14.90	7.93	0.00	7.93
12.35	90.87	0.00	90.87	14.95	7.77	0.00	7.77
12.40	96.36	0.00	96.36	15.00	7.61	0.00	7.61
12.45	**97.85**	0.00	**97.85**	15.05	7.46	0.00	7.46
12.50	95.72	0.00	95.72	15.10	7.30	0.00	7.30
12.55	90.78	0.00	90.78	15.15	7.15	0.00	7.15
12.60	84.10	0.00	84.10	15.20	6.99	0.00	6.99
12.65	76.60	0.00	76.60	15.25	6.85	0.00	6.85
12.70	69.13	0.00	69.13	15.30	6.70	0.00	6.70
12.75	62.48	0.00	62.48	15.35	6.56	0.00	6.56
12.80	56.52	0.00	56.52	15.40	6.43	0.00	6.43
12.85	51.16	0.00	51.16	15.45	6.32	0.00	6.32
12.90	46.33	0.00	46.33	15.50	6.21	0.00	6.21
12.95	42.07	0.00	42.07	15.55	6.12	0.00	6.12

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.04	0.00	6.04	18.20	3.76	0.00	3.76
15.65	5.97	0.00	5.97	18.25	3.72	0.00	3.72
15.70	5.90	0.00	5.90	18.30	3.68	0.00	3.68
15.75	5.85	0.00	5.85	18.35	3.64	0.00	3.64
15.80	5.79	0.00	5.79	18.40	3.61	0.00	3.61
15.85	5.74	0.00	5.74	18.45	3.58	0.00	3.58
15.90	5.69	0.00	5.69	18.50	3.55	0.00	3.55
15.95	5.64	0.00	5.64	18.55	3.53	0.00	3.53
16.00	5.59	0.00	5.59	18.60	3.50	0.00	3.50
16.05	5.54	0.00	5.54	18.65	3.48	0.00	3.48
16.10	5.50	0.00	5.50	18.70	3.47	0.00	3.47
16.15	5.46	0.00	5.46	18.75	3.45	0.00	3.45
16.20	5.41	0.00	5.41	18.80	3.44	0.00	3.44
16.25	5.37	0.00	5.37	18.85	3.42	0.00	3.42
16.30	5.33	0.00	5.33	18.90	3.41	0.00	3.41
16.35	5.29	0.00	5.29	18.95	3.40	0.00	3.40
16.40	5.25	0.00	5.25	19.00	3.39	0.00	3.39
16.45	5.21	0.00	5.21	19.05	3.38	0.00	3.38
16.50	5.17	0.00	5.17	19.10	3.36	0.00	3.36
16.55	5.13	0.00	5.13	19.15	3.35	0.00	3.35
16.60	5.09	0.00	5.09	19.20	3.34	0.00	3.34
16.65	5.04	0.00	5.04	19.25	3.33	0.00	3.33
16.70	5.00	0.00	5.00	19.30	3.32	0.00	3.32
16.75	4.96	0.00	4.96	19.35	3.31	0.00	3.31
16.80	4.92	0.00	4.92	19.40	3.30	0.00	3.30
16.85	4.88	0.00	4.88	19.45	3.29	0.00	3.29
16.90	4.84	0.00	4.84	19.50	3.28	0.00	3.28
16.95	4.80	0.00	4.80	19.55	3.27	0.00	3.27
17.00	4.76	0.00	4.76	19.60	3.26	0.00	3.26
17.05	4.71	0.00	4.71	19.65	3.25	0.00	3.25
17.10	4.67	0.00	4.67	19.70	3.24	0.00	3.24
17.15	4.63	0.00	4.63	19.75	3.23	0.00	3.23
17.20	4.59	0.00	4.59	19.80	3.22	0.00	3.22
17.25	4.55	0.00	4.55	19.85	3.21	0.00	3.21
17.30	4.51	0.00	4.51	19.90	3.20	0.00	3.20
17.35	4.47	0.00	4.47	19.95	3.19	0.00	3.19
17.40	4.43	0.00	4.43	20.00	3.18	0.00	3.18
17.45	4.39	0.00	4.39	20.05	3.17	0.00	3.17
17.50	4.34	0.00	4.34	20.10	3.16	0.00	3.16
17.55	4.30	0.00	4.30	20.15	3.15	0.00	3.15
17.60	4.26	0.00	4.26	20.20	3.14	0.00	3.14
17.65	4.22	0.00	4.22	20.25	3.13	0.00	3.13
17.70	4.18	0.00	4.18	20.30	3.12	0.00	3.12
17.75	4.13	0.00	4.13	20.35	3.11	0.00	3.11
17.80	4.09	0.00	4.09	20.40	3.10	0.00	3.10
17.85	4.05	0.00	4.05	20.45	3.08	0.00	3.08
17.90	4.01	0.00	4.01	20.50	3.07	0.00	3.07
17.95	3.97	0.00	3.97	20.55	3.06	0.00	3.06
18.00	3.93	0.00	3.93	20.60	3.05	0.00	3.05
18.05	3.89	0.00	3.89	20.65	3.04	0.00	3.04
18.10	3.84	0.00	3.84	20.70	3.03	0.00	3.03
18.15	3.80	0.00	3.80	20.75	3.02	0.00	3.02

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.01	0.00	3.01	23.40	2.47	0.00	2.47
20.85	3.00	0.00	3.00	23.45	2.46	0.00	2.46
20.90	2.99	0.00	2.99	23.50	2.45	0.00	2.45
20.95	2.98	0.00	2.98	23.55	2.44	0.00	2.44
21.00	2.97	0.00	2.97	23.60	2.43	0.00	2.43
21.05	2.96	0.00	2.96	23.65	2.42	0.00	2.42
21.10	2.95	0.00	2.95	23.70	2.41	0.00	2.41
21.15	2.94	0.00	2.94	23.75	2.39	0.00	2.39
21.20	2.93	0.00	2.93	23.80	2.38	0.00	2.38
21.25	2.92	0.00	2.92	23.85	2.37	0.00	2.37
21.30	2.91	0.00	2.91	23.90	2.36	0.00	2.36
21.35	2.90	0.00	2.90	23.95	2.35	0.00	2.35
21.40	2.89	0.00	2.89	24.00	2.35	0.00	2.35
21.45	2.88	0.00	2.88	24.05	2.34	0.00	2.34
21.50	2.87	0.00	2.87	24.10	2.33	0.00	2.33
21.55	2.86	0.00	2.86	24.15	2.31	0.00	2.31
21.60	2.85	0.00	2.85	24.20	2.25	0.00	2.25
21.65	2.84	0.00	2.84	24.25	2.13	0.00	2.13
21.70	2.83	0.00	2.83	24.30	1.95	0.00	1.95
21.75	2.82	0.00	2.82	24.35	1.73	0.00	1.73
21.80	2.81	0.00	2.81	24.40	1.48	0.00	1.48
21.85	2.79	0.00	2.79	24.45	1.23	0.00	1.23
21.90	2.78	0.00	2.78	24.50	1.00	0.00	1.00
21.95	2.77	0.00	2.77	24.55	0.80	0.00	0.80
22.00	2.76	0.00	2.76	24.60	0.62	0.00	0.62
22.05	2.75	0.00	2.75	24.65	0.49	0.00	0.49
22.10	2.74	0.00	2.74	24.70	0.39	0.00	0.39
22.15	2.73	0.00	2.73	24.75	0.31	0.00	0.31
22.20	2.72	0.00	2.72	24.80	0.25	0.00	0.25
22.25	2.71	0.00	2.71	24.85	0.19	0.00	0.19
22.30	2.70	0.00	2.70	24.90	0.15	0.00	0.15
22.35	2.69	0.00	2.69	24.95	0.12	0.00	0.12
22.40	2.68	0.00	2.68	25.00	0.10	0.00	0.10
22.45	2.67	0.00	2.67	25.05	0.08	0.00	0.08
22.50	2.66	0.00	2.66	25.10	0.06	0.00	0.06
22.55	2.65	0.00	2.65	25.15	0.05	0.00	0.05
22.60	2.64	0.00	2.64	25.20	0.04	0.00	0.04
22.65	2.63	0.00	2.63	25.25	0.03	0.00	0.03
22.70	2.62	0.00	2.62	25.30	0.02	0.00	0.02
22.75	2.61	0.00	2.61	25.35	0.02	0.00	0.02
22.80	2.60	0.00	2.60	25.40	0.01	0.00	0.01
22.85	2.59	0.00	2.59	25.45	0.01	0.00	0.01
22.90	2.57	0.00	2.57	25.50	0.01	0.00	0.01
22.95	2.56	0.00	2.56	25.55	0.00	0.00	0.00
23.00	2.55	0.00	2.55	25.60	0.00	0.00	0.00
23.05	2.54	0.00	2.54	25.65	0.00	0.00	0.00
23.10	2.53	0.00	2.53	25.70	0.00	0.00	0.00
23.15	2.52	0.00	2.52	25.75	0.00	0.00	0.00
23.20	2.51	0.00	2.51	25.80	0.00	0.00	0.00
23.25	2.50	0.00	2.50	25.85	0.00	0.00	0.00
23.30	2.49	0.00	2.49	25.90	0.00	0.00	0.00
23.35	2.48	0.00	2.48	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

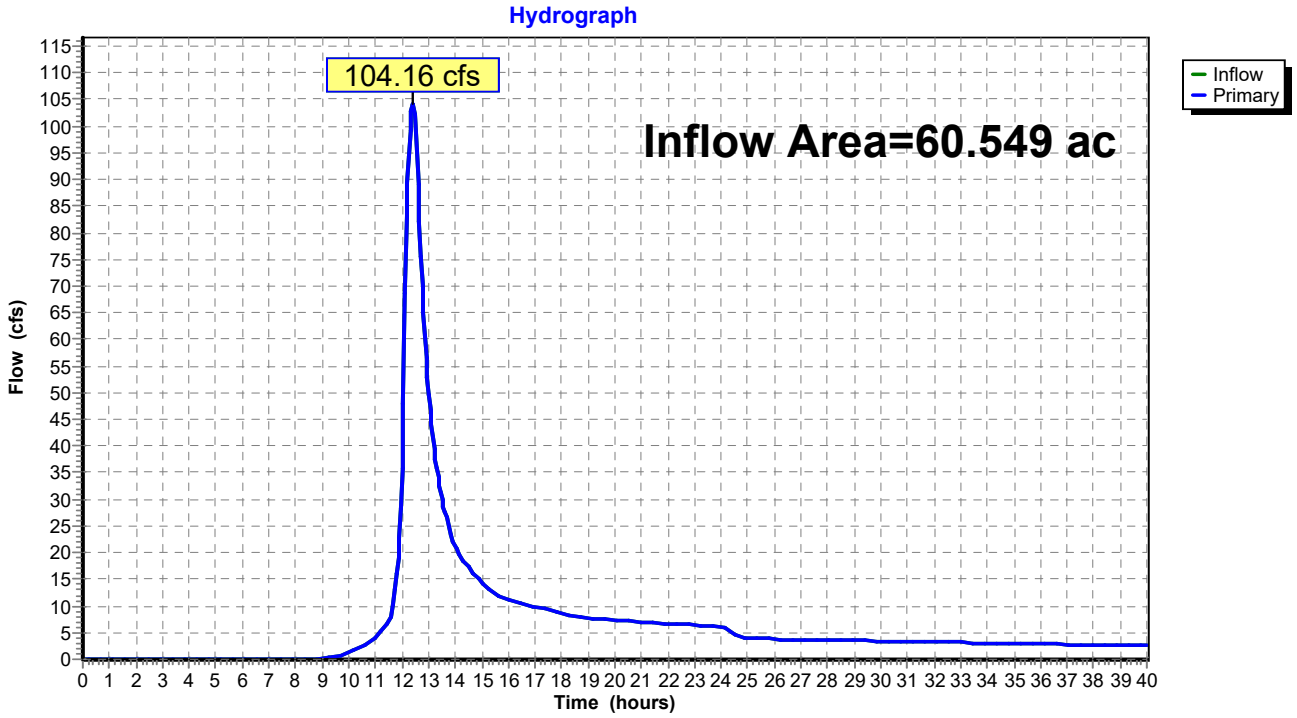
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 4.41" for Current 100 yr event
Inflow = 104.16 cfs @ 12.41 hrs, Volume= 22.232 af
Primary = 104.16 cfs @ 12.41 hrs, Volume= 22.232 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.01	0.00	0.01
6.05	0.00	0.00	0.00	8.65	0.01	0.00	0.01
6.10	0.00	0.00	0.00	8.70	0.02	0.00	0.02
6.15	0.00	0.00	0.00	8.75	0.03	0.00	0.03
6.20	0.00	0.00	0.00	8.80	0.04	0.00	0.04
6.25	0.00	0.00	0.00	8.85	0.05	0.00	0.05
6.30	0.00	0.00	0.00	8.90	0.07	0.00	0.07
6.35	0.00	0.00	0.00	8.95	0.09	0.00	0.09
6.40	0.00	0.00	0.00	9.00	0.11	0.00	0.11
6.45	0.00	0.00	0.00	9.05	0.13	0.00	0.13
6.50	0.00	0.00	0.00	9.10	0.15	0.00	0.15
6.55	0.00	0.00	0.00	9.15	0.17	0.00	0.17
6.60	0.00	0.00	0.00	9.20	0.20	0.00	0.20
6.65	0.00	0.00	0.00	9.25	0.23	0.00	0.23
6.70	0.00	0.00	0.00	9.30	0.27	0.00	0.27
6.75	0.00	0.00	0.00	9.35	0.31	0.00	0.31
6.80	0.00	0.00	0.00	9.40	0.35	0.00	0.35
6.85	0.00	0.00	0.00	9.45	0.40	0.00	0.40
6.90	0.00	0.00	0.00	9.50	0.46	0.00	0.46
6.95	0.00	0.00	0.00	9.55	0.52	0.00	0.52
7.00	0.00	0.00	0.00	9.60	0.58	0.00	0.58
7.05	0.00	0.00	0.00	9.65	0.65	0.00	0.65
7.10	0.00	0.00	0.00	9.70	0.72	0.00	0.72
7.15	0.00	0.00	0.00	9.75	0.80	0.00	0.80
7.20	0.00	0.00	0.00	9.80	0.88	0.00	0.88
7.25	0.00	0.00	0.00	9.85	0.97	0.00	0.97
7.30	0.00	0.00	0.00	9.90	1.06	0.00	1.06
7.35	0.00	0.00	0.00	9.95	1.15	0.00	1.15
7.40	0.00	0.00	0.00	10.00	1.25	0.00	1.25
7.45	0.00	0.00	0.00	10.05	1.35	0.00	1.35
7.50	0.00	0.00	0.00	10.10	1.45	0.00	1.45
7.55	0.00	0.00	0.00	10.15	1.55	0.00	1.55
7.60	0.00	0.00	0.00	10.20	1.66	0.00	1.66
7.65	0.00	0.00	0.00	10.25	1.77	0.00	1.77
7.70	0.00	0.00	0.00	10.30	1.88	0.00	1.88
7.75	0.00	0.00	0.00	10.35	1.99	0.00	1.99

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	2.11	0.00	2.11	13.00	49.70	0.00	49.70
10.45	2.22	0.00	2.22	13.05	46.72	0.00	46.72
10.50	2.34	0.00	2.34	13.10	44.04	0.00	44.04
10.55	2.46	0.00	2.46	13.15	41.67	0.00	41.67
10.60	2.58	0.00	2.58	13.20	39.54	0.00	39.54
10.65	2.71	0.00	2.71	13.25	37.60	0.00	37.60
10.70	2.85	0.00	2.85	13.30	35.82	0.00	35.82
10.75	3.00	0.00	3.00	13.35	34.18	0.00	34.18
10.80	3.16	0.00	3.16	13.40	32.65	0.00	32.65
10.85	3.33	0.00	3.33	13.45	31.25	0.00	31.25
10.90	3.52	0.00	3.52	13.50	29.95	0.00	29.95
10.95	3.72	0.00	3.72	13.55	28.73	0.00	28.73
11.00	3.94	0.00	3.94	13.60	27.56	0.00	27.56
11.05	4.18	0.00	4.18	13.65	26.48	0.00	26.48
11.10	4.43	0.00	4.43	13.70	25.48	0.00	25.48
11.15	4.70	0.00	4.70	13.75	24.55	0.00	24.55
11.20	4.99	0.00	4.99	13.80	23.70	0.00	23.70
11.25	5.31	0.00	5.31	13.85	22.93	0.00	22.93
11.30	5.66	0.00	5.66	13.90	22.23	0.00	22.23
11.35	6.04	0.00	6.04	13.95	21.60	0.00	21.60
11.40	6.46	0.00	6.46	14.00	21.04	0.00	21.04
11.45	6.91	0.00	6.91	14.05	20.53	0.00	20.53
11.50	7.40	0.00	7.40	14.10	20.06	0.00	20.06
11.55	7.93	0.00	7.93	14.15	19.63	0.00	19.63
11.60	8.52	0.00	8.52	14.20	19.24	0.00	19.24
11.65	9.52	0.00	9.52	14.25	18.88	0.00	18.88
11.70	11.13	0.00	11.13	14.30	18.53	0.00	18.53
11.75	13.30	0.00	13.30	14.35	18.19	0.00	18.19
11.80	15.94	0.00	15.94	14.40	17.87	0.00	17.87
11.85	19.09	0.00	19.09	14.45	17.56	0.00	17.56
11.90	22.84	0.00	22.84	14.50	17.26	0.00	17.26
11.95	28.24	0.00	28.24	14.55	16.97	0.00	16.97
12.00	35.73	0.00	35.73	14.60	16.68	0.00	16.68
12.05	47.86	0.00	47.86	14.65	16.39	0.00	16.39
12.10	68.72	0.00	68.72	14.70	16.12	0.00	16.12
12.15	82.99	0.00	82.99	14.75	15.84	0.00	15.84
12.20	89.27	0.00	89.27	14.80	15.57	0.00	15.57
12.25	94.29	0.00	94.29	14.85	15.30	0.00	15.30
12.30	99.11	0.00	99.11	14.90	15.03	0.00	15.03
12.35	102.82	0.00	102.82	14.95	14.76	0.00	14.76
12.40	**104.13**	0.00	**104.13**	15.00	14.49	0.00	14.49
12.45	103.44	0.00	103.44	15.05	14.22	0.00	14.22
12.50	100.71	0.00	100.71	15.10	13.96	0.00	13.96
12.55	95.77	0.00	95.77	15.15	13.71	0.00	13.71
12.60	89.16	0.00	89.16	15.20	13.47	0.00	13.47
12.65	82.14	0.00	82.14	15.25	13.25	0.00	13.25
12.70	75.64	0.00	75.64	15.30	13.03	0.00	13.03
12.75	70.06	0.00	70.06	15.35	12.82	0.00	12.82
12.80	65.12	0.00	65.12	15.40	12.63	0.00	12.63
12.85	60.68	0.00	60.68	15.45	12.45	0.00	12.45
12.90	56.63	0.00	56.63	15.50	12.28	0.00	12.28
12.95	52.97	0.00	52.97	15.55	12.13	0.00	12.13

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	11.99	0.00	11.99	18.20	8.36	0.00	8.36
15.65	11.86	0.00	11.86	18.25	8.30	0.00	8.30
15.70	11.74	0.00	11.74	18.30	8.25	0.00	8.25
15.75	11.62	0.00	11.62	18.35	8.19	0.00	8.19
15.80	11.51	0.00	11.51	18.40	8.14	0.00	8.14
15.85	11.41	0.00	11.41	18.45	8.09	0.00	8.09
15.90	11.31	0.00	11.31	18.50	8.05	0.00	8.05
15.95	11.21	0.00	11.21	18.55	8.01	0.00	8.01
16.00	11.12	0.00	11.12	18.60	7.97	0.00	7.97
16.05	11.03	0.00	11.03	18.65	7.93	0.00	7.93
16.10	10.96	0.00	10.96	18.70	7.90	0.00	7.90
16.15	10.90	0.00	10.90	18.75	7.87	0.00	7.87
16.20	10.83	0.00	10.83	18.80	7.84	0.00	7.84
16.25	10.78	0.00	10.78	18.85	7.81	0.00	7.81
16.30	10.72	0.00	10.72	18.90	7.78	0.00	7.78
16.35	10.66	0.00	10.66	18.95	7.75	0.00	7.75
16.40	10.60	0.00	10.60	19.00	7.73	0.00	7.73
16.45	10.54	0.00	10.54	19.05	7.70	0.00	7.70
16.50	10.48	0.00	10.48	19.10	7.68	0.00	7.68
16.55	10.42	0.00	10.42	19.15	7.66	0.00	7.66
16.60	10.36	0.00	10.36	19.20	7.63	0.00	7.63
16.65	10.30	0.00	10.30	19.25	7.61	0.00	7.61
16.70	10.24	0.00	10.24	19.30	7.59	0.00	7.59
16.75	10.18	0.00	10.18	19.35	7.57	0.00	7.57
16.80	10.12	0.00	10.12	19.40	7.54	0.00	7.54
16.85	10.07	0.00	10.07	19.45	7.52	0.00	7.52
16.90	10.01	0.00	10.01	19.50	7.50	0.00	7.50
16.95	9.95	0.00	9.95	19.55	7.48	0.00	7.48
17.00	9.90	0.00	9.90	19.60	7.46	0.00	7.46
17.05	9.84	0.00	9.84	19.65	7.44	0.00	7.44
17.10	9.78	0.00	9.78	19.70	7.42	0.00	7.42
17.15	9.72	0.00	9.72	19.75	7.40	0.00	7.40
17.20	9.65	0.00	9.65	19.80	7.38	0.00	7.38
17.25	9.59	0.00	9.59	19.85	7.36	0.00	7.36
17.30	9.53	0.00	9.53	19.90	7.35	0.00	7.35
17.35	9.47	0.00	9.47	19.95	7.33	0.00	7.33
17.40	9.41	0.00	9.41	20.00	7.31	0.00	7.31
17.45	9.34	0.00	9.34	20.05	7.30	0.00	7.30
17.50	9.28	0.00	9.28	20.10	7.28	0.00	7.28
17.55	9.22	0.00	9.22	20.15	7.26	0.00	7.26
17.60	9.16	0.00	9.16	20.20	7.25	0.00	7.25
17.65	9.09	0.00	9.09	20.25	7.23	0.00	7.23
17.70	9.03	0.00	9.03	20.30	7.21	0.00	7.21
17.75	8.96	0.00	8.96	20.35	7.20	0.00	7.20
17.80	8.90	0.00	8.90	20.40	7.18	0.00	7.18
17.85	8.83	0.00	8.83	20.45	7.17	0.00	7.17
17.90	8.76	0.00	8.76	20.50	7.15	0.00	7.15
17.95	8.70	0.00	8.70	20.55	7.13	0.00	7.13
18.00	8.63	0.00	8.63	20.60	7.12	0.00	7.12
18.05	8.56	0.00	8.56	20.65	7.10	0.00	7.10
18.10	8.49	0.00	8.49	20.70	7.09	0.00	7.09
18.15	8.43	0.00	8.43	20.75	7.07	0.00	7.07

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	7.06	0.00	7.06	23.40	6.27	0.00	6.27
20.85	7.04	0.00	7.04	23.45	6.25	0.00	6.25
20.90	7.03	0.00	7.03	23.50	6.23	0.00	6.23
20.95	7.01	0.00	7.01	23.55	6.22	0.00	6.22
21.00	6.99	0.00	6.99	23.60	6.20	0.00	6.20
21.05	6.98	0.00	6.98	23.65	6.19	0.00	6.19
21.10	6.96	0.00	6.96	23.70	6.17	0.00	6.17
21.15	6.95	0.00	6.95	23.75	6.15	0.00	6.15
21.20	6.93	0.00	6.93	23.80	6.14	0.00	6.14
21.25	6.92	0.00	6.92	23.85	6.12	0.00	6.12
21.30	6.90	0.00	6.90	23.90	6.11	0.00	6.11
21.35	6.89	0.00	6.89	23.95	6.09	0.00	6.09
21.40	6.87	0.00	6.87	24.00	6.09	0.00	6.09
21.45	6.86	0.00	6.86	24.05	6.07	0.00	6.07
21.50	6.84	0.00	6.84	24.10	6.02	0.00	6.02
21.55	6.83	0.00	6.83	24.15	5.95	0.00	5.95
21.60	6.82	0.00	6.82	24.20	5.87	0.00	5.87
21.65	6.80	0.00	6.80	24.25	5.75	0.00	5.75
21.70	6.79	0.00	6.79	24.30	5.59	0.00	5.59
21.75	6.77	0.00	6.77	24.35	5.39	0.00	5.39
21.80	6.76	0.00	6.76	24.40	5.18	0.00	5.18
21.85	6.74	0.00	6.74	24.45	4.96	0.00	4.96
21.90	6.73	0.00	6.73	24.50	4.76	0.00	4.76
21.95	6.71	0.00	6.71	24.55	4.58	0.00	4.58
22.00	6.70	0.00	6.70	24.60	4.43	0.00	4.43
22.05	6.68	0.00	6.68	24.65	4.31	0.00	4.31
22.10	6.67	0.00	6.67	24.70	4.21	0.00	4.21
22.15	6.65	0.00	6.65	24.75	4.13	0.00	4.13
22.20	6.64	0.00	6.64	24.80	4.07	0.00	4.07
22.25	6.62	0.00	6.62	24.85	4.02	0.00	4.02
22.30	6.61	0.00	6.61	24.90	3.98	0.00	3.98
22.35	6.59	0.00	6.59	24.95	3.95	0.00	3.95
22.40	6.58	0.00	6.58	25.00	3.93	0.00	3.93
22.45	6.56	0.00	6.56	25.05	3.91	0.00	3.91
22.50	6.55	0.00	6.55	25.10	3.89	0.00	3.89
22.55	6.53	0.00	6.53	25.15	3.87	0.00	3.87
22.60	6.52	0.00	6.52	25.20	3.86	0.00	3.86
22.65	6.50	0.00	6.50	25.25	3.85	0.00	3.85
22.70	6.49	0.00	6.49	25.30	3.84	0.00	3.84
22.75	6.47	0.00	6.47	25.35	3.83	0.00	3.83
22.80	6.46	0.00	6.46	25.40	3.83	0.00	3.83
22.85	6.44	0.00	6.44	25.45	3.82	0.00	3.82
22.90	6.42	0.00	6.42	25.50	3.81	0.00	3.81
22.95	6.41	0.00	6.41	25.55	3.81	0.00	3.81
23.00	6.39	0.00	6.39	25.60	3.80	0.00	3.80
23.05	6.38	0.00	6.38	25.65	3.79	0.00	3.79
23.10	6.36	0.00	6.36	25.70	3.79	0.00	3.79
23.15	6.35	0.00	6.35	25.75	3.78	0.00	3.78
23.20	6.33	0.00	6.33	25.80	3.78	0.00	3.78
23.25	6.31	0.00	6.31	25.85	3.78	0.00	3.78
23.30	6.30	0.00	6.30	25.90	3.77	0.00	3.77
23.35	6.28	0.00	6.28	25.95	3.77	0.00	3.77

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	3.76	0.00	3.76	28.60	3.53	0.00	3.53
26.05	3.76	0.00	3.76	28.65	3.53	0.00	3.53
26.10	3.75	0.00	3.75	28.70	3.52	0.00	3.52
26.15	3.75	0.00	3.75	28.75	3.52	0.00	3.52
26.20	3.74	0.00	3.74	28.80	3.51	0.00	3.51
26.25	3.74	0.00	3.74	28.85	3.51	0.00	3.51
26.30	3.74	0.00	3.74	28.90	3.50	0.00	3.50
26.35	3.73	0.00	3.73	28.95	3.50	0.00	3.50
26.40	3.73	0.00	3.73	29.00	3.49	0.00	3.49
26.45	3.72	0.00	3.72	29.05	3.49	0.00	3.49
26.50	3.72	0.00	3.72	29.10	3.48	0.00	3.48
26.55	3.71	0.00	3.71	29.15	3.48	0.00	3.48
26.60	3.71	0.00	3.71	29.20	3.48	0.00	3.48
26.65	3.70	0.00	3.70	29.25	3.47	0.00	3.47
26.70	3.70	0.00	3.70	29.30	3.47	0.00	3.47
26.75	3.70	0.00	3.70	29.35	3.46	0.00	3.46
26.80	3.69	0.00	3.69	29.40	3.46	0.00	3.46
26.85	3.69	0.00	3.69	29.45	3.45	0.00	3.45
26.90	3.68	0.00	3.68	29.50	3.45	0.00	3.45
26.95	3.68	0.00	3.68	29.55	3.44	0.00	3.44
27.00	3.67	0.00	3.67	29.60	3.44	0.00	3.44
27.05	3.67	0.00	3.67	29.65	3.44	0.00	3.44
27.10	3.66	0.00	3.66	29.70	3.43	0.00	3.43
27.15	3.66	0.00	3.66	29.75	3.43	0.00	3.43
27.20	3.66	0.00	3.66	29.80	3.42	0.00	3.42
27.25	3.65	0.00	3.65	29.85	3.42	0.00	3.42
27.30	3.65	0.00	3.65	29.90	3.41	0.00	3.41
27.35	3.64	0.00	3.64	29.95	3.41	0.00	3.41
27.40	3.64	0.00	3.64	30.00	3.40	0.00	3.40
27.45	3.63	0.00	3.63	30.05	3.40	0.00	3.40
27.50	3.63	0.00	3.63	30.10	3.39	0.00	3.39
27.55	3.62	0.00	3.62	30.15	3.39	0.00	3.39
27.60	3.62	0.00	3.62	30.20	3.39	0.00	3.39
27.65	3.62	0.00	3.62	30.25	3.38	0.00	3.38
27.70	3.61	0.00	3.61	30.30	3.38	0.00	3.38
27.75	3.61	0.00	3.61	30.35	3.37	0.00	3.37
27.80	3.60	0.00	3.60	30.40	3.37	0.00	3.37
27.85	3.60	0.00	3.60	30.45	3.36	0.00	3.36
27.90	3.59	0.00	3.59	30.50	3.36	0.00	3.36
27.95	3.59	0.00	3.59	30.55	3.35	0.00	3.35
28.00	3.58	0.00	3.58	30.60	3.35	0.00	3.35
28.05	3.58	0.00	3.58	30.65	3.34	0.00	3.34
28.10	3.57	0.00	3.57	30.70	3.34	0.00	3.34
28.15	3.57	0.00	3.57	30.75	3.34	0.00	3.34
28.20	3.57	0.00	3.57	30.80	3.33	0.00	3.33
28.25	3.56	0.00	3.56	30.85	3.33	0.00	3.33
28.30	3.56	0.00	3.56	30.90	3.32	0.00	3.32
28.35	3.55	0.00	3.55	30.95	3.32	0.00	3.32
28.40	3.55	0.00	3.55	31.00	3.31	0.00	3.31
28.45	3.54	0.00	3.54	31.05	3.31	0.00	3.31
28.50	3.54	0.00	3.54	31.10	3.30	0.00	3.30
28.55	3.53	0.00	3.53	31.15	3.30	0.00	3.30

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	3.29	0.00	3.29	33.80	3.06	0.00	3.06
31.25	3.29	0.00	3.29	33.85	3.05	0.00	3.05
31.30	3.29	0.00	3.29	33.90	3.05	0.00	3.05
31.35	3.28	0.00	3.28	33.95	3.04	0.00	3.04
31.40	3.28	0.00	3.28	34.00	3.04	0.00	3.04
31.45	3.27	0.00	3.27	34.05	3.03	0.00	3.03
31.50	3.27	0.00	3.27	34.10	3.03	0.00	3.03
31.55	3.26	0.00	3.26	34.15	3.03	0.00	3.03
31.60	3.26	0.00	3.26	34.20	3.02	0.00	3.02
31.65	3.25	0.00	3.25	34.25	3.02	0.00	3.02
31.70	3.25	0.00	3.25	34.30	3.01	0.00	3.01
31.75	3.24	0.00	3.24	34.35	3.01	0.00	3.01
31.80	3.24	0.00	3.24	34.40	3.00	0.00	3.00
31.85	3.24	0.00	3.24	34.45	3.00	0.00	3.00
31.90	3.23	0.00	3.23	34.50	2.99	0.00	2.99
31.95	3.23	0.00	3.23	34.55	2.99	0.00	2.99
32.00	3.22	0.00	3.22	34.60	2.98	0.00	2.98
32.05	3.22	0.00	3.22	34.65	2.98	0.00	2.98
32.10	3.21	0.00	3.21	34.70	2.97	0.00	2.97
32.15	3.21	0.00	3.21	34.75	2.97	0.00	2.97
32.20	3.20	0.00	3.20	34.80	2.97	0.00	2.97
32.25	3.20	0.00	3.20	34.85	2.96	0.00	2.96
32.30	3.19	0.00	3.19	34.90	2.96	0.00	2.96
32.35	3.19	0.00	3.19	34.95	2.95	0.00	2.95
32.40	3.19	0.00	3.19	35.00	2.95	0.00	2.95
32.45	3.18	0.00	3.18	35.05	2.94	0.00	2.94
32.50	3.18	0.00	3.18	35.10	2.94	0.00	2.94
32.55	3.17	0.00	3.17	35.15	2.93	0.00	2.93
32.60	3.17	0.00	3.17	35.20	2.93	0.00	2.93
32.65	3.16	0.00	3.16	35.25	2.92	0.00	2.92
32.70	3.16	0.00	3.16	35.30	2.92	0.00	2.92
32.75	3.15	0.00	3.15	35.35	2.91	0.00	2.91
32.80	3.15	0.00	3.15	35.40	2.91	0.00	2.91
32.85	3.14	0.00	3.14	35.45	2.91	0.00	2.91
32.90	3.14	0.00	3.14	35.50	2.90	0.00	2.90
32.95	3.14	0.00	3.14	35.55	2.90	0.00	2.90
33.00	3.13	0.00	3.13	35.60	2.89	0.00	2.89
33.05	3.13	0.00	3.13	35.65	2.89	0.00	2.89
33.10	3.12	0.00	3.12	35.70	2.88	0.00	2.88
33.15	3.12	0.00	3.12	35.75	2.88	0.00	2.88
33.20	3.11	0.00	3.11	35.80	2.87	0.00	2.87
33.25	3.11	0.00	3.11	35.85	2.87	0.00	2.87
33.30	3.10	0.00	3.10	35.90	2.86	0.00	2.86
33.35	3.10	0.00	3.10	35.95	2.86	0.00	2.86
33.40	3.09	0.00	3.09	36.00	2.85	0.00	2.85
33.45	3.09	0.00	3.09	36.05	2.85	0.00	2.85
33.50	3.08	0.00	3.08	36.10	2.85	0.00	2.85
33.55	3.08	0.00	3.08	36.15	2.84	0.00	2.84
33.60	3.08	0.00	3.08	36.20	2.84	0.00	2.84
33.65	3.07	0.00	3.07	36.25	2.83	0.00	2.83
33.70	3.07	0.00	3.07	36.30	2.83	0.00	2.83
33.75	3.06	0.00	3.06	36.35	2.82	0.00	2.82

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	2.82	0.00	2.82
36.45	2.81	0.00	2.81
36.50	2.81	0.00	2.81
36.55	2.80	0.00	2.80
36.60	2.80	0.00	2.80
36.65	2.79	0.00	2.79
36.70	2.79	0.00	2.79
36.75	2.79	0.00	2.79
36.80	2.78	0.00	2.78
36.85	2.78	0.00	2.78
36.90	2.77	0.00	2.77
36.95	2.77	0.00	2.77
37.00	2.76	0.00	2.76
37.05	2.76	0.00	2.76
37.10	2.75	0.00	2.75
37.15	2.75	0.00	2.75
37.20	2.74	0.00	2.74
37.25	2.74	0.00	2.74
37.30	2.73	0.00	2.73
37.35	2.73	0.00	2.73
37.40	2.72	0.00	2.72
37.45	2.72	0.00	2.72
37.50	2.72	0.00	2.72
37.55	2.71	0.00	2.71
37.60	2.71	0.00	2.71
37.65	2.70	0.00	2.70
37.70	2.70	0.00	2.70
37.75	2.69	0.00	2.69
37.80	2.69	0.00	2.69
37.85	2.68	0.00	2.68
37.90	2.68	0.00	2.68
37.95	2.67	0.00	2.67
38.00	2.67	0.00	2.67
38.05	2.66	0.00	2.66
38.10	2.66	0.00	2.66
38.15	2.65	0.00	2.65
38.20	2.65	0.00	2.65
38.25	2.65	0.00	2.65
38.30	2.64	0.00	2.64
38.35	2.64	0.00	2.64
38.40	2.63	0.00	2.63
38.45	2.63	0.00	2.63
38.50	2.62	0.00	2.62
38.55	2.62	0.00	2.62
38.60	2.61	0.00	2.61
38.65	2.61	0.00	2.61
38.70	2.60	0.00	2.60
38.75	2.60	0.00	2.60
38.80	2.59	0.00	2.59
38.85	2.59	0.00	2.59
38.90	2.59	0.00	2.59
38.95	2.58	0.00	2.58
39.00	2.58	0.00	2.58
39.05	2.57	0.00	2.57
39.10	2.57	0.00	2.57
39.15	2.56	0.00	2.56
39.20	2.56	0.00	2.56
39.25	2.55	0.00	2.55
39.30	2.55	0.00	2.55
39.35	2.54	0.00	2.54
39.40	2.54	0.00	2.54
39.45	2.53	0.00	2.53
39.50	2.53	0.00	2.53
39.55	2.52	0.00	2.52
39.60	2.52	0.00	2.52
39.65	2.51	0.00	2.51
39.70	2.51	0.00	2.51
39.75	2.51	0.00	2.51
39.80	2.50	0.00	2.50
39.85	2.50	0.00	2.50
39.90	2.49	0.00	2.49
39.95	2.49	0.00	2.49
40.00	2.48	0.00	2.48

Summary for Subcatchment 1I: PDA-1 (impervious)

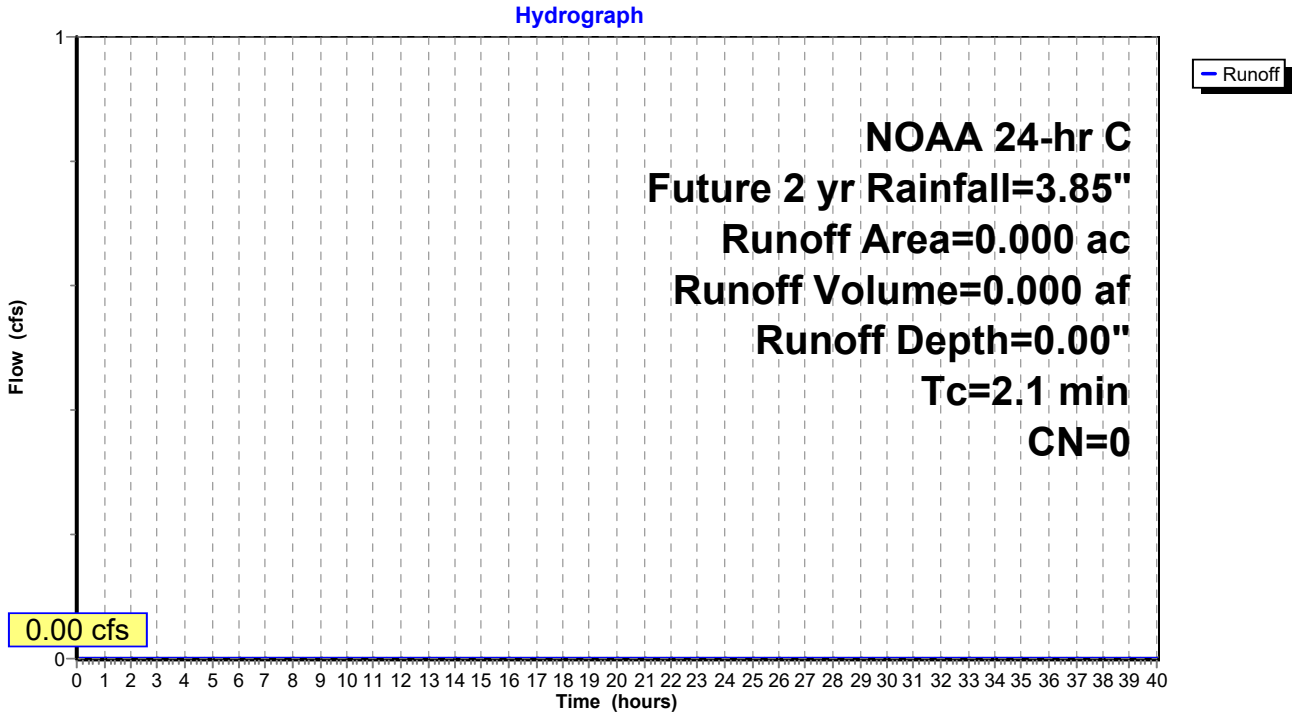
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.00	0.00
10.45	0.78	0.00	0.00	13.05	2.94	0.00	0.00
10.50	0.79	0.00	0.00	13.10	2.96	0.00	0.00
10.55	0.80	0.00	0.00	13.15	2.97	0.00	0.00
10.60	0.82	0.00	0.00	13.20	2.98	0.00	0.00
10.65	0.83	0.00	0.00	13.25	3.00	0.00	0.00
10.70	0.84	0.00	0.00	13.30	3.01	0.00	0.00
10.75	0.85	0.00	0.00	13.35	3.02	0.00	0.00
10.80	0.87	0.00	0.00	13.40	3.03	0.00	0.00
10.85	0.88	0.00	0.00	13.45	3.05	0.00	0.00
10.90	0.89	0.00	0.00	13.50	3.06	0.00	0.00
10.95	0.91	0.00	0.00	13.55	3.07	0.00	0.00
11.00	0.92	0.00	0.00	13.60	3.08	0.00	0.00
11.05	0.94	0.00	0.00	13.65	3.09	0.00	0.00
11.10	0.96	0.00	0.00	13.70	3.09	0.00	0.00
11.15	0.98	0.00	0.00	13.75	3.10	0.00	0.00
11.20	1.00	0.00	0.00	13.80	3.11	0.00	0.00
11.25	1.02	0.00	0.00	13.85	3.12	0.00	0.00
11.30	1.04	0.00	0.00	13.90	3.13	0.00	0.00
11.35	1.06	0.00	0.00	13.95	3.14	0.00	0.00
11.40	1.09	0.00	0.00	14.00	3.15	0.00	0.00
11.45	1.11	0.00	0.00	14.05	3.16	0.00	0.00
11.50	1.14	0.00	0.00	14.10	3.16	0.00	0.00
11.55	1.18	0.00	0.00	14.15	3.17	0.00	0.00
11.60	1.22	0.00	0.00	14.20	3.18	0.00	0.00
11.65	1.26	0.00	0.00	14.25	3.19	0.00	0.00
11.70	1.30	0.00	0.00	14.30	3.20	0.00	0.00
11.75	1.35	0.00	0.00	14.35	3.20	0.00	0.00
11.80	1.41	0.00	0.00	14.40	3.21	0.00	0.00
11.85	1.49	0.00	0.00	14.45	3.22	0.00	0.00
11.90	1.57	0.00	0.00	14.50	3.23	0.00	0.00
11.95	1.70	0.00	0.00	14.55	3.23	0.00	0.00
12.00	1.83	0.00	0.00	14.60	3.24	0.00	0.00
12.05	2.06	0.00	0.00	14.65	3.25	0.00	0.00
12.10	2.28	0.00	0.00	14.70	3.25	0.00	0.00
12.15	2.36	0.00	0.00	14.75	3.26	0.00	0.00
12.20	2.44	0.00	0.00	14.80	3.26	0.00	0.00
12.25	2.50	0.00	0.00	14.85	3.27	0.00	0.00
12.30	2.55	0.00	0.00	14.90	3.28	0.00	0.00
12.35	2.59	0.00	0.00	14.95	3.28	0.00	0.00
12.40	2.63	0.00	0.00	15.00	3.29	0.00	0.00
12.45	2.67	0.00	0.00	15.05	3.29	0.00	0.00
12.50	2.71	0.00	0.00	15.10	3.30	0.00	0.00
12.55	2.74	0.00	0.00	15.15	3.30	0.00	0.00
12.60	2.76	0.00	0.00	15.20	3.31	0.00	0.00
12.65	2.79	0.00	0.00	15.25	3.31	0.00	0.00
12.70	2.81	0.00	0.00	15.30	3.32	0.00	0.00
12.75	2.83	0.00	0.00	15.35	3.32	0.00	0.00
12.80	2.85	0.00	0.00	15.40	3.33	0.00	0.00
12.85	2.87	0.00	0.00	15.45	3.34	0.00	0.00
12.90	2.89	0.00	0.00	15.50	3.34	0.00	0.00
12.95	2.91	0.00	0.00	15.55	3.35	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.00	0.00	18.20	3.56	0.00	0.00
15.65	3.36	0.00	0.00	18.25	3.56	0.00	0.00
15.70	3.36	0.00	0.00	18.30	3.56	0.00	0.00
15.75	3.36	0.00	0.00	18.35	3.57	0.00	0.00
15.80	3.37	0.00	0.00	18.40	3.57	0.00	0.00
15.85	3.37	0.00	0.00	18.45	3.57	0.00	0.00
15.90	3.38	0.00	0.00	18.50	3.58	0.00	0.00
15.95	3.38	0.00	0.00	18.55	3.58	0.00	0.00
16.00	3.39	0.00	0.00	18.60	3.58	0.00	0.00
16.05	3.39	0.00	0.00	18.65	3.58	0.00	0.00
16.10	3.40	0.00	0.00	18.70	3.59	0.00	0.00
16.15	3.40	0.00	0.00	18.75	3.59	0.00	0.00
16.20	3.41	0.00	0.00	18.80	3.59	0.00	0.00
16.25	3.41	0.00	0.00	18.85	3.60	0.00	0.00
16.30	3.42	0.00	0.00	18.90	3.60	0.00	0.00
16.35	3.42	0.00	0.00	18.95	3.60	0.00	0.00
16.40	3.42	0.00	0.00	19.00	3.61	0.00	0.00
16.45	3.43	0.00	0.00	19.05	3.61	0.00	0.00
16.50	3.43	0.00	0.00	19.10	3.61	0.00	0.00
16.55	3.44	0.00	0.00	19.15	3.61	0.00	0.00
16.60	3.44	0.00	0.00	19.20	3.62	0.00	0.00
16.65	3.45	0.00	0.00	19.25	3.62	0.00	0.00
16.70	3.45	0.00	0.00	19.30	3.62	0.00	0.00
16.75	3.45	0.00	0.00	19.35	3.63	0.00	0.00
16.80	3.46	0.00	0.00	19.40	3.63	0.00	0.00
16.85	3.46	0.00	0.00	19.45	3.63	0.00	0.00
16.90	3.47	0.00	0.00	19.50	3.63	0.00	0.00
16.95	3.47	0.00	0.00	19.55	3.64	0.00	0.00
17.00	3.47	0.00	0.00	19.60	3.64	0.00	0.00
17.05	3.48	0.00	0.00	19.65	3.64	0.00	0.00
17.10	3.48	0.00	0.00	19.70	3.65	0.00	0.00
17.15	3.49	0.00	0.00	19.75	3.65	0.00	0.00
17.20	3.49	0.00	0.00	19.80	3.65	0.00	0.00
17.25	3.49	0.00	0.00	19.85	3.65	0.00	0.00
17.30	3.50	0.00	0.00	19.90	3.66	0.00	0.00
17.35	3.50	0.00	0.00	19.95	3.66	0.00	0.00
17.40	3.50	0.00	0.00	20.00	3.66	0.00	0.00
17.45	3.51	0.00	0.00	20.05	3.66	0.00	0.00
17.50	3.51	0.00	0.00	20.10	3.67	0.00	0.00
17.55	3.52	0.00	0.00	20.15	3.67	0.00	0.00
17.60	3.52	0.00	0.00	20.20	3.67	0.00	0.00
17.65	3.52	0.00	0.00	20.25	3.68	0.00	0.00
17.70	3.53	0.00	0.00	20.30	3.68	0.00	0.00
17.75	3.53	0.00	0.00	20.35	3.68	0.00	0.00
17.80	3.53	0.00	0.00	20.40	3.68	0.00	0.00
17.85	3.54	0.00	0.00	20.45	3.69	0.00	0.00
17.90	3.54	0.00	0.00	20.50	3.69	0.00	0.00
17.95	3.54	0.00	0.00	20.55	3.69	0.00	0.00
18.00	3.54	0.00	0.00	20.60	3.69	0.00	0.00
18.05	3.55	0.00	0.00	20.65	3.70	0.00	0.00
18.10	3.55	0.00	0.00	20.70	3.70	0.00	0.00
18.15	3.55	0.00	0.00	20.75	3.70	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.00	0.00	23.40	3.82	0.00	0.00
20.85	3.71	0.00	0.00	23.45	3.83	0.00	0.00
20.90	3.71	0.00	0.00	23.50	3.83	0.00	0.00
20.95	3.71	0.00	0.00	23.55	3.83	0.00	0.00
21.00	3.71	0.00	0.00	23.60	3.83	0.00	0.00
21.05	3.72	0.00	0.00	23.65	3.84	0.00	0.00
21.10	3.72	0.00	0.00	23.70	3.84	0.00	0.00
21.15	3.72	0.00	0.00	23.75	3.84	0.00	0.00
21.20	3.72	0.00	0.00	23.80	3.84	0.00	0.00
21.25	3.73	0.00	0.00	23.85	3.84	0.00	0.00
21.30	3.73	0.00	0.00	23.90	3.85	0.00	0.00
21.35	3.73	0.00	0.00	23.95	3.85	0.00	0.00
21.40	3.73	0.00	0.00	24.00	**3.85**	0.00	0.00
21.45	3.74	0.00	0.00	24.05	3.85	0.00	0.00
21.50	3.74	0.00	0.00	24.10	3.85	0.00	0.00
21.55	3.74	0.00	0.00	24.15	3.85	0.00	0.00
21.60	3.74	0.00	0.00	24.20	3.85	0.00	0.00
21.65	3.75	0.00	0.00	24.25	3.85	0.00	0.00
21.70	3.75	0.00	0.00	24.30	3.85	0.00	0.00
21.75	3.75	0.00	0.00	24.35	3.85	0.00	0.00
21.80	3.75	0.00	0.00	24.40	3.85	0.00	0.00
21.85	3.76	0.00	0.00	24.45	3.85	0.00	0.00
21.90	3.76	0.00	0.00	24.50	3.85	0.00	0.00
21.95	3.76	0.00	0.00	24.55	3.85	0.00	0.00
22.00	3.76	0.00	0.00	24.60	3.85	0.00	0.00
22.05	3.77	0.00	0.00	24.65	3.85	0.00	0.00
22.10	3.77	0.00	0.00	24.70	3.85	0.00	0.00
22.15	3.77	0.00	0.00	24.75	3.85	0.00	0.00
22.20	3.77	0.00	0.00	24.80	3.85	0.00	0.00
22.25	3.77	0.00	0.00	24.85	3.85	0.00	0.00
22.30	3.78	0.00	0.00	24.90	3.85	0.00	0.00
22.35	3.78	0.00	0.00	24.95	3.85	0.00	0.00
22.40	3.78	0.00	0.00	25.00	3.85	0.00	0.00
22.45	3.78	0.00	0.00	25.05	3.85	0.00	0.00
22.50	3.79	0.00	0.00	25.10	3.85	0.00	0.00
22.55	3.79	0.00	0.00	25.15	3.85	0.00	0.00
22.60	3.79	0.00	0.00	25.20	3.85	0.00	0.00
22.65	3.79	0.00	0.00	25.25	3.85	0.00	0.00
22.70	3.79	0.00	0.00	25.30	3.85	0.00	0.00
22.75	3.80	0.00	0.00	25.35	3.85	0.00	0.00
22.80	3.80	0.00	0.00	25.40	3.85	0.00	0.00
22.85	3.80	0.00	0.00	25.45	3.85	0.00	0.00
22.90	3.80	0.00	0.00	25.50	3.85	0.00	0.00
22.95	3.81	0.00	0.00	25.55	3.85	0.00	0.00
23.00	3.81	0.00	0.00	25.60	3.85	0.00	0.00
23.05	3.81	0.00	0.00	25.65	3.85	0.00	0.00
23.10	3.81	0.00	0.00	25.70	3.85	0.00	0.00
23.15	3.81	0.00	0.00	25.75	3.85	0.00	0.00
23.20	3.82	0.00	0.00	25.80	3.85	0.00	0.00
23.25	3.82	0.00	0.00	25.85	3.85	0.00	0.00
23.30	3.82	0.00	0.00	25.90	3.85	0.00	0.00
23.35	3.82	0.00	0.00	25.95	3.85	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.00	0.00	28.60	3.85	0.00	0.00
26.05	3.85	0.00	0.00	28.65	3.85	0.00	0.00
26.10	3.85	0.00	0.00	28.70	3.85	0.00	0.00
26.15	3.85	0.00	0.00	28.75	3.85	0.00	0.00
26.20	3.85	0.00	0.00	28.80	3.85	0.00	0.00
26.25	3.85	0.00	0.00	28.85	3.85	0.00	0.00
26.30	3.85	0.00	0.00	28.90	3.85	0.00	0.00
26.35	3.85	0.00	0.00	28.95	3.85	0.00	0.00
26.40	3.85	0.00	0.00	29.00	3.85	0.00	0.00
26.45	3.85	0.00	0.00	29.05	3.85	0.00	0.00
26.50	3.85	0.00	0.00	29.10	3.85	0.00	0.00
26.55	3.85	0.00	0.00	29.15	3.85	0.00	0.00
26.60	3.85	0.00	0.00	29.20	3.85	0.00	0.00
26.65	3.85	0.00	0.00	29.25	3.85	0.00	0.00
26.70	3.85	0.00	0.00	29.30	3.85	0.00	0.00
26.75	3.85	0.00	0.00	29.35	3.85	0.00	0.00
26.80	3.85	0.00	0.00	29.40	3.85	0.00	0.00
26.85	3.85	0.00	0.00	29.45	3.85	0.00	0.00
26.90	3.85	0.00	0.00	29.50	3.85	0.00	0.00
26.95	3.85	0.00	0.00	29.55	3.85	0.00	0.00
27.00	3.85	0.00	0.00	29.60	3.85	0.00	0.00
27.05	3.85	0.00	0.00	29.65	3.85	0.00	0.00
27.10	3.85	0.00	0.00	29.70	3.85	0.00	0.00
27.15	3.85	0.00	0.00	29.75	3.85	0.00	0.00
27.20	3.85	0.00	0.00	29.80	3.85	0.00	0.00
27.25	3.85	0.00	0.00	29.85	3.85	0.00	0.00
27.30	3.85	0.00	0.00	29.90	3.85	0.00	0.00
27.35	3.85	0.00	0.00	29.95	3.85	0.00	0.00
27.40	3.85	0.00	0.00	30.00	3.85	0.00	0.00
27.45	3.85	0.00	0.00	30.05	3.85	0.00	0.00
27.50	3.85	0.00	0.00	30.10	3.85	0.00	0.00
27.55	3.85	0.00	0.00	30.15	3.85	0.00	0.00
27.60	3.85	0.00	0.00	30.20	3.85	0.00	0.00
27.65	3.85	0.00	0.00	30.25	3.85	0.00	0.00
27.70	3.85	0.00	0.00	30.30	3.85	0.00	0.00
27.75	3.85	0.00	0.00	30.35	3.85	0.00	0.00
27.80	3.85	0.00	0.00	30.40	3.85	0.00	0.00
27.85	3.85	0.00	0.00	30.45	3.85	0.00	0.00
27.90	3.85	0.00	0.00	30.50	3.85	0.00	0.00
27.95	3.85	0.00	0.00	30.55	3.85	0.00	0.00
28.00	3.85	0.00	0.00	30.60	3.85	0.00	0.00
28.05	3.85	0.00	0.00	30.65	3.85	0.00	0.00
28.10	3.85	0.00	0.00	30.70	3.85	0.00	0.00
28.15	3.85	0.00	0.00	30.75	3.85	0.00	0.00
28.20	3.85	0.00	0.00	30.80	3.85	0.00	0.00
28.25	3.85	0.00	0.00	30.85	3.85	0.00	0.00
28.30	3.85	0.00	0.00	30.90	3.85	0.00	0.00
28.35	3.85	0.00	0.00	30.95	3.85	0.00	0.00
28.40	3.85	0.00	0.00	31.00	3.85	0.00	0.00
28.45	3.85	0.00	0.00	31.05	3.85	0.00	0.00
28.50	3.85	0.00	0.00	31.10	3.85	0.00	0.00
28.55	3.85	0.00	0.00	31.15	3.85	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.00	0.00	33.80	3.85	0.00	0.00
31.25	3.85	0.00	0.00	33.85	3.85	0.00	0.00
31.30	3.85	0.00	0.00	33.90	3.85	0.00	0.00
31.35	3.85	0.00	0.00	33.95	3.85	0.00	0.00
31.40	3.85	0.00	0.00	34.00	3.85	0.00	0.00
31.45	3.85	0.00	0.00	34.05	3.85	0.00	0.00
31.50	3.85	0.00	0.00	34.10	3.85	0.00	0.00
31.55	3.85	0.00	0.00	34.15	3.85	0.00	0.00
31.60	3.85	0.00	0.00	34.20	3.85	0.00	0.00
31.65	3.85	0.00	0.00	34.25	3.85	0.00	0.00
31.70	3.85	0.00	0.00	34.30	3.85	0.00	0.00
31.75	3.85	0.00	0.00	34.35	3.85	0.00	0.00
31.80	3.85	0.00	0.00	34.40	3.85	0.00	0.00
31.85	3.85	0.00	0.00	34.45	3.85	0.00	0.00
31.90	3.85	0.00	0.00	34.50	3.85	0.00	0.00
31.95	3.85	0.00	0.00	34.55	3.85	0.00	0.00
32.00	3.85	0.00	0.00	34.60	3.85	0.00	0.00
32.05	3.85	0.00	0.00	34.65	3.85	0.00	0.00
32.10	3.85	0.00	0.00	34.70	3.85	0.00	0.00
32.15	3.85	0.00	0.00	34.75	3.85	0.00	0.00
32.20	3.85	0.00	0.00	34.80	3.85	0.00	0.00
32.25	3.85	0.00	0.00	34.85	3.85	0.00	0.00
32.30	3.85	0.00	0.00	34.90	3.85	0.00	0.00
32.35	3.85	0.00	0.00	34.95	3.85	0.00	0.00
32.40	3.85	0.00	0.00	35.00	3.85	0.00	0.00
32.45	3.85	0.00	0.00	35.05	3.85	0.00	0.00
32.50	3.85	0.00	0.00	35.10	3.85	0.00	0.00
32.55	3.85	0.00	0.00	35.15	3.85	0.00	0.00
32.60	3.85	0.00	0.00	35.20	3.85	0.00	0.00
32.65	3.85	0.00	0.00	35.25	3.85	0.00	0.00
32.70	3.85	0.00	0.00	35.30	3.85	0.00	0.00
32.75	3.85	0.00	0.00	35.35	3.85	0.00	0.00
32.80	3.85	0.00	0.00	35.40	3.85	0.00	0.00
32.85	3.85	0.00	0.00	35.45	3.85	0.00	0.00
32.90	3.85	0.00	0.00	35.50	3.85	0.00	0.00
32.95	3.85	0.00	0.00	35.55	3.85	0.00	0.00
33.00	3.85	0.00	0.00	35.60	3.85	0.00	0.00
33.05	3.85	0.00	0.00	35.65	3.85	0.00	0.00
33.10	3.85	0.00	0.00	35.70	3.85	0.00	0.00
33.15	3.85	0.00	0.00	35.75	3.85	0.00	0.00
33.20	3.85	0.00	0.00	35.80	3.85	0.00	0.00
33.25	3.85	0.00	0.00	35.85	3.85	0.00	0.00
33.30	3.85	0.00	0.00	35.90	3.85	0.00	0.00
33.35	3.85	0.00	0.00	35.95	3.85	0.00	0.00
33.40	3.85	0.00	0.00	36.00	3.85	0.00	0.00
33.45	3.85	0.00	0.00	36.05	3.85	0.00	0.00
33.50	3.85	0.00	0.00	36.10	3.85	0.00	0.00
33.55	3.85	0.00	0.00	36.15	3.85	0.00	0.00
33.60	3.85	0.00	0.00	36.20	3.85	0.00	0.00
33.65	3.85	0.00	0.00	36.25	3.85	0.00	0.00
33.70	3.85	0.00	0.00	36.30	3.85	0.00	0.00
33.75	3.85	0.00	0.00	36.35	3.85	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.00	0.00
36.45	3.85	0.00	0.00
36.50	3.85	0.00	0.00
36.55	3.85	0.00	0.00
36.60	3.85	0.00	0.00
36.65	3.85	0.00	0.00
36.70	3.85	0.00	0.00
36.75	3.85	0.00	0.00
36.80	3.85	0.00	0.00
36.85	3.85	0.00	0.00
36.90	3.85	0.00	0.00
36.95	3.85	0.00	0.00
37.00	3.85	0.00	0.00
37.05	3.85	0.00	0.00
37.10	3.85	0.00	0.00
37.15	3.85	0.00	0.00
37.20	3.85	0.00	0.00
37.25	3.85	0.00	0.00
37.30	3.85	0.00	0.00
37.35	3.85	0.00	0.00
37.40	3.85	0.00	0.00
37.45	3.85	0.00	0.00
37.50	3.85	0.00	0.00
37.55	3.85	0.00	0.00
37.60	3.85	0.00	0.00
37.65	3.85	0.00	0.00
37.70	3.85	0.00	0.00
37.75	3.85	0.00	0.00
37.80	3.85	0.00	0.00
37.85	3.85	0.00	0.00
37.90	3.85	0.00	0.00
37.95	3.85	0.00	0.00
38.00	3.85	0.00	0.00
38.05	3.85	0.00	0.00
38.10	3.85	0.00	0.00
38.15	3.85	0.00	0.00
38.20	3.85	0.00	0.00
38.25	3.85	0.00	0.00
38.30	3.85	0.00	0.00
38.35	3.85	0.00	0.00
38.40	3.85	0.00	0.00
38.45	3.85	0.00	0.00
38.50	3.85	0.00	0.00
38.55	3.85	0.00	0.00
38.60	3.85	0.00	0.00
38.65	3.85	0.00	0.00
38.70	3.85	0.00	0.00
38.75	3.85	0.00	0.00
38.80	3.85	0.00	0.00
38.85	3.85	0.00	0.00
38.90	3.85	0.00	0.00
38.95	3.85	0.00	0.00
39.00	3.85	0.00	0.00
39.05	3.85	0.00	0.00
39.10	3.85	0.00	0.00
39.15	3.85	0.00	0.00
39.20	3.85	0.00	0.00
39.25	3.85	0.00	0.00
39.30	3.85	0.00	0.00
39.35	3.85	0.00	0.00
39.40	3.85	0.00	0.00
39.45	3.85	0.00	0.00
39.50	3.85	0.00	0.00
39.55	3.85	0.00	0.00
39.60	3.85	0.00	0.00
39.65	3.85	0.00	0.00
39.70	3.85	0.00	0.00
39.75	3.85	0.00	0.00
39.80	3.85	0.00	0.00
39.85	3.85	0.00	0.00
39.90	3.85	0.00	0.00
39.95	3.85	0.00	0.00
40.00	3.85	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

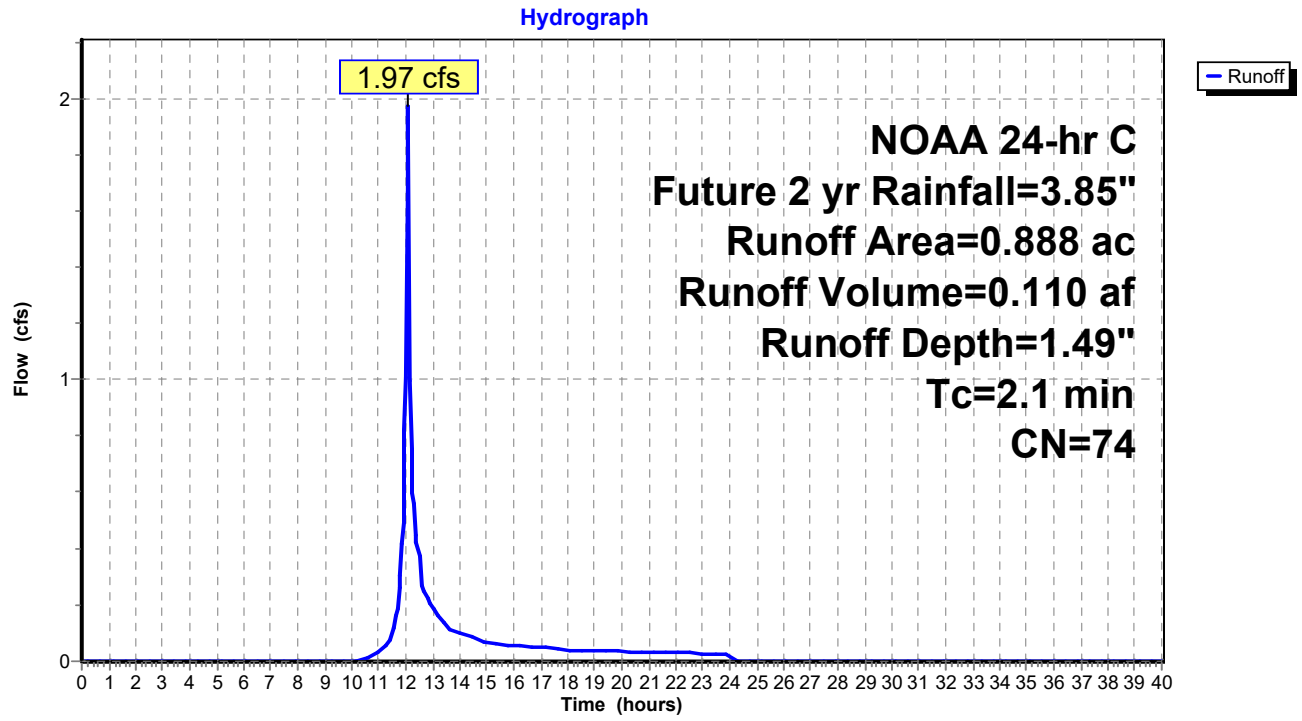
Runoff = 1.97 cfs @ 12.09 hrs, Volume= 0.110 af, Depth= 1.49"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.19
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.18
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.17
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.16
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.16
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.15
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.15
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.14
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.14
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.13
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.12
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.11
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.11
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.11
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.11
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.11
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.11
11.25	1.02	0.03	0.06	13.85	3.12	0.99	0.10
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.10
11.35	1.06	0.03	0.07	13.95	3.14	1.00	0.10
11.40	1.09	0.04	0.08	14.00	3.15	1.00	0.10
11.45	1.11	0.04	0.09	14.05	3.16	1.01	0.10
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.10
11.55	1.18	0.06	0.14	14.15	3.17	1.02	0.09
11.60	1.22	0.07	0.16	14.20	3.18	1.02	0.09
11.65	1.26	0.08	0.18	14.25	3.19	1.03	0.09
11.70	1.30	0.09	0.19	14.30	3.20	1.03	0.09
11.75	1.35	0.10	0.26	14.35	3.20	1.04	0.09
11.80	1.41	0.12	0.30	14.40	3.21	1.04	0.09
11.85	1.49	0.14	0.42	14.45	3.22	1.05	0.09
11.90	1.57	0.17	0.49	14.50	3.23	1.05	0.08
11.95	1.70	0.22	0.82	14.55	3.23	1.06	0.08
12.00	1.83	0.28	1.01	14.60	3.24	1.06	0.08
12.05	2.06	0.38	1.67	14.65	3.25	1.07	0.08
12.10	2.28	0.49	**1.92**	14.70	3.25	1.07	0.08
12.15	2.36	0.53	0.99	14.75	3.26	1.08	0.08
12.20	2.44	0.57	0.76	14.80	3.26	1.08	0.07
12.25	2.50	0.61	0.60	14.85	3.27	1.08	0.07
12.30	2.55	0.64	0.56	14.90	3.28	1.09	0.07
12.35	2.59	0.66	0.45	14.95	3.28	1.09	0.07
12.40	2.63	0.69	0.42	15.00	3.29	1.10	0.07
12.45	2.67	0.71	0.41	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.41	15.10	3.30	1.10	0.06
12.55	2.74	0.75	0.30	15.15	3.30	1.11	0.06
12.60	2.76	0.76	0.27	15.20	3.31	1.11	0.06
12.65	2.79	0.78	0.26	15.25	3.31	1.11	0.06
12.70	2.81	0.79	0.25	15.30	3.32	1.12	0.06
12.75	2.83	0.80	0.24	15.35	3.32	1.12	0.06
12.80	2.85	0.82	0.23	15.40	3.33	1.12	0.06
12.85	2.87	0.83	0.22	15.45	3.34	1.13	0.06
12.90	2.89	0.84	0.21	15.50	3.34	1.13	0.06
12.95	2.91	0.85	0.20	15.55	3.35	1.13	0.06

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.06	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.05	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.05	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.05	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.05	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.05	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.05	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.05	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.05	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.05	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.05	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.04	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.04	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.04	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.04	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

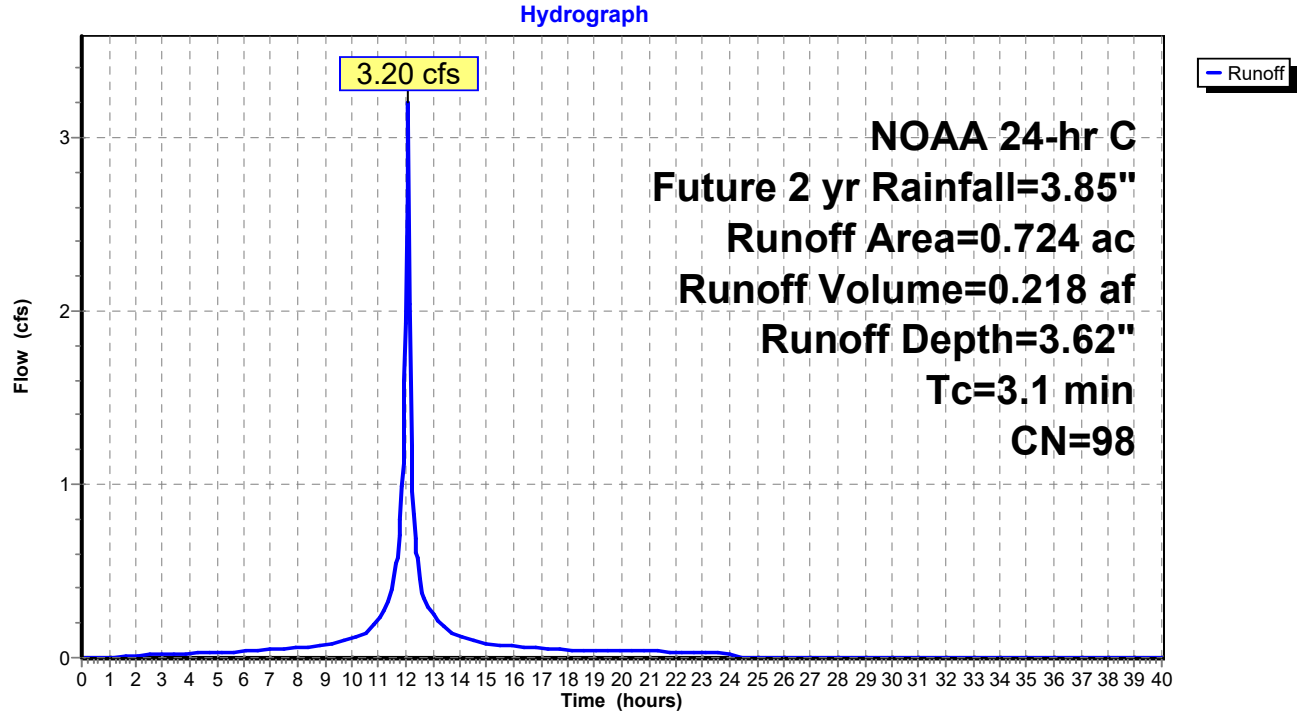
Runoff = 3.20 cfs @ 12.09 hrs, Volume= 0.218 af, Depth= 3.62"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.07
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.07
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.08
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.08
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.08
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.09
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.09
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.09
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.09
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.10
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.10
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.10
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.10
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.10
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.11
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.11
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.11
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.11
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.11
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.12
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.12
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.12
7.60	0.43	0.25	0.06	10.20	0.74	0.54	0.12
7.65	0.43	0.25	0.06	10.25	0.75	0.55	0.13
7.70	0.43	0.26	0.06	10.30	0.76	0.56	0.13
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.13

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.13	13.00	2.93	2.69	0.25
10.45	0.78	0.58	0.13	13.05	2.94	2.71	0.23
10.50	0.79	0.59	0.14	13.10	2.96	2.73	0.22
10.55	0.80	0.60	0.14	13.15	2.97	2.74	0.21
10.60	0.82	0.61	0.15	13.20	2.98	2.75	0.21
10.65	0.83	0.62	0.16	13.25	3.00	2.77	0.20
10.70	0.84	0.64	0.17	13.30	3.01	2.78	0.19
10.75	0.85	0.65	0.18	13.35	3.02	2.79	0.18
10.80	0.87	0.66	0.18	13.40	3.03	2.80	0.17
10.85	0.88	0.67	0.19	13.45	3.05	2.81	0.16
10.90	0.89	0.69	0.20	13.50	3.06	2.82	0.16
10.95	0.91	0.70	0.21	13.55	3.07	2.83	0.15
11.00	0.92	0.72	0.21	13.60	3.08	2.84	0.14
11.05	0.94	0.73	0.23	13.65	3.09	2.85	0.14
11.10	0.96	0.75	0.24	13.70	3.09	2.86	0.14
11.15	0.98	0.77	0.26	13.75	3.10	2.87	0.13
11.20	1.00	0.79	0.27	13.80	3.11	2.88	0.13
11.25	1.02	0.81	0.29	13.85	3.12	2.89	0.13
11.30	1.04	0.83	0.30	13.90	3.13	2.90	0.13
11.35	1.06	0.85	0.32	13.95	3.14	2.91	0.13
11.40	1.09	0.88	0.33	14.00	3.15	2.92	0.12
11.45	1.11	0.90	0.35	14.05	3.16	2.92	0.12
11.50	1.14	0.92	0.36	14.10	3.16	2.93	0.12
11.55	1.18	0.96	0.47	14.15	3.17	2.94	0.12
11.60	1.22	1.00	0.55	14.20	3.18	2.95	0.12
11.65	1.26	1.04	0.57	14.25	3.19	2.96	0.11
11.70	1.30	1.08	0.59	14.30	3.20	2.96	0.11
11.75	1.35	1.14	0.71	14.35	3.20	2.97	0.11
11.80	1.41	1.19	0.80	14.40	3.21	2.98	0.11
11.85	1.49	1.27	0.99	14.45	3.22	2.99	0.11
11.90	1.57	1.34	1.12	14.50	3.23	2.99	0.10
11.95	1.70	1.48	1.59	14.55	3.23	3.00	0.10
12.00	1.83	1.61	1.92	14.60	3.24	3.01	0.10
12.05	2.06	1.83	2.69	14.65	3.25	3.01	0.10
12.10	2.28	2.06	**3.16**	14.70	3.25	3.02	0.10
12.15	2.36	2.13	2.03	14.75	3.26	3.03	0.09
12.20	2.44	2.21	1.22	14.80	3.26	3.03	0.09
12.25	2.50	2.27	0.96	14.85	3.27	3.04	0.09
12.30	2.55	2.32	0.83	14.90	3.28	3.04	0.09
12.35	2.59	2.36	0.69	14.95	3.28	3.05	0.08
12.40	2.63	2.40	0.60	15.00	3.29	3.05	0.08
12.45	2.67	2.44	0.58	15.05	3.29	3.06	0.08
12.50	2.71	2.48	0.56	15.10	3.30	3.07	0.08
12.55	2.74	2.51	0.45	15.15	3.30	3.07	0.08
12.60	2.76	2.53	0.37	15.20	3.31	3.08	0.08
12.65	2.79	2.56	0.35	15.25	3.31	3.08	0.08
12.70	2.81	2.58	0.34	15.30	3.32	3.09	0.08
12.75	2.83	2.60	0.32	15.35	3.32	3.09	0.08
12.80	2.85	2.62	0.31	15.40	3.33	3.10	0.08
12.85	2.87	2.64	0.29	15.45	3.34	3.10	0.07
12.90	2.89	2.66	0.28	15.50	3.34	3.11	0.07
12.95	2.91	2.68	0.26	15.55	3.35	3.11	0.07

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.07	18.20	3.56	3.32	0.04
15.65	3.36	3.12	0.07	18.25	3.56	3.33	0.04
15.70	3.36	3.13	0.07	18.30	3.56	3.33	0.04
15.75	3.36	3.13	0.07	18.35	3.57	3.33	0.04
15.80	3.37	3.14	0.07	18.40	3.57	3.34	0.04
15.85	3.37	3.14	0.07	18.45	3.57	3.34	0.04
15.90	3.38	3.15	0.07	18.50	3.58	3.34	0.04
15.95	3.38	3.15	0.07	18.55	3.58	3.34	0.04
16.00	3.39	3.16	0.07	18.60	3.58	3.35	0.04
16.05	3.39	3.16	0.07	18.65	3.58	3.35	0.04
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.04
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.04
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.04
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.04
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.04
16.35	3.42	3.19	0.06	18.95	3.60	3.37	0.04
16.40	3.42	3.19	0.06	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.06	19.05	3.61	3.37	0.04
16.50	3.43	3.20	0.06	19.10	3.61	3.38	0.04
16.55	3.44	3.20	0.06	19.15	3.61	3.38	0.04
16.60	3.44	3.21	0.06	19.20	3.62	3.38	0.04
16.65	3.45	3.21	0.06	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.06	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.06	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.05	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.05	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.05	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.05	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.05	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.05	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.04	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.03	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.03	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.03	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.03	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.03	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.03	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.03	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.03	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.03	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.03	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.03	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.03	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

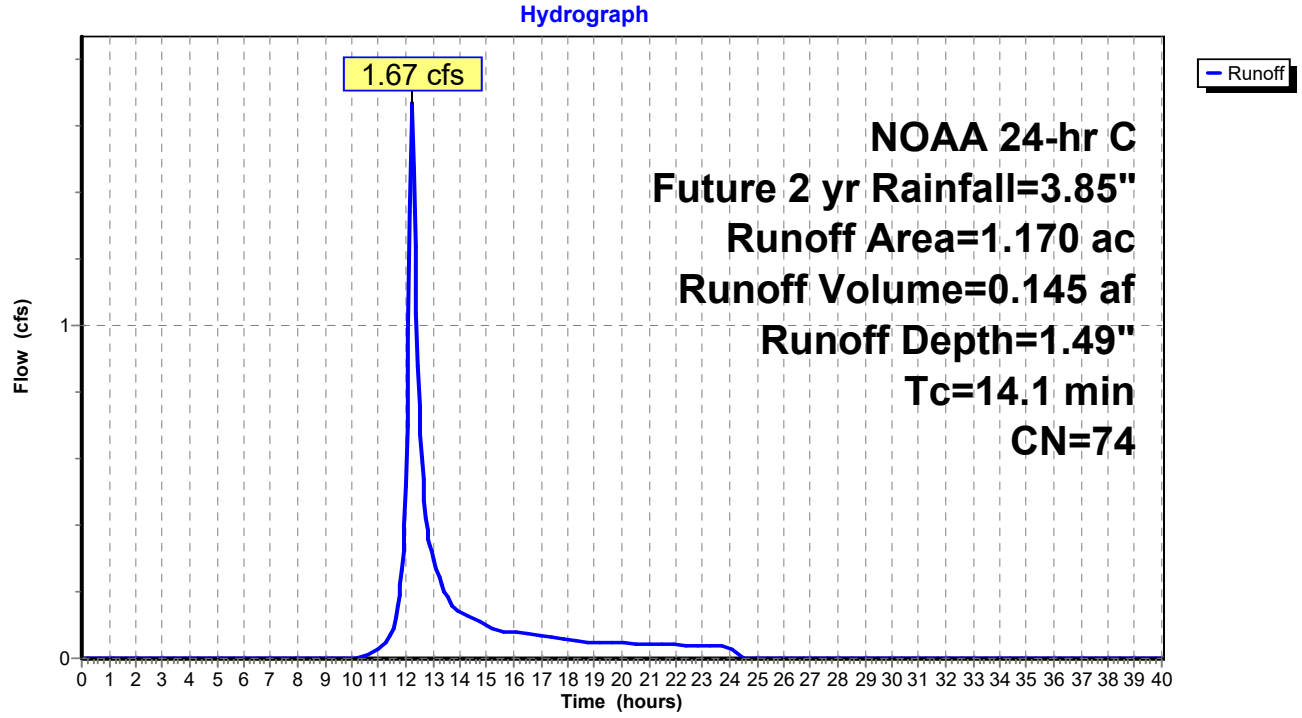
Runoff = 1.67 cfs @ 12.23 hrs, Volume= 0.145 af, Depth= 1.49"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.30
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.29
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.27
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.26
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.25
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.23
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.22
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.22
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.21
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.20
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.19
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.18
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.17
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.17
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.16
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.15
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.15
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.15
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.14
11.35	1.06	0.03	0.06	13.95	3.14	1.00	0.14
11.40	1.09	0.04	0.07	14.00	3.15	1.00	0.14
11.45	1.11	0.04	0.08	14.05	3.16	1.01	0.14
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.13
11.55	1.18	0.06	0.10	14.15	3.17	1.02	0.13
11.60	1.22	0.07	0.11	14.20	3.18	1.02	0.13
11.65	1.26	0.08	0.13	14.25	3.19	1.03	0.13
11.70	1.30	0.09	0.16	14.30	3.20	1.03	0.13
11.75	1.35	0.10	0.19	14.35	3.20	1.04	0.12
11.80	1.41	0.12	0.22	14.40	3.21	1.04	0.12
11.85	1.49	0.14	0.26	14.45	3.22	1.05	0.12
11.90	1.57	0.17	0.32	14.50	3.23	1.05	0.12
11.95	1.70	0.22	0.40	14.55	3.23	1.06	0.12
12.00	1.83	0.28	0.52	14.60	3.24	1.06	0.11
12.05	2.06	0.38	0.70	14.65	3.25	1.07	0.11
12.10	2.28	0.49	0.98	14.70	3.25	1.07	0.11
12.15	2.36	0.53	1.34	14.75	3.26	1.08	0.11
12.20	2.44	0.57	1.63	14.80	3.26	1.08	0.11
12.25	2.50	0.61	**1.66**	14.85	3.27	1.08	0.10
12.30	2.55	0.64	1.48	14.90	3.28	1.09	0.10
12.35	2.59	0.66	1.24	14.95	3.28	1.09	0.10
12.40	2.63	0.69	1.04	15.00	3.29	1.10	0.10
12.45	2.67	0.71	0.88	15.05	3.29	1.10	0.09
12.50	2.71	0.73	0.76	15.10	3.30	1.10	0.09
12.55	2.74	0.75	0.67	15.15	3.30	1.11	0.09
12.60	2.76	0.76	0.61	15.20	3.31	1.11	0.09
12.65	2.79	0.78	0.54	15.25	3.31	1.11	0.09
12.70	2.81	0.79	0.47	15.30	3.32	1.12	0.09
12.75	2.83	0.80	0.42	15.35	3.32	1.12	0.08
12.80	2.85	0.82	0.39	15.40	3.33	1.12	0.08
12.85	2.87	0.83	0.36	15.45	3.34	1.13	0.08
12.90	2.89	0.84	0.34	15.50	3.34	1.13	0.08
12.95	2.91	0.85	0.32	15.55	3.35	1.13	0.08

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.08	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.08	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.08	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.08	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.08	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.08	18.45	3.57	1.29	0.05
15.90	3.38	1.16	0.08	18.50	3.58	1.29	0.05
15.95	3.38	1.16	0.08	18.55	3.58	1.29	0.05
16.00	3.39	1.16	0.08	18.60	3.58	1.30	0.05
16.05	3.39	1.17	0.08	18.65	3.58	1.30	0.05
16.10	3.40	1.17	0.08	18.70	3.59	1.30	0.05
16.15	3.40	1.17	0.08	18.75	3.59	1.30	0.05
16.20	3.41	1.18	0.08	18.80	3.59	1.30	0.05
16.25	3.41	1.18	0.07	18.85	3.60	1.31	0.05
16.30	3.42	1.18	0.07	18.90	3.60	1.31	0.05
16.35	3.42	1.19	0.07	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.07	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.07	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.07	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.07	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.07	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.07	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.07	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.07	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.07	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.07	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.07	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.06	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.06	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.06	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.06	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.06	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.06	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.06	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.06	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.05
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.06	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.06	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.04
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.03
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.03
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.02
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.01
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.01
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

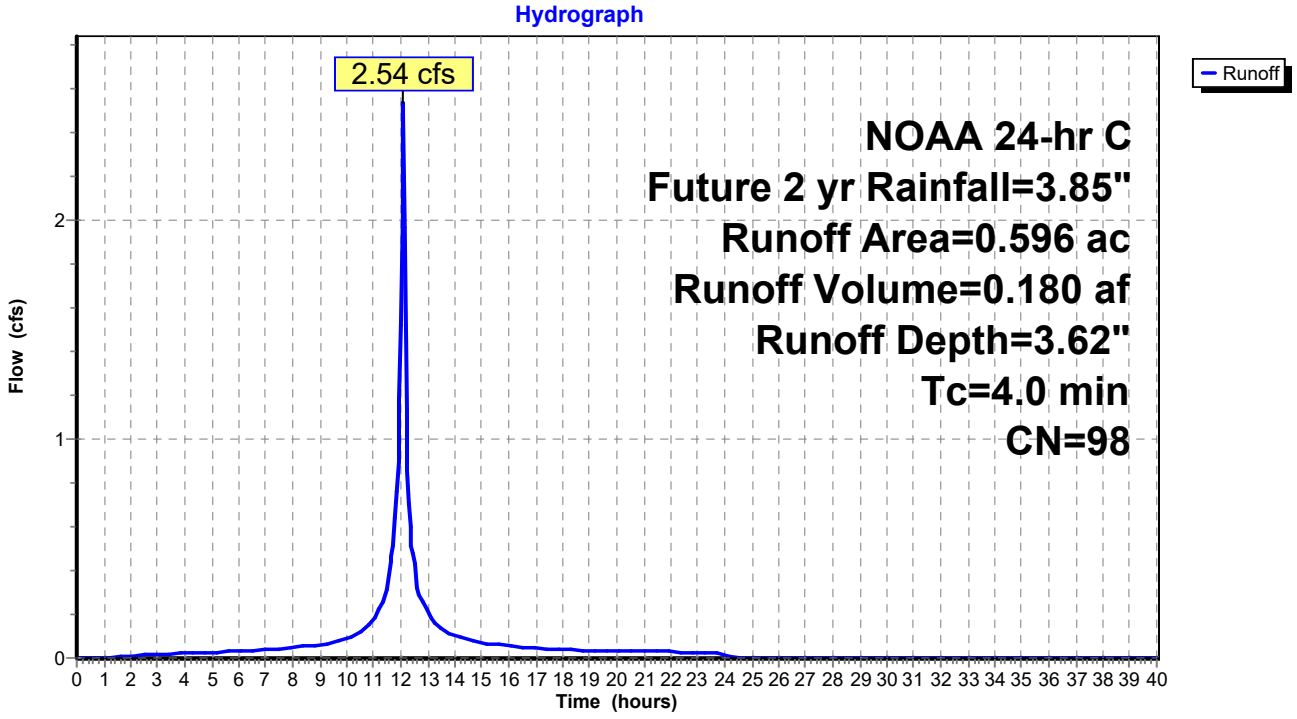
Runoff = 2.54 cfs @ 12.10 hrs, Volume= 0.180 af, Depth= 3.62"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.05
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.05
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.05
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.05
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.05
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.05
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.05
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.05
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.05
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.05
5.70	0.29	0.13	0.03	8.30	0.49	0.31	0.05
5.75	0.29	0.14	0.03	8.35	0.49	0.31	0.05
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.05
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.05
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.05
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.06
6.00	0.31	0.15	0.03	8.60	0.52	0.34	0.06
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.06
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.06
6.15	0.31	0.16	0.03	8.75	0.54	0.35	0.06
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.06
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.06
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.06
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.06
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.06
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.06
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.06
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.06
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.07
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.07
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.07
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.07
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.07
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.07
6.90	0.37	0.20	0.04	9.50	0.62	0.43	0.08
6.95	0.37	0.20	0.04	9.55	0.63	0.44	0.08
7.00	0.38	0.21	0.04	9.60	0.64	0.45	0.08
7.05	0.38	0.21	0.04	9.65	0.65	0.45	0.08
7.10	0.38	0.21	0.04	9.70	0.65	0.46	0.08
7.15	0.39	0.22	0.04	9.75	0.66	0.47	0.08
7.20	0.39	0.22	0.04	9.80	0.67	0.47	0.09
7.25	0.40	0.23	0.04	9.85	0.68	0.48	0.09
7.30	0.40	0.23	0.04	9.90	0.69	0.49	0.09
7.35	0.40	0.23	0.04	9.95	0.69	0.50	0.09
7.40	0.41	0.24	0.04	10.00	0.70	0.51	0.09
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.10
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.10
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.10
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.10
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.10
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.10
7.75	0.44	0.26	0.05	10.35	0.76	0.56	0.11

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.11	13.00	2.93	2.69	0.21
10.45	0.78	0.58	0.11	13.05	2.94	2.71	0.20
10.50	0.79	0.59	0.11	13.10	2.96	2.73	0.19
10.55	0.80	0.60	0.12	13.15	2.97	2.74	0.18
10.60	0.82	0.61	0.12	13.20	2.98	2.75	0.17
10.65	0.83	0.62	0.13	13.25	3.00	2.77	0.16
10.70	0.84	0.64	0.14	13.30	3.01	2.78	0.16
10.75	0.85	0.65	0.14	13.35	3.02	2.79	0.15
10.80	0.87	0.66	0.15	13.40	3.03	2.80	0.14
10.85	0.88	0.67	0.16	13.45	3.05	2.81	0.14
10.90	0.89	0.69	0.16	13.50	3.06	2.82	0.13
10.95	0.91	0.70	0.17	13.55	3.07	2.83	0.12
11.00	0.92	0.72	0.18	13.60	3.08	2.84	0.12
11.05	0.94	0.73	0.19	13.65	3.09	2.85	0.12
11.10	0.96	0.75	0.20	13.70	3.09	2.86	0.11
11.15	0.98	0.77	0.21	13.75	3.10	2.87	0.11
11.20	1.00	0.79	0.22	13.80	3.11	2.88	0.11
11.25	1.02	0.81	0.23	13.85	3.12	2.89	0.11
11.30	1.04	0.83	0.25	13.90	3.13	2.90	0.11
11.35	1.06	0.85	0.26	13.95	3.14	2.91	0.10
11.40	1.09	0.88	0.27	14.00	3.15	2.92	0.10
11.45	1.11	0.90	0.28	14.05	3.16	2.92	0.10
11.50	1.14	0.92	0.29	14.10	3.16	2.93	0.10
11.55	1.18	0.96	0.36	14.15	3.17	2.94	0.10
11.60	1.22	1.00	0.44	14.20	3.18	2.95	0.10
11.65	1.26	1.04	0.46	14.25	3.19	2.96	0.09
11.70	1.30	1.08	0.48	14.30	3.20	2.96	0.09
11.75	1.35	1.14	0.55	14.35	3.20	2.97	0.09
11.80	1.41	1.19	0.64	14.40	3.21	2.98	0.09
11.85	1.49	1.27	0.76	14.45	3.22	2.99	0.09
11.90	1.57	1.34	0.90	14.50	3.23	2.99	0.09
11.95	1.70	1.48	1.18	14.55	3.23	3.00	0.08
12.00	1.83	1.61	1.52	14.60	3.24	3.01	0.08
12.05	2.06	1.83	2.01	14.65	3.25	3.01	0.08
12.10	2.28	2.06	**2.54**	14.70	3.25	3.02	0.08
12.15	2.36	2.13	1.97	14.75	3.26	3.03	0.08
12.20	2.44	2.21	1.13	14.80	3.26	3.03	0.08
12.25	2.50	2.27	0.86	14.85	3.27	3.04	0.07
12.30	2.55	2.32	0.70	14.90	3.28	3.04	0.07
12.35	2.59	2.36	0.60	14.95	3.28	3.05	0.07
12.40	2.63	2.40	0.51	15.00	3.29	3.05	0.07
12.45	2.67	2.44	0.48	15.05	3.29	3.06	0.07
12.50	2.71	2.48	0.47	15.10	3.30	3.07	0.07
12.55	2.74	2.51	0.40	15.15	3.30	3.07	0.06
12.60	2.76	2.53	0.32	15.20	3.31	3.08	0.06
12.65	2.79	2.56	0.30	15.25	3.31	3.08	0.06
12.70	2.81	2.58	0.28	15.30	3.32	3.09	0.06
12.75	2.83	2.60	0.27	15.35	3.32	3.09	0.06
12.80	2.85	2.62	0.26	15.40	3.33	3.10	0.06
12.85	2.87	2.64	0.25	15.45	3.34	3.10	0.06
12.90	2.89	2.66	0.23	15.50	3.34	3.11	0.06
12.95	2.91	2.68	0.22	15.55	3.35	3.11	0.06

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.06	18.20	3.56	3.32	0.04
15.65	3.36	3.12	0.06	18.25	3.56	3.33	0.04
15.70	3.36	3.13	0.06	18.30	3.56	3.33	0.04
15.75	3.36	3.13	0.06	18.35	3.57	3.33	0.04
15.80	3.37	3.14	0.06	18.40	3.57	3.34	0.04
15.85	3.37	3.14	0.06	18.45	3.57	3.34	0.04
15.90	3.38	3.15	0.06	18.50	3.58	3.34	0.04
15.95	3.38	3.15	0.06	18.55	3.58	3.34	0.04
16.00	3.39	3.16	0.06	18.60	3.58	3.35	0.04
16.05	3.39	3.16	0.06	18.65	3.58	3.35	0.04
16.10	3.40	3.16	0.06	18.70	3.59	3.35	0.04
16.15	3.40	3.17	0.06	18.75	3.59	3.36	0.04
16.20	3.41	3.17	0.05	18.80	3.59	3.36	0.04
16.25	3.41	3.18	0.05	18.85	3.60	3.36	0.04
16.30	3.42	3.18	0.05	18.90	3.60	3.37	0.04
16.35	3.42	3.19	0.05	18.95	3.60	3.37	0.04
16.40	3.42	3.19	0.05	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.05	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.05	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.05	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.05	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.05	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.05	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.05	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.05	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.05	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.05	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.05	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.05	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.05	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.05	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.05	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.05	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.05	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.04	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.04	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.04	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.04	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.04	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.04	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.04	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.04	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.04	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.04	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.04	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.04	20.45	3.69	3.45	0.03
17.90	3.54	3.30	0.04	20.50	3.69	3.45	0.03
17.95	3.54	3.31	0.04	20.55	3.69	3.46	0.03
18.00	3.54	3.31	0.04	20.60	3.69	3.46	0.03
18.05	3.55	3.31	0.04	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.04	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.04	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.03	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.03	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.03	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.03	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.03	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.03	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.03	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.03	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.03	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.03	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.03	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.03	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.03	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.03	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.03	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.03	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.03	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.03	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.03	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.03	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.03	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.03	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.03	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.03	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

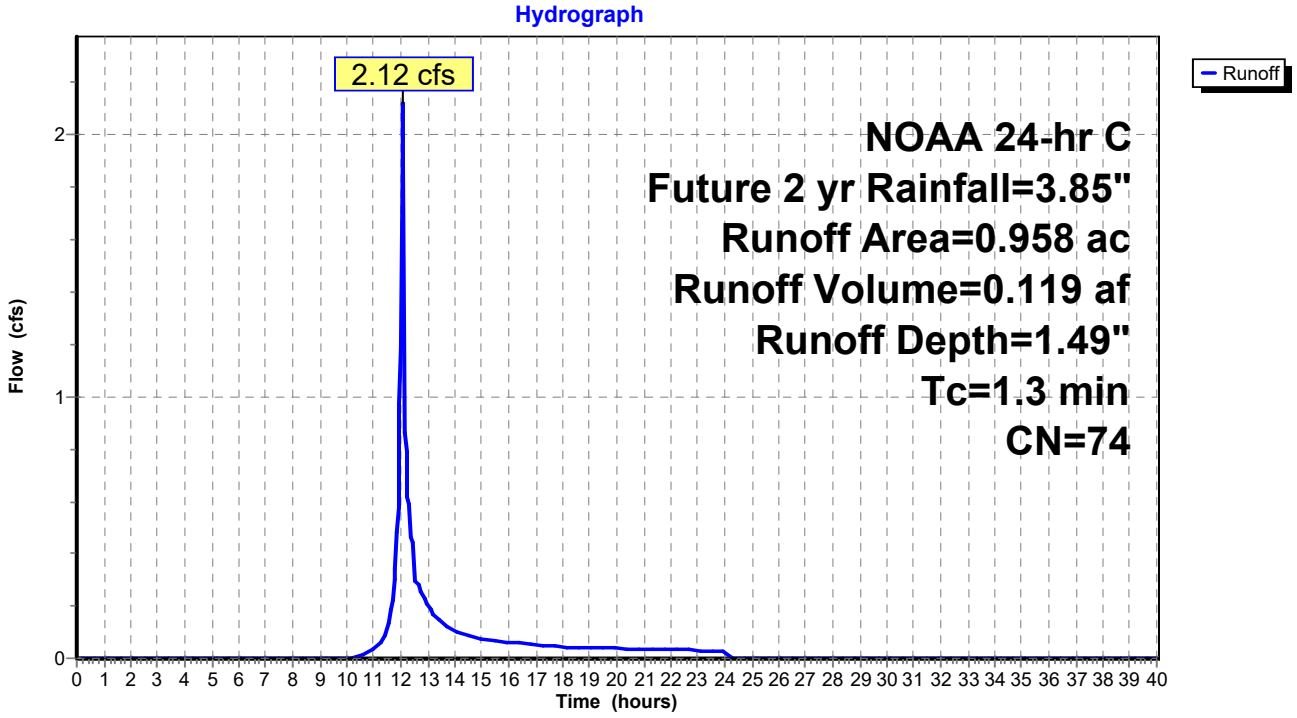
Runoff = 2.12 cfs @ 12.08 hrs, Volume= 0.119 af, Depth= 1.49"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.21
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.19
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.18
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.17
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.17
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.16
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.16
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.15
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.15
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.13
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.13
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.12
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.12
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.12
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.12
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.11
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.11
11.25	1.02	0.03	0.06	13.85	3.12	0.99	0.11
11.30	1.04	0.03	0.07	13.90	3.13	0.99	0.11
11.35	1.06	0.03	0.08	13.95	3.14	1.00	0.11
11.40	1.09	0.04	0.08	14.00	3.15	1.00	0.11
11.45	1.11	0.04	0.09	14.05	3.16	1.01	0.10
11.50	1.14	0.05	0.11	14.10	3.16	1.01	0.10
11.55	1.18	0.06	0.16	14.15	3.17	1.02	0.10
11.60	1.22	0.07	0.18	14.20	3.18	1.02	0.10
11.65	1.26	0.08	0.20	14.25	3.19	1.03	0.10
11.70	1.30	0.09	0.22	14.30	3.20	1.03	0.10
11.75	1.35	0.10	0.30	14.35	3.20	1.04	0.09
11.80	1.41	0.12	0.34	14.40	3.21	1.04	0.09
11.85	1.49	0.14	0.48	14.45	3.22	1.05	0.09
11.90	1.57	0.17	0.58	14.50	3.23	1.05	0.09
11.95	1.70	0.22	0.97	14.55	3.23	1.06	0.09
12.00	1.83	0.28	1.18	14.60	3.24	1.06	0.09
12.05	2.06	0.38	1.96	14.65	3.25	1.07	0.08
12.10	2.28	0.49	**1.99**	14.70	3.25	1.07	0.08
12.15	2.36	0.53	0.86	14.75	3.26	1.08	0.08
12.20	2.44	0.57	0.79	14.80	3.26	1.08	0.08
12.25	2.50	0.61	0.61	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.59	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.46	14.95	3.28	1.09	0.07
12.40	2.63	0.69	0.46	15.00	3.29	1.10	0.07
12.45	2.67	0.71	0.44	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.42	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.30	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.29	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.28	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.27	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.25	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.25	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.23	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.23	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.21	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

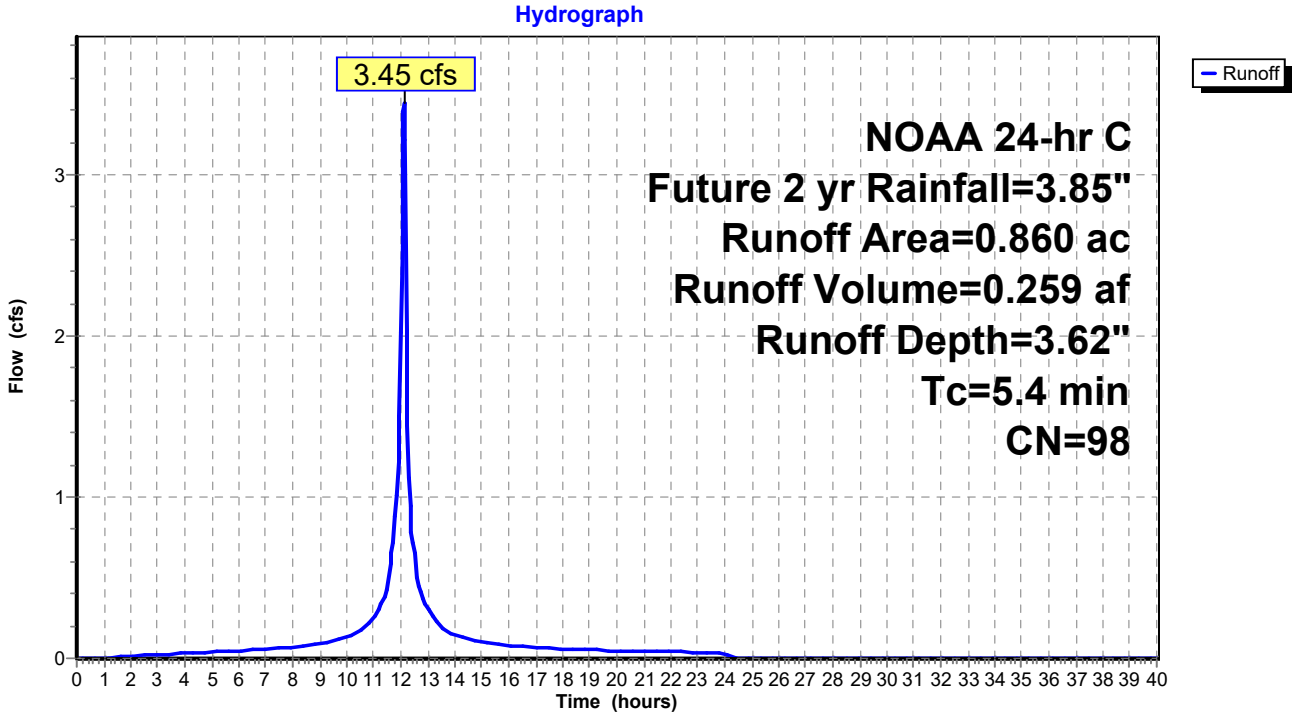
Runoff = 3.45 cfs @ 12.12 hrs, Volume= 0.259 af, Depth= 3.62"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.07
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.07
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.07
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.07
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.07
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.08
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.08
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.08
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.08
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.08
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.08
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.08
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.08
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.08
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.08
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.08
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.08
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.09
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.09
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.09
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.09
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.09
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.10
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.10
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.10
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.10
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.11
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.11
6.95	0.37	0.20	0.06	9.55	0.63	0.44	0.11
7.00	0.38	0.21	0.06	9.60	0.64	0.45	0.11
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.12
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.12
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.12
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.12
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.13
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.13
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.13
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.13
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.14
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.14
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.14
7.60	0.43	0.25	0.07	10.20	0.74	0.54	0.14
7.65	0.43	0.25	0.07	10.25	0.75	0.55	0.15
7.70	0.43	0.26	0.07	10.30	0.76	0.56	0.15
7.75	0.44	0.26	0.07	10.35	0.76	0.56	0.15

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.15	13.00	2.93	2.69	0.31
10.45	0.78	0.58	0.16	13.05	2.94	2.71	0.29
10.50	0.79	0.59	0.16	13.10	2.96	2.73	0.27
10.55	0.80	0.60	0.16	13.15	2.97	2.74	0.26
10.60	0.82	0.61	0.17	13.20	2.98	2.75	0.25
10.65	0.83	0.62	0.18	13.25	3.00	2.77	0.24
10.70	0.84	0.64	0.19	13.30	3.01	2.78	0.23
10.75	0.85	0.65	0.20	13.35	3.02	2.79	0.22
10.80	0.87	0.66	0.21	13.40	3.03	2.80	0.21
10.85	0.88	0.67	0.22	13.45	3.05	2.81	0.20
10.90	0.89	0.69	0.23	13.50	3.06	2.82	0.19
10.95	0.91	0.70	0.24	13.55	3.07	2.83	0.18
11.00	0.92	0.72	0.25	13.60	3.08	2.84	0.17
11.05	0.94	0.73	0.26	13.65	3.09	2.85	0.17
11.10	0.96	0.75	0.28	13.70	3.09	2.86	0.16
11.15	0.98	0.77	0.29	13.75	3.10	2.87	0.16
11.20	1.00	0.79	0.32	13.80	3.11	2.88	0.16
11.25	1.02	0.81	0.33	13.85	3.12	2.89	0.16
11.30	1.04	0.83	0.35	13.90	3.13	2.90	0.15
11.35	1.06	0.85	0.37	13.95	3.14	2.91	0.15
11.40	1.09	0.88	0.39	14.00	3.15	2.92	0.15
11.45	1.11	0.90	0.40	14.05	3.16	2.92	0.15
11.50	1.14	0.92	0.42	14.10	3.16	2.93	0.14
11.55	1.18	0.96	0.47	14.15	3.17	2.94	0.14
11.60	1.22	1.00	0.59	14.20	3.18	2.95	0.14
11.65	1.26	1.04	0.65	14.25	3.19	2.96	0.14
11.70	1.30	1.08	0.68	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.75	14.35	3.20	2.97	0.13
11.80	1.41	1.19	0.88	14.40	3.21	2.98	0.13
11.85	1.49	1.27	1.02	14.45	3.22	2.99	0.13
11.90	1.57	1.34	1.22	14.50	3.23	2.99	0.12
11.95	1.70	1.48	1.51	14.55	3.23	3.00	0.12
12.00	1.83	1.61	2.02	14.60	3.24	3.01	0.12
12.05	2.06	1.83	2.56	14.65	3.25	3.01	0.12
12.10	2.28	2.06	**3.40**	14.70	3.25	3.02	0.11
12.15	2.36	2.13	3.22	14.75	3.26	3.03	0.11
12.20	2.44	2.21	2.04	14.80	3.26	3.03	0.11
12.25	2.50	2.27	1.44	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.12	14.90	3.28	3.04	0.10
12.35	2.59	2.36	0.95	14.95	3.28	3.05	0.10
12.40	2.63	2.40	0.79	15.00	3.29	3.05	0.10
12.45	2.67	2.44	0.72	15.05	3.29	3.06	0.10
12.50	2.71	2.48	0.69	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.63	15.15	3.30	3.07	0.09
12.60	2.76	2.53	0.50	15.20	3.31	3.08	0.09
12.65	2.79	2.56	0.45	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.42	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.40	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.38	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.37	15.45	3.34	3.10	0.09
12.90	2.89	2.66	0.35	15.50	3.34	3.11	0.09
12.95	2.91	2.68	0.33	15.55	3.35	3.11	0.09

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.09	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.09	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.09	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.09	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.08	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.08	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.08	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.08	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.08	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.08	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.08	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.08	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.08	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.07	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.07	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.07	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.07	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.07	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.07	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.06	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.06	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.05
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.05
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.01
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

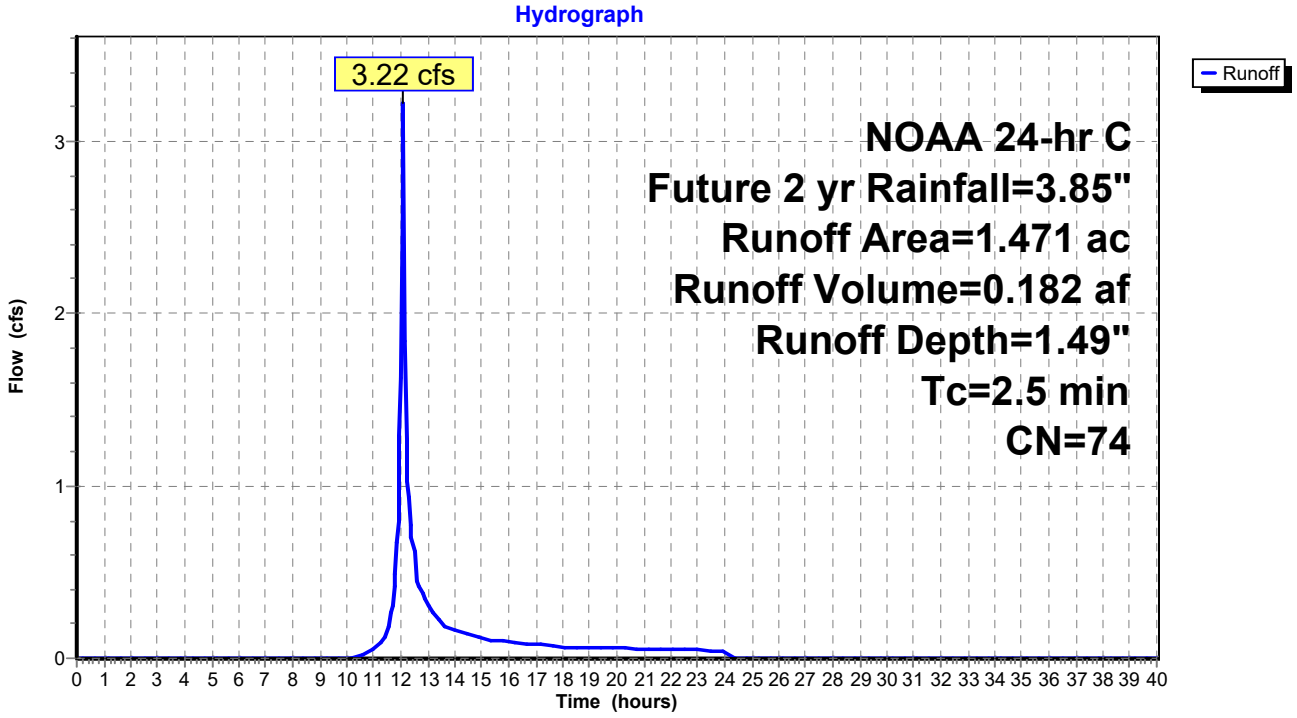
Runoff = 3.22 cfs @ 12.09 hrs, Volume= 0.182 af, Depth= 1.49"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.01
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.32
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.29
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.28
10.55	0.80	0.00	0.02	13.15	2.97	0.89	0.27
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.26
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.25
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.25
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.23
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.23
10.85	0.88	0.01	0.04	13.45	3.05	0.94	0.21
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.21
10.95	0.91	0.01	0.05	13.55	3.07	0.95	0.19
11.00	0.92	0.01	0.05	13.60	3.08	0.96	0.19
11.05	0.94	0.02	0.06	13.65	3.09	0.96	0.18
11.10	0.96	0.02	0.06	13.70	3.09	0.97	0.18
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.18
11.20	1.00	0.02	0.08	13.80	3.11	0.98	0.18
11.25	1.02	0.03	0.09	13.85	3.12	0.99	0.17
11.30	1.04	0.03	0.10	13.90	3.13	0.99	0.17
11.35	1.06	0.03	0.12	13.95	3.14	1.00	0.17
11.40	1.09	0.04	0.13	14.00	3.15	1.00	0.17
11.45	1.11	0.04	0.14	14.05	3.16	1.01	0.16
11.50	1.14	0.05	0.15	14.10	3.16	1.01	0.16
11.55	1.18	0.06	0.22	14.15	3.17	1.02	0.16
11.60	1.22	0.07	0.26	14.20	3.18	1.02	0.16
11.65	1.26	0.08	0.29	14.25	3.19	1.03	0.15
11.70	1.30	0.09	0.32	14.30	3.20	1.03	0.15
11.75	1.35	0.10	0.42	14.35	3.20	1.04	0.15
11.80	1.41	0.12	0.49	14.40	3.21	1.04	0.14
11.85	1.49	0.14	0.67	14.45	3.22	1.05	0.14
11.90	1.57	0.17	0.79	14.50	3.23	1.05	0.14
11.95	1.70	0.22	1.29	14.55	3.23	1.06	0.14
12.00	1.83	0.28	1.63	14.60	3.24	1.06	0.13
12.05	2.06	0.38	2.63	14.65	3.25	1.07	0.13
12.10	2.28	0.49	**3.18**	14.70	3.25	1.07	0.13
12.15	2.36	0.53	1.85	14.75	3.26	1.08	0.13
12.20	2.44	0.57	1.28	14.80	3.26	1.08	0.12
12.25	2.50	0.61	1.02	14.85	3.27	1.08	0.12
12.30	2.55	0.64	0.94	14.90	3.28	1.09	0.12
12.35	2.59	0.66	0.77	14.95	3.28	1.09	0.11
12.40	2.63	0.69	0.71	15.00	3.29	1.10	0.11
12.45	2.67	0.71	0.69	15.05	3.29	1.10	0.11
12.50	2.71	0.73	0.68	15.10	3.30	1.10	0.11
12.55	2.74	0.75	0.51	15.15	3.30	1.11	0.11
12.60	2.76	0.76	0.45	15.20	3.31	1.11	0.11
12.65	2.79	0.78	0.43	15.25	3.31	1.11	0.10
12.70	2.81	0.79	0.42	15.30	3.32	1.12	0.10
12.75	2.83	0.80	0.40	15.35	3.32	1.12	0.10
12.80	2.85	0.82	0.39	15.40	3.33	1.12	0.10
12.85	2.87	0.83	0.37	15.45	3.34	1.13	0.10
12.90	2.89	0.84	0.36	15.50	3.34	1.13	0.10
12.95	2.91	0.85	0.33	15.55	3.35	1.13	0.10

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.10	18.20	3.56	1.28	0.06
15.65	3.36	1.14	0.10	18.25	3.56	1.28	0.06
15.70	3.36	1.14	0.10	18.30	3.56	1.28	0.06
15.75	3.36	1.15	0.10	18.35	3.57	1.29	0.06
15.80	3.37	1.15	0.10	18.40	3.57	1.29	0.06
15.85	3.37	1.15	0.10	18.45	3.57	1.29	0.06
15.90	3.38	1.16	0.10	18.50	3.58	1.29	0.06
15.95	3.38	1.16	0.10	18.55	3.58	1.29	0.06
16.00	3.39	1.16	0.09	18.60	3.58	1.30	0.06
16.05	3.39	1.17	0.09	18.65	3.58	1.30	0.06
16.10	3.40	1.17	0.09	18.70	3.59	1.30	0.06
16.15	3.40	1.17	0.09	18.75	3.59	1.30	0.06
16.20	3.41	1.18	0.09	18.80	3.59	1.30	0.06
16.25	3.41	1.18	0.09	18.85	3.60	1.31	0.06
16.30	3.42	1.18	0.09	18.90	3.60	1.31	0.06
16.35	3.42	1.19	0.09	18.95	3.60	1.31	0.06
16.40	3.42	1.19	0.09	19.00	3.61	1.31	0.06
16.45	3.43	1.19	0.09	19.05	3.61	1.32	0.06
16.50	3.43	1.19	0.09	19.10	3.61	1.32	0.06
16.55	3.44	1.20	0.09	19.15	3.61	1.32	0.06
16.60	3.44	1.20	0.09	19.20	3.62	1.32	0.06
16.65	3.45	1.20	0.09	19.25	3.62	1.32	0.06
16.70	3.45	1.21	0.08	19.30	3.62	1.33	0.06
16.75	3.45	1.21	0.08	19.35	3.63	1.33	0.06
16.80	3.46	1.21	0.08	19.40	3.63	1.33	0.06
16.85	3.46	1.21	0.08	19.45	3.63	1.33	0.06
16.90	3.47	1.22	0.08	19.50	3.63	1.33	0.06
16.95	3.47	1.22	0.08	19.55	3.64	1.34	0.06
17.00	3.47	1.22	0.08	19.60	3.64	1.34	0.06
17.05	3.48	1.22	0.08	19.65	3.64	1.34	0.06
17.10	3.48	1.23	0.08	19.70	3.65	1.34	0.06
17.15	3.49	1.23	0.08	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.08	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.08	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.07	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.07	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.07	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.07	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.07	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.07	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.07	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.07	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.07	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.07	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.07	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.07	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.06	20.65	3.70	1.38	0.05
18.10	3.55	1.28	0.06	20.70	3.70	1.38	0.05
18.15	3.55	1.28	0.06	20.75	3.70	1.38	0.05

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.05	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.05	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.05	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.05	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.05	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.05	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.05	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.05	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.05	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.05	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.05	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.05	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.05	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.05	24.05	3.85	1.49	0.02
21.50	3.74	1.41	0.05	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.05	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.05	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.05	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.05	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.05	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.05	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.05	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.05	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.05	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

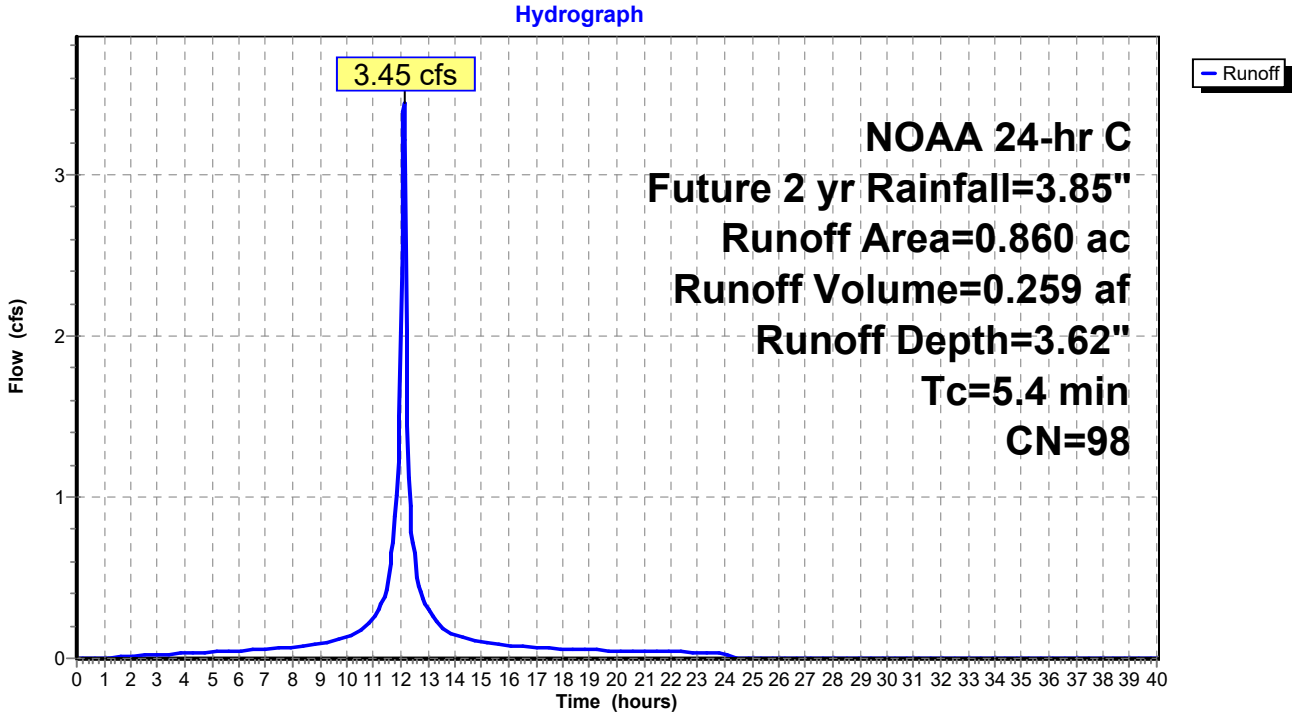
Runoff = 3.45 cfs @ 12.12 hrs, Volume= 0.259 af, Depth= 3.62"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.07
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.07
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.07
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.07
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.07
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.08
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.08
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.08
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.08
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.08
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.08
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.08
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.08
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.08
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.08
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.08
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.08
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.09
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.09
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.09
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.09
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.09
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.10
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.10
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.10
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.10
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.11
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.11
6.95	0.37	0.20	0.06	9.55	0.63	0.44	0.11
7.00	0.38	0.21	0.06	9.60	0.64	0.45	0.11
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.12
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.12
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.12
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.12
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.13
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.13
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.13
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.13
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.14
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.14
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.14
7.60	0.43	0.25	0.07	10.20	0.74	0.54	0.14
7.65	0.43	0.25	0.07	10.25	0.75	0.55	0.15
7.70	0.43	0.26	0.07	10.30	0.76	0.56	0.15
7.75	0.44	0.26	0.07	10.35	0.76	0.56	0.15

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.15	13.00	2.93	2.69	0.31
10.45	0.78	0.58	0.16	13.05	2.94	2.71	0.29
10.50	0.79	0.59	0.16	13.10	2.96	2.73	0.27
10.55	0.80	0.60	0.16	13.15	2.97	2.74	0.26
10.60	0.82	0.61	0.17	13.20	2.98	2.75	0.25
10.65	0.83	0.62	0.18	13.25	3.00	2.77	0.24
10.70	0.84	0.64	0.19	13.30	3.01	2.78	0.23
10.75	0.85	0.65	0.20	13.35	3.02	2.79	0.22
10.80	0.87	0.66	0.21	13.40	3.03	2.80	0.21
10.85	0.88	0.67	0.22	13.45	3.05	2.81	0.20
10.90	0.89	0.69	0.23	13.50	3.06	2.82	0.19
10.95	0.91	0.70	0.24	13.55	3.07	2.83	0.18
11.00	0.92	0.72	0.25	13.60	3.08	2.84	0.17
11.05	0.94	0.73	0.26	13.65	3.09	2.85	0.17
11.10	0.96	0.75	0.28	13.70	3.09	2.86	0.16
11.15	0.98	0.77	0.29	13.75	3.10	2.87	0.16
11.20	1.00	0.79	0.32	13.80	3.11	2.88	0.16
11.25	1.02	0.81	0.33	13.85	3.12	2.89	0.16
11.30	1.04	0.83	0.35	13.90	3.13	2.90	0.15
11.35	1.06	0.85	0.37	13.95	3.14	2.91	0.15
11.40	1.09	0.88	0.39	14.00	3.15	2.92	0.15
11.45	1.11	0.90	0.40	14.05	3.16	2.92	0.15
11.50	1.14	0.92	0.42	14.10	3.16	2.93	0.14
11.55	1.18	0.96	0.47	14.15	3.17	2.94	0.14
11.60	1.22	1.00	0.59	14.20	3.18	2.95	0.14
11.65	1.26	1.04	0.65	14.25	3.19	2.96	0.14
11.70	1.30	1.08	0.68	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.75	14.35	3.20	2.97	0.13
11.80	1.41	1.19	0.88	14.40	3.21	2.98	0.13
11.85	1.49	1.27	1.02	14.45	3.22	2.99	0.13
11.90	1.57	1.34	1.22	14.50	3.23	2.99	0.12
11.95	1.70	1.48	1.51	14.55	3.23	3.00	0.12
12.00	1.83	1.61	2.02	14.60	3.24	3.01	0.12
12.05	2.06	1.83	2.56	14.65	3.25	3.01	0.12
12.10	2.28	2.06	**3.40**	14.70	3.25	3.02	0.11
12.15	2.36	2.13	3.22	14.75	3.26	3.03	0.11
12.20	2.44	2.21	2.04	14.80	3.26	3.03	0.11
12.25	2.50	2.27	1.44	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.12	14.90	3.28	3.04	0.10
12.35	2.59	2.36	0.95	14.95	3.28	3.05	0.10
12.40	2.63	2.40	0.79	15.00	3.29	3.05	0.10
12.45	2.67	2.44	0.72	15.05	3.29	3.06	0.10
12.50	2.71	2.48	0.69	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.63	15.15	3.30	3.07	0.09
12.60	2.76	2.53	0.50	15.20	3.31	3.08	0.09
12.65	2.79	2.56	0.45	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.42	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.40	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.38	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.37	15.45	3.34	3.10	0.09
12.90	2.89	2.66	0.35	15.50	3.34	3.11	0.09
12.95	2.91	2.68	0.33	15.55	3.35	3.11	0.09

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.09	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.09	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.09	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.09	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.08	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.08	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.08	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.08	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.08	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.08	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.08	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.08	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.08	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.07	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.07	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.07	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.07	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.07	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.07	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.06	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.06	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.05
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.05
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.01
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

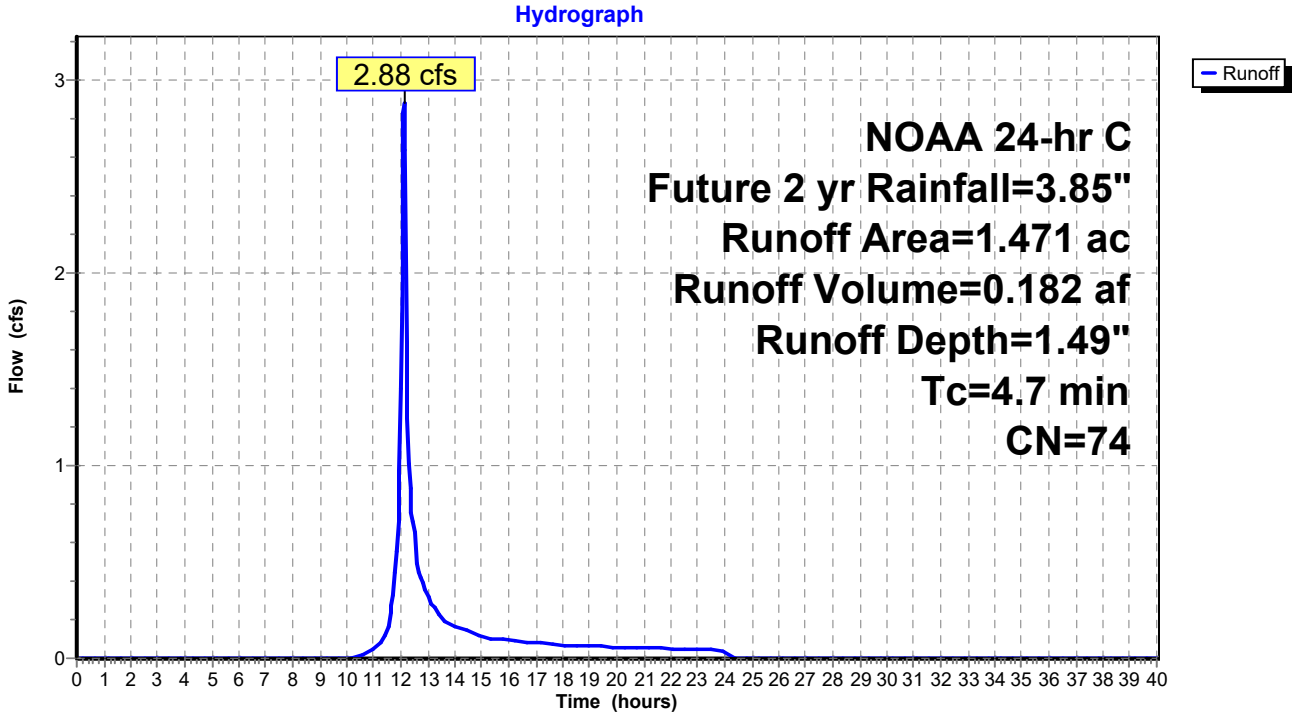
Runoff = 2.88 cfs @ 12.12 hrs, Volume= 0.182 af, Depth= 1.49"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.33
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.31
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.29
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.28
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.27
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.26
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.25
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.24
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.23
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.22
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.21
10.95	0.91	0.01	0.04	13.55	3.07	0.95	0.20
11.00	0.92	0.01	0.05	13.60	3.08	0.96	0.19
11.05	0.94	0.02	0.05	13.65	3.09	0.96	0.19
11.10	0.96	0.02	0.06	13.70	3.09	0.97	0.18
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.18
11.20	1.00	0.02	0.08	13.80	3.11	0.98	0.18
11.25	1.02	0.03	0.09	13.85	3.12	0.99	0.17
11.30	1.04	0.03	0.10	13.90	3.13	0.99	0.17
11.35	1.06	0.03	0.11	13.95	3.14	1.00	0.17
11.40	1.09	0.04	0.12	14.00	3.15	1.00	0.17
11.45	1.11	0.04	0.13	14.05	3.16	1.01	0.16
11.50	1.14	0.05	0.14	14.10	3.16	1.01	0.16
11.55	1.18	0.06	0.18	14.15	3.17	1.02	0.16
11.60	1.22	0.07	0.23	14.20	3.18	1.02	0.16
11.65	1.26	0.08	0.27	14.25	3.19	1.03	0.15
11.70	1.30	0.09	0.30	14.30	3.20	1.03	0.15
11.75	1.35	0.10	0.35	14.35	3.20	1.04	0.15
11.80	1.41	0.12	0.44	14.40	3.21	1.04	0.15
11.85	1.49	0.14	0.55	14.45	3.22	1.05	0.14
11.90	1.57	0.17	0.71	14.50	3.23	1.05	0.14
11.95	1.70	0.22	0.97	14.55	3.23	1.06	0.14
12.00	1.83	0.28	1.40	14.60	3.24	1.06	0.14
12.05	2.06	0.38	1.97	14.65	3.25	1.07	0.13
12.10	2.28	0.49	**2.83**	14.70	3.25	1.07	0.13
12.15	2.36	0.53	2.63	14.75	3.26	1.08	0.13
12.20	2.44	0.57	1.64	14.80	3.26	1.08	0.12
12.25	2.50	0.61	1.24	14.85	3.27	1.08	0.12
12.30	2.55	0.64	1.01	14.90	3.28	1.09	0.12
12.35	2.59	0.66	0.89	14.95	3.28	1.09	0.12
12.40	2.63	0.69	0.75	15.00	3.29	1.10	0.11
12.45	2.67	0.71	0.71	15.05	3.29	1.10	0.11
12.50	2.71	0.73	0.69	15.10	3.30	1.10	0.11
12.55	2.74	0.75	0.62	15.15	3.30	1.11	0.11
12.60	2.76	0.76	0.49	15.20	3.31	1.11	0.11
12.65	2.79	0.78	0.45	15.25	3.31	1.11	0.11
12.70	2.81	0.79	0.43	15.30	3.32	1.12	0.10
12.75	2.83	0.80	0.41	15.35	3.32	1.12	0.10
12.80	2.85	0.82	0.40	15.40	3.33	1.12	0.10
12.85	2.87	0.83	0.38	15.45	3.34	1.13	0.10
12.90	2.89	0.84	0.36	15.50	3.34	1.13	0.10
12.95	2.91	0.85	0.35	15.55	3.35	1.13	0.10

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.10	18.20	3.56	1.28	0.06
15.65	3.36	1.14	0.10	18.25	3.56	1.28	0.06
15.70	3.36	1.14	0.10	18.30	3.56	1.28	0.06
15.75	3.36	1.15	0.10	18.35	3.57	1.29	0.06
15.80	3.37	1.15	0.10	18.40	3.57	1.29	0.06
15.85	3.37	1.15	0.10	18.45	3.57	1.29	0.06
15.90	3.38	1.16	0.10	18.50	3.58	1.29	0.06
15.95	3.38	1.16	0.10	18.55	3.58	1.29	0.06
16.00	3.39	1.16	0.09	18.60	3.58	1.30	0.06
16.05	3.39	1.17	0.09	18.65	3.58	1.30	0.06
16.10	3.40	1.17	0.09	18.70	3.59	1.30	0.06
16.15	3.40	1.17	0.09	18.75	3.59	1.30	0.06
16.20	3.41	1.18	0.09	18.80	3.59	1.30	0.06
16.25	3.41	1.18	0.09	18.85	3.60	1.31	0.06
16.30	3.42	1.18	0.09	18.90	3.60	1.31	0.06
16.35	3.42	1.19	0.09	18.95	3.60	1.31	0.06
16.40	3.42	1.19	0.09	19.00	3.61	1.31	0.06
16.45	3.43	1.19	0.09	19.05	3.61	1.32	0.06
16.50	3.43	1.19	0.09	19.10	3.61	1.32	0.06
16.55	3.44	1.20	0.09	19.15	3.61	1.32	0.06
16.60	3.44	1.20	0.09	19.20	3.62	1.32	0.06
16.65	3.45	1.20	0.09	19.25	3.62	1.32	0.06
16.70	3.45	1.21	0.09	19.30	3.62	1.33	0.06
16.75	3.45	1.21	0.08	19.35	3.63	1.33	0.06
16.80	3.46	1.21	0.08	19.40	3.63	1.33	0.06
16.85	3.46	1.21	0.08	19.45	3.63	1.33	0.06
16.90	3.47	1.22	0.08	19.50	3.63	1.33	0.06
16.95	3.47	1.22	0.08	19.55	3.64	1.34	0.06
17.00	3.47	1.22	0.08	19.60	3.64	1.34	0.06
17.05	3.48	1.22	0.08	19.65	3.64	1.34	0.06
17.10	3.48	1.23	0.08	19.70	3.65	1.34	0.06
17.15	3.49	1.23	0.08	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.08	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.08	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.08	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.07	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.07	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.07	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.07	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.07	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.07	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.07	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.07	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.07	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.07	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.07	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.07	20.65	3.70	1.38	0.06
18.10	3.55	1.28	0.06	20.70	3.70	1.38	0.05
18.15	3.55	1.28	0.06	20.75	3.70	1.38	0.05

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.05	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.05	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.05	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.05	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.05	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.05	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.05	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.05	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.05	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.05	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.05	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.05	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.05	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.05	24.05	3.85	1.49	0.04
21.50	3.74	1.41	0.05	24.10	3.85	1.49	0.01
21.55	3.74	1.41	0.05	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.05	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.05	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.05	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.05	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.05	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.05	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.05	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.05	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.05	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

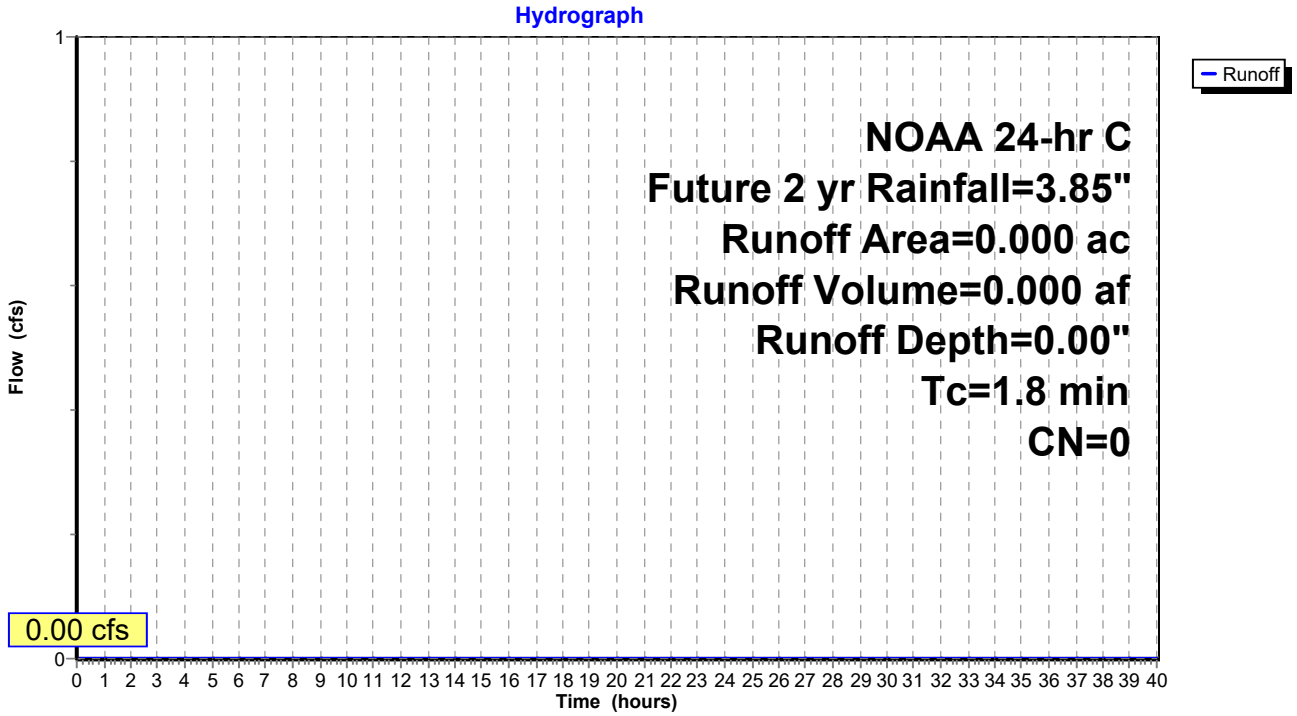
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.00	0.00
10.45	0.78	0.00	0.00	13.05	2.94	0.00	0.00
10.50	0.79	0.00	0.00	13.10	2.96	0.00	0.00
10.55	0.80	0.00	0.00	13.15	2.97	0.00	0.00
10.60	0.82	0.00	0.00	13.20	2.98	0.00	0.00
10.65	0.83	0.00	0.00	13.25	3.00	0.00	0.00
10.70	0.84	0.00	0.00	13.30	3.01	0.00	0.00
10.75	0.85	0.00	0.00	13.35	3.02	0.00	0.00
10.80	0.87	0.00	0.00	13.40	3.03	0.00	0.00
10.85	0.88	0.00	0.00	13.45	3.05	0.00	0.00
10.90	0.89	0.00	0.00	13.50	3.06	0.00	0.00
10.95	0.91	0.00	0.00	13.55	3.07	0.00	0.00
11.00	0.92	0.00	0.00	13.60	3.08	0.00	0.00
11.05	0.94	0.00	0.00	13.65	3.09	0.00	0.00
11.10	0.96	0.00	0.00	13.70	3.09	0.00	0.00
11.15	0.98	0.00	0.00	13.75	3.10	0.00	0.00
11.20	1.00	0.00	0.00	13.80	3.11	0.00	0.00
11.25	1.02	0.00	0.00	13.85	3.12	0.00	0.00
11.30	1.04	0.00	0.00	13.90	3.13	0.00	0.00
11.35	1.06	0.00	0.00	13.95	3.14	0.00	0.00
11.40	1.09	0.00	0.00	14.00	3.15	0.00	0.00
11.45	1.11	0.00	0.00	14.05	3.16	0.00	0.00
11.50	1.14	0.00	0.00	14.10	3.16	0.00	0.00
11.55	1.18	0.00	0.00	14.15	3.17	0.00	0.00
11.60	1.22	0.00	0.00	14.20	3.18	0.00	0.00
11.65	1.26	0.00	0.00	14.25	3.19	0.00	0.00
11.70	1.30	0.00	0.00	14.30	3.20	0.00	0.00
11.75	1.35	0.00	0.00	14.35	3.20	0.00	0.00
11.80	1.41	0.00	0.00	14.40	3.21	0.00	0.00
11.85	1.49	0.00	0.00	14.45	3.22	0.00	0.00
11.90	1.57	0.00	0.00	14.50	3.23	0.00	0.00
11.95	1.70	0.00	0.00	14.55	3.23	0.00	0.00
12.00	1.83	0.00	0.00	14.60	3.24	0.00	0.00
12.05	2.06	0.00	0.00	14.65	3.25	0.00	0.00
12.10	2.28	0.00	0.00	14.70	3.25	0.00	0.00
12.15	2.36	0.00	0.00	14.75	3.26	0.00	0.00
12.20	2.44	0.00	0.00	14.80	3.26	0.00	0.00
12.25	2.50	0.00	0.00	14.85	3.27	0.00	0.00
12.30	2.55	0.00	0.00	14.90	3.28	0.00	0.00
12.35	2.59	0.00	0.00	14.95	3.28	0.00	0.00
12.40	2.63	0.00	0.00	15.00	3.29	0.00	0.00
12.45	2.67	0.00	0.00	15.05	3.29	0.00	0.00
12.50	2.71	0.00	0.00	15.10	3.30	0.00	0.00
12.55	2.74	0.00	0.00	15.15	3.30	0.00	0.00
12.60	2.76	0.00	0.00	15.20	3.31	0.00	0.00
12.65	2.79	0.00	0.00	15.25	3.31	0.00	0.00
12.70	2.81	0.00	0.00	15.30	3.32	0.00	0.00
12.75	2.83	0.00	0.00	15.35	3.32	0.00	0.00
12.80	2.85	0.00	0.00	15.40	3.33	0.00	0.00
12.85	2.87	0.00	0.00	15.45	3.34	0.00	0.00
12.90	2.89	0.00	0.00	15.50	3.34	0.00	0.00
12.95	2.91	0.00	0.00	15.55	3.35	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.00	0.00	18.20	3.56	0.00	0.00
15.65	3.36	0.00	0.00	18.25	3.56	0.00	0.00
15.70	3.36	0.00	0.00	18.30	3.56	0.00	0.00
15.75	3.36	0.00	0.00	18.35	3.57	0.00	0.00
15.80	3.37	0.00	0.00	18.40	3.57	0.00	0.00
15.85	3.37	0.00	0.00	18.45	3.57	0.00	0.00
15.90	3.38	0.00	0.00	18.50	3.58	0.00	0.00
15.95	3.38	0.00	0.00	18.55	3.58	0.00	0.00
16.00	3.39	0.00	0.00	18.60	3.58	0.00	0.00
16.05	3.39	0.00	0.00	18.65	3.58	0.00	0.00
16.10	3.40	0.00	0.00	18.70	3.59	0.00	0.00
16.15	3.40	0.00	0.00	18.75	3.59	0.00	0.00
16.20	3.41	0.00	0.00	18.80	3.59	0.00	0.00
16.25	3.41	0.00	0.00	18.85	3.60	0.00	0.00
16.30	3.42	0.00	0.00	18.90	3.60	0.00	0.00
16.35	3.42	0.00	0.00	18.95	3.60	0.00	0.00
16.40	3.42	0.00	0.00	19.00	3.61	0.00	0.00
16.45	3.43	0.00	0.00	19.05	3.61	0.00	0.00
16.50	3.43	0.00	0.00	19.10	3.61	0.00	0.00
16.55	3.44	0.00	0.00	19.15	3.61	0.00	0.00
16.60	3.44	0.00	0.00	19.20	3.62	0.00	0.00
16.65	3.45	0.00	0.00	19.25	3.62	0.00	0.00
16.70	3.45	0.00	0.00	19.30	3.62	0.00	0.00
16.75	3.45	0.00	0.00	19.35	3.63	0.00	0.00
16.80	3.46	0.00	0.00	19.40	3.63	0.00	0.00
16.85	3.46	0.00	0.00	19.45	3.63	0.00	0.00
16.90	3.47	0.00	0.00	19.50	3.63	0.00	0.00
16.95	3.47	0.00	0.00	19.55	3.64	0.00	0.00
17.00	3.47	0.00	0.00	19.60	3.64	0.00	0.00
17.05	3.48	0.00	0.00	19.65	3.64	0.00	0.00
17.10	3.48	0.00	0.00	19.70	3.65	0.00	0.00
17.15	3.49	0.00	0.00	19.75	3.65	0.00	0.00
17.20	3.49	0.00	0.00	19.80	3.65	0.00	0.00
17.25	3.49	0.00	0.00	19.85	3.65	0.00	0.00
17.30	3.50	0.00	0.00	19.90	3.66	0.00	0.00
17.35	3.50	0.00	0.00	19.95	3.66	0.00	0.00
17.40	3.50	0.00	0.00	20.00	3.66	0.00	0.00
17.45	3.51	0.00	0.00	20.05	3.66	0.00	0.00
17.50	3.51	0.00	0.00	20.10	3.67	0.00	0.00
17.55	3.52	0.00	0.00	20.15	3.67	0.00	0.00
17.60	3.52	0.00	0.00	20.20	3.67	0.00	0.00
17.65	3.52	0.00	0.00	20.25	3.68	0.00	0.00
17.70	3.53	0.00	0.00	20.30	3.68	0.00	0.00
17.75	3.53	0.00	0.00	20.35	3.68	0.00	0.00
17.80	3.53	0.00	0.00	20.40	3.68	0.00	0.00
17.85	3.54	0.00	0.00	20.45	3.69	0.00	0.00
17.90	3.54	0.00	0.00	20.50	3.69	0.00	0.00
17.95	3.54	0.00	0.00	20.55	3.69	0.00	0.00
18.00	3.54	0.00	0.00	20.60	3.69	0.00	0.00
18.05	3.55	0.00	0.00	20.65	3.70	0.00	0.00
18.10	3.55	0.00	0.00	20.70	3.70	0.00	0.00
18.15	3.55	0.00	0.00	20.75	3.70	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.00	0.00	23.40	3.82	0.00	0.00
20.85	3.71	0.00	0.00	23.45	3.83	0.00	0.00
20.90	3.71	0.00	0.00	23.50	3.83	0.00	0.00
20.95	3.71	0.00	0.00	23.55	3.83	0.00	0.00
21.00	3.71	0.00	0.00	23.60	3.83	0.00	0.00
21.05	3.72	0.00	0.00	23.65	3.84	0.00	0.00
21.10	3.72	0.00	0.00	23.70	3.84	0.00	0.00
21.15	3.72	0.00	0.00	23.75	3.84	0.00	0.00
21.20	3.72	0.00	0.00	23.80	3.84	0.00	0.00
21.25	3.73	0.00	0.00	23.85	3.84	0.00	0.00
21.30	3.73	0.00	0.00	23.90	3.85	0.00	0.00
21.35	3.73	0.00	0.00	23.95	3.85	0.00	0.00
21.40	3.73	0.00	0.00	24.00	**3.85**	0.00	0.00
21.45	3.74	0.00	0.00	24.05	3.85	0.00	0.00
21.50	3.74	0.00	0.00	24.10	3.85	0.00	0.00
21.55	3.74	0.00	0.00	24.15	3.85	0.00	0.00
21.60	3.74	0.00	0.00	24.20	3.85	0.00	0.00
21.65	3.75	0.00	0.00	24.25	3.85	0.00	0.00
21.70	3.75	0.00	0.00	24.30	3.85	0.00	0.00
21.75	3.75	0.00	0.00	24.35	3.85	0.00	0.00
21.80	3.75	0.00	0.00	24.40	3.85	0.00	0.00
21.85	3.76	0.00	0.00	24.45	3.85	0.00	0.00
21.90	3.76	0.00	0.00	24.50	3.85	0.00	0.00
21.95	3.76	0.00	0.00	24.55	3.85	0.00	0.00
22.00	3.76	0.00	0.00	24.60	3.85	0.00	0.00
22.05	3.77	0.00	0.00	24.65	3.85	0.00	0.00
22.10	3.77	0.00	0.00	24.70	3.85	0.00	0.00
22.15	3.77	0.00	0.00	24.75	3.85	0.00	0.00
22.20	3.77	0.00	0.00	24.80	3.85	0.00	0.00
22.25	3.77	0.00	0.00	24.85	3.85	0.00	0.00
22.30	3.78	0.00	0.00	24.90	3.85	0.00	0.00
22.35	3.78	0.00	0.00	24.95	3.85	0.00	0.00
22.40	3.78	0.00	0.00	25.00	3.85	0.00	0.00
22.45	3.78	0.00	0.00	25.05	3.85	0.00	0.00
22.50	3.79	0.00	0.00	25.10	3.85	0.00	0.00
22.55	3.79	0.00	0.00	25.15	3.85	0.00	0.00
22.60	3.79	0.00	0.00	25.20	3.85	0.00	0.00
22.65	3.79	0.00	0.00	25.25	3.85	0.00	0.00
22.70	3.79	0.00	0.00	25.30	3.85	0.00	0.00
22.75	3.80	0.00	0.00	25.35	3.85	0.00	0.00
22.80	3.80	0.00	0.00	25.40	3.85	0.00	0.00
22.85	3.80	0.00	0.00	25.45	3.85	0.00	0.00
22.90	3.80	0.00	0.00	25.50	3.85	0.00	0.00
22.95	3.81	0.00	0.00	25.55	3.85	0.00	0.00
23.00	3.81	0.00	0.00	25.60	3.85	0.00	0.00
23.05	3.81	0.00	0.00	25.65	3.85	0.00	0.00
23.10	3.81	0.00	0.00	25.70	3.85	0.00	0.00
23.15	3.81	0.00	0.00	25.75	3.85	0.00	0.00
23.20	3.82	0.00	0.00	25.80	3.85	0.00	0.00
23.25	3.82	0.00	0.00	25.85	3.85	0.00	0.00
23.30	3.82	0.00	0.00	25.90	3.85	0.00	0.00
23.35	3.82	0.00	0.00	25.95	3.85	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.00	0.00	28.60	3.85	0.00	0.00
26.05	3.85	0.00	0.00	28.65	3.85	0.00	0.00
26.10	3.85	0.00	0.00	28.70	3.85	0.00	0.00
26.15	3.85	0.00	0.00	28.75	3.85	0.00	0.00
26.20	3.85	0.00	0.00	28.80	3.85	0.00	0.00
26.25	3.85	0.00	0.00	28.85	3.85	0.00	0.00
26.30	3.85	0.00	0.00	28.90	3.85	0.00	0.00
26.35	3.85	0.00	0.00	28.95	3.85	0.00	0.00
26.40	3.85	0.00	0.00	29.00	3.85	0.00	0.00
26.45	3.85	0.00	0.00	29.05	3.85	0.00	0.00
26.50	3.85	0.00	0.00	29.10	3.85	0.00	0.00
26.55	3.85	0.00	0.00	29.15	3.85	0.00	0.00
26.60	3.85	0.00	0.00	29.20	3.85	0.00	0.00
26.65	3.85	0.00	0.00	29.25	3.85	0.00	0.00
26.70	3.85	0.00	0.00	29.30	3.85	0.00	0.00
26.75	3.85	0.00	0.00	29.35	3.85	0.00	0.00
26.80	3.85	0.00	0.00	29.40	3.85	0.00	0.00
26.85	3.85	0.00	0.00	29.45	3.85	0.00	0.00
26.90	3.85	0.00	0.00	29.50	3.85	0.00	0.00
26.95	3.85	0.00	0.00	29.55	3.85	0.00	0.00
27.00	3.85	0.00	0.00	29.60	3.85	0.00	0.00
27.05	3.85	0.00	0.00	29.65	3.85	0.00	0.00
27.10	3.85	0.00	0.00	29.70	3.85	0.00	0.00
27.15	3.85	0.00	0.00	29.75	3.85	0.00	0.00
27.20	3.85	0.00	0.00	29.80	3.85	0.00	0.00
27.25	3.85	0.00	0.00	29.85	3.85	0.00	0.00
27.30	3.85	0.00	0.00	29.90	3.85	0.00	0.00
27.35	3.85	0.00	0.00	29.95	3.85	0.00	0.00
27.40	3.85	0.00	0.00	30.00	3.85	0.00	0.00
27.45	3.85	0.00	0.00	30.05	3.85	0.00	0.00
27.50	3.85	0.00	0.00	30.10	3.85	0.00	0.00
27.55	3.85	0.00	0.00	30.15	3.85	0.00	0.00
27.60	3.85	0.00	0.00	30.20	3.85	0.00	0.00
27.65	3.85	0.00	0.00	30.25	3.85	0.00	0.00
27.70	3.85	0.00	0.00	30.30	3.85	0.00	0.00
27.75	3.85	0.00	0.00	30.35	3.85	0.00	0.00
27.80	3.85	0.00	0.00	30.40	3.85	0.00	0.00
27.85	3.85	0.00	0.00	30.45	3.85	0.00	0.00
27.90	3.85	0.00	0.00	30.50	3.85	0.00	0.00
27.95	3.85	0.00	0.00	30.55	3.85	0.00	0.00
28.00	3.85	0.00	0.00	30.60	3.85	0.00	0.00
28.05	3.85	0.00	0.00	30.65	3.85	0.00	0.00
28.10	3.85	0.00	0.00	30.70	3.85	0.00	0.00
28.15	3.85	0.00	0.00	30.75	3.85	0.00	0.00
28.20	3.85	0.00	0.00	30.80	3.85	0.00	0.00
28.25	3.85	0.00	0.00	30.85	3.85	0.00	0.00
28.30	3.85	0.00	0.00	30.90	3.85	0.00	0.00
28.35	3.85	0.00	0.00	30.95	3.85	0.00	0.00
28.40	3.85	0.00	0.00	31.00	3.85	0.00	0.00
28.45	3.85	0.00	0.00	31.05	3.85	0.00	0.00
28.50	3.85	0.00	0.00	31.10	3.85	0.00	0.00
28.55	3.85	0.00	0.00	31.15	3.85	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.00	0.00	33.80	3.85	0.00	0.00
31.25	3.85	0.00	0.00	33.85	3.85	0.00	0.00
31.30	3.85	0.00	0.00	33.90	3.85	0.00	0.00
31.35	3.85	0.00	0.00	33.95	3.85	0.00	0.00
31.40	3.85	0.00	0.00	34.00	3.85	0.00	0.00
31.45	3.85	0.00	0.00	34.05	3.85	0.00	0.00
31.50	3.85	0.00	0.00	34.10	3.85	0.00	0.00
31.55	3.85	0.00	0.00	34.15	3.85	0.00	0.00
31.60	3.85	0.00	0.00	34.20	3.85	0.00	0.00
31.65	3.85	0.00	0.00	34.25	3.85	0.00	0.00
31.70	3.85	0.00	0.00	34.30	3.85	0.00	0.00
31.75	3.85	0.00	0.00	34.35	3.85	0.00	0.00
31.80	3.85	0.00	0.00	34.40	3.85	0.00	0.00
31.85	3.85	0.00	0.00	34.45	3.85	0.00	0.00
31.90	3.85	0.00	0.00	34.50	3.85	0.00	0.00
31.95	3.85	0.00	0.00	34.55	3.85	0.00	0.00
32.00	3.85	0.00	0.00	34.60	3.85	0.00	0.00
32.05	3.85	0.00	0.00	34.65	3.85	0.00	0.00
32.10	3.85	0.00	0.00	34.70	3.85	0.00	0.00
32.15	3.85	0.00	0.00	34.75	3.85	0.00	0.00
32.20	3.85	0.00	0.00	34.80	3.85	0.00	0.00
32.25	3.85	0.00	0.00	34.85	3.85	0.00	0.00
32.30	3.85	0.00	0.00	34.90	3.85	0.00	0.00
32.35	3.85	0.00	0.00	34.95	3.85	0.00	0.00
32.40	3.85	0.00	0.00	35.00	3.85	0.00	0.00
32.45	3.85	0.00	0.00	35.05	3.85	0.00	0.00
32.50	3.85	0.00	0.00	35.10	3.85	0.00	0.00
32.55	3.85	0.00	0.00	35.15	3.85	0.00	0.00
32.60	3.85	0.00	0.00	35.20	3.85	0.00	0.00
32.65	3.85	0.00	0.00	35.25	3.85	0.00	0.00
32.70	3.85	0.00	0.00	35.30	3.85	0.00	0.00
32.75	3.85	0.00	0.00	35.35	3.85	0.00	0.00
32.80	3.85	0.00	0.00	35.40	3.85	0.00	0.00
32.85	3.85	0.00	0.00	35.45	3.85	0.00	0.00
32.90	3.85	0.00	0.00	35.50	3.85	0.00	0.00
32.95	3.85	0.00	0.00	35.55	3.85	0.00	0.00
33.00	3.85	0.00	0.00	35.60	3.85	0.00	0.00
33.05	3.85	0.00	0.00	35.65	3.85	0.00	0.00
33.10	3.85	0.00	0.00	35.70	3.85	0.00	0.00
33.15	3.85	0.00	0.00	35.75	3.85	0.00	0.00
33.20	3.85	0.00	0.00	35.80	3.85	0.00	0.00
33.25	3.85	0.00	0.00	35.85	3.85	0.00	0.00
33.30	3.85	0.00	0.00	35.90	3.85	0.00	0.00
33.35	3.85	0.00	0.00	35.95	3.85	0.00	0.00
33.40	3.85	0.00	0.00	36.00	3.85	0.00	0.00
33.45	3.85	0.00	0.00	36.05	3.85	0.00	0.00
33.50	3.85	0.00	0.00	36.10	3.85	0.00	0.00
33.55	3.85	0.00	0.00	36.15	3.85	0.00	0.00
33.60	3.85	0.00	0.00	36.20	3.85	0.00	0.00
33.65	3.85	0.00	0.00	36.25	3.85	0.00	0.00
33.70	3.85	0.00	0.00	36.30	3.85	0.00	0.00
33.75	3.85	0.00	0.00	36.35	3.85	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.00	0.00
36.45	3.85	0.00	0.00
36.50	3.85	0.00	0.00
36.55	3.85	0.00	0.00
36.60	3.85	0.00	0.00
36.65	3.85	0.00	0.00
36.70	3.85	0.00	0.00
36.75	3.85	0.00	0.00
36.80	3.85	0.00	0.00
36.85	3.85	0.00	0.00
36.90	3.85	0.00	0.00
36.95	3.85	0.00	0.00
37.00	3.85	0.00	0.00
37.05	3.85	0.00	0.00
37.10	3.85	0.00	0.00
37.15	3.85	0.00	0.00
37.20	3.85	0.00	0.00
37.25	3.85	0.00	0.00
37.30	3.85	0.00	0.00
37.35	3.85	0.00	0.00
37.40	3.85	0.00	0.00
37.45	3.85	0.00	0.00
37.50	3.85	0.00	0.00
37.55	3.85	0.00	0.00
37.60	3.85	0.00	0.00
37.65	3.85	0.00	0.00
37.70	3.85	0.00	0.00
37.75	3.85	0.00	0.00
37.80	3.85	0.00	0.00
37.85	3.85	0.00	0.00
37.90	3.85	0.00	0.00
37.95	3.85	0.00	0.00
38.00	3.85	0.00	0.00
38.05	3.85	0.00	0.00
38.10	3.85	0.00	0.00
38.15	3.85	0.00	0.00
38.20	3.85	0.00	0.00
38.25	3.85	0.00	0.00
38.30	3.85	0.00	0.00
38.35	3.85	0.00	0.00
38.40	3.85	0.00	0.00
38.45	3.85	0.00	0.00
38.50	3.85	0.00	0.00
38.55	3.85	0.00	0.00
38.60	3.85	0.00	0.00
38.65	3.85	0.00	0.00
38.70	3.85	0.00	0.00
38.75	3.85	0.00	0.00
38.80	3.85	0.00	0.00
38.85	3.85	0.00	0.00
38.90	3.85	0.00	0.00
38.95	3.85	0.00	0.00
39.00	3.85	0.00	0.00
39.05	3.85	0.00	0.00
39.10	3.85	0.00	0.00
39.15	3.85	0.00	0.00
39.20	3.85	0.00	0.00
39.25	3.85	0.00	0.00
39.30	3.85	0.00	0.00
39.35	3.85	0.00	0.00
39.40	3.85	0.00	0.00
39.45	3.85	0.00	0.00
39.50	3.85	0.00	0.00
39.55	3.85	0.00	0.00
39.60	3.85	0.00	0.00
39.65	3.85	0.00	0.00
39.70	3.85	0.00	0.00
39.75	3.85	0.00	0.00
39.80	3.85	0.00	0.00
39.85	3.85	0.00	0.00
39.90	3.85	0.00	0.00
39.95	3.85	0.00	0.00
40.00	3.85	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

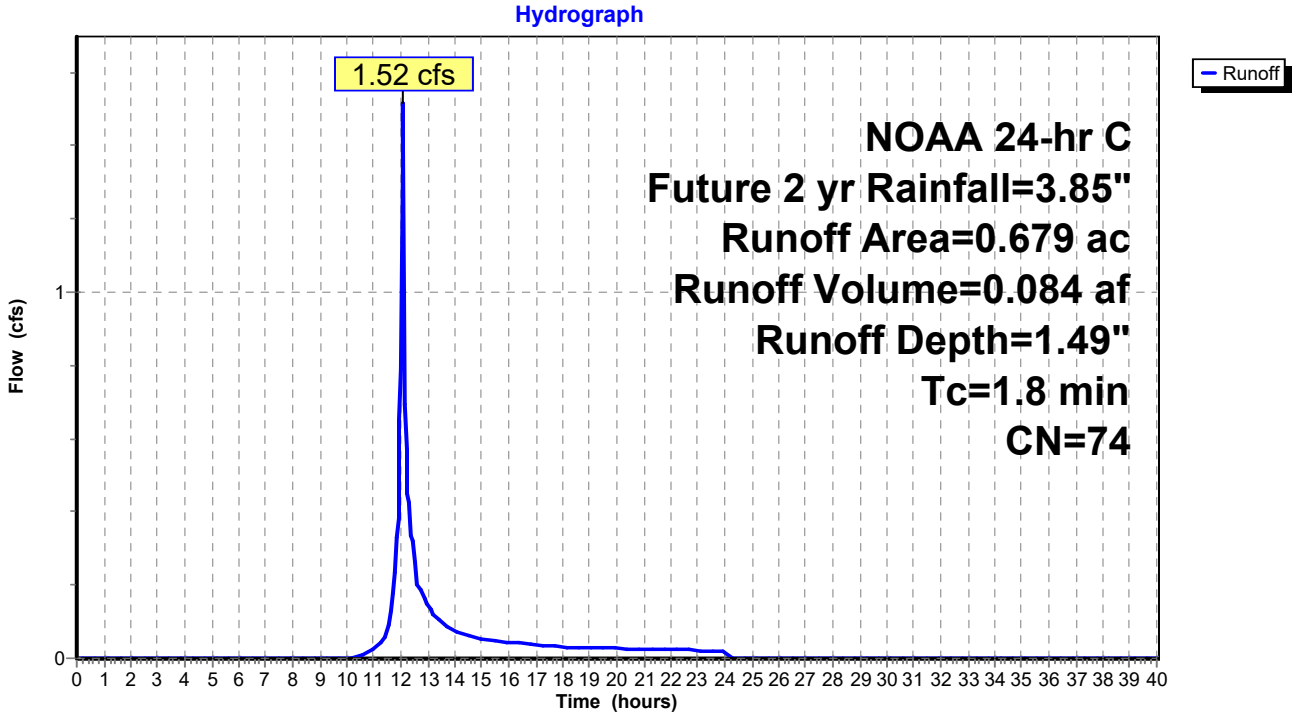
Runoff = 1.52 cfs @ 12.08 hrs, Volume= 0.084 af, Depth= 1.49"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.15
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.13
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.13
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.12
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.12
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.11
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.11
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.11
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.10
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.10
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.09
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.09
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.09
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.08
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.08
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.08
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.08
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.08
11.30	1.04	0.03	0.05	13.90	3.13	0.99	0.08
11.35	1.06	0.03	0.05	13.95	3.14	1.00	0.08
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.08
11.45	1.11	0.04	0.07	14.05	3.16	1.01	0.07
11.50	1.14	0.05	0.07	14.10	3.16	1.01	0.07
11.55	1.18	0.06	0.11	14.15	3.17	1.02	0.07
11.60	1.22	0.07	0.12	14.20	3.18	1.02	0.07
11.65	1.26	0.08	0.14	14.25	3.19	1.03	0.07
11.70	1.30	0.09	0.15	14.30	3.20	1.03	0.07
11.75	1.35	0.10	0.21	14.35	3.20	1.04	0.07
11.80	1.41	0.12	0.23	14.40	3.21	1.04	0.07
11.85	1.49	0.14	0.33	14.45	3.22	1.05	0.06
11.90	1.57	0.17	0.39	14.50	3.23	1.05	0.06
11.95	1.70	0.22	0.65	14.55	3.23	1.06	0.06
12.00	1.83	0.28	0.79	14.60	3.24	1.06	0.06
12.05	2.06	0.38	1.33	14.65	3.25	1.07	0.06
12.10	2.28	0.49	**1.46**	14.70	3.25	1.07	0.06
12.15	2.36	0.53	0.69	14.75	3.26	1.08	0.06
12.20	2.44	0.57	0.57	14.80	3.26	1.08	0.06
12.25	2.50	0.61	0.45	14.85	3.27	1.08	0.05
12.30	2.55	0.64	0.43	14.90	3.28	1.09	0.05
12.35	2.59	0.66	0.34	14.95	3.28	1.09	0.05
12.40	2.63	0.69	0.32	15.00	3.29	1.10	0.05
12.45	2.67	0.71	0.31	15.05	3.29	1.10	0.05
12.50	2.71	0.73	0.31	15.10	3.30	1.10	0.05
12.55	2.74	0.75	0.22	15.15	3.30	1.11	0.05
12.60	2.76	0.76	0.21	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.20	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.19	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.18	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.18	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.17	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.16	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.15	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.05	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.05	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.04	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.04	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.04	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.04	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.04	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.04	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.04	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.04	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.04	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.04	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.04	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.04	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.03	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.03	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.03	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.03	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.03	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.03	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.03	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.03	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.02	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.02	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.02	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.02	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.02	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.02	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.02	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.02	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.02	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.02	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.02	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.02	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

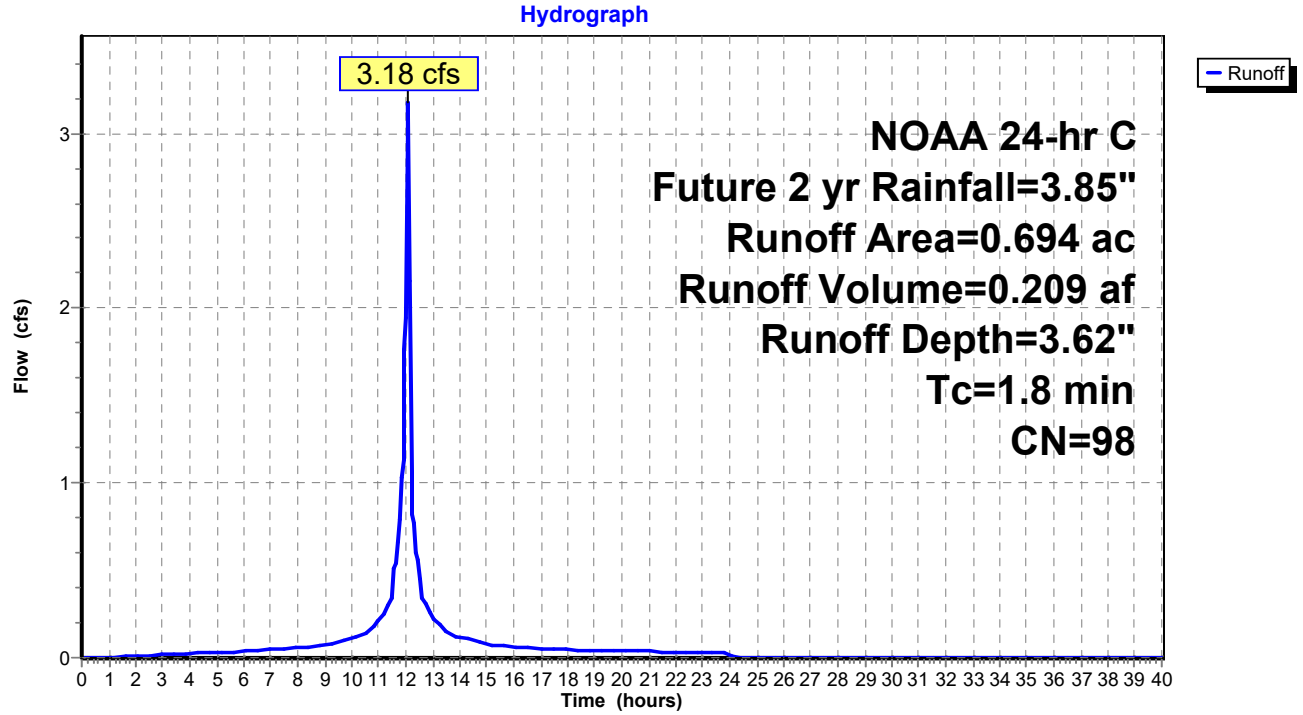
Runoff = 3.18 cfs @ 12.08 hrs, Volume= 0.209 af, Depth= 3.62"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.03	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.03	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.06
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.06
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.06
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.06
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.06
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.07
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.08
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.08
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.08
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.09
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.09
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.09
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.09
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.09
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.10
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.10
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.10
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.10
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.10
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.11
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.11
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.11
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.11
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.11
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.12
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.12
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.12
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.12
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.13

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.13	13.00	2.93	2.69	0.24
10.45	0.78	0.58	0.13	13.05	2.94	2.71	0.22
10.50	0.79	0.59	0.13	13.10	2.96	2.73	0.21
10.55	0.80	0.60	0.14	13.15	2.97	2.74	0.20
10.60	0.82	0.61	0.15	13.20	2.98	2.75	0.20
10.65	0.83	0.62	0.16	13.25	3.00	2.77	0.18
10.70	0.84	0.64	0.16	13.30	3.01	2.78	0.18
10.75	0.85	0.65	0.17	13.35	3.02	2.79	0.17
10.80	0.87	0.66	0.18	13.40	3.03	2.80	0.17
10.85	0.88	0.67	0.19	13.45	3.05	2.81	0.15
10.90	0.89	0.69	0.19	13.50	3.06	2.82	0.15
10.95	0.91	0.70	0.20	13.55	3.07	2.83	0.14
11.00	0.92	0.72	0.21	13.60	3.08	2.84	0.14
11.05	0.94	0.73	0.23	13.65	3.09	2.85	0.13
11.10	0.96	0.75	0.24	13.70	3.09	2.86	0.13
11.15	0.98	0.77	0.26	13.75	3.10	2.87	0.13
11.20	1.00	0.79	0.26	13.80	3.11	2.88	0.13
11.25	1.02	0.81	0.29	13.85	3.12	2.89	0.12
11.30	1.04	0.83	0.29	13.90	3.13	2.90	0.12
11.35	1.06	0.85	0.32	13.95	3.14	2.91	0.12
11.40	1.09	0.88	0.32	14.00	3.15	2.92	0.12
11.45	1.11	0.90	0.34	14.05	3.16	2.92	0.12
11.50	1.14	0.92	0.36	14.10	3.16	2.93	0.12
11.55	1.18	0.96	0.51	14.15	3.17	2.94	0.11
11.60	1.22	1.00	0.53	14.20	3.18	2.95	0.11
11.65	1.26	1.04	0.56	14.25	3.19	2.96	0.11
11.70	1.30	1.08	0.58	14.30	3.20	2.96	0.11
11.75	1.35	1.14	0.75	14.35	3.20	2.97	0.10
11.80	1.41	1.19	0.79	14.40	3.21	2.98	0.10
11.85	1.49	1.27	1.04	14.45	3.22	2.99	0.10
11.90	1.57	1.34	1.13	14.50	3.23	2.99	0.10
11.95	1.70	1.48	1.76	14.55	3.23	3.00	0.10
12.00	1.83	1.61	1.95	14.60	3.24	3.01	0.10
12.05	2.06	1.83	2.96	14.65	3.25	3.01	0.09
12.10	2.28	2.06	**2.98**	14.70	3.25	3.02	0.09
12.15	2.36	2.13	1.34	14.75	3.26	3.03	0.09
12.20	2.44	2.21	1.07	14.80	3.26	3.03	0.09
12.25	2.50	2.27	0.82	14.85	3.27	3.04	0.08
12.30	2.55	2.32	0.77	14.90	3.28	3.04	0.08
12.35	2.59	2.36	0.60	14.95	3.28	3.05	0.08
12.40	2.63	2.40	0.57	15.00	3.29	3.05	0.08
12.45	2.67	2.44	0.55	15.05	3.29	3.06	0.08
12.50	2.71	2.48	0.53	15.10	3.30	3.07	0.08
12.55	2.74	2.51	0.37	15.15	3.30	3.07	0.07
12.60	2.76	2.53	0.35	15.20	3.31	3.08	0.07
12.65	2.79	2.56	0.33	15.25	3.31	3.08	0.07
12.70	2.81	2.58	0.33	15.30	3.32	3.09	0.07
12.75	2.83	2.60	0.30	15.35	3.32	3.09	0.07
12.80	2.85	2.62	0.30	15.40	3.33	3.10	0.07
12.85	2.87	2.64	0.27	15.45	3.34	3.10	0.07
12.90	2.89	2.66	0.27	15.50	3.34	3.11	0.07
12.95	2.91	2.68	0.25	15.55	3.35	3.11	0.07

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.07	18.20	3.56	3.32	0.04
15.65	3.36	3.12	0.07	18.25	3.56	3.33	0.04
15.70	3.36	3.13	0.07	18.30	3.56	3.33	0.04
15.75	3.36	3.13	0.07	18.35	3.57	3.33	0.04
15.80	3.37	3.14	0.07	18.40	3.57	3.34	0.04
15.85	3.37	3.14	0.07	18.45	3.57	3.34	0.04
15.90	3.38	3.15	0.07	18.50	3.58	3.34	0.04
15.95	3.38	3.15	0.07	18.55	3.58	3.34	0.04
16.00	3.39	3.16	0.07	18.60	3.58	3.35	0.04
16.05	3.39	3.16	0.06	18.65	3.58	3.35	0.04
16.10	3.40	3.16	0.06	18.70	3.59	3.35	0.04
16.15	3.40	3.17	0.06	18.75	3.59	3.36	0.04
16.20	3.41	3.17	0.06	18.80	3.59	3.36	0.04
16.25	3.41	3.18	0.06	18.85	3.60	3.36	0.04
16.30	3.42	3.18	0.06	18.90	3.60	3.37	0.04
16.35	3.42	3.19	0.06	18.95	3.60	3.37	0.04
16.40	3.42	3.19	0.06	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.06	19.05	3.61	3.37	0.04
16.50	3.43	3.20	0.06	19.10	3.61	3.38	0.04
16.55	3.44	3.20	0.06	19.15	3.61	3.38	0.04
16.60	3.44	3.21	0.06	19.20	3.62	3.38	0.04
16.65	3.45	3.21	0.06	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.06	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.06	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.05	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.05	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.05	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.05	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.05	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.05	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.05	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.05	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.05	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.05	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.05	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.04	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.04	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.04	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.04	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.04	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.03	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.03	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.03	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.03	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.03	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.03	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.03	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.03	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.03	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.03	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.03	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.03	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.03	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.03	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.03	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.03	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.03	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.03	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.03	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

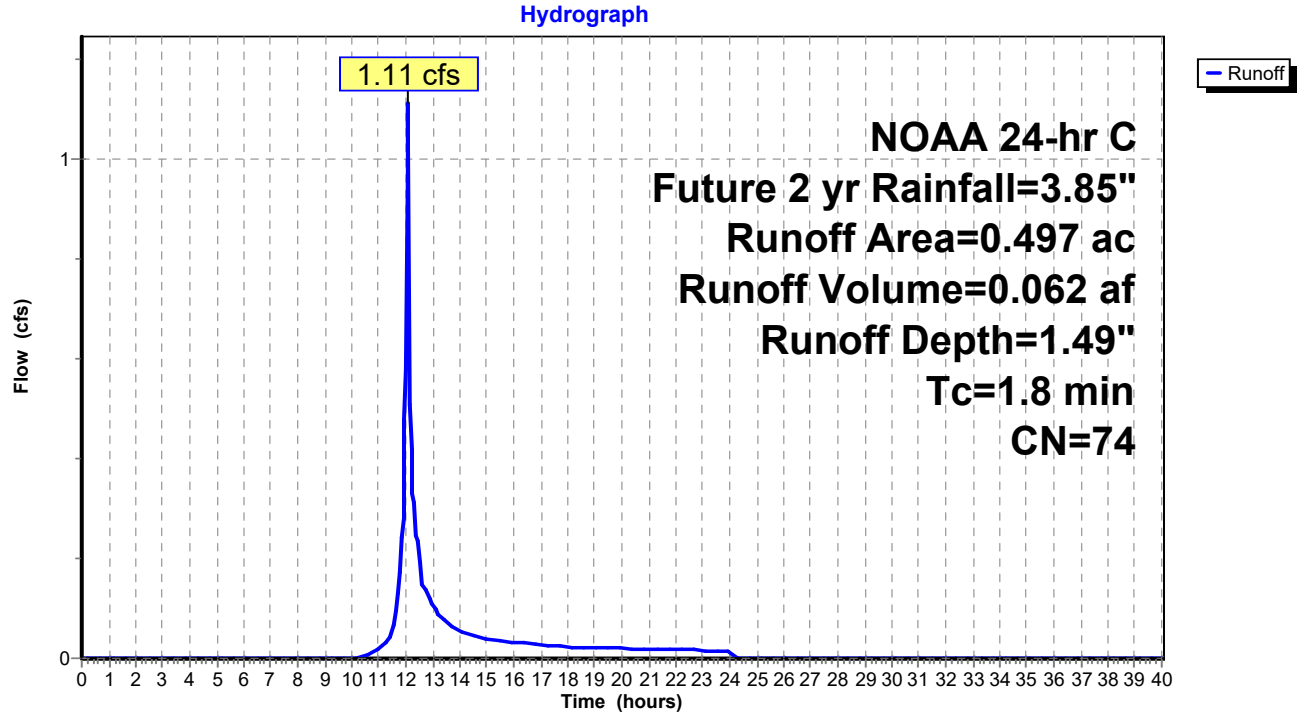
Runoff = 1.11 cfs @ 12.08 hrs, Volume= 0.062 af, Depth= 1.49"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.11
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.10
10.50	0.79	0.00	0.00	13.10	2.96	0.88	0.10
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.09
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.09
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.08
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.08
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.08
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.08
10.85	0.88	0.01	0.01	13.45	3.05	0.94	0.07
10.90	0.89	0.01	0.01	13.50	3.06	0.94	0.07
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.06
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.06
11.05	0.94	0.02	0.02	13.65	3.09	0.96	0.06
11.10	0.96	0.02	0.02	13.70	3.09	0.97	0.06
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.06
11.20	1.00	0.02	0.03	13.80	3.11	0.98	0.06
11.25	1.02	0.03	0.03	13.85	3.12	0.99	0.06
11.30	1.04	0.03	0.04	13.90	3.13	0.99	0.06
11.35	1.06	0.03	0.04	13.95	3.14	1.00	0.06
11.40	1.09	0.04	0.04	14.00	3.15	1.00	0.06
11.45	1.11	0.04	0.05	14.05	3.16	1.01	0.05
11.50	1.14	0.05	0.05	14.10	3.16	1.01	0.05
11.55	1.18	0.06	0.08	14.15	3.17	1.02	0.05
11.60	1.22	0.07	0.09	14.20	3.18	1.02	0.05
11.65	1.26	0.08	0.10	14.25	3.19	1.03	0.05
11.70	1.30	0.09	0.11	14.30	3.20	1.03	0.05
11.75	1.35	0.10	0.15	14.35	3.20	1.04	0.05
11.80	1.41	0.12	0.17	14.40	3.21	1.04	0.05
11.85	1.49	0.14	0.24	14.45	3.22	1.05	0.05
11.90	1.57	0.17	0.28	14.50	3.23	1.05	0.05
11.95	1.70	0.22	0.48	14.55	3.23	1.06	0.05
12.00	1.83	0.28	0.58	14.60	3.24	1.06	0.05
12.05	2.06	0.38	0.97	14.65	3.25	1.07	0.04
12.10	2.28	0.49	**1.07**	14.70	3.25	1.07	0.04
12.15	2.36	0.53	0.51	14.75	3.26	1.08	0.04
12.20	2.44	0.57	0.42	14.80	3.26	1.08	0.04
12.25	2.50	0.61	0.33	14.85	3.27	1.08	0.04
12.30	2.55	0.64	0.31	14.90	3.28	1.09	0.04
12.35	2.59	0.66	0.25	14.95	3.28	1.09	0.04
12.40	2.63	0.69	0.24	15.00	3.29	1.10	0.04
12.45	2.67	0.71	0.23	15.05	3.29	1.10	0.04
12.50	2.71	0.73	0.23	15.10	3.30	1.10	0.04
12.55	2.74	0.75	0.16	15.15	3.30	1.11	0.04
12.60	2.76	0.76	0.15	15.20	3.31	1.11	0.04
12.65	2.79	0.78	0.14	15.25	3.31	1.11	0.04
12.70	2.81	0.79	0.14	15.30	3.32	1.12	0.04
12.75	2.83	0.80	0.13	15.35	3.32	1.12	0.03
12.80	2.85	0.82	0.13	15.40	3.33	1.12	0.03
12.85	2.87	0.83	0.12	15.45	3.34	1.13	0.03
12.90	2.89	0.84	0.12	15.50	3.34	1.13	0.03
12.95	2.91	0.85	0.11	15.55	3.35	1.13	0.03

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.03	18.20	3.56	1.28	0.02
15.65	3.36	1.14	0.03	18.25	3.56	1.28	0.02
15.70	3.36	1.14	0.03	18.30	3.56	1.28	0.02
15.75	3.36	1.15	0.03	18.35	3.57	1.29	0.02
15.80	3.37	1.15	0.03	18.40	3.57	1.29	0.02
15.85	3.37	1.15	0.03	18.45	3.57	1.29	0.02
15.90	3.38	1.16	0.03	18.50	3.58	1.29	0.02
15.95	3.38	1.16	0.03	18.55	3.58	1.29	0.02
16.00	3.39	1.16	0.03	18.60	3.58	1.30	0.02
16.05	3.39	1.17	0.03	18.65	3.58	1.30	0.02
16.10	3.40	1.17	0.03	18.70	3.59	1.30	0.02
16.15	3.40	1.17	0.03	18.75	3.59	1.30	0.02
16.20	3.41	1.18	0.03	18.80	3.59	1.30	0.02
16.25	3.41	1.18	0.03	18.85	3.60	1.31	0.02
16.30	3.42	1.18	0.03	18.90	3.60	1.31	0.02
16.35	3.42	1.19	0.03	18.95	3.60	1.31	0.02
16.40	3.42	1.19	0.03	19.00	3.61	1.31	0.02
16.45	3.43	1.19	0.03	19.05	3.61	1.32	0.02
16.50	3.43	1.19	0.03	19.10	3.61	1.32	0.02
16.55	3.44	1.20	0.03	19.15	3.61	1.32	0.02
16.60	3.44	1.20	0.03	19.20	3.62	1.32	0.02
16.65	3.45	1.20	0.03	19.25	3.62	1.32	0.02
16.70	3.45	1.21	0.03	19.30	3.62	1.33	0.02
16.75	3.45	1.21	0.03	19.35	3.63	1.33	0.02
16.80	3.46	1.21	0.03	19.40	3.63	1.33	0.02
16.85	3.46	1.21	0.03	19.45	3.63	1.33	0.02
16.90	3.47	1.22	0.03	19.50	3.63	1.33	0.02
16.95	3.47	1.22	0.03	19.55	3.64	1.34	0.02
17.00	3.47	1.22	0.03	19.60	3.64	1.34	0.02
17.05	3.48	1.22	0.03	19.65	3.64	1.34	0.02
17.10	3.48	1.23	0.03	19.70	3.65	1.34	0.02
17.15	3.49	1.23	0.03	19.75	3.65	1.34	0.02
17.20	3.49	1.23	0.03	19.80	3.65	1.34	0.02
17.25	3.49	1.24	0.03	19.85	3.65	1.35	0.02
17.30	3.50	1.24	0.03	19.90	3.66	1.35	0.02
17.35	3.50	1.24	0.03	19.95	3.66	1.35	0.02
17.40	3.50	1.24	0.03	20.00	3.66	1.35	0.02
17.45	3.51	1.25	0.02	20.05	3.66	1.35	0.02
17.50	3.51	1.25	0.02	20.10	3.67	1.36	0.02
17.55	3.52	1.25	0.02	20.15	3.67	1.36	0.02
17.60	3.52	1.25	0.02	20.20	3.67	1.36	0.02
17.65	3.52	1.26	0.02	20.25	3.68	1.36	0.02
17.70	3.53	1.26	0.02	20.30	3.68	1.36	0.02
17.75	3.53	1.26	0.02	20.35	3.68	1.37	0.02
17.80	3.53	1.26	0.02	20.40	3.68	1.37	0.02
17.85	3.54	1.26	0.02	20.45	3.69	1.37	0.02
17.90	3.54	1.27	0.02	20.50	3.69	1.37	0.02
17.95	3.54	1.27	0.02	20.55	3.69	1.37	0.02
18.00	3.54	1.27	0.02	20.60	3.69	1.38	0.02
18.05	3.55	1.27	0.02	20.65	3.70	1.38	0.02
18.10	3.55	1.28	0.02	20.70	3.70	1.38	0.02
18.15	3.55	1.28	0.02	20.75	3.70	1.38	0.02

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.02	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.02	23.45	3.83	1.47	0.01
20.90	3.71	1.39	0.02	23.50	3.83	1.47	0.01
20.95	3.71	1.39	0.02	23.55	3.83	1.47	0.01
21.00	3.71	1.39	0.02	23.60	3.83	1.47	0.01
21.05	3.72	1.39	0.02	23.65	3.84	1.48	0.01
21.10	3.72	1.39	0.02	23.70	3.84	1.48	0.01
21.15	3.72	1.40	0.02	23.75	3.84	1.48	0.01
21.20	3.72	1.40	0.02	23.80	3.84	1.48	0.01
21.25	3.73	1.40	0.02	23.85	3.84	1.48	0.01
21.30	3.73	1.40	0.02	23.90	3.85	1.48	0.01
21.35	3.73	1.40	0.02	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.02	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

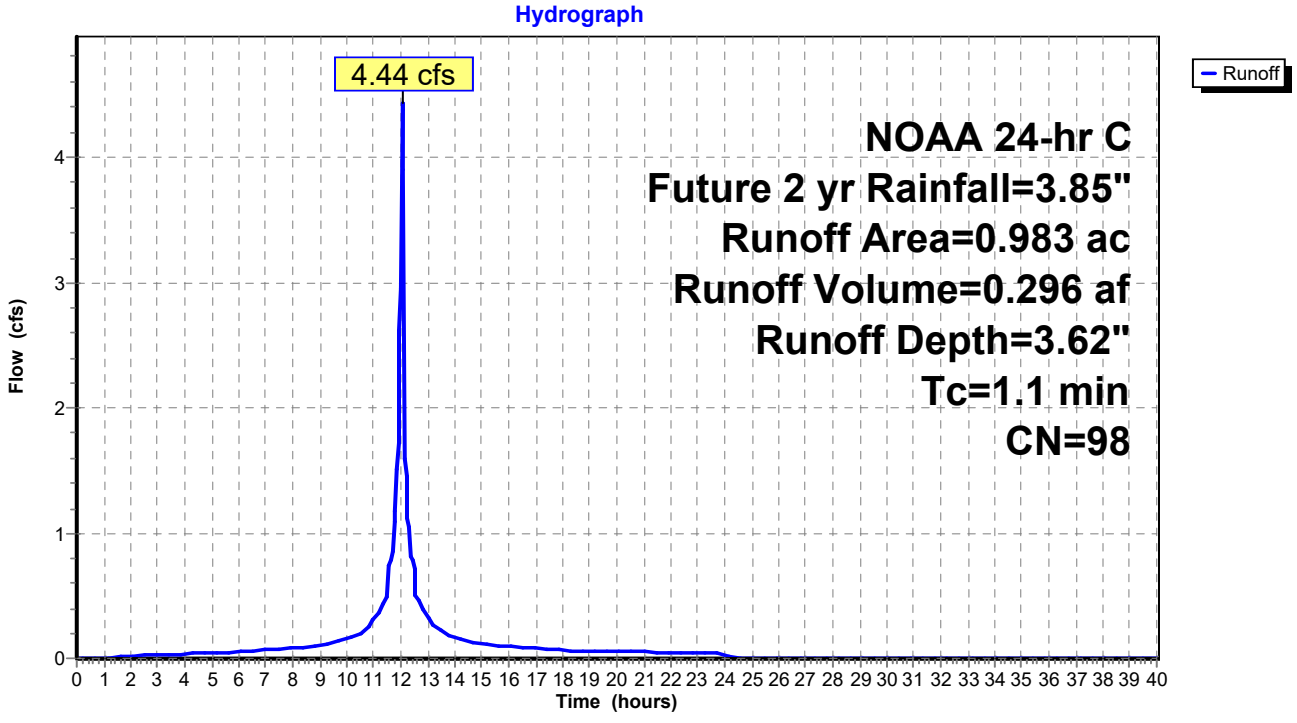
Runoff = 4.44 cfs @ 12.06 hrs, Volume= 0.296 af, Depth= 3.62"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.03
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.03
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.03
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.03
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.04
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.04
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.04
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.04
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.04
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.04
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.04
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.04
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.04
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.04
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.04
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.04
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.04
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.04
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.08
5.25	0.26	0.11	0.05	7.85	0.45	0.27	0.08
5.30	0.26	0.12	0.05	7.90	0.45	0.27	0.08
5.35	0.27	0.12	0.05	7.95	0.46	0.28	0.08
5.40	0.27	0.12	0.05	8.00	0.46	0.28	0.08
5.45	0.27	0.12	0.05	8.05	0.47	0.29	0.08
5.50	0.27	0.12	0.05	8.10	0.47	0.29	0.08
5.55	0.28	0.13	0.05	8.15	0.48	0.30	0.09
5.60	0.28	0.13	0.05	8.20	0.48	0.30	0.09
5.65	0.28	0.13	0.05	8.25	0.49	0.30	0.09
5.70	0.29	0.13	0.05	8.30	0.49	0.31	0.09
5.75	0.29	0.14	0.05	8.35	0.49	0.31	0.09
5.80	0.29	0.14	0.05	8.40	0.50	0.32	0.09
5.85	0.30	0.14	0.05	8.45	0.50	0.32	0.09
5.90	0.30	0.14	0.05	8.50	0.51	0.33	0.09
5.95	0.30	0.15	0.05	8.55	0.51	0.33	0.09
6.00	0.31	0.15	0.05	8.60	0.52	0.34	0.09
6.05	0.31	0.15	0.05	8.65	0.53	0.34	0.09
6.10	0.31	0.15	0.05	8.70	0.53	0.35	0.09
6.15	0.31	0.16	0.05	8.75	0.54	0.35	0.09
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.10
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.10
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.10
6.35	0.33	0.17	0.06	8.95	0.56	0.37	0.10
6.40	0.33	0.17	0.06	9.00	0.56	0.37	0.10
6.45	0.33	0.17	0.06	9.05	0.57	0.38	0.10
6.50	0.34	0.18	0.06	9.10	0.57	0.39	0.10
6.55	0.34	0.18	0.06	9.15	0.58	0.39	0.11
6.60	0.35	0.18	0.06	9.20	0.59	0.40	0.11
6.65	0.35	0.19	0.06	9.25	0.59	0.40	0.12
6.70	0.35	0.19	0.06	9.30	0.60	0.41	0.12
6.75	0.36	0.19	0.06	9.35	0.60	0.41	0.12
6.80	0.36	0.19	0.06	9.40	0.61	0.42	0.12
6.85	0.36	0.20	0.06	9.45	0.62	0.43	0.13
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.13
6.95	0.37	0.20	0.07	9.55	0.63	0.44	0.13
7.00	0.38	0.21	0.07	9.60	0.64	0.45	0.13
7.05	0.38	0.21	0.07	9.65	0.65	0.45	0.14
7.10	0.38	0.21	0.07	9.70	0.65	0.46	0.14
7.15	0.39	0.22	0.07	9.75	0.66	0.47	0.14
7.20	0.39	0.22	0.07	9.80	0.67	0.47	0.14
7.25	0.40	0.23	0.07	9.85	0.68	0.48	0.15
7.30	0.40	0.23	0.07	9.90	0.69	0.49	0.15
7.35	0.40	0.23	0.07	9.95	0.69	0.50	0.15
7.40	0.41	0.24	0.07	10.00	0.70	0.51	0.16
7.45	0.41	0.24	0.07	10.05	0.71	0.51	0.16
7.50	0.42	0.24	0.07	10.10	0.72	0.52	0.16
7.55	0.42	0.25	0.07	10.15	0.73	0.53	0.17
7.60	0.43	0.25	0.08	10.20	0.74	0.54	0.17
7.65	0.43	0.25	0.08	10.25	0.75	0.55	0.17
7.70	0.43	0.26	0.08	10.30	0.76	0.56	0.17
7.75	0.44	0.26	0.08	10.35	0.76	0.56	0.18

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.18	13.00	2.93	2.69	0.33
10.45	0.78	0.58	0.18	13.05	2.94	2.71	0.30
10.50	0.79	0.59	0.19	13.10	2.96	2.73	0.30
10.55	0.80	0.60	0.20	13.15	2.97	2.74	0.28
10.60	0.82	0.61	0.21	13.20	2.98	2.75	0.28
10.65	0.83	0.62	0.23	13.25	3.00	2.77	0.26
10.70	0.84	0.64	0.23	13.30	3.01	2.78	0.25
10.75	0.85	0.65	0.25	13.35	3.02	2.79	0.24
10.80	0.87	0.66	0.25	13.40	3.03	2.80	0.23
10.85	0.88	0.67	0.27	13.45	3.05	2.81	0.21
10.90	0.89	0.69	0.27	13.50	3.06	2.82	0.21
10.95	0.91	0.70	0.29	13.55	3.07	2.83	0.19
11.00	0.92	0.72	0.30	13.60	3.08	2.84	0.19
11.05	0.94	0.73	0.33	13.65	3.09	2.85	0.19
11.10	0.96	0.75	0.34	13.70	3.09	2.86	0.19
11.15	0.98	0.77	0.37	13.75	3.10	2.87	0.18
11.20	1.00	0.79	0.38	13.80	3.11	2.88	0.18
11.25	1.02	0.81	0.41	13.85	3.12	2.89	0.18
11.30	1.04	0.83	0.42	13.90	3.13	2.90	0.17
11.35	1.06	0.85	0.45	13.95	3.14	2.91	0.17
11.40	1.09	0.88	0.46	14.00	3.15	2.92	0.17
11.45	1.11	0.90	0.48	14.05	3.16	2.92	0.16
11.50	1.14	0.92	0.53	14.10	3.16	2.93	0.16
11.55	1.18	0.96	0.75	14.15	3.17	2.94	0.16
11.60	1.22	1.00	0.76	14.20	3.18	2.95	0.16
11.65	1.26	1.04	0.79	14.25	3.19	2.96	0.15
11.70	1.30	1.08	0.85	14.30	3.20	2.96	0.15
11.75	1.35	1.14	1.09	14.35	3.20	2.97	0.15
11.80	1.41	1.19	1.17	14.40	3.21	2.98	0.15
11.85	1.49	1.27	1.51	14.45	3.22	2.99	0.14
11.90	1.57	1.34	1.72	14.50	3.23	2.99	0.14
11.95	1.70	1.48	2.61	14.55	3.23	3.00	0.14
12.00	1.83	1.61	2.96	14.60	3.24	3.01	0.13
12.05	2.06	1.83	**4.38**	14.65	3.25	3.01	0.13
12.10	2.28	2.06	3.90	14.70	3.25	3.02	0.13
12.15	2.36	2.13	1.59	14.75	3.26	3.03	0.12
12.20	2.44	2.21	1.46	14.80	3.26	3.03	0.12
12.25	2.50	2.27	1.12	14.85	3.27	3.04	0.12
12.30	2.55	2.32	1.05	14.90	3.28	3.04	0.12
12.35	2.59	2.36	0.81	14.95	3.28	3.05	0.11
12.40	2.63	2.40	0.80	15.00	3.29	3.05	0.11
12.45	2.67	2.44	0.77	15.05	3.29	3.06	0.11
12.50	2.71	2.48	0.72	15.10	3.30	3.07	0.11
12.55	2.74	2.51	0.50	15.15	3.30	3.07	0.10
12.60	2.76	2.53	0.49	15.20	3.31	3.08	0.10
12.65	2.79	2.56	0.47	15.25	3.31	3.08	0.10
12.70	2.81	2.58	0.46	15.30	3.32	3.09	0.10
12.75	2.83	2.60	0.42	15.35	3.32	3.09	0.10
12.80	2.85	2.62	0.42	15.40	3.33	3.10	0.10
12.85	2.87	2.64	0.38	15.45	3.34	3.10	0.10
12.90	2.89	2.66	0.38	15.50	3.34	3.11	0.10
12.95	2.91	2.68	0.34	15.55	3.35	3.11	0.10

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.10	18.20	3.56	3.32	0.06
15.65	3.36	3.12	0.10	18.25	3.56	3.33	0.06
15.70	3.36	3.13	0.10	18.30	3.56	3.33	0.06
15.75	3.36	3.13	0.10	18.35	3.57	3.33	0.06
15.80	3.37	3.14	0.10	18.40	3.57	3.34	0.06
15.85	3.37	3.14	0.09	18.45	3.57	3.34	0.06
15.90	3.38	3.15	0.09	18.50	3.58	3.34	0.06
15.95	3.38	3.15	0.09	18.55	3.58	3.34	0.06
16.00	3.39	3.16	0.09	18.60	3.58	3.35	0.06
16.05	3.39	3.16	0.09	18.65	3.58	3.35	0.06
16.10	3.40	3.16	0.09	18.70	3.59	3.35	0.06
16.15	3.40	3.17	0.09	18.75	3.59	3.36	0.06
16.20	3.41	3.17	0.09	18.80	3.59	3.36	0.06
16.25	3.41	3.18	0.09	18.85	3.60	3.36	0.06
16.30	3.42	3.18	0.09	18.90	3.60	3.37	0.06
16.35	3.42	3.19	0.09	18.95	3.60	3.37	0.06
16.40	3.42	3.19	0.09	19.00	3.61	3.37	0.06
16.45	3.43	3.20	0.09	19.05	3.61	3.37	0.06
16.50	3.43	3.20	0.08	19.10	3.61	3.38	0.06
16.55	3.44	3.20	0.08	19.15	3.61	3.38	0.06
16.60	3.44	3.21	0.08	19.20	3.62	3.38	0.06
16.65	3.45	3.21	0.08	19.25	3.62	3.39	0.06
16.70	3.45	3.22	0.08	19.30	3.62	3.39	0.06
16.75	3.45	3.22	0.08	19.35	3.63	3.39	0.06
16.80	3.46	3.23	0.08	19.40	3.63	3.39	0.06
16.85	3.46	3.23	0.08	19.45	3.63	3.40	0.06
16.90	3.47	3.23	0.08	19.50	3.63	3.40	0.06
16.95	3.47	3.24	0.08	19.55	3.64	3.40	0.06
17.00	3.47	3.24	0.08	19.60	3.64	3.41	0.06
17.05	3.48	3.24	0.08	19.65	3.64	3.41	0.06
17.10	3.48	3.25	0.08	19.70	3.65	3.41	0.06
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.06
17.20	3.49	3.26	0.07	19.80	3.65	3.42	0.06
17.25	3.49	3.26	0.07	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.07	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.07	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.07	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.07	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.07	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.07	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.07	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.07	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.07	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.07	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.07	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.06	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.06	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.06	20.65	3.70	3.46	0.05
18.10	3.55	3.32	0.06	20.70	3.70	3.46	0.05
18.15	3.55	3.32	0.06	20.75	3.70	3.47	0.05

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.05	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.05	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.05	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.05	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.05	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.05	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.05	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.05	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.05	23.80	3.84	3.61	0.04
21.25	3.73	3.49	0.05	23.85	3.84	3.61	0.04
21.30	3.73	3.50	0.05	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.05	23.95	3.85	3.61	0.05
21.40	3.73	3.50	0.05	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.05	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.05	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.05	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.05	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.05	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.05	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.05	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.05	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.05	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.05	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.05	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.05	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.05	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.05	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.05	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.05	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.05	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.05	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

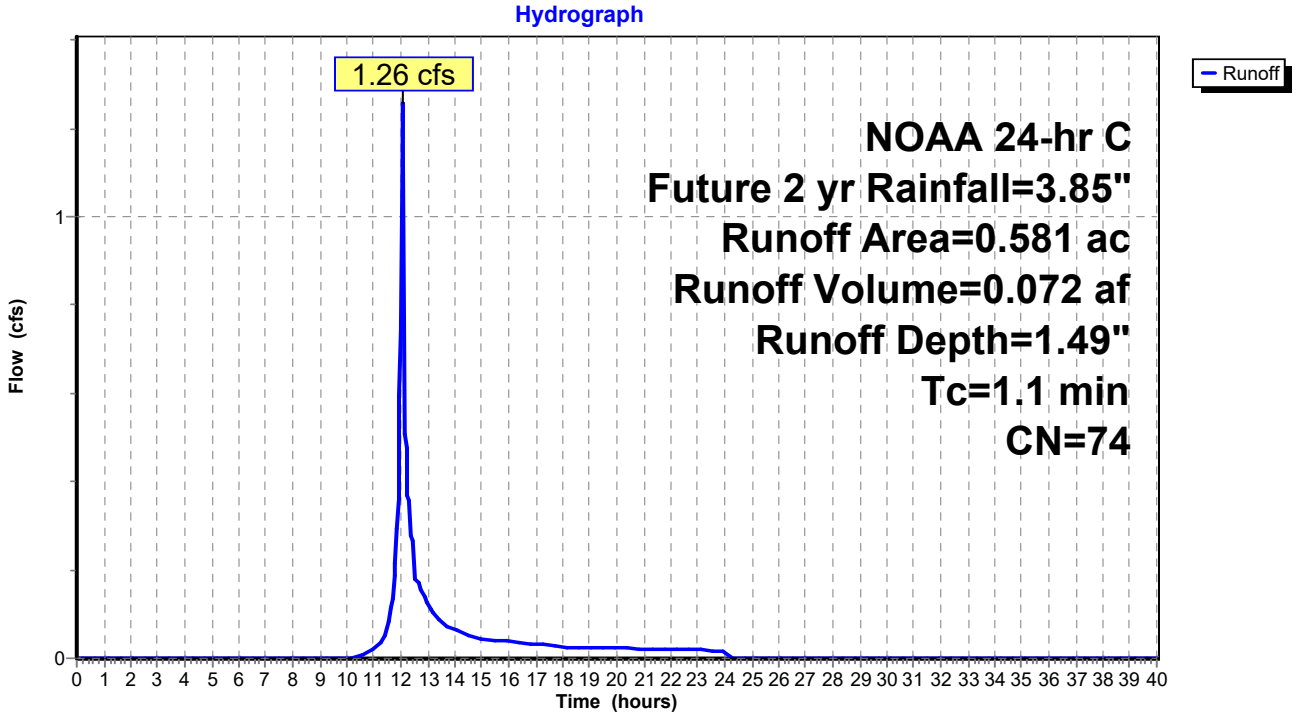
Runoff = 1.26 cfs @ 12.07 hrs, Volume= 0.072 af, Depth= 1.49"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.12
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.11
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.11
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.10
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.10
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.10
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.10
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.09
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.09
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.08
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.08
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.07
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.07
11.05	0.94	0.02	0.02	13.65	3.09	0.96	0.07
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.07
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.07
11.20	1.00	0.02	0.03	13.80	3.11	0.98	0.07
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.07
11.30	1.04	0.03	0.04	13.90	3.13	0.99	0.07
11.35	1.06	0.03	0.05	13.95	3.14	1.00	0.07
11.40	1.09	0.04	0.05	14.00	3.15	1.00	0.07
11.45	1.11	0.04	0.06	14.05	3.16	1.01	0.06
11.50	1.14	0.05	0.07	14.10	3.16	1.01	0.06
11.55	1.18	0.06	0.10	14.15	3.17	1.02	0.06
11.60	1.22	0.07	0.11	14.20	3.18	1.02	0.06
11.65	1.26	0.08	0.12	14.25	3.19	1.03	0.06
11.70	1.30	0.09	0.14	14.30	3.20	1.03	0.06
11.75	1.35	0.10	0.18	14.35	3.20	1.04	0.06
11.80	1.41	0.12	0.21	14.40	3.21	1.04	0.06
11.85	1.49	0.14	0.29	14.45	3.22	1.05	0.06
11.90	1.57	0.17	0.36	14.50	3.23	1.05	0.05
11.95	1.70	0.22	0.60	14.55	3.23	1.06	0.05
12.00	1.83	0.28	0.74	14.60	3.24	1.06	0.05
12.05	2.06	0.38	**1.21**	14.65	3.25	1.07	0.05
12.10	2.28	0.49	1.18	14.70	3.25	1.07	0.05
12.15	2.36	0.53	0.51	14.75	3.26	1.08	0.05
12.20	2.44	0.57	0.47	14.80	3.26	1.08	0.05
12.25	2.50	0.61	0.37	14.85	3.27	1.08	0.05
12.30	2.55	0.64	0.36	14.90	3.28	1.09	0.05
12.35	2.59	0.66	0.28	14.95	3.28	1.09	0.04
12.40	2.63	0.69	0.28	15.00	3.29	1.10	0.04
12.45	2.67	0.71	0.27	15.05	3.29	1.10	0.04
12.50	2.71	0.73	0.25	15.10	3.30	1.10	0.04
12.55	2.74	0.75	0.18	15.15	3.30	1.11	0.04
12.60	2.76	0.76	0.17	15.20	3.31	1.11	0.04
12.65	2.79	0.78	0.17	15.25	3.31	1.11	0.04
12.70	2.81	0.79	0.17	15.30	3.32	1.12	0.04
12.75	2.83	0.80	0.15	15.35	3.32	1.12	0.04
12.80	2.85	0.82	0.15	15.40	3.33	1.12	0.04
12.85	2.87	0.83	0.14	15.45	3.34	1.13	0.04
12.90	2.89	0.84	0.14	15.50	3.34	1.13	0.04
12.95	2.91	0.85	0.13	15.55	3.35	1.13	0.04

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.04	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.04	18.25	3.56	1.28	0.02
15.70	3.36	1.14	0.04	18.30	3.56	1.28	0.02
15.75	3.36	1.15	0.04	18.35	3.57	1.29	0.02
15.80	3.37	1.15	0.04	18.40	3.57	1.29	0.02
15.85	3.37	1.15	0.04	18.45	3.57	1.29	0.02
15.90	3.38	1.16	0.04	18.50	3.58	1.29	0.02
15.95	3.38	1.16	0.04	18.55	3.58	1.29	0.02
16.00	3.39	1.16	0.04	18.60	3.58	1.30	0.02
16.05	3.39	1.17	0.04	18.65	3.58	1.30	0.02
16.10	3.40	1.17	0.04	18.70	3.59	1.30	0.02
16.15	3.40	1.17	0.04	18.75	3.59	1.30	0.02
16.20	3.41	1.18	0.04	18.80	3.59	1.30	0.02
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.02
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.02
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.02
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.02
16.45	3.43	1.19	0.03	19.05	3.61	1.32	0.02
16.50	3.43	1.19	0.03	19.10	3.61	1.32	0.02
16.55	3.44	1.20	0.03	19.15	3.61	1.32	0.02
16.60	3.44	1.20	0.03	19.20	3.62	1.32	0.02
16.65	3.45	1.20	0.03	19.25	3.62	1.32	0.02
16.70	3.45	1.21	0.03	19.30	3.62	1.33	0.02
16.75	3.45	1.21	0.03	19.35	3.63	1.33	0.02
16.80	3.46	1.21	0.03	19.40	3.63	1.33	0.02
16.85	3.46	1.21	0.03	19.45	3.63	1.33	0.02
16.90	3.47	1.22	0.03	19.50	3.63	1.33	0.02
16.95	3.47	1.22	0.03	19.55	3.64	1.34	0.02
17.00	3.47	1.22	0.03	19.60	3.64	1.34	0.02
17.05	3.48	1.22	0.03	19.65	3.64	1.34	0.02
17.10	3.48	1.23	0.03	19.70	3.65	1.34	0.02
17.15	3.49	1.23	0.03	19.75	3.65	1.34	0.02
17.20	3.49	1.23	0.03	19.80	3.65	1.34	0.02
17.25	3.49	1.24	0.03	19.85	3.65	1.35	0.02
17.30	3.50	1.24	0.03	19.90	3.66	1.35	0.02
17.35	3.50	1.24	0.03	19.95	3.66	1.35	0.02
17.40	3.50	1.24	0.03	20.00	3.66	1.35	0.02
17.45	3.51	1.25	0.03	20.05	3.66	1.35	0.02
17.50	3.51	1.25	0.03	20.10	3.67	1.36	0.02
17.55	3.52	1.25	0.03	20.15	3.67	1.36	0.02
17.60	3.52	1.25	0.03	20.20	3.67	1.36	0.02
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.02
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.02
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.02
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.02
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.02
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.02
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.02
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.02
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.02
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.02
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.02

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.02	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.02	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.02	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.02	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.02	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.02	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.02	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.02	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.02	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.02	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.02	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.02	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.02	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

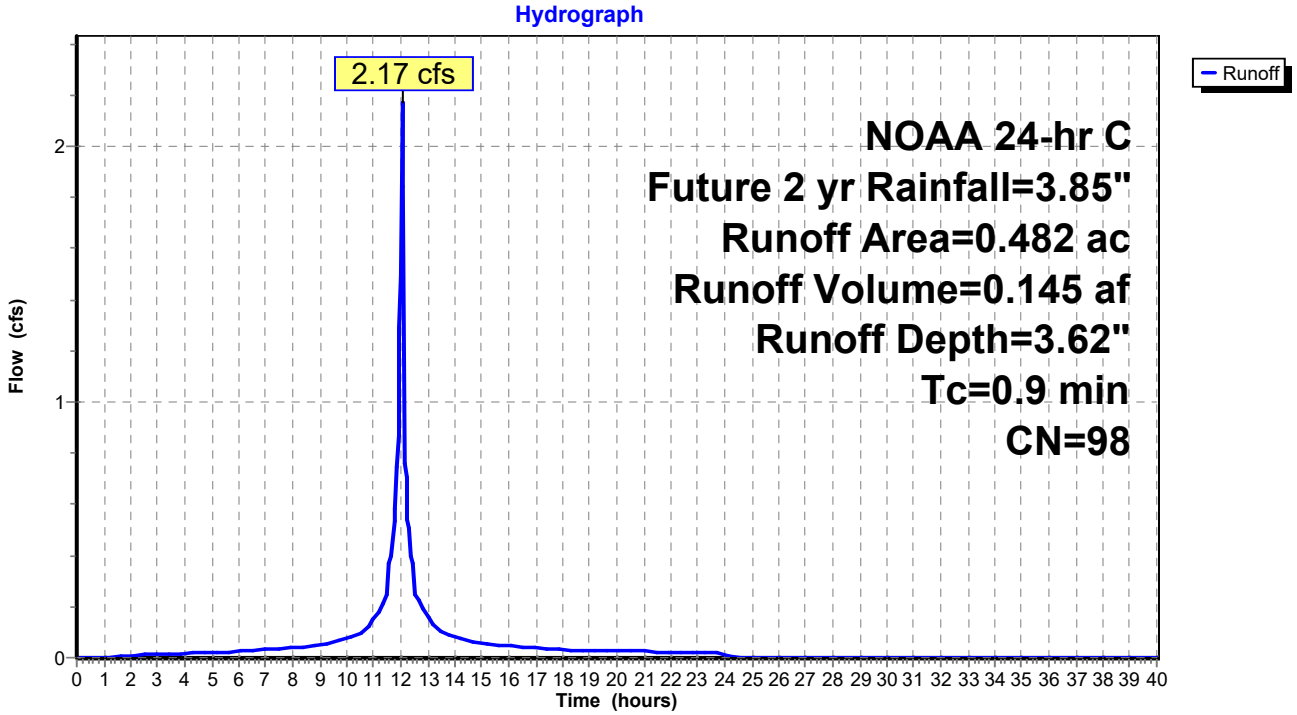
Runoff = 2.17 cfs @ 12.06 hrs, Volume= 0.145 af, Depth= 3.62"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.01
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.01
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.01
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.04
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.04
5.75	0.29	0.14	0.02	8.35	0.49	0.31	0.04
5.80	0.29	0.14	0.02	8.40	0.50	0.32	0.04
5.85	0.30	0.14	0.02	8.45	0.50	0.32	0.04
5.90	0.30	0.14	0.02	8.50	0.51	0.33	0.04
5.95	0.30	0.15	0.02	8.55	0.51	0.33	0.04
6.00	0.31	0.15	0.02	8.60	0.52	0.34	0.05
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.05
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.05
6.15	0.31	0.16	0.03	8.75	0.54	0.35	0.05
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.05
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.05
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.05
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.05
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.05
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.05
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.05
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.06
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.06
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.06
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.06
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.06
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.06
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.07
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.07
7.10	0.38	0.21	0.03	9.70	0.65	0.46	0.07
7.15	0.39	0.22	0.03	9.75	0.66	0.47	0.07
7.20	0.39	0.22	0.03	9.80	0.67	0.47	0.07
7.25	0.40	0.23	0.03	9.85	0.68	0.48	0.07
7.30	0.40	0.23	0.03	9.90	0.69	0.49	0.07
7.35	0.40	0.23	0.04	9.95	0.69	0.50	0.08
7.40	0.41	0.24	0.04	10.00	0.70	0.51	0.08
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.08
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.08
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.08
7.60	0.43	0.25	0.04	10.20	0.74	0.54	0.08
7.65	0.43	0.25	0.04	10.25	0.75	0.55	0.08
7.70	0.43	0.26	0.04	10.30	0.76	0.56	0.09
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.09

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.09	13.00	2.93	2.69	0.16
10.45	0.78	0.58	0.09	13.05	2.94	2.71	0.15
10.50	0.79	0.59	0.09	13.10	2.96	2.73	0.15
10.55	0.80	0.60	0.10	13.15	2.97	2.74	0.14
10.60	0.82	0.61	0.10	13.20	2.98	2.75	0.13
10.65	0.83	0.62	0.11	13.25	3.00	2.77	0.13
10.70	0.84	0.64	0.11	13.30	3.01	2.78	0.12
10.75	0.85	0.65	0.12	13.35	3.02	2.79	0.12
10.80	0.87	0.66	0.12	13.40	3.03	2.80	0.11
10.85	0.88	0.67	0.13	13.45	3.05	2.81	0.11
10.90	0.89	0.69	0.13	13.50	3.06	2.82	0.10
10.95	0.91	0.70	0.14	13.55	3.07	2.83	0.09
11.00	0.92	0.72	0.15	13.60	3.08	2.84	0.09
11.05	0.94	0.73	0.16	13.65	3.09	2.85	0.09
11.10	0.96	0.75	0.17	13.70	3.09	2.86	0.09
11.15	0.98	0.77	0.18	13.75	3.10	2.87	0.09
11.20	1.00	0.79	0.19	13.80	3.11	2.88	0.09
11.25	1.02	0.81	0.20	13.85	3.12	2.89	0.09
11.30	1.04	0.83	0.21	13.90	3.13	2.90	0.09
11.35	1.06	0.85	0.22	13.95	3.14	2.91	0.08
11.40	1.09	0.88	0.23	14.00	3.15	2.92	0.08
11.45	1.11	0.90	0.24	14.05	3.16	2.92	0.08
11.50	1.14	0.92	0.27	14.10	3.16	2.93	0.08
11.55	1.18	0.96	0.37	14.15	3.17	2.94	0.08
11.60	1.22	1.00	0.37	14.20	3.18	2.95	0.08
11.65	1.26	1.04	0.39	14.25	3.19	2.96	0.07
11.70	1.30	1.08	0.42	14.30	3.20	2.96	0.07
11.75	1.35	1.14	0.53	14.35	3.20	2.97	0.07
11.80	1.41	1.19	0.58	14.40	3.21	2.98	0.07
11.85	1.49	1.27	0.74	14.45	3.22	2.99	0.07
11.90	1.57	1.34	0.87	14.50	3.23	2.99	0.07
11.95	1.70	1.48	1.29	14.55	3.23	3.00	0.07
12.00	1.83	1.61	1.49	14.60	3.24	3.01	0.07
12.05	2.06	1.83	**2.16**	14.65	3.25	3.01	0.06
12.10	2.28	2.06	1.84	14.70	3.25	3.02	0.06
12.15	2.36	2.13	0.76	14.75	3.26	3.03	0.06
12.20	2.44	2.21	0.70	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.54	14.85	3.27	3.04	0.06
12.30	2.55	2.32	0.51	14.90	3.28	3.04	0.06
12.35	2.59	2.36	0.40	14.95	3.28	3.05	0.06
12.40	2.63	2.40	0.39	15.00	3.29	3.05	0.05
12.45	2.67	2.44	0.38	15.05	3.29	3.06	0.05
12.50	2.71	2.48	0.35	15.10	3.30	3.07	0.05
12.55	2.74	2.51	0.24	15.15	3.30	3.07	0.05
12.60	2.76	2.53	0.24	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.23	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.22	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.21	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.20	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.19	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.18	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.17	15.55	3.35	3.11	0.05

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.05	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.05	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.05	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.05	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.05	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.05	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.05	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.05	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.05	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.04	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.04	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.04	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.04	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.04	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.04	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.04	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.04	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.04	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.04	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.04	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.04	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.04	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.04	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.04	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.04	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.04	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.03	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.03	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.03	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.03	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.03	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.03	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.03
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.03
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.03
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.03
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.02	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.02	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.02	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.02	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.02	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.02	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.02	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.02	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.02	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.02	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.02	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.02	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.02	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.02	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.02	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.02	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.02	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

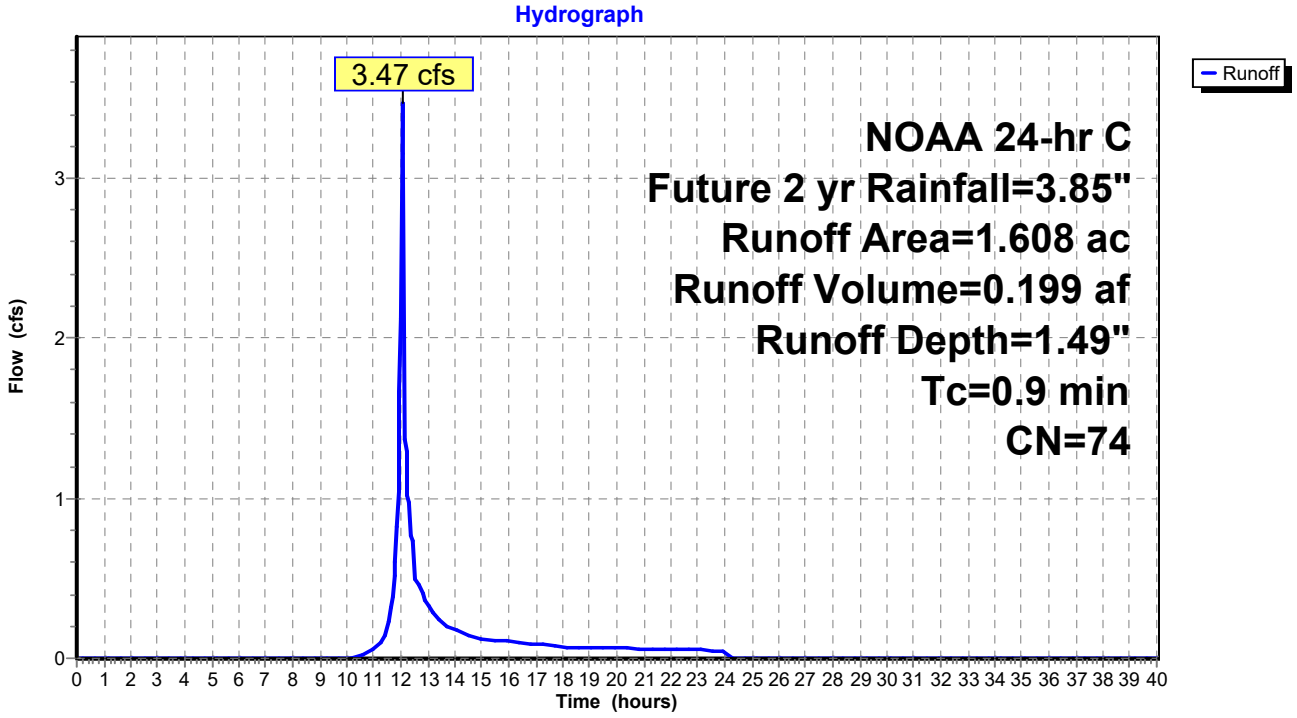
Runoff = 3.47 cfs @ 12.07 hrs, Volume= 0.199 af, Depth= 1.49"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.01
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.01
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.34
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.31
10.50	0.79	0.00	0.02	13.10	2.96	0.88	0.31
10.55	0.80	0.00	0.02	13.15	2.97	0.89	0.29
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.28
10.65	0.83	0.00	0.03	13.25	3.00	0.91	0.27
10.70	0.84	0.01	0.03	13.30	3.01	0.92	0.26
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.25
10.80	0.87	0.01	0.04	13.40	3.03	0.93	0.24
10.85	0.88	0.01	0.04	13.45	3.05	0.94	0.22
10.90	0.89	0.01	0.05	13.50	3.06	0.94	0.22
10.95	0.91	0.01	0.05	13.55	3.07	0.95	0.20
11.00	0.92	0.01	0.06	13.60	3.08	0.96	0.20
11.05	0.94	0.02	0.07	13.65	3.09	0.96	0.20
11.10	0.96	0.02	0.07	13.70	3.09	0.97	0.20
11.15	0.98	0.02	0.09	13.75	3.10	0.97	0.19
11.20	1.00	0.02	0.09	13.80	3.11	0.98	0.19
11.25	1.02	0.03	0.11	13.85	3.12	0.99	0.19
11.30	1.04	0.03	0.12	13.90	3.13	0.99	0.19
11.35	1.06	0.03	0.13	13.95	3.14	1.00	0.18
11.40	1.09	0.04	0.14	14.00	3.15	1.00	0.18
11.45	1.11	0.04	0.16	14.05	3.16	1.01	0.18
11.50	1.14	0.05	0.19	14.10	3.16	1.01	0.17
11.55	1.18	0.06	0.28	14.15	3.17	1.02	0.17
11.60	1.22	0.07	0.30	14.20	3.18	1.02	0.17
11.65	1.26	0.08	0.33	14.25	3.19	1.03	0.16
11.70	1.30	0.09	0.38	14.30	3.20	1.03	0.16
11.75	1.35	0.10	0.51	14.35	3.20	1.04	0.16
11.80	1.41	0.12	0.60	14.40	3.21	1.04	0.16
11.85	1.49	0.14	0.82	14.45	3.22	1.05	0.15
11.90	1.57	0.17	1.04	14.50	3.23	1.05	0.15
11.95	1.70	0.22	1.67	14.55	3.23	1.06	0.15
12.00	1.83	0.28	2.12	14.60	3.24	1.06	0.15
12.05	2.06	0.38	**3.38**	14.65	3.25	1.07	0.14
12.10	2.28	0.49	3.15	14.70	3.25	1.07	0.14
12.15	2.36	0.53	1.37	14.75	3.26	1.08	0.14
12.20	2.44	0.57	1.30	14.80	3.26	1.08	0.13
12.25	2.50	0.61	1.02	14.85	3.27	1.08	0.13
12.30	2.55	0.64	0.97	14.90	3.28	1.09	0.13
12.35	2.59	0.66	0.77	14.95	3.28	1.09	0.12
12.40	2.63	0.69	0.76	15.00	3.29	1.10	0.12
12.45	2.67	0.71	0.74	15.05	3.29	1.10	0.12
12.50	2.71	0.73	0.69	15.10	3.30	1.10	0.12
12.55	2.74	0.75	0.49	15.15	3.30	1.11	0.12
12.60	2.76	0.76	0.48	15.20	3.31	1.11	0.12
12.65	2.79	0.78	0.46	15.25	3.31	1.11	0.11
12.70	2.81	0.79	0.45	15.30	3.32	1.12	0.11
12.75	2.83	0.80	0.43	15.35	3.32	1.12	0.11
12.80	2.85	0.82	0.42	15.40	3.33	1.12	0.11
12.85	2.87	0.83	0.39	15.45	3.34	1.13	0.11
12.90	2.89	0.84	0.38	15.50	3.34	1.13	0.11
12.95	2.91	0.85	0.35	15.55	3.35	1.13	0.11

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.11	18.20	3.56	1.28	0.07
15.65	3.36	1.14	0.11	18.25	3.56	1.28	0.07
15.70	3.36	1.14	0.11	18.30	3.56	1.28	0.07
15.75	3.36	1.15	0.11	18.35	3.57	1.29	0.07
15.80	3.37	1.15	0.11	18.40	3.57	1.29	0.07
15.85	3.37	1.15	0.11	18.45	3.57	1.29	0.07
15.90	3.38	1.16	0.10	18.50	3.58	1.29	0.07
15.95	3.38	1.16	0.10	18.55	3.58	1.29	0.07
16.00	3.39	1.16	0.10	18.60	3.58	1.30	0.07
16.05	3.39	1.17	0.10	18.65	3.58	1.30	0.07
16.10	3.40	1.17	0.10	18.70	3.59	1.30	0.07
16.15	3.40	1.17	0.10	18.75	3.59	1.30	0.07
16.20	3.41	1.18	0.10	18.80	3.59	1.30	0.07
16.25	3.41	1.18	0.10	18.85	3.60	1.31	0.07
16.30	3.42	1.18	0.10	18.90	3.60	1.31	0.07
16.35	3.42	1.19	0.10	18.95	3.60	1.31	0.07
16.40	3.42	1.19	0.10	19.00	3.61	1.31	0.07
16.45	3.43	1.19	0.10	19.05	3.61	1.32	0.07
16.50	3.43	1.19	0.10	19.10	3.61	1.32	0.07
16.55	3.44	1.20	0.09	19.15	3.61	1.32	0.07
16.60	3.44	1.20	0.09	19.20	3.62	1.32	0.07
16.65	3.45	1.20	0.09	19.25	3.62	1.32	0.07
16.70	3.45	1.21	0.09	19.30	3.62	1.33	0.07
16.75	3.45	1.21	0.09	19.35	3.63	1.33	0.06
16.80	3.46	1.21	0.09	19.40	3.63	1.33	0.06
16.85	3.46	1.21	0.09	19.45	3.63	1.33	0.06
16.90	3.47	1.22	0.09	19.50	3.63	1.33	0.06
16.95	3.47	1.22	0.09	19.55	3.64	1.34	0.06
17.00	3.47	1.22	0.09	19.60	3.64	1.34	0.06
17.05	3.48	1.22	0.09	19.65	3.64	1.34	0.06
17.10	3.48	1.23	0.09	19.70	3.65	1.34	0.06
17.15	3.49	1.23	0.08	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.08	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.08	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.08	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.08	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.08	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.08	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.08	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.08	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.08	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.08	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.07	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.07	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.07	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.07	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.07	20.65	3.70	1.38	0.06
18.10	3.55	1.28	0.07	20.70	3.70	1.38	0.06
18.15	3.55	1.28	0.07	20.75	3.70	1.38	0.06

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.06	23.40	3.82	1.47	0.05
20.85	3.71	1.38	0.06	23.45	3.83	1.47	0.05
20.90	3.71	1.39	0.06	23.50	3.83	1.47	0.05
20.95	3.71	1.39	0.06	23.55	3.83	1.47	0.05
21.00	3.71	1.39	0.06	23.60	3.83	1.47	0.05
21.05	3.72	1.39	0.06	23.65	3.84	1.48	0.05
21.10	3.72	1.39	0.06	23.70	3.84	1.48	0.05
21.15	3.72	1.40	0.06	23.75	3.84	1.48	0.05
21.20	3.72	1.40	0.06	23.80	3.84	1.48	0.05
21.25	3.73	1.40	0.06	23.85	3.84	1.48	0.05
21.30	3.73	1.40	0.06	23.90	3.85	1.48	0.05
21.35	3.73	1.40	0.06	23.95	3.85	1.49	0.06
21.40	3.73	1.40	0.06	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.06	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.06	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.06	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.06	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.06	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.06	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.06	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.06	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.05	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.05	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.05	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.05	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.05	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.05	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 9I: PDA-9 (impervious)

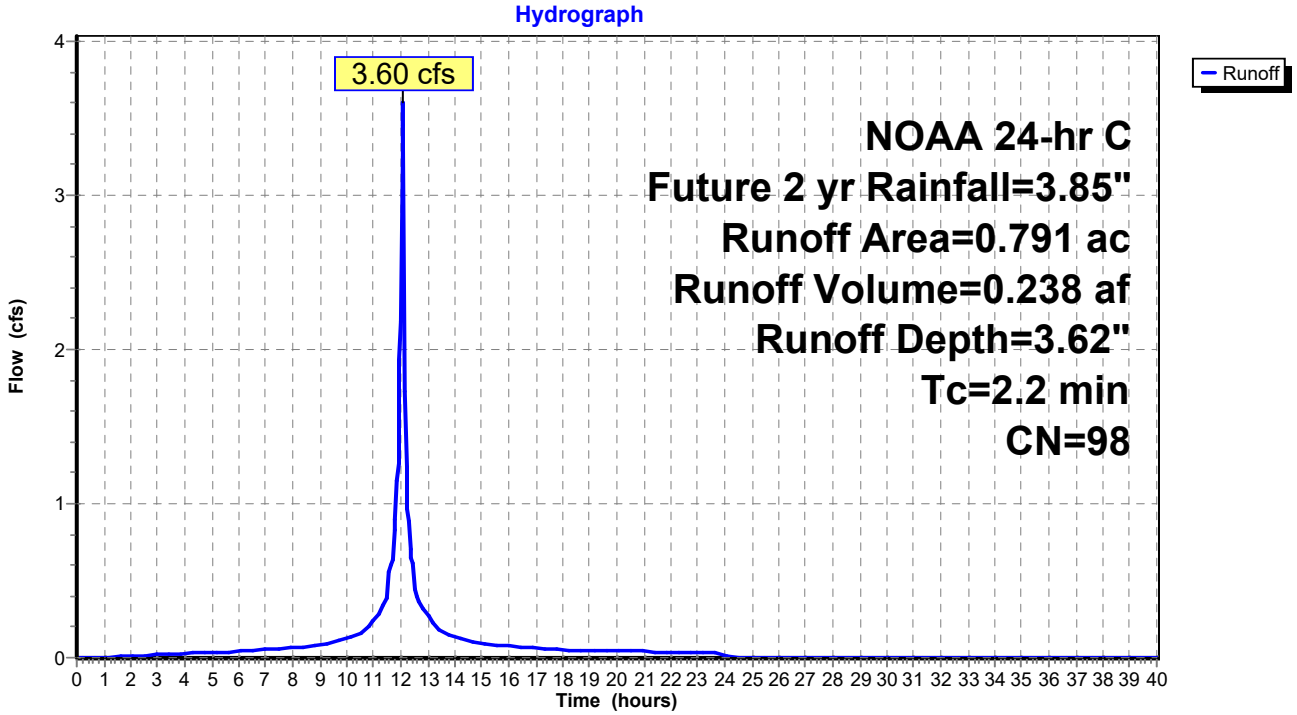
Runoff = 3.60 cfs @ 12.08 hrs, Volume= 0.238 af, Depth= 3.62"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9I: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.07
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.07
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.07
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.07
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.07
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.07
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.08
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.08
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.08
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.08
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.08
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.08
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.08
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.09
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.09
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.09
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.09
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.10
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.10
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.10
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.10
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.11
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.11
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.11
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.11
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.11
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.12
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.12
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.12
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.12
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.12
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.13
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.13
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.13
7.60	0.43	0.25	0.06	10.20	0.74	0.54	0.13
7.65	0.43	0.25	0.06	10.25	0.75	0.55	0.14
7.70	0.43	0.26	0.06	10.30	0.76	0.56	0.14
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.14

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.14	13.00	2.93	2.69	0.27
10.45	0.78	0.58	0.15	13.05	2.94	2.71	0.25
10.50	0.79	0.59	0.15	13.10	2.96	2.73	0.24
10.55	0.80	0.60	0.16	13.15	2.97	2.74	0.23
10.60	0.82	0.61	0.17	13.20	2.98	2.75	0.22
10.65	0.83	0.62	0.18	13.25	3.00	2.77	0.21
10.70	0.84	0.64	0.18	13.30	3.01	2.78	0.21
10.75	0.85	0.65	0.20	13.35	3.02	2.79	0.19
10.80	0.87	0.66	0.20	13.40	3.03	2.80	0.19
10.85	0.88	0.67	0.21	13.45	3.05	2.81	0.18
10.90	0.89	0.69	0.22	13.50	3.06	2.82	0.17
10.95	0.91	0.70	0.23	13.55	3.07	2.83	0.16
11.00	0.92	0.72	0.24	13.60	3.08	2.84	0.15
11.05	0.94	0.73	0.26	13.65	3.09	2.85	0.15
11.10	0.96	0.75	0.27	13.70	3.09	2.86	0.15
11.15	0.98	0.77	0.29	13.75	3.10	2.87	0.15
11.20	1.00	0.79	0.30	13.80	3.11	2.88	0.15
11.25	1.02	0.81	0.33	13.85	3.12	2.89	0.14
11.30	1.04	0.83	0.33	13.90	3.13	2.90	0.14
11.35	1.06	0.85	0.36	13.95	3.14	2.91	0.14
11.40	1.09	0.88	0.37	14.00	3.15	2.92	0.14
11.45	1.11	0.90	0.38	14.05	3.16	2.92	0.13
11.50	1.14	0.92	0.40	14.10	3.16	2.93	0.13
11.55	1.18	0.96	0.56	14.15	3.17	2.94	0.13
11.60	1.22	1.00	0.61	14.20	3.18	2.95	0.13
11.65	1.26	1.04	0.63	14.25	3.19	2.96	0.12
11.70	1.30	1.08	0.65	14.30	3.20	2.96	0.12
11.75	1.35	1.14	0.83	14.35	3.20	2.97	0.12
11.80	1.41	1.19	0.89	14.40	3.21	2.98	0.12
11.85	1.49	1.27	1.15	14.45	3.22	2.99	0.11
11.90	1.57	1.34	1.26	14.50	3.23	2.99	0.11
11.95	1.70	1.48	1.93	14.55	3.23	3.00	0.11
12.00	1.83	1.61	2.18	14.60	3.24	3.01	0.11
12.05	2.06	1.83	3.24	14.65	3.25	3.01	0.11
12.10	2.28	2.06	**3.45**	14.70	3.25	3.02	0.10
12.15	2.36	2.13	1.73	14.75	3.26	3.03	0.10
12.20	2.44	2.21	1.24	14.80	3.26	3.03	0.10
12.25	2.50	2.27	0.97	14.85	3.27	3.04	0.10
12.30	2.55	2.32	0.88	14.90	3.28	3.04	0.09
12.35	2.59	2.36	0.70	14.95	3.28	3.05	0.09
12.40	2.63	2.40	0.65	15.00	3.29	3.05	0.09
12.45	2.67	2.44	0.62	15.05	3.29	3.06	0.09
12.50	2.71	2.48	0.61	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.45	15.15	3.30	3.07	0.08
12.60	2.76	2.53	0.40	15.20	3.31	3.08	0.08
12.65	2.79	2.56	0.38	15.25	3.31	3.08	0.08
12.70	2.81	2.58	0.37	15.30	3.32	3.09	0.08
12.75	2.83	2.60	0.35	15.35	3.32	3.09	0.08
12.80	2.85	2.62	0.34	15.40	3.33	3.10	0.08
12.85	2.87	2.64	0.32	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.31	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.28	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.07	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.07	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

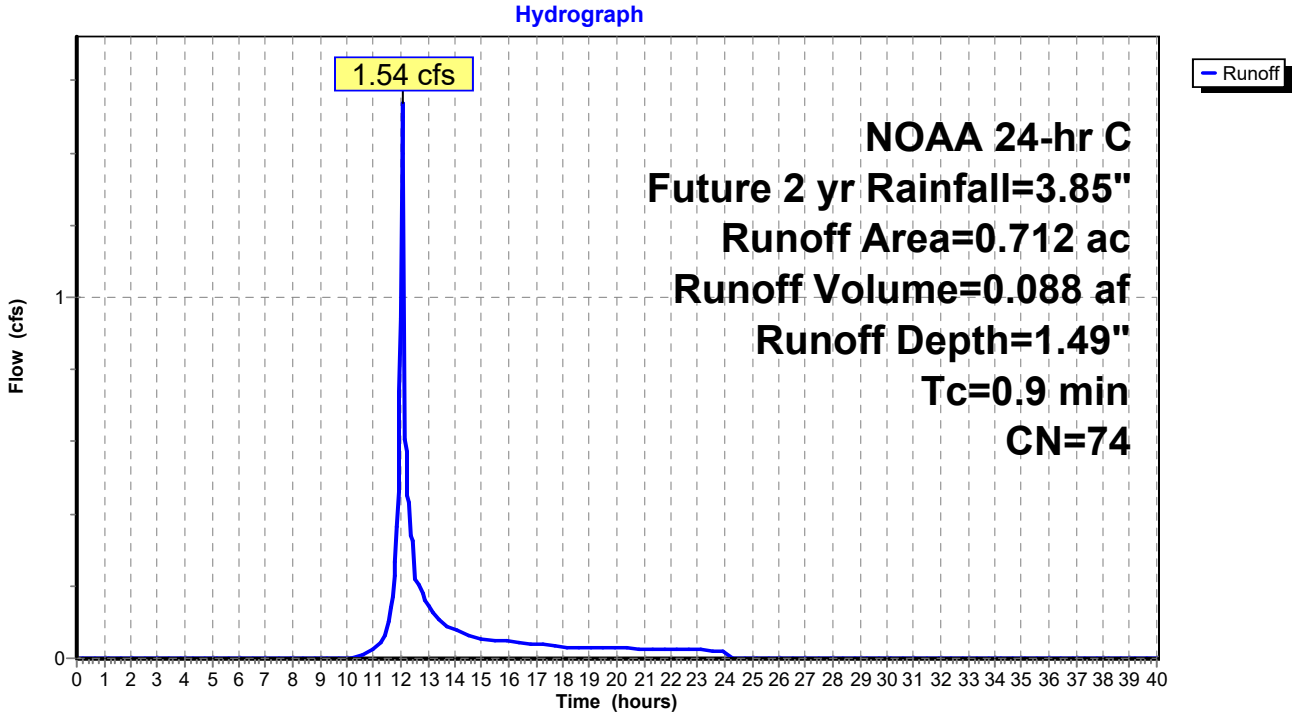
Runoff = 1.54 cfs @ 12.07 hrs, Volume= 0.088 af, Depth= 1.49"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.15
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.14
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.14
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.13
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.13
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.12
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.12
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.11
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.11
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.10
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.10
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.09
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.09
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.09
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.09
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.08
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.08
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.08
11.30	1.04	0.03	0.05	13.90	3.13	0.99	0.08
11.35	1.06	0.03	0.06	13.95	3.14	1.00	0.08
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.08
11.45	1.11	0.04	0.07	14.05	3.16	1.01	0.08
11.50	1.14	0.05	0.08	14.10	3.16	1.01	0.08
11.55	1.18	0.06	0.12	14.15	3.17	1.02	0.08
11.60	1.22	0.07	0.13	14.20	3.18	1.02	0.07
11.65	1.26	0.08	0.15	14.25	3.19	1.03	0.07
11.70	1.30	0.09	0.17	14.30	3.20	1.03	0.07
11.75	1.35	0.10	0.23	14.35	3.20	1.04	0.07
11.80	1.41	0.12	0.27	14.40	3.21	1.04	0.07
11.85	1.49	0.14	0.36	14.45	3.22	1.05	0.07
11.90	1.57	0.17	0.46	14.50	3.23	1.05	0.07
11.95	1.70	0.22	0.74	14.55	3.23	1.06	0.06
12.00	1.83	0.28	0.94	14.60	3.24	1.06	0.06
12.05	2.06	0.38	**1.50**	14.65	3.25	1.07	0.06
12.10	2.28	0.49	1.40	14.70	3.25	1.07	0.06
12.15	2.36	0.53	0.61	14.75	3.26	1.08	0.06
12.20	2.44	0.57	0.57	14.80	3.26	1.08	0.06
12.25	2.50	0.61	0.45	14.85	3.27	1.08	0.06
12.30	2.55	0.64	0.43	14.90	3.28	1.09	0.06
12.35	2.59	0.66	0.34	14.95	3.28	1.09	0.05
12.40	2.63	0.69	0.34	15.00	3.29	1.10	0.05
12.45	2.67	0.71	0.33	15.05	3.29	1.10	0.05
12.50	2.71	0.73	0.30	15.10	3.30	1.10	0.05
12.55	2.74	0.75	0.22	15.15	3.30	1.11	0.05
12.60	2.76	0.76	0.21	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.20	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.20	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.19	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.19	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.17	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.17	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.15	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.05	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.05	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.05	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.05	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.05	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.05	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.05	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.05	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.05	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.05	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.04	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.04	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.04	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.04	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.04	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.04	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.04	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.04	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.03	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.03	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 10l: PDA-10 (impervious)

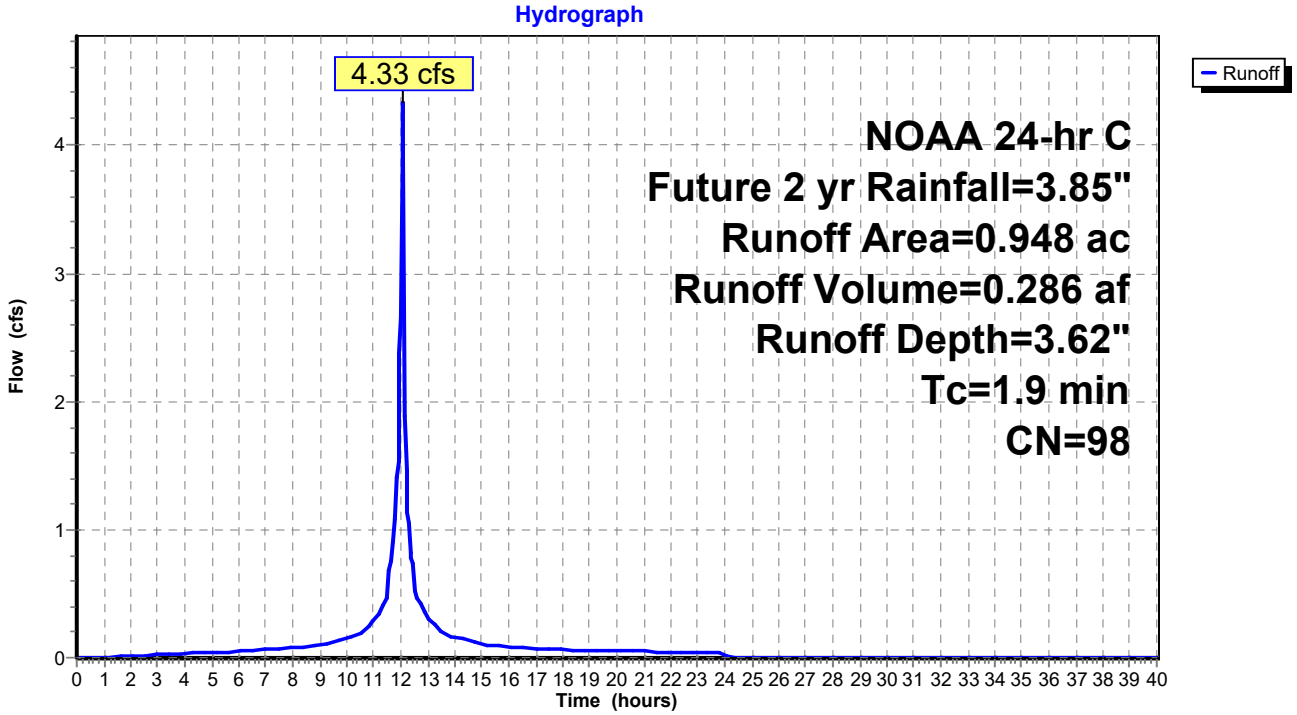
Runoff = 4.33 cfs @ 12.08 hrs, Volume= 0.286 af, Depth= 3.62"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**

Subcatchment 10l: PDA-10 (impervious)



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.03
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.03
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.04
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.04
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.04
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.04
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.04
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.04
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.04
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.04
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.04
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.04
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.04
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.08
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.08
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.08
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.08
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.08
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.08
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.08
5.55	0.28	0.13	0.05	8.15	0.48	0.30	0.08
5.60	0.28	0.13	0.05	8.20	0.48	0.30	0.08
5.65	0.28	0.13	0.05	8.25	0.49	0.30	0.08
5.70	0.29	0.13	0.05	8.30	0.49	0.31	0.08
5.75	0.29	0.14	0.05	8.35	0.49	0.31	0.08
5.80	0.29	0.14	0.05	8.40	0.50	0.32	0.09
5.85	0.30	0.14	0.05	8.45	0.50	0.32	0.09
5.90	0.30	0.14	0.05	8.50	0.51	0.33	0.09
5.95	0.30	0.15	0.05	8.55	0.51	0.33	0.09
6.00	0.31	0.15	0.05	8.60	0.52	0.34	0.09
6.05	0.31	0.15	0.05	8.65	0.53	0.34	0.09
6.10	0.31	0.15	0.05	8.70	0.53	0.35	0.09
6.15	0.31	0.16	0.05	8.75	0.54	0.35	0.09
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.09
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.09
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.09
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.09
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.10
6.45	0.33	0.17	0.06	9.05	0.57	0.38	0.10
6.50	0.34	0.18	0.06	9.10	0.57	0.39	0.10
6.55	0.34	0.18	0.06	9.15	0.58	0.39	0.10
6.60	0.35	0.18	0.06	9.20	0.59	0.40	0.11
6.65	0.35	0.19	0.06	9.25	0.59	0.40	0.11
6.70	0.35	0.19	0.06	9.30	0.60	0.41	0.11
6.75	0.36	0.19	0.06	9.35	0.60	0.41	0.12
6.80	0.36	0.19	0.06	9.40	0.61	0.42	0.12
6.85	0.36	0.20	0.06	9.45	0.62	0.43	0.12
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.12
6.95	0.37	0.20	0.06	9.55	0.63	0.44	0.13
7.00	0.38	0.21	0.06	9.60	0.64	0.45	0.13
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.13
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.13
7.15	0.39	0.22	0.07	9.75	0.66	0.47	0.14
7.20	0.39	0.22	0.07	9.80	0.67	0.47	0.14
7.25	0.40	0.23	0.07	9.85	0.68	0.48	0.14
7.30	0.40	0.23	0.07	9.90	0.69	0.49	0.14
7.35	0.40	0.23	0.07	9.95	0.69	0.50	0.15
7.40	0.41	0.24	0.07	10.00	0.70	0.51	0.15
7.45	0.41	0.24	0.07	10.05	0.71	0.51	0.15
7.50	0.42	0.24	0.07	10.10	0.72	0.52	0.16
7.55	0.42	0.25	0.07	10.15	0.73	0.53	0.16
7.60	0.43	0.25	0.07	10.20	0.74	0.54	0.16
7.65	0.43	0.25	0.07	10.25	0.75	0.55	0.17
7.70	0.43	0.26	0.07	10.30	0.76	0.56	0.17
7.75	0.44	0.26	0.08	10.35	0.76	0.56	0.17

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.17	13.00	2.93	2.69	0.33
10.45	0.78	0.58	0.18	13.05	2.94	2.71	0.30
10.50	0.79	0.59	0.18	13.10	2.96	2.73	0.29
10.55	0.80	0.60	0.19	13.15	2.97	2.74	0.27
10.60	0.82	0.61	0.20	13.20	2.98	2.75	0.27
10.65	0.83	0.62	0.22	13.25	3.00	2.77	0.25
10.70	0.84	0.64	0.22	13.30	3.01	2.78	0.25
10.75	0.85	0.65	0.24	13.35	3.02	2.79	0.23
10.80	0.87	0.66	0.24	13.40	3.03	2.80	0.23
10.85	0.88	0.67	0.26	13.45	3.05	2.81	0.21
10.90	0.89	0.69	0.26	13.50	3.06	2.82	0.21
10.95	0.91	0.70	0.28	13.55	3.07	2.83	0.19
11.00	0.92	0.72	0.28	13.60	3.08	2.84	0.19
11.05	0.94	0.73	0.31	13.65	3.09	2.85	0.18
11.10	0.96	0.75	0.32	13.70	3.09	2.86	0.18
11.15	0.98	0.77	0.35	13.75	3.10	2.87	0.17
11.20	1.00	0.79	0.36	13.80	3.11	2.88	0.17
11.25	1.02	0.81	0.39	13.85	3.12	2.89	0.17
11.30	1.04	0.83	0.40	13.90	3.13	2.90	0.17
11.35	1.06	0.85	0.43	13.95	3.14	2.91	0.16
11.40	1.09	0.88	0.44	14.00	3.15	2.92	0.16
11.45	1.11	0.90	0.46	14.05	3.16	2.92	0.16
11.50	1.14	0.92	0.48	14.10	3.16	2.93	0.16
11.55	1.18	0.96	0.69	14.15	3.17	2.94	0.15
11.60	1.22	1.00	0.73	14.20	3.18	2.95	0.15
11.65	1.26	1.04	0.76	14.25	3.19	2.96	0.15
11.70	1.30	1.08	0.78	14.30	3.20	2.96	0.15
11.75	1.35	1.14	1.01	14.35	3.20	2.97	0.14
11.80	1.41	1.19	1.08	14.40	3.21	2.98	0.14
11.85	1.49	1.27	1.41	14.45	3.22	2.99	0.14
11.90	1.57	1.34	1.53	14.50	3.23	2.99	0.14
11.95	1.70	1.48	2.38	14.55	3.23	3.00	0.13
12.00	1.83	1.61	2.65	14.60	3.24	3.01	0.13
12.05	2.06	1.83	4.00	14.65	3.25	3.01	0.13
12.10	2.28	2.06	**4.09**	14.70	3.25	3.02	0.12
12.15	2.36	2.13	1.89	14.75	3.26	3.03	0.12
12.20	2.44	2.21	1.46	14.80	3.26	3.03	0.12
12.25	2.50	2.27	1.13	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.05	14.90	3.28	3.04	0.11
12.35	2.59	2.36	0.82	14.95	3.28	3.05	0.11
12.40	2.63	2.40	0.78	15.00	3.29	3.05	0.11
12.45	2.67	2.44	0.75	15.05	3.29	3.06	0.10
12.50	2.71	2.48	0.72	15.10	3.30	3.07	0.10
12.55	2.74	2.51	0.52	15.15	3.30	3.07	0.10
12.60	2.76	2.53	0.48	15.20	3.31	3.08	0.10
12.65	2.79	2.56	0.45	15.25	3.31	3.08	0.10
12.70	2.81	2.58	0.45	15.30	3.32	3.09	0.10
12.75	2.83	2.60	0.41	15.35	3.32	3.09	0.10
12.80	2.85	2.62	0.41	15.40	3.33	3.10	0.10
12.85	2.87	2.64	0.38	15.45	3.34	3.10	0.10
12.90	2.89	2.66	0.37	15.50	3.34	3.11	0.10
12.95	2.91	2.68	0.34	15.55	3.35	3.11	0.10

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.10	18.20	3.56	3.32	0.06
15.65	3.36	3.12	0.09	18.25	3.56	3.33	0.06
15.70	3.36	3.13	0.09	18.30	3.56	3.33	0.06
15.75	3.36	3.13	0.09	18.35	3.57	3.33	0.06
15.80	3.37	3.14	0.09	18.40	3.57	3.34	0.06
15.85	3.37	3.14	0.09	18.45	3.57	3.34	0.06
15.90	3.38	3.15	0.09	18.50	3.58	3.34	0.06
15.95	3.38	3.15	0.09	18.55	3.58	3.34	0.06
16.00	3.39	3.16	0.09	18.60	3.58	3.35	0.06
16.05	3.39	3.16	0.09	18.65	3.58	3.35	0.06
16.10	3.40	3.16	0.09	18.70	3.59	3.35	0.06
16.15	3.40	3.17	0.09	18.75	3.59	3.36	0.06
16.20	3.41	3.17	0.09	18.80	3.59	3.36	0.06
16.25	3.41	3.18	0.09	18.85	3.60	3.36	0.06
16.30	3.42	3.18	0.09	18.90	3.60	3.37	0.06
16.35	3.42	3.19	0.08	18.95	3.60	3.37	0.06
16.40	3.42	3.19	0.08	19.00	3.61	3.37	0.06
16.45	3.43	3.20	0.08	19.05	3.61	3.37	0.06
16.50	3.43	3.20	0.08	19.10	3.61	3.38	0.06
16.55	3.44	3.20	0.08	19.15	3.61	3.38	0.06
16.60	3.44	3.21	0.08	19.20	3.62	3.38	0.06
16.65	3.45	3.21	0.08	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.08	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.08	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.08	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.08	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.08	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.08	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.08	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.07	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.07	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.07	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.07	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.07	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.07	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.07	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.07	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.07	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.07	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.07	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.07	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.06	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.06	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.06	20.65	3.70	3.46	0.05
18.10	3.55	3.32	0.06	20.70	3.70	3.46	0.05
18.15	3.55	3.32	0.06	20.75	3.70	3.47	0.05

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.05	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.05	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.05	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.05	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.05	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.05	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.05	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.05	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.05	23.80	3.84	3.61	0.04
21.25	3.73	3.49	0.05	23.85	3.84	3.61	0.04
21.30	3.73	3.50	0.05	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.05	23.95	3.85	3.61	0.05
21.40	3.73	3.50	0.05	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.05	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.05	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.05	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.05	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.05	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.05	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.05	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.05	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.05	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.05	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

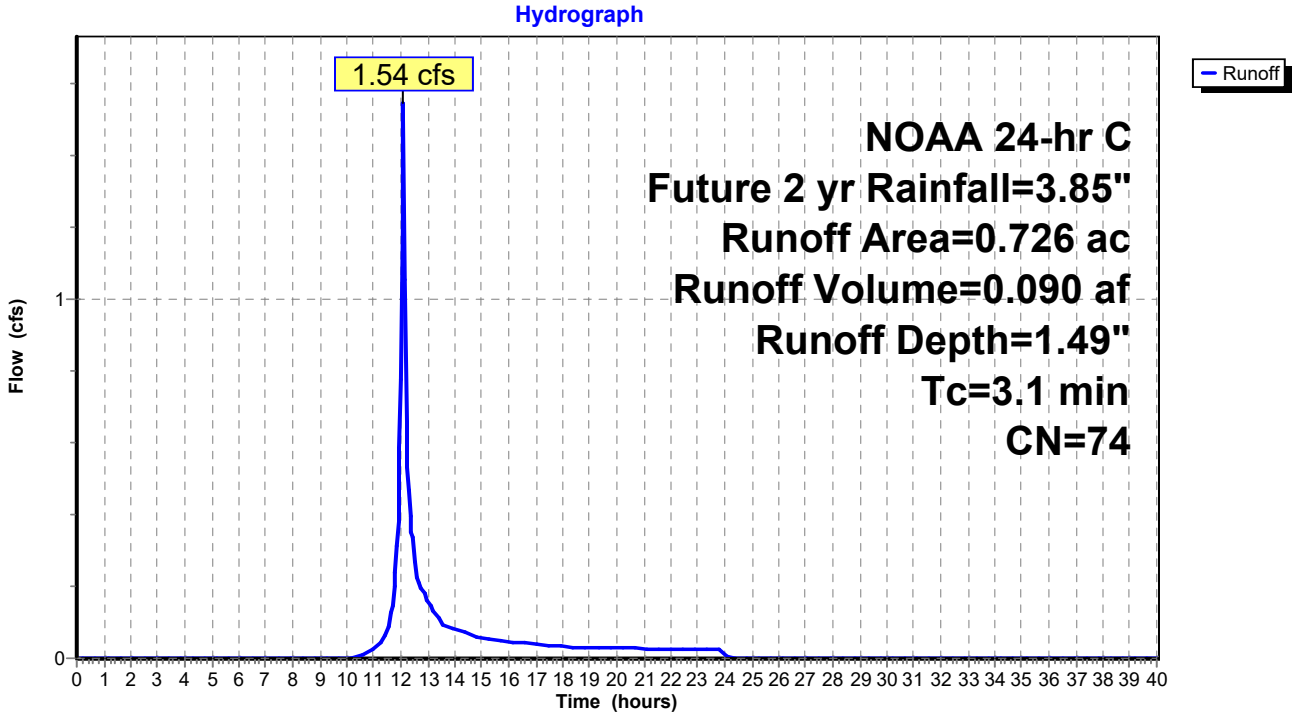
Runoff = 1.54 cfs @ 12.10 hrs, Volume= 0.090 af, Depth= 1.49"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.16
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.15
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.14
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.13
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.13
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.13
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.12
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.12
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.11
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.11
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.10
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.10
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.09
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.09
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.09
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.09
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.09
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.09
11.30	1.04	0.03	0.05	13.90	3.13	0.99	0.08
11.35	1.06	0.03	0.06	13.95	3.14	1.00	0.08
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.08
11.45	1.11	0.04	0.07	14.05	3.16	1.01	0.08
11.50	1.14	0.05	0.07	14.10	3.16	1.01	0.08
11.55	1.18	0.06	0.10	14.15	3.17	1.02	0.08
11.60	1.22	0.07	0.13	14.20	3.18	1.02	0.08
11.65	1.26	0.08	0.14	14.25	3.19	1.03	0.08
11.70	1.30	0.09	0.15	14.30	3.20	1.03	0.07
11.75	1.35	0.10	0.20	14.35	3.20	1.04	0.07
11.80	1.41	0.12	0.24	14.40	3.21	1.04	0.07
11.85	1.49	0.14	0.31	14.45	3.22	1.05	0.07
11.90	1.57	0.17	0.38	14.50	3.23	1.05	0.07
11.95	1.70	0.22	0.59	14.55	3.23	1.06	0.07
12.00	1.83	0.28	0.77	14.60	3.24	1.06	0.07
12.05	2.06	0.38	1.19	14.65	3.25	1.07	0.06
12.10	2.28	0.49	**1.54**	14.70	3.25	1.07	0.06
12.15	2.36	0.53	1.05	14.75	3.26	1.08	0.06
12.20	2.44	0.57	0.66	14.80	3.26	1.08	0.06
12.25	2.50	0.61	0.53	14.85	3.27	1.08	0.06
12.30	2.55	0.64	0.47	14.90	3.28	1.09	0.06
12.35	2.59	0.66	0.40	14.95	3.28	1.09	0.06
12.40	2.63	0.69	0.35	15.00	3.29	1.10	0.06
12.45	2.67	0.71	0.34	15.05	3.29	1.10	0.05
12.50	2.71	0.73	0.34	15.10	3.30	1.10	0.05
12.55	2.74	0.75	0.27	15.15	3.30	1.11	0.05
12.60	2.76	0.76	0.23	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.21	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.21	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.20	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.19	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.18	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.18	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.17	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.05	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.05	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.05	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.05	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.05	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.05	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.05	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.05	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.05	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.05	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.05	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.05	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.04	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.04	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.04	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.04	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.04	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.04	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.04	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 11I: PDA-11 (impervious)

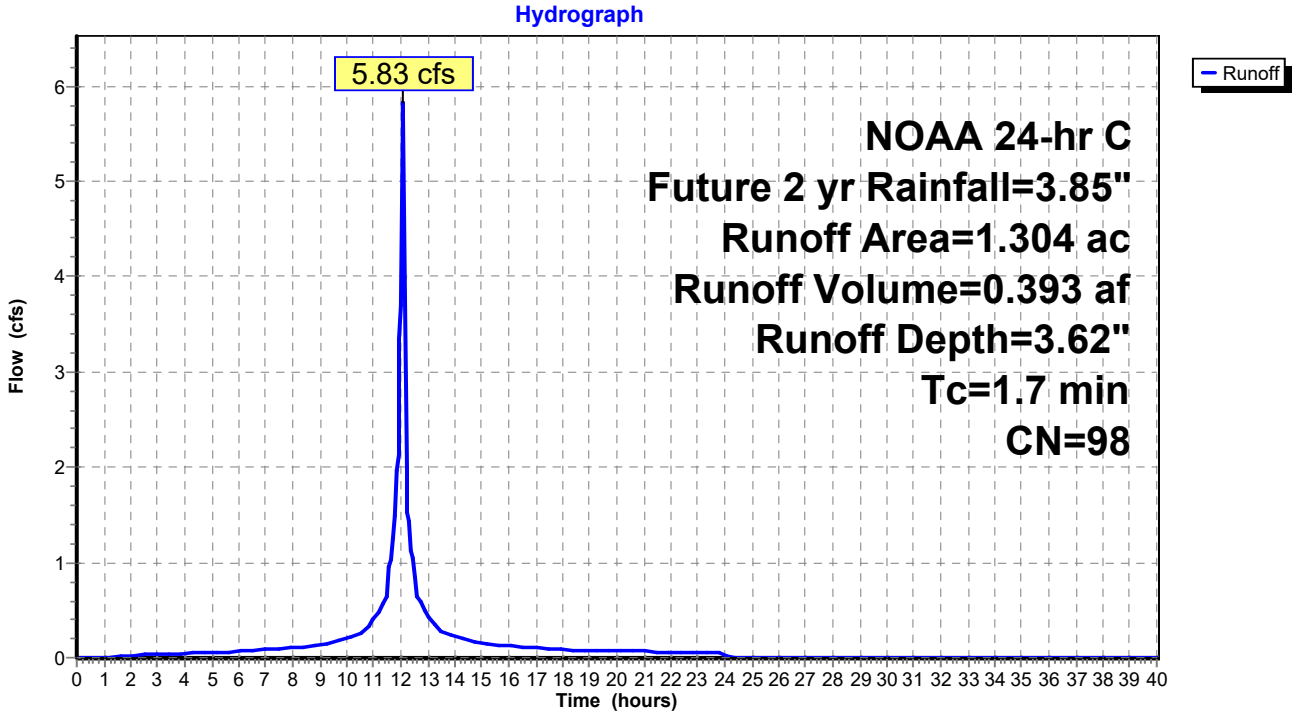
Runoff = 5.83 cfs @ 12.07 hrs, Volume= 0.393 af, Depth= 3.62"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**

Subcatchment 11I: PDA-11 (impervious)



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.03
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.03
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.03
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.04
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.04
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.04
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.04
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.04
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.04
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.04
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.04
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.04
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.04
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.04
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.04
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.04
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.04
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.04
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.04
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.04
1.25	0.05	0.00	0.01	3.85	0.18	0.06	0.05
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.05
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.05
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.05
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.05
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.05
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.05
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.05
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.05
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.05
1.75	0.08	0.01	0.02	4.35	0.21	0.08	0.05
1.80	0.08	0.01	0.02	4.40	0.21	0.08	0.05
1.85	0.08	0.01	0.02	4.45	0.21	0.08	0.05
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.05
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.05
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.05
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.05
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.05
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.05
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.06
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.06
2.30	0.10	0.01	0.03	4.90	0.24	0.10	0.06
2.35	0.10	0.01	0.03	4.95	0.24	0.10	0.06
2.40	0.11	0.02	0.03	5.00	0.24	0.10	0.06
2.45	0.11	0.02	0.03	5.05	0.25	0.10	0.06
2.50	0.11	0.02	0.03	5.10	0.25	0.11	0.06
2.55	0.11	0.02	0.03	5.15	0.25	0.11	0.06

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.06	7.80	0.44	0.27	0.10
5.25	0.26	0.11	0.06	7.85	0.45	0.27	0.11
5.30	0.26	0.12	0.06	7.90	0.45	0.27	0.11
5.35	0.27	0.12	0.06	7.95	0.46	0.28	0.11
5.40	0.27	0.12	0.06	8.00	0.46	0.28	0.11
5.45	0.27	0.12	0.06	8.05	0.47	0.29	0.11
5.50	0.27	0.12	0.06	8.10	0.47	0.29	0.11
5.55	0.28	0.13	0.06	8.15	0.48	0.30	0.11
5.60	0.28	0.13	0.06	8.20	0.48	0.30	0.11
5.65	0.28	0.13	0.06	8.25	0.49	0.30	0.11
5.70	0.29	0.13	0.06	8.30	0.49	0.31	0.12
5.75	0.29	0.14	0.06	8.35	0.49	0.31	0.12
5.80	0.29	0.14	0.06	8.40	0.50	0.32	0.12
5.85	0.30	0.14	0.06	8.45	0.50	0.32	0.12
5.90	0.30	0.14	0.07	8.50	0.51	0.33	0.12
5.95	0.30	0.15	0.07	8.55	0.51	0.33	0.12
6.00	0.31	0.15	0.07	8.60	0.52	0.34	0.12
6.05	0.31	0.15	0.07	8.65	0.53	0.34	0.12
6.10	0.31	0.15	0.07	8.70	0.53	0.35	0.12
6.15	0.31	0.16	0.07	8.75	0.54	0.35	0.13
6.20	0.32	0.16	0.07	8.80	0.54	0.36	0.13
6.25	0.32	0.16	0.07	8.85	0.55	0.36	0.13
6.30	0.32	0.17	0.07	8.90	0.55	0.36	0.13
6.35	0.33	0.17	0.07	8.95	0.56	0.37	0.13
6.40	0.33	0.17	0.07	9.00	0.56	0.37	0.13
6.45	0.33	0.17	0.08	9.05	0.57	0.38	0.14
6.50	0.34	0.18	0.08	9.10	0.57	0.39	0.14
6.55	0.34	0.18	0.08	9.15	0.58	0.39	0.14
6.60	0.35	0.18	0.08	9.20	0.59	0.40	0.15
6.65	0.35	0.19	0.08	9.25	0.59	0.40	0.15
6.70	0.35	0.19	0.08	9.30	0.60	0.41	0.15
6.75	0.36	0.19	0.08	9.35	0.60	0.41	0.16
6.80	0.36	0.19	0.08	9.40	0.61	0.42	0.16
6.85	0.36	0.20	0.08	9.45	0.62	0.43	0.17
6.90	0.37	0.20	0.09	9.50	0.62	0.43	0.17
6.95	0.37	0.20	0.09	9.55	0.63	0.44	0.17
7.00	0.38	0.21	0.09	9.60	0.64	0.45	0.18
7.05	0.38	0.21	0.09	9.65	0.65	0.45	0.18
7.10	0.38	0.21	0.09	9.70	0.65	0.46	0.18
7.15	0.39	0.22	0.09	9.75	0.66	0.47	0.19
7.20	0.39	0.22	0.09	9.80	0.67	0.47	0.19
7.25	0.40	0.23	0.09	9.85	0.68	0.48	0.20
7.30	0.40	0.23	0.09	9.90	0.69	0.49	0.20
7.35	0.40	0.23	0.10	9.95	0.69	0.50	0.20
7.40	0.41	0.24	0.10	10.00	0.70	0.51	0.21
7.45	0.41	0.24	0.10	10.05	0.71	0.51	0.21
7.50	0.42	0.24	0.10	10.10	0.72	0.52	0.21
7.55	0.42	0.25	0.10	10.15	0.73	0.53	0.22
7.60	0.43	0.25	0.10	10.20	0.74	0.54	0.22
7.65	0.43	0.25	0.10	10.25	0.75	0.55	0.23
7.70	0.43	0.26	0.10	10.30	0.76	0.56	0.23
7.75	0.44	0.26	0.10	10.35	0.76	0.56	0.24

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.24	13.00	2.93	2.69	0.45
10.45	0.78	0.58	0.24	13.05	2.94	2.71	0.41
10.50	0.79	0.59	0.25	13.10	2.96	2.73	0.40
10.55	0.80	0.60	0.27	13.15	2.97	2.74	0.37
10.60	0.82	0.61	0.27	13.20	2.98	2.75	0.37
10.65	0.83	0.62	0.30	13.25	3.00	2.77	0.34
10.70	0.84	0.64	0.30	13.30	3.01	2.78	0.34
10.75	0.85	0.65	0.33	13.35	3.02	2.79	0.32
10.80	0.87	0.66	0.33	13.40	3.03	2.80	0.31
10.85	0.88	0.67	0.35	13.45	3.05	2.81	0.29
10.90	0.89	0.69	0.36	13.50	3.06	2.82	0.28
10.95	0.91	0.70	0.38	13.55	3.07	2.83	0.26
11.00	0.92	0.72	0.39	13.60	3.08	2.84	0.25
11.05	0.94	0.73	0.43	13.65	3.09	2.85	0.25
11.10	0.96	0.75	0.44	13.70	3.09	2.86	0.25
11.15	0.98	0.77	0.49	13.75	3.10	2.87	0.24
11.20	1.00	0.79	0.50	13.80	3.11	2.88	0.24
11.25	1.02	0.81	0.54	13.85	3.12	2.89	0.23
11.30	1.04	0.83	0.55	13.90	3.13	2.90	0.23
11.35	1.06	0.85	0.60	13.95	3.14	2.91	0.23
11.40	1.09	0.88	0.61	14.00	3.15	2.92	0.22
11.45	1.11	0.90	0.64	14.05	3.16	2.92	0.22
11.50	1.14	0.92	0.67	14.10	3.16	2.93	0.22
11.55	1.18	0.96	0.96	14.15	3.17	2.94	0.21
11.60	1.22	1.00	1.00	14.20	3.18	2.95	0.21
11.65	1.26	1.04	1.05	14.25	3.19	2.96	0.20
11.70	1.30	1.08	1.09	14.30	3.20	2.96	0.20
11.75	1.35	1.14	1.41	14.35	3.20	2.97	0.19
11.80	1.41	1.19	1.50	14.40	3.21	2.98	0.19
11.85	1.49	1.27	1.96	14.45	3.22	2.99	0.19
11.90	1.57	1.34	2.14	14.50	3.23	2.99	0.19
11.95	1.70	1.48	3.34	14.55	3.23	3.00	0.18
12.00	1.83	1.61	3.69	14.60	3.24	3.01	0.18
12.05	2.06	1.83	**5.60**	14.65	3.25	3.01	0.17
12.10	2.28	2.06	5.55	14.70	3.25	3.02	0.17
12.15	2.36	2.13	2.44	14.75	3.26	3.03	0.17
12.20	2.44	2.21	1.99	14.80	3.26	3.03	0.16
12.25	2.50	2.27	1.53	14.85	3.27	3.04	0.16
12.30	2.55	2.32	1.44	14.90	3.28	3.04	0.16
12.35	2.59	2.36	1.11	14.95	3.28	3.05	0.15
12.40	2.63	2.40	1.07	15.00	3.29	3.05	0.15
12.45	2.67	2.44	1.02	15.05	3.29	3.06	0.14
12.50	2.71	2.48	0.99	15.10	3.30	3.07	0.14
12.55	2.74	2.51	0.70	15.15	3.30	3.07	0.14
12.60	2.76	2.53	0.65	15.20	3.31	3.08	0.14
12.65	2.79	2.56	0.62	15.25	3.31	3.08	0.14
12.70	2.81	2.58	0.61	15.30	3.32	3.09	0.14
12.75	2.83	2.60	0.57	15.35	3.32	3.09	0.14
12.80	2.85	2.62	0.56	15.40	3.33	3.10	0.14
12.85	2.87	2.64	0.51	15.45	3.34	3.10	0.13
12.90	2.89	2.66	0.50	15.50	3.34	3.11	0.13
12.95	2.91	2.68	0.46	15.55	3.35	3.11	0.13

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.13	18.20	3.56	3.32	0.08
15.65	3.36	3.12	0.13	18.25	3.56	3.33	0.08
15.70	3.36	3.13	0.13	18.30	3.56	3.33	0.08
15.75	3.36	3.13	0.13	18.35	3.57	3.33	0.08
15.80	3.37	3.14	0.13	18.40	3.57	3.34	0.08
15.85	3.37	3.14	0.13	18.45	3.57	3.34	0.08
15.90	3.38	3.15	0.13	18.50	3.58	3.34	0.08
15.95	3.38	3.15	0.12	18.55	3.58	3.34	0.08
16.00	3.39	3.16	0.12	18.60	3.58	3.35	0.08
16.05	3.39	3.16	0.12	18.65	3.58	3.35	0.08
16.10	3.40	3.16	0.12	18.70	3.59	3.35	0.08
16.15	3.40	3.17	0.12	18.75	3.59	3.36	0.08
16.20	3.41	3.17	0.12	18.80	3.59	3.36	0.08
16.25	3.41	3.18	0.12	18.85	3.60	3.36	0.08
16.30	3.42	3.18	0.12	18.90	3.60	3.37	0.08
16.35	3.42	3.19	0.12	18.95	3.60	3.37	0.08
16.40	3.42	3.19	0.12	19.00	3.61	3.37	0.08
16.45	3.43	3.20	0.11	19.05	3.61	3.37	0.08
16.50	3.43	3.20	0.11	19.10	3.61	3.38	0.08
16.55	3.44	3.20	0.11	19.15	3.61	3.38	0.08
16.60	3.44	3.21	0.11	19.20	3.62	3.38	0.08
16.65	3.45	3.21	0.11	19.25	3.62	3.39	0.08
16.70	3.45	3.22	0.11	19.30	3.62	3.39	0.08
16.75	3.45	3.22	0.11	19.35	3.63	3.39	0.07
16.80	3.46	3.23	0.11	19.40	3.63	3.39	0.07
16.85	3.46	3.23	0.11	19.45	3.63	3.40	0.07
16.90	3.47	3.23	0.11	19.50	3.63	3.40	0.07
16.95	3.47	3.24	0.10	19.55	3.64	3.40	0.07
17.00	3.47	3.24	0.10	19.60	3.64	3.41	0.07
17.05	3.48	3.24	0.10	19.65	3.64	3.41	0.07
17.10	3.48	3.25	0.10	19.70	3.65	3.41	0.07
17.15	3.49	3.25	0.10	19.75	3.65	3.41	0.07
17.20	3.49	3.26	0.10	19.80	3.65	3.42	0.07
17.25	3.49	3.26	0.10	19.85	3.65	3.42	0.07
17.30	3.50	3.26	0.10	19.90	3.66	3.42	0.07
17.35	3.50	3.27	0.10	19.95	3.66	3.42	0.07
17.40	3.50	3.27	0.10	20.00	3.66	3.43	0.07
17.45	3.51	3.27	0.09	20.05	3.66	3.43	0.07
17.50	3.51	3.28	0.09	20.10	3.67	3.43	0.07
17.55	3.52	3.28	0.09	20.15	3.67	3.44	0.07
17.60	3.52	3.28	0.09	20.20	3.67	3.44	0.07
17.65	3.52	3.29	0.09	20.25	3.68	3.44	0.07
17.70	3.53	3.29	0.09	20.30	3.68	3.44	0.07
17.75	3.53	3.30	0.09	20.35	3.68	3.45	0.07
17.80	3.53	3.30	0.09	20.40	3.68	3.45	0.07
17.85	3.54	3.30	0.09	20.45	3.69	3.45	0.07
17.90	3.54	3.30	0.09	20.50	3.69	3.45	0.07
17.95	3.54	3.31	0.08	20.55	3.69	3.46	0.07
18.00	3.54	3.31	0.08	20.60	3.69	3.46	0.07
18.05	3.55	3.31	0.08	20.65	3.70	3.46	0.07
18.10	3.55	3.32	0.08	20.70	3.70	3.46	0.07
18.15	3.55	3.32	0.08	20.75	3.70	3.47	0.07

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.07	23.40	3.82	3.59	0.05
20.85	3.71	3.47	0.07	23.45	3.83	3.59	0.05
20.90	3.71	3.47	0.07	23.50	3.83	3.59	0.05
20.95	3.71	3.48	0.07	23.55	3.83	3.60	0.05
21.00	3.71	3.48	0.07	23.60	3.83	3.60	0.05
21.05	3.72	3.48	0.07	23.65	3.84	3.60	0.05
21.10	3.72	3.49	0.07	23.70	3.84	3.60	0.05
21.15	3.72	3.49	0.07	23.75	3.84	3.60	0.05
21.20	3.72	3.49	0.07	23.80	3.84	3.61	0.05
21.25	3.73	3.49	0.07	23.85	3.84	3.61	0.05
21.30	3.73	3.50	0.07	23.90	3.85	3.61	0.05
21.35	3.73	3.50	0.06	23.95	3.85	3.61	0.06
21.40	3.73	3.50	0.06	24.00	**3.85**	**3.62**	0.06
21.45	3.74	3.50	0.06	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.06	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.06	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.06	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.06	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.06	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.06	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.06	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.06	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.06	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.06	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.06	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.06	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.06	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.06	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.06	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.06	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.06	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.06	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.06	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.06	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.06	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.06	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.06	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.06	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.06	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.06	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.06	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.06	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.06	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.06	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.06	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.06	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.06	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.06	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.06	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.06	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.06	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.06	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

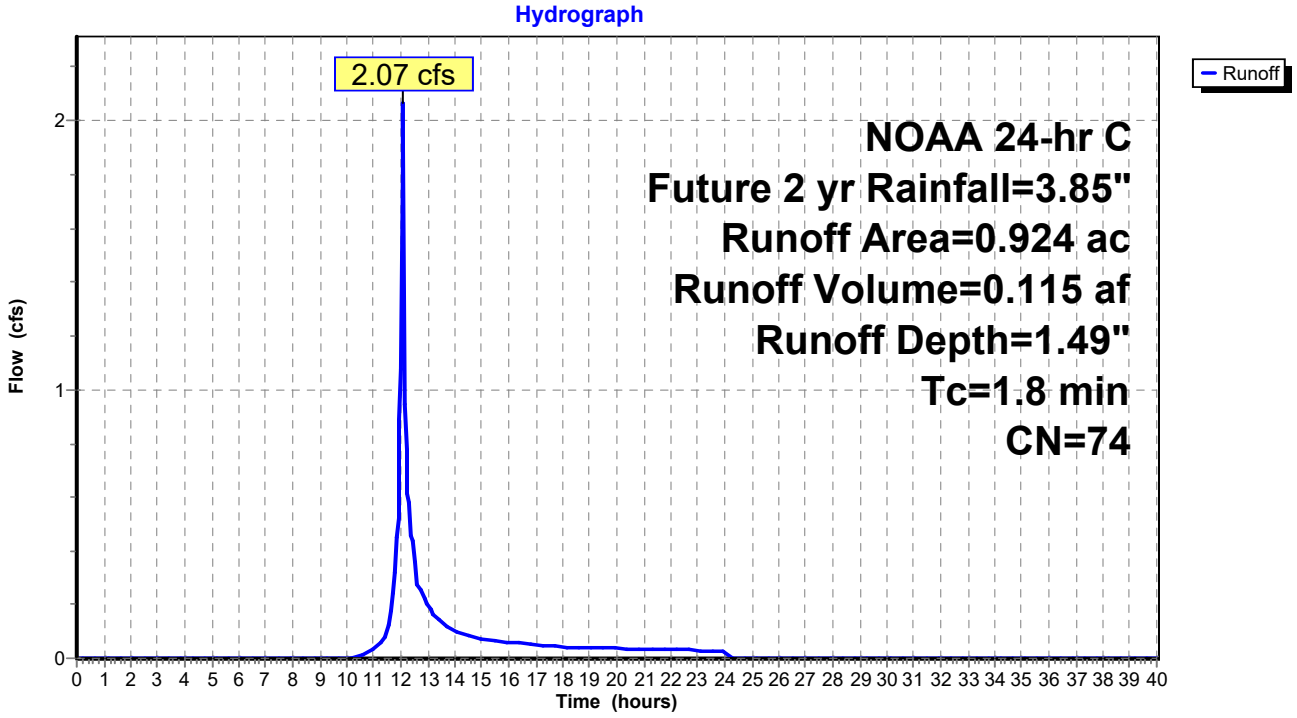
Runoff = 2.07 cfs @ 12.08 hrs, Volume= 0.115 af, Depth= 1.49"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.20
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.18
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.18
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.17
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.17
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.16
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.15
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.14
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.14
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.13
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.13
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.12
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.12
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.11
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.11
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.11
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.11
11.25	1.02	0.03	0.06	13.85	3.12	0.99	0.11
11.30	1.04	0.03	0.07	13.90	3.13	0.99	0.11
11.35	1.06	0.03	0.07	13.95	3.14	1.00	0.10
11.40	1.09	0.04	0.08	14.00	3.15	1.00	0.10
11.45	1.11	0.04	0.09	14.05	3.16	1.01	0.10
11.50	1.14	0.05	0.10	14.10	3.16	1.01	0.10
11.55	1.18	0.06	0.15	14.15	3.17	1.02	0.10
11.60	1.22	0.07	0.17	14.20	3.18	1.02	0.10
11.65	1.26	0.08	0.19	14.25	3.19	1.03	0.09
11.70	1.30	0.09	0.20	14.30	3.20	1.03	0.09
11.75	1.35	0.10	0.28	14.35	3.20	1.04	0.09
11.80	1.41	0.12	0.32	14.40	3.21	1.04	0.09
11.85	1.49	0.14	0.45	14.45	3.22	1.05	0.09
11.90	1.57	0.17	0.52	14.50	3.23	1.05	0.09
11.95	1.70	0.22	0.89	14.55	3.23	1.06	0.08
12.00	1.83	0.28	1.08	14.60	3.24	1.06	0.08
12.05	2.06	0.38	1.80	14.65	3.25	1.07	0.08
12.10	2.28	0.49	**1.99**	14.70	3.25	1.07	0.08
12.15	2.36	0.53	0.95	14.75	3.26	1.08	0.08
12.20	2.44	0.57	0.78	14.80	3.26	1.08	0.08
12.25	2.50	0.61	0.61	14.85	3.27	1.08	0.07
12.30	2.55	0.64	0.58	14.90	3.28	1.09	0.07
12.35	2.59	0.66	0.46	14.95	3.28	1.09	0.07
12.40	2.63	0.69	0.44	15.00	3.29	1.10	0.07
12.45	2.67	0.71	0.43	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.42	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.30	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.28	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.27	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.26	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.25	15.35	3.32	1.12	0.06
12.80	2.85	0.82	0.24	15.40	3.33	1.12	0.06
12.85	2.87	0.83	0.23	15.45	3.34	1.13	0.06
12.90	2.89	0.84	0.22	15.50	3.34	1.13	0.06
12.95	2.91	0.85	0.20	15.55	3.35	1.13	0.06

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.06	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.05	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.05	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.05	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.05	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.05	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.04	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.04	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

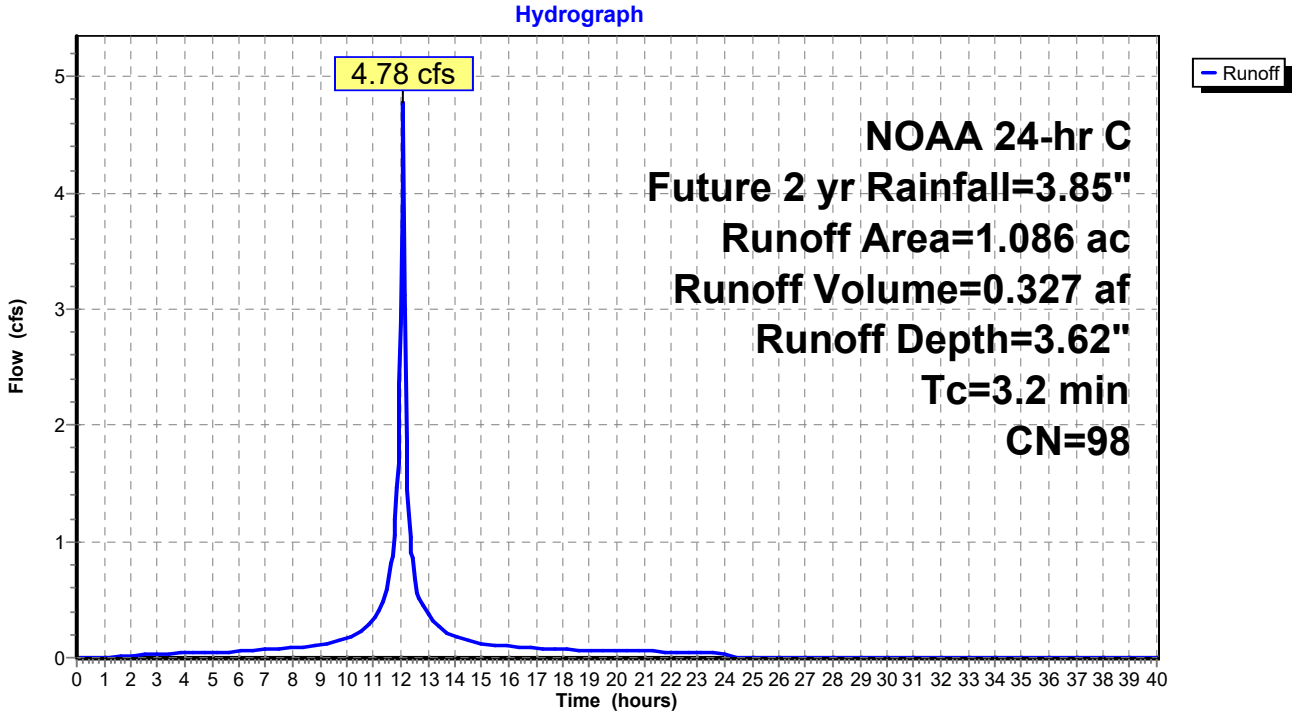
Runoff = 4.78 cfs @ 12.09 hrs, Volume= 0.327 af, Depth= 3.62"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.03
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.03
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.03
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.03
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.04
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.04
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.04
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.04
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.04
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.04
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.04
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.04
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.04
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.04
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.04
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.04
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.04
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.04
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.04
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.04
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.04
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.04
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.04
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.04
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.04
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.05
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.05
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.05
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.05
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.05
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.05
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.05
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.05
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.05
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.05

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.05	7.80	0.44	0.27	0.09
5.25	0.26	0.11	0.05	7.85	0.45	0.27	0.09
5.30	0.26	0.12	0.05	7.90	0.45	0.27	0.09
5.35	0.27	0.12	0.05	7.95	0.46	0.28	0.09
5.40	0.27	0.12	0.05	8.00	0.46	0.28	0.09
5.45	0.27	0.12	0.05	8.05	0.47	0.29	0.09
5.50	0.27	0.12	0.05	8.10	0.47	0.29	0.09
5.55	0.28	0.13	0.05	8.15	0.48	0.30	0.09
5.60	0.28	0.13	0.05	8.20	0.48	0.30	0.09
5.65	0.28	0.13	0.05	8.25	0.49	0.30	0.10
5.70	0.29	0.13	0.05	8.30	0.49	0.31	0.10
5.75	0.29	0.14	0.05	8.35	0.49	0.31	0.10
5.80	0.29	0.14	0.05	8.40	0.50	0.32	0.10
5.85	0.30	0.14	0.05	8.45	0.50	0.32	0.10
5.90	0.30	0.14	0.05	8.50	0.51	0.33	0.10
5.95	0.30	0.15	0.05	8.55	0.51	0.33	0.10
6.00	0.31	0.15	0.05	8.60	0.52	0.34	0.10
6.05	0.31	0.15	0.06	8.65	0.53	0.34	0.10
6.10	0.31	0.15	0.06	8.70	0.53	0.35	0.10
6.15	0.31	0.16	0.06	8.75	0.54	0.35	0.10
6.20	0.32	0.16	0.06	8.80	0.54	0.36	0.10
6.25	0.32	0.16	0.06	8.85	0.55	0.36	0.11
6.30	0.32	0.17	0.06	8.90	0.55	0.36	0.11
6.35	0.33	0.17	0.06	8.95	0.56	0.37	0.11
6.40	0.33	0.17	0.06	9.00	0.56	0.37	0.11
6.45	0.33	0.17	0.06	9.05	0.57	0.38	0.11
6.50	0.34	0.18	0.06	9.10	0.57	0.39	0.11
6.55	0.34	0.18	0.06	9.15	0.58	0.39	0.12
6.60	0.35	0.18	0.07	9.20	0.59	0.40	0.12
6.65	0.35	0.19	0.07	9.25	0.59	0.40	0.12
6.70	0.35	0.19	0.07	9.30	0.60	0.41	0.13
6.75	0.36	0.19	0.07	9.35	0.60	0.41	0.13
6.80	0.36	0.19	0.07	9.40	0.61	0.42	0.13
6.85	0.36	0.20	0.07	9.45	0.62	0.43	0.14
6.90	0.37	0.20	0.07	9.50	0.62	0.43	0.14
6.95	0.37	0.20	0.07	9.55	0.63	0.44	0.14
7.00	0.38	0.21	0.07	9.60	0.64	0.45	0.15
7.05	0.38	0.21	0.07	9.65	0.65	0.45	0.15
7.10	0.38	0.21	0.07	9.70	0.65	0.46	0.15
7.15	0.39	0.22	0.08	9.75	0.66	0.47	0.16
7.20	0.39	0.22	0.08	9.80	0.67	0.47	0.16
7.25	0.40	0.23	0.08	9.85	0.68	0.48	0.16
7.30	0.40	0.23	0.08	9.90	0.69	0.49	0.16
7.35	0.40	0.23	0.08	9.95	0.69	0.50	0.17
7.40	0.41	0.24	0.08	10.00	0.70	0.51	0.17
7.45	0.41	0.24	0.08	10.05	0.71	0.51	0.17
7.50	0.42	0.24	0.08	10.10	0.72	0.52	0.18
7.55	0.42	0.25	0.08	10.15	0.73	0.53	0.18
7.60	0.43	0.25	0.08	10.20	0.74	0.54	0.18
7.65	0.43	0.25	0.08	10.25	0.75	0.55	0.19
7.70	0.43	0.26	0.09	10.30	0.76	0.56	0.19
7.75	0.44	0.26	0.09	10.35	0.76	0.56	0.19

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.20	13.00	2.93	2.69	0.38
10.45	0.78	0.58	0.20	13.05	2.94	2.71	0.35
10.50	0.79	0.59	0.20	13.10	2.96	2.73	0.33
10.55	0.80	0.60	0.22	13.15	2.97	2.74	0.32
10.60	0.82	0.61	0.23	13.20	2.98	2.75	0.31
10.65	0.83	0.62	0.24	13.25	3.00	2.77	0.30
10.70	0.84	0.64	0.25	13.30	3.01	2.78	0.29
10.75	0.85	0.65	0.26	13.35	3.02	2.79	0.27
10.80	0.87	0.66	0.27	13.40	3.03	2.80	0.26
10.85	0.88	0.67	0.29	13.45	3.05	2.81	0.25
10.90	0.89	0.69	0.30	13.50	3.06	2.82	0.24
10.95	0.91	0.70	0.31	13.55	3.07	2.83	0.22
11.00	0.92	0.72	0.32	13.60	3.08	2.84	0.21
11.05	0.94	0.73	0.35	13.65	3.09	2.85	0.21
11.10	0.96	0.75	0.36	13.70	3.09	2.86	0.21
11.15	0.98	0.77	0.39	13.75	3.10	2.87	0.20
11.20	1.00	0.79	0.41	13.80	3.11	2.88	0.20
11.25	1.02	0.81	0.44	13.85	3.12	2.89	0.20
11.30	1.04	0.83	0.45	13.90	3.13	2.90	0.19
11.35	1.06	0.85	0.48	13.95	3.14	2.91	0.19
11.40	1.09	0.88	0.50	14.00	3.15	2.92	0.19
11.45	1.11	0.90	0.52	14.05	3.16	2.92	0.18
11.50	1.14	0.92	0.54	14.10	3.16	2.93	0.18
11.55	1.18	0.96	0.70	14.15	3.17	2.94	0.18
11.60	1.22	1.00	0.82	14.20	3.18	2.95	0.17
11.65	1.26	1.04	0.86	14.25	3.19	2.96	0.17
11.70	1.30	1.08	0.88	14.30	3.20	2.96	0.17
11.75	1.35	1.14	1.06	14.35	3.20	2.97	0.16
11.80	1.41	1.19	1.20	14.40	3.21	2.98	0.16
11.85	1.49	1.27	1.47	14.45	3.22	2.99	0.16
11.90	1.57	1.34	1.68	14.50	3.23	2.99	0.16
11.95	1.70	1.48	2.36	14.55	3.23	3.00	0.15
12.00	1.83	1.61	2.88	14.60	3.24	3.01	0.15
12.05	2.06	1.83	3.99	14.65	3.25	3.01	0.15
12.10	2.28	2.06	**4.74**	14.70	3.25	3.02	0.14
12.15	2.36	2.13	3.12	14.75	3.26	3.03	0.14
12.20	2.44	2.21	1.85	14.80	3.26	3.03	0.14
12.25	2.50	2.27	1.45	14.85	3.27	3.04	0.13
12.30	2.55	2.32	1.24	14.90	3.28	3.04	0.13
12.35	2.59	2.36	1.04	14.95	3.28	3.05	0.13
12.40	2.63	2.40	0.91	15.00	3.29	3.05	0.12
12.45	2.67	2.44	0.87	15.05	3.29	3.06	0.12
12.50	2.71	2.48	0.85	15.10	3.30	3.07	0.12
12.55	2.74	2.51	0.68	15.15	3.30	3.07	0.12
12.60	2.76	2.53	0.56	15.20	3.31	3.08	0.12
12.65	2.79	2.56	0.53	15.25	3.31	3.08	0.12
12.70	2.81	2.58	0.51	15.30	3.32	3.09	0.11
12.75	2.83	2.60	0.49	15.35	3.32	3.09	0.11
12.80	2.85	2.62	0.47	15.40	3.33	3.10	0.11
12.85	2.87	2.64	0.44	15.45	3.34	3.10	0.11
12.90	2.89	2.66	0.42	15.50	3.34	3.11	0.11
12.95	2.91	2.68	0.40	15.55	3.35	3.11	0.11

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.11	18.20	3.56	3.32	0.07
15.65	3.36	3.12	0.11	18.25	3.56	3.33	0.07
15.70	3.36	3.13	0.11	18.30	3.56	3.33	0.07
15.75	3.36	3.13	0.11	18.35	3.57	3.33	0.07
15.80	3.37	3.14	0.11	18.40	3.57	3.34	0.07
15.85	3.37	3.14	0.11	18.45	3.57	3.34	0.07
15.90	3.38	3.15	0.10	18.50	3.58	3.34	0.07
15.95	3.38	3.15	0.10	18.55	3.58	3.34	0.07
16.00	3.39	3.16	0.10	18.60	3.58	3.35	0.07
16.05	3.39	3.16	0.10	18.65	3.58	3.35	0.07
16.10	3.40	3.16	0.10	18.70	3.59	3.35	0.07
16.15	3.40	3.17	0.10	18.75	3.59	3.36	0.06
16.20	3.41	3.17	0.10	18.80	3.59	3.36	0.06
16.25	3.41	3.18	0.10	18.85	3.60	3.36	0.06
16.30	3.42	3.18	0.10	18.90	3.60	3.37	0.06
16.35	3.42	3.19	0.10	18.95	3.60	3.37	0.06
16.40	3.42	3.19	0.10	19.00	3.61	3.37	0.06
16.45	3.43	3.20	0.10	19.05	3.61	3.37	0.06
16.50	3.43	3.20	0.09	19.10	3.61	3.38	0.06
16.55	3.44	3.20	0.09	19.15	3.61	3.38	0.06
16.60	3.44	3.21	0.09	19.20	3.62	3.38	0.06
16.65	3.45	3.21	0.09	19.25	3.62	3.39	0.06
16.70	3.45	3.22	0.09	19.30	3.62	3.39	0.06
16.75	3.45	3.22	0.09	19.35	3.63	3.39	0.06
16.80	3.46	3.23	0.09	19.40	3.63	3.39	0.06
16.85	3.46	3.23	0.09	19.45	3.63	3.40	0.06
16.90	3.47	3.23	0.09	19.50	3.63	3.40	0.06
16.95	3.47	3.24	0.09	19.55	3.64	3.40	0.06
17.00	3.47	3.24	0.09	19.60	3.64	3.41	0.06
17.05	3.48	3.24	0.09	19.65	3.64	3.41	0.06
17.10	3.48	3.25	0.08	19.70	3.65	3.41	0.06
17.15	3.49	3.25	0.08	19.75	3.65	3.41	0.06
17.20	3.49	3.26	0.08	19.80	3.65	3.42	0.06
17.25	3.49	3.26	0.08	19.85	3.65	3.42	0.06
17.30	3.50	3.26	0.08	19.90	3.66	3.42	0.06
17.35	3.50	3.27	0.08	19.95	3.66	3.42	0.06
17.40	3.50	3.27	0.08	20.00	3.66	3.43	0.06
17.45	3.51	3.27	0.08	20.05	3.66	3.43	0.06
17.50	3.51	3.28	0.08	20.10	3.67	3.43	0.06
17.55	3.52	3.28	0.08	20.15	3.67	3.44	0.06
17.60	3.52	3.28	0.08	20.20	3.67	3.44	0.06
17.65	3.52	3.29	0.08	20.25	3.68	3.44	0.06
17.70	3.53	3.29	0.07	20.30	3.68	3.44	0.06
17.75	3.53	3.30	0.07	20.35	3.68	3.45	0.06
17.80	3.53	3.30	0.07	20.40	3.68	3.45	0.06
17.85	3.54	3.30	0.07	20.45	3.69	3.45	0.06
17.90	3.54	3.30	0.07	20.50	3.69	3.45	0.06
17.95	3.54	3.31	0.07	20.55	3.69	3.46	0.06
18.00	3.54	3.31	0.07	20.60	3.69	3.46	0.06
18.05	3.55	3.31	0.07	20.65	3.70	3.46	0.06
18.10	3.55	3.32	0.07	20.70	3.70	3.46	0.06
18.15	3.55	3.32	0.07	20.75	3.70	3.47	0.06

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.06	23.40	3.82	3.59	0.05
20.85	3.71	3.47	0.06	23.45	3.83	3.59	0.05
20.90	3.71	3.47	0.06	23.50	3.83	3.59	0.05
20.95	3.71	3.48	0.06	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.06	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.06	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.06	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.05	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.05	23.80	3.84	3.61	0.04
21.25	3.73	3.49	0.05	23.85	3.84	3.61	0.04
21.30	3.73	3.50	0.05	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.05	23.95	3.85	3.61	0.05
21.40	3.73	3.50	0.05	24.00	**3.85**	**3.62**	0.05
21.45	3.74	3.50	0.05	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.05	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.05	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.05	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.05	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.05	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.05	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.05	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.05	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.05	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.05	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.05	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.05	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.05	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.05	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.05	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.05	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.05	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.05	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.05	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.05	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.05	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.05	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.05	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.05	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.05	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.05	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.05	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.05	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.05	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.05	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.05	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.05	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.05	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.05	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.05	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.05	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.05	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.05	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

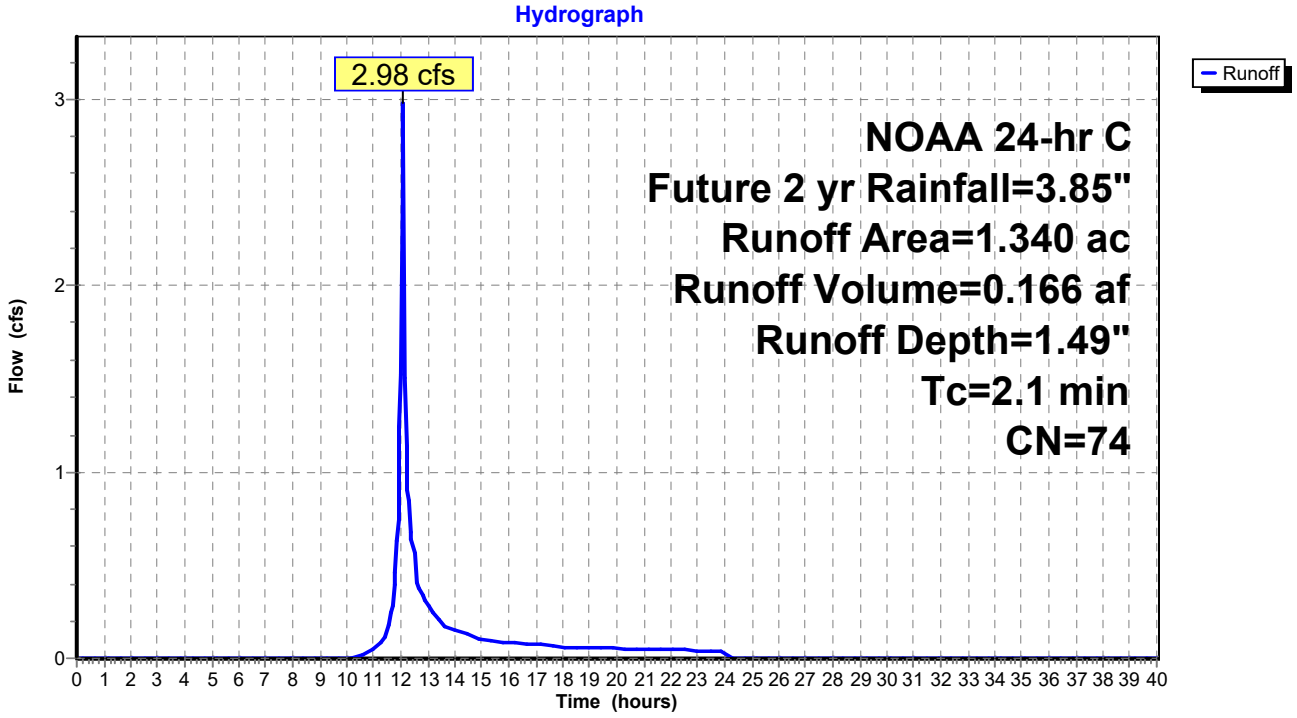
Runoff = 2.98 cfs @ 12.09 hrs, Volume= 0.166 af, Depth= 1.49"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.01
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.29
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.26
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.26
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.24
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.24
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.23
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.22
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.21
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.20
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.19
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.19
10.95	0.91	0.01	0.04	13.55	3.07	0.95	0.17
11.00	0.92	0.01	0.05	13.60	3.08	0.96	0.17
11.05	0.94	0.02	0.05	13.65	3.09	0.96	0.17
11.10	0.96	0.02	0.06	13.70	3.09	0.97	0.16
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.16
11.20	1.00	0.02	0.08	13.80	3.11	0.98	0.16
11.25	1.02	0.03	0.09	13.85	3.12	0.99	0.16
11.30	1.04	0.03	0.09	13.90	3.13	0.99	0.16
11.35	1.06	0.03	0.11	13.95	3.14	1.00	0.15
11.40	1.09	0.04	0.12	14.00	3.15	1.00	0.15
11.45	1.11	0.04	0.13	14.05	3.16	1.01	0.15
11.50	1.14	0.05	0.14	14.10	3.16	1.01	0.15
11.55	1.18	0.06	0.21	14.15	3.17	1.02	0.14
11.60	1.22	0.07	0.24	14.20	3.18	1.02	0.14
11.65	1.26	0.08	0.27	14.25	3.19	1.03	0.14
11.70	1.30	0.09	0.29	14.30	3.20	1.03	0.14
11.75	1.35	0.10	0.40	14.35	3.20	1.04	0.13
11.80	1.41	0.12	0.46	14.40	3.21	1.04	0.13
11.85	1.49	0.14	0.63	14.45	3.22	1.05	0.13
11.90	1.57	0.17	0.74	14.50	3.23	1.05	0.13
11.95	1.70	0.22	1.24	14.55	3.23	1.06	0.12
12.00	1.83	0.28	1.52	14.60	3.24	1.06	0.12
12.05	2.06	0.38	2.52	14.65	3.25	1.07	0.12
12.10	2.28	0.49	**2.90**	14.70	3.25	1.07	0.12
12.15	2.36	0.53	1.50	14.75	3.26	1.08	0.11
12.20	2.44	0.57	1.14	14.80	3.26	1.08	0.11
12.25	2.50	0.61	0.91	14.85	3.27	1.08	0.11
12.30	2.55	0.64	0.85	14.90	3.28	1.09	0.11
12.35	2.59	0.66	0.68	14.95	3.28	1.09	0.10
12.40	2.63	0.69	0.64	15.00	3.29	1.10	0.10
12.45	2.67	0.71	0.62	15.05	3.29	1.10	0.10
12.50	2.71	0.73	0.61	15.10	3.30	1.10	0.10
12.55	2.74	0.75	0.45	15.15	3.30	1.11	0.10
12.60	2.76	0.76	0.41	15.20	3.31	1.11	0.10
12.65	2.79	0.78	0.39	15.25	3.31	1.11	0.10
12.70	2.81	0.79	0.38	15.30	3.32	1.12	0.09
12.75	2.83	0.80	0.36	15.35	3.32	1.12	0.09
12.80	2.85	0.82	0.35	15.40	3.33	1.12	0.09
12.85	2.87	0.83	0.33	15.45	3.34	1.13	0.09
12.90	2.89	0.84	0.32	15.50	3.34	1.13	0.09
12.95	2.91	0.85	0.30	15.55	3.35	1.13	0.09

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.09	18.20	3.56	1.28	0.06
15.65	3.36	1.14	0.09	18.25	3.56	1.28	0.06
15.70	3.36	1.14	0.09	18.30	3.56	1.28	0.06
15.75	3.36	1.15	0.09	18.35	3.57	1.29	0.06
15.80	3.37	1.15	0.09	18.40	3.57	1.29	0.06
15.85	3.37	1.15	0.09	18.45	3.57	1.29	0.06
15.90	3.38	1.16	0.09	18.50	3.58	1.29	0.06
15.95	3.38	1.16	0.09	18.55	3.58	1.29	0.06
16.00	3.39	1.16	0.09	18.60	3.58	1.30	0.06
16.05	3.39	1.17	0.09	18.65	3.58	1.30	0.06
16.10	3.40	1.17	0.09	18.70	3.59	1.30	0.06
16.15	3.40	1.17	0.08	18.75	3.59	1.30	0.06
16.20	3.41	1.18	0.08	18.80	3.59	1.30	0.06
16.25	3.41	1.18	0.08	18.85	3.60	1.31	0.06
16.30	3.42	1.18	0.08	18.90	3.60	1.31	0.06
16.35	3.42	1.19	0.08	18.95	3.60	1.31	0.06
16.40	3.42	1.19	0.08	19.00	3.61	1.31	0.06
16.45	3.43	1.19	0.08	19.05	3.61	1.32	0.06
16.50	3.43	1.19	0.08	19.10	3.61	1.32	0.06
16.55	3.44	1.20	0.08	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.08	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.08	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.08	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.08	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.08	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.07	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.07	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.07	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.07	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.07	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.07	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.07	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.07	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.07	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.07	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.07	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.07	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.07	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.05
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.05
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.05
17.85	3.54	1.26	0.06	20.45	3.69	1.37	0.05
17.90	3.54	1.27	0.06	20.50	3.69	1.37	0.05
17.95	3.54	1.27	0.06	20.55	3.69	1.37	0.05
18.00	3.54	1.27	0.06	20.60	3.69	1.38	0.05
18.05	3.55	1.27	0.06	20.65	3.70	1.38	0.05
18.10	3.55	1.28	0.06	20.70	3.70	1.38	0.05
18.15	3.55	1.28	0.06	20.75	3.70	1.38	0.05

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.05	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.05	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.05	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.05	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.05	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.05	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.05	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.05	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.05	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.05	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.05	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.05	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.05	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.05	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.05	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.05	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.05	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.05	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.05	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.05	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.05	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

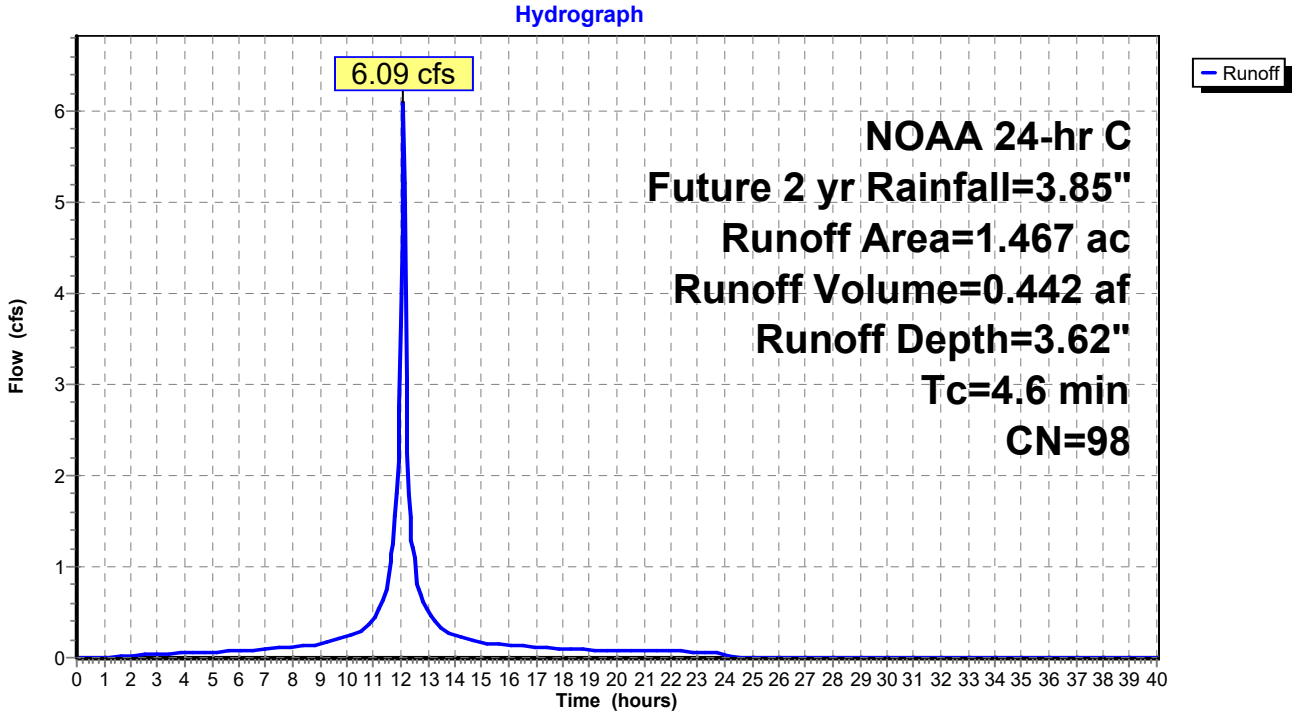
Runoff = 6.09 cfs @ 12.11 hrs, Volume= 0.442 af, Depth= 3.62"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.03
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.04
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.04
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.04
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.04
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.04
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.04
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.04
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.04
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.04
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.04
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.04
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.04
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.04
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.04
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.05
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.05
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.05
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.05
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.05
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.05
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.05
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.05
1.25	0.05	0.00	0.01	3.85	0.18	0.06	0.05
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.05
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.05
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.05
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.05
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.05
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.05
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.06
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.06
1.70	0.07	0.00	0.02	4.30	0.20	0.07	0.06
1.75	0.08	0.01	0.02	4.35	0.21	0.08	0.06
1.80	0.08	0.01	0.02	4.40	0.21	0.08	0.06
1.85	0.08	0.01	0.02	4.45	0.21	0.08	0.06
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.06
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.06
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.06
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.06
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.06
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.06
2.20	0.10	0.01	0.03	4.80	0.23	0.09	0.06
2.25	0.10	0.01	0.03	4.85	0.24	0.10	0.06
2.30	0.10	0.01	0.03	4.90	0.24	0.10	0.06
2.35	0.10	0.01	0.03	4.95	0.24	0.10	0.06
2.40	0.11	0.02	0.03	5.00	0.24	0.10	0.06
2.45	0.11	0.02	0.03	5.05	0.25	0.10	0.06
2.50	0.11	0.02	0.03	5.10	0.25	0.11	0.07
2.55	0.11	0.02	0.03	5.15	0.25	0.11	0.07

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.07	7.80	0.44	0.27	0.12
5.25	0.26	0.11	0.07	7.85	0.45	0.27	0.12
5.30	0.26	0.12	0.07	7.90	0.45	0.27	0.12
5.35	0.27	0.12	0.07	7.95	0.46	0.28	0.12
5.40	0.27	0.12	0.07	8.00	0.46	0.28	0.12
5.45	0.27	0.12	0.07	8.05	0.47	0.29	0.12
5.50	0.27	0.12	0.07	8.10	0.47	0.29	0.12
5.55	0.28	0.13	0.07	8.15	0.48	0.30	0.13
5.60	0.28	0.13	0.07	8.20	0.48	0.30	0.13
5.65	0.28	0.13	0.07	8.25	0.49	0.30	0.13
5.70	0.29	0.13	0.07	8.30	0.49	0.31	0.13
5.75	0.29	0.14	0.07	8.35	0.49	0.31	0.13
5.80	0.29	0.14	0.07	8.40	0.50	0.32	0.13
5.85	0.30	0.14	0.07	8.45	0.50	0.32	0.13
5.90	0.30	0.14	0.07	8.50	0.51	0.33	0.13
5.95	0.30	0.15	0.07	8.55	0.51	0.33	0.14
6.00	0.31	0.15	0.07	8.60	0.52	0.34	0.14
6.05	0.31	0.15	0.07	8.65	0.53	0.34	0.14
6.10	0.31	0.15	0.08	8.70	0.53	0.35	0.14
6.15	0.31	0.16	0.08	8.75	0.54	0.35	0.14
6.20	0.32	0.16	0.08	8.80	0.54	0.36	0.14
6.25	0.32	0.16	0.08	8.85	0.55	0.36	0.14
6.30	0.32	0.17	0.08	8.90	0.55	0.36	0.14
6.35	0.33	0.17	0.08	8.95	0.56	0.37	0.14
6.40	0.33	0.17	0.08	9.00	0.56	0.37	0.15
6.45	0.33	0.17	0.08	9.05	0.57	0.38	0.15
6.50	0.34	0.18	0.09	9.10	0.57	0.39	0.15
6.55	0.34	0.18	0.09	9.15	0.58	0.39	0.16
6.60	0.35	0.18	0.09	9.20	0.59	0.40	0.16
6.65	0.35	0.19	0.09	9.25	0.59	0.40	0.17
6.70	0.35	0.19	0.09	9.30	0.60	0.41	0.17
6.75	0.36	0.19	0.09	9.35	0.60	0.41	0.17
6.80	0.36	0.19	0.09	9.40	0.61	0.42	0.18
6.85	0.36	0.20	0.09	9.45	0.62	0.43	0.18
6.90	0.37	0.20	0.09	9.50	0.62	0.43	0.19
6.95	0.37	0.20	0.10	9.55	0.63	0.44	0.19
7.00	0.38	0.21	0.10	9.60	0.64	0.45	0.20
7.05	0.38	0.21	0.10	9.65	0.65	0.45	0.20
7.10	0.38	0.21	0.10	9.70	0.65	0.46	0.20
7.15	0.39	0.22	0.10	9.75	0.66	0.47	0.21
7.20	0.39	0.22	0.10	9.80	0.67	0.47	0.21
7.25	0.40	0.23	0.10	9.85	0.68	0.48	0.22
7.30	0.40	0.23	0.10	9.90	0.69	0.49	0.22
7.35	0.40	0.23	0.11	9.95	0.69	0.50	0.23
7.40	0.41	0.24	0.11	10.00	0.70	0.51	0.23
7.45	0.41	0.24	0.11	10.05	0.71	0.51	0.23
7.50	0.42	0.24	0.11	10.10	0.72	0.52	0.24
7.55	0.42	0.25	0.11	10.15	0.73	0.53	0.24
7.60	0.43	0.25	0.11	10.20	0.74	0.54	0.25
7.65	0.43	0.25	0.11	10.25	0.75	0.55	0.25
7.70	0.43	0.26	0.11	10.30	0.76	0.56	0.26
7.75	0.44	0.26	0.12	10.35	0.76	0.56	0.26

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.26	13.00	2.93	2.69	0.52
10.45	0.78	0.58	0.27	13.05	2.94	2.71	0.49
10.50	0.79	0.59	0.27	13.10	2.96	2.73	0.46
10.55	0.80	0.60	0.28	13.15	2.97	2.74	0.44
10.60	0.82	0.61	0.30	13.20	2.98	2.75	0.42
10.65	0.83	0.62	0.31	13.25	3.00	2.77	0.41
10.70	0.84	0.64	0.33	13.30	3.01	2.78	0.39
10.75	0.85	0.65	0.35	13.35	3.02	2.79	0.38
10.80	0.87	0.66	0.36	13.40	3.03	2.80	0.36
10.85	0.88	0.67	0.38	13.45	3.05	2.81	0.34
10.90	0.89	0.69	0.40	13.50	3.06	2.82	0.33
10.95	0.91	0.70	0.41	13.55	3.07	2.83	0.31
11.00	0.92	0.72	0.43	13.60	3.08	2.84	0.29
11.05	0.94	0.73	0.45	13.65	3.09	2.85	0.29
11.10	0.96	0.75	0.48	13.70	3.09	2.86	0.28
11.15	0.98	0.77	0.51	13.75	3.10	2.87	0.28
11.20	1.00	0.79	0.54	13.80	3.11	2.88	0.27
11.25	1.02	0.81	0.57	13.85	3.12	2.89	0.27
11.30	1.04	0.83	0.60	13.90	3.13	2.90	0.26
11.35	1.06	0.85	0.63	13.95	3.14	2.91	0.26
11.40	1.09	0.88	0.67	14.00	3.15	2.92	0.25
11.45	1.11	0.90	0.69	14.05	3.16	2.92	0.25
11.50	1.14	0.92	0.72	14.10	3.16	2.93	0.25
11.55	1.18	0.96	0.84	14.15	3.17	2.94	0.24
11.60	1.22	1.00	1.05	14.20	3.18	2.95	0.24
11.65	1.26	1.04	1.13	14.25	3.19	2.96	0.23
11.70	1.30	1.08	1.17	14.30	3.20	2.96	0.23
11.75	1.35	1.14	1.32	14.35	3.20	2.97	0.22
11.80	1.41	1.19	1.55	14.40	3.21	2.98	0.22
11.85	1.49	1.27	1.81	14.45	3.22	2.99	0.22
11.90	1.57	1.34	2.16	14.50	3.23	2.99	0.21
11.95	1.70	1.48	2.75	14.55	3.23	3.00	0.21
12.00	1.83	1.61	3.64	14.60	3.24	3.01	0.20
12.05	2.06	1.83	4.67	14.65	3.25	3.01	0.20
12.10	2.28	2.06	**6.08**	14.70	3.25	3.02	0.19
12.15	2.36	2.13	5.21	14.75	3.26	3.03	0.19
12.20	2.44	2.21	3.06	14.80	3.26	3.03	0.19
12.25	2.50	2.27	2.25	14.85	3.27	3.04	0.18
12.30	2.55	2.32	1.80	14.90	3.28	3.04	0.18
12.35	2.59	2.36	1.54	14.95	3.28	3.05	0.17
12.40	2.63	2.40	1.29	15.00	3.29	3.05	0.17
12.45	2.67	2.44	1.20	15.05	3.29	3.06	0.17
12.50	2.71	2.48	1.16	15.10	3.30	3.07	0.16
12.55	2.74	2.51	1.03	15.15	3.30	3.07	0.16
12.60	2.76	2.53	0.81	15.20	3.31	3.08	0.16
12.65	2.79	2.56	0.74	15.25	3.31	3.08	0.16
12.70	2.81	2.58	0.70	15.30	3.32	3.09	0.15
12.75	2.83	2.60	0.68	15.35	3.32	3.09	0.15
12.80	2.85	2.62	0.64	15.40	3.33	3.10	0.15
12.85	2.87	2.64	0.62	15.45	3.34	3.10	0.15
12.90	2.89	2.66	0.58	15.50	3.34	3.11	0.15
12.95	2.91	2.68	0.56	15.55	3.35	3.11	0.15

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.15	18.20	3.56	3.32	0.09
15.65	3.36	3.12	0.15	18.25	3.56	3.33	0.09
15.70	3.36	3.13	0.15	18.30	3.56	3.33	0.09
15.75	3.36	3.13	0.14	18.35	3.57	3.33	0.09
15.80	3.37	3.14	0.14	18.40	3.57	3.34	0.09
15.85	3.37	3.14	0.14	18.45	3.57	3.34	0.09
15.90	3.38	3.15	0.14	18.50	3.58	3.34	0.09
15.95	3.38	3.15	0.14	18.55	3.58	3.34	0.09
16.00	3.39	3.16	0.14	18.60	3.58	3.35	0.09
16.05	3.39	3.16	0.14	18.65	3.58	3.35	0.09
16.10	3.40	3.16	0.14	18.70	3.59	3.35	0.09
16.15	3.40	3.17	0.14	18.75	3.59	3.36	0.09
16.20	3.41	3.17	0.13	18.80	3.59	3.36	0.09
16.25	3.41	3.18	0.13	18.85	3.60	3.36	0.09
16.30	3.42	3.18	0.13	18.90	3.60	3.37	0.09
16.35	3.42	3.19	0.13	18.95	3.60	3.37	0.09
16.40	3.42	3.19	0.13	19.00	3.61	3.37	0.09
16.45	3.43	3.20	0.13	19.05	3.61	3.37	0.09
16.50	3.43	3.20	0.13	19.10	3.61	3.38	0.09
16.55	3.44	3.20	0.13	19.15	3.61	3.38	0.09
16.60	3.44	3.21	0.13	19.20	3.62	3.38	0.09
16.65	3.45	3.21	0.12	19.25	3.62	3.39	0.09
16.70	3.45	3.22	0.12	19.30	3.62	3.39	0.08
16.75	3.45	3.22	0.12	19.35	3.63	3.39	0.08
16.80	3.46	3.23	0.12	19.40	3.63	3.39	0.08
16.85	3.46	3.23	0.12	19.45	3.63	3.40	0.08
16.90	3.47	3.23	0.12	19.50	3.63	3.40	0.08
16.95	3.47	3.24	0.12	19.55	3.64	3.40	0.08
17.00	3.47	3.24	0.12	19.60	3.64	3.41	0.08
17.05	3.48	3.24	0.12	19.65	3.64	3.41	0.08
17.10	3.48	3.25	0.11	19.70	3.65	3.41	0.08
17.15	3.49	3.25	0.11	19.75	3.65	3.41	0.08
17.20	3.49	3.26	0.11	19.80	3.65	3.42	0.08
17.25	3.49	3.26	0.11	19.85	3.65	3.42	0.08
17.30	3.50	3.26	0.11	19.90	3.66	3.42	0.08
17.35	3.50	3.27	0.11	19.95	3.66	3.42	0.08
17.40	3.50	3.27	0.11	20.00	3.66	3.43	0.08
17.45	3.51	3.27	0.11	20.05	3.66	3.43	0.08
17.50	3.51	3.28	0.11	20.10	3.67	3.43	0.08
17.55	3.52	3.28	0.10	20.15	3.67	3.44	0.08
17.60	3.52	3.28	0.10	20.20	3.67	3.44	0.08
17.65	3.52	3.29	0.10	20.25	3.68	3.44	0.08
17.70	3.53	3.29	0.10	20.30	3.68	3.44	0.08
17.75	3.53	3.30	0.10	20.35	3.68	3.45	0.08
17.80	3.53	3.30	0.10	20.40	3.68	3.45	0.08
17.85	3.54	3.30	0.10	20.45	3.69	3.45	0.08
17.90	3.54	3.30	0.10	20.50	3.69	3.45	0.08
17.95	3.54	3.31	0.10	20.55	3.69	3.46	0.08
18.00	3.54	3.31	0.09	20.60	3.69	3.46	0.08
18.05	3.55	3.31	0.09	20.65	3.70	3.46	0.08
18.10	3.55	3.32	0.09	20.70	3.70	3.46	0.08
18.15	3.55	3.32	0.09	20.75	3.70	3.47	0.08

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.08	23.40	3.82	3.59	0.06
20.85	3.71	3.47	0.08	23.45	3.83	3.59	0.06
20.90	3.71	3.47	0.08	23.50	3.83	3.59	0.06
20.95	3.71	3.48	0.08	23.55	3.83	3.60	0.06
21.00	3.71	3.48	0.08	23.60	3.83	3.60	0.06
21.05	3.72	3.48	0.07	23.65	3.84	3.60	0.06
21.10	3.72	3.49	0.07	23.70	3.84	3.60	0.06
21.15	3.72	3.49	0.07	23.75	3.84	3.60	0.06
21.20	3.72	3.49	0.07	23.80	3.84	3.61	0.06
21.25	3.73	3.49	0.07	23.85	3.84	3.61	0.06
21.30	3.73	3.50	0.07	23.90	3.85	3.61	0.06
21.35	3.73	3.50	0.07	23.95	3.85	3.61	0.06
21.40	3.73	3.50	0.07	24.00	**3.85**	**3.62**	0.07
21.45	3.74	3.50	0.07	24.05	3.85	3.62	0.05
21.50	3.74	3.50	0.07	24.10	3.85	3.62	0.01
21.55	3.74	3.51	0.07	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.07	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.07	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.07	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.07	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.07	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.07	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.07	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.07	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.07	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.07	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.07	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.07	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.07	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.07	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.07	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.07	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.07	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.07	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.07	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.07	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.07	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.07	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.07	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.07	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.06	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.06	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.06	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.06	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.06	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.06	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.06	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.06	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.06	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.06	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.06	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.06	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

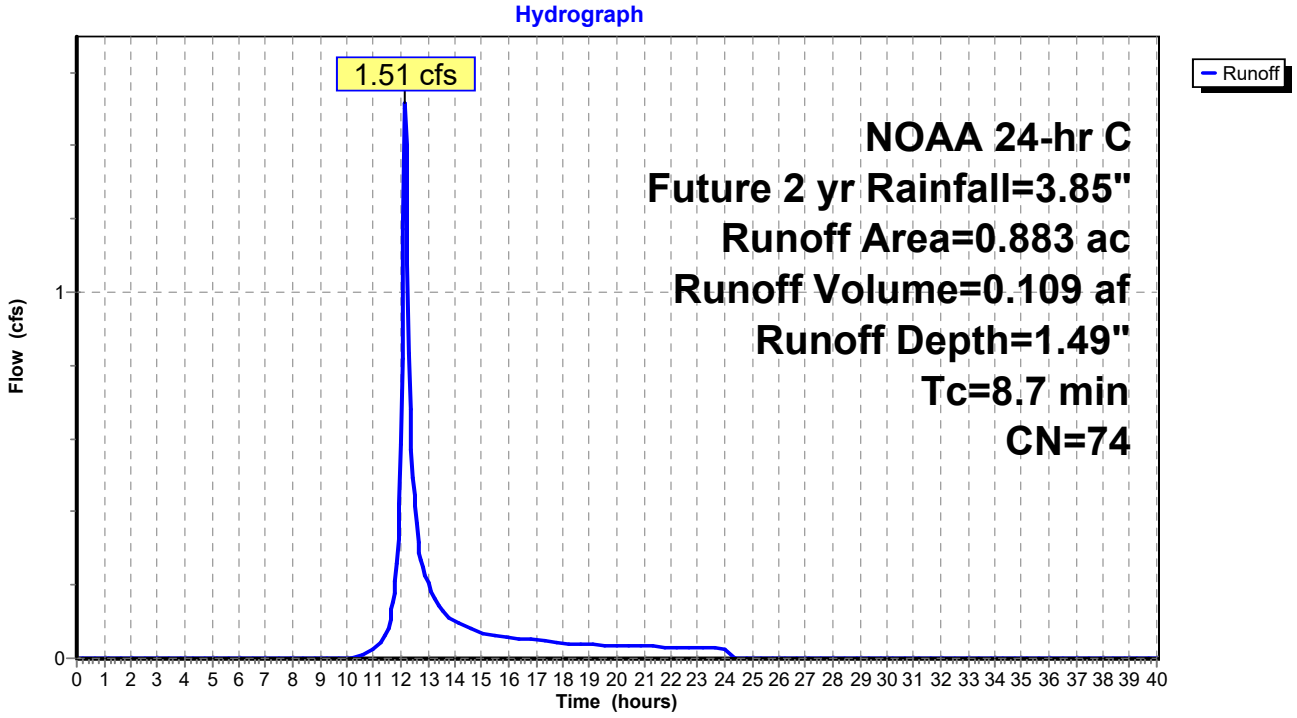
Runoff = 1.51 cfs @ 12.16 hrs, Volume= 0.109 af, Depth= 1.49"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.21
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.20
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.19
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.18
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.17
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.16
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.16
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.15
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.15
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.14
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.13
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.13
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.12
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.12
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.11
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.11
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.11
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.11
11.30	1.04	0.03	0.05	13.90	3.13	0.99	0.10
11.35	1.06	0.03	0.06	13.95	3.14	1.00	0.10
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.10
11.45	1.11	0.04	0.07	14.05	3.16	1.01	0.10
11.50	1.14	0.05	0.08	14.10	3.16	1.01	0.10
11.55	1.18	0.06	0.09	14.15	3.17	1.02	0.10
11.60	1.22	0.07	0.11	14.20	3.18	1.02	0.10
11.65	1.26	0.08	0.13	14.25	3.19	1.03	0.09
11.70	1.30	0.09	0.15	14.30	3.20	1.03	0.09
11.75	1.35	0.10	0.18	14.35	3.20	1.04	0.09
11.80	1.41	0.12	0.21	14.40	3.21	1.04	0.09
11.85	1.49	0.14	0.26	14.45	3.22	1.05	0.09
11.90	1.57	0.17	0.33	14.50	3.23	1.05	0.09
11.95	1.70	0.22	0.42	14.55	3.23	1.06	0.09
12.00	1.83	0.28	0.58	14.60	3.24	1.06	0.08
12.05	2.06	0.38	0.81	14.65	3.25	1.07	0.08
12.10	2.28	0.49	1.17	14.70	3.25	1.07	0.08
12.15	2.36	0.53	**1.50**	14.75	3.26	1.08	0.08
12.20	2.44	0.57	1.40	14.80	3.26	1.08	0.08
12.25	2.50	0.61	1.07	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.83	14.90	3.28	1.09	0.07
12.35	2.59	0.66	0.68	14.95	3.28	1.09	0.07
12.40	2.63	0.69	0.57	15.00	3.29	1.10	0.07
12.45	2.67	0.71	0.49	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.45	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.42	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.37	15.20	3.31	1.11	0.06
12.65	2.79	0.78	0.32	15.25	3.31	1.11	0.06
12.70	2.81	0.79	0.28	15.30	3.32	1.12	0.06
12.75	2.83	0.80	0.27	15.35	3.32	1.12	0.06
12.80	2.85	0.82	0.25	15.40	3.33	1.12	0.06
12.85	2.87	0.83	0.24	15.45	3.34	1.13	0.06
12.90	2.89	0.84	0.23	15.50	3.34	1.13	0.06
12.95	2.91	0.85	0.22	15.55	3.35	1.13	0.06

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.06	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.05	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.05	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.05	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.05	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.05	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.05	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.05	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.05	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.04	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.04	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.04	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.03
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 14l: PDA-14 (impervious)

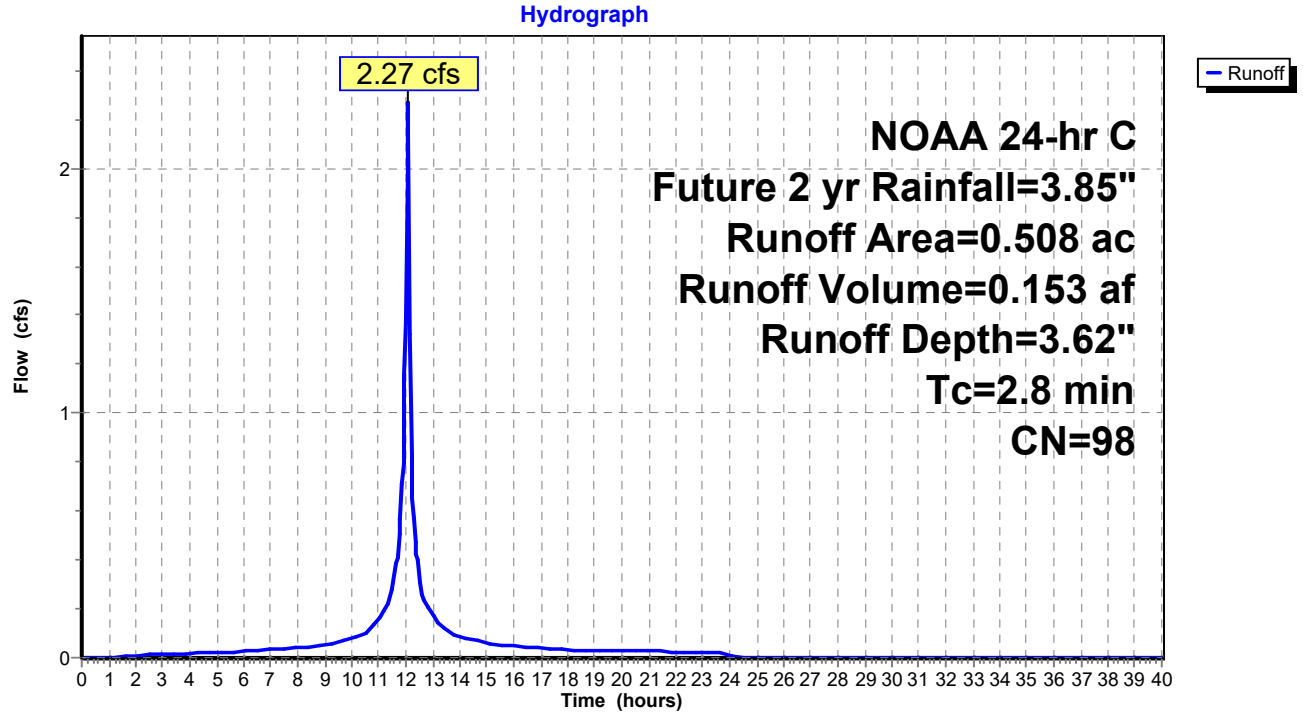
Runoff = 2.27 cfs @ 12.09 hrs, Volume= 0.153 af, Depth= 3.62"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 14l: PDA-14 (impervious)



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.04
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.04
5.75	0.29	0.14	0.02	8.35	0.49	0.31	0.05
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.05
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.05
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.05
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.05
6.00	0.31	0.15	0.03	8.60	0.52	0.34	0.05
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.05
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.05
6.15	0.31	0.16	0.03	8.75	0.54	0.35	0.05
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.05
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.05
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.05
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.05
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.05
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.06
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.06
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.06
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.06
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.06
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.06
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.07
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.07
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.07
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.07
7.10	0.38	0.21	0.03	9.70	0.65	0.46	0.07
7.15	0.39	0.22	0.04	9.75	0.66	0.47	0.07
7.20	0.39	0.22	0.04	9.80	0.67	0.47	0.07
7.25	0.40	0.23	0.04	9.85	0.68	0.48	0.08
7.30	0.40	0.23	0.04	9.90	0.69	0.49	0.08
7.35	0.40	0.23	0.04	9.95	0.69	0.50	0.08
7.40	0.41	0.24	0.04	10.00	0.70	0.51	0.08
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.08
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.08
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.08
7.60	0.43	0.25	0.04	10.20	0.74	0.54	0.09
7.65	0.43	0.25	0.04	10.25	0.75	0.55	0.09
7.70	0.43	0.26	0.04	10.30	0.76	0.56	0.09
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.09

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.09	13.00	2.93	2.69	0.18
10.45	0.78	0.58	0.09	13.05	2.94	2.71	0.16
10.50	0.79	0.59	0.10	13.10	2.96	2.73	0.16
10.55	0.80	0.60	0.10	13.15	2.97	2.74	0.15
10.60	0.82	0.61	0.11	13.20	2.98	2.75	0.14
10.65	0.83	0.62	0.11	13.25	3.00	2.77	0.14
10.70	0.84	0.64	0.12	13.30	3.01	2.78	0.13
10.75	0.85	0.65	0.12	13.35	3.02	2.79	0.13
10.80	0.87	0.66	0.13	13.40	3.03	2.80	0.12
10.85	0.88	0.67	0.14	13.45	3.05	2.81	0.11
10.90	0.89	0.69	0.14	13.50	3.06	2.82	0.11
10.95	0.91	0.70	0.15	13.55	3.07	2.83	0.10
11.00	0.92	0.72	0.15	13.60	3.08	2.84	0.10
11.05	0.94	0.73	0.16	13.65	3.09	2.85	0.10
11.10	0.96	0.75	0.17	13.70	3.09	2.86	0.10
11.15	0.98	0.77	0.18	13.75	3.10	2.87	0.09
11.20	1.00	0.79	0.19	13.80	3.11	2.88	0.09
11.25	1.02	0.81	0.21	13.85	3.12	2.89	0.09
11.30	1.04	0.83	0.21	13.90	3.13	2.90	0.09
11.35	1.06	0.85	0.23	13.95	3.14	2.91	0.09
11.40	1.09	0.88	0.23	14.00	3.15	2.92	0.09
11.45	1.11	0.90	0.24	14.05	3.16	2.92	0.09
11.50	1.14	0.92	0.25	14.10	3.16	2.93	0.08
11.55	1.18	0.96	0.34	14.15	3.17	2.94	0.08
11.60	1.22	1.00	0.39	14.20	3.18	2.95	0.08
11.65	1.26	1.04	0.40	14.25	3.19	2.96	0.08
11.70	1.30	1.08	0.41	14.30	3.20	2.96	0.08
11.75	1.35	1.14	0.51	14.35	3.20	2.97	0.08
11.80	1.41	1.19	0.57	14.40	3.21	2.98	0.08
11.85	1.49	1.27	0.71	14.45	3.22	2.99	0.07
11.90	1.57	1.34	0.79	14.50	3.23	2.99	0.07
11.95	1.70	1.48	1.16	14.55	3.23	3.00	0.07
12.00	1.83	1.61	1.37	14.60	3.24	3.01	0.07
12.05	2.06	1.83	1.95	14.65	3.25	3.01	0.07
12.10	2.28	2.06	**2.23**	14.70	3.25	3.02	0.07
12.15	2.36	2.13	1.33	14.75	3.26	3.03	0.07
12.20	2.44	2.21	0.83	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.65	14.85	3.27	3.04	0.06
12.30	2.55	2.32	0.57	14.90	3.28	3.04	0.06
12.35	2.59	2.36	0.47	14.95	3.28	3.05	0.06
12.40	2.63	2.40	0.42	15.00	3.29	3.05	0.06
12.45	2.67	2.44	0.40	15.05	3.29	3.06	0.06
12.50	2.71	2.48	0.39	15.10	3.30	3.07	0.06
12.55	2.74	2.51	0.31	15.15	3.30	3.07	0.05
12.60	2.76	2.53	0.26	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.25	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.24	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.23	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.22	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.21	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.20	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.18	15.55	3.35	3.11	0.05

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.05	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.05	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.05	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.05	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.05	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.05	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.05	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.05	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.05	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.05	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.05	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.05	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.05	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.05	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.05	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.05	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.05	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.04	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.04	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.04	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.04	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.04	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.04	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.04	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.04	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.04	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.04	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.04	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.04	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.04	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.04	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.03	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.03
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.03
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.03
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.03
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.03	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.03	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.03	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.03	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.03	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.02	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.02	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.02	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

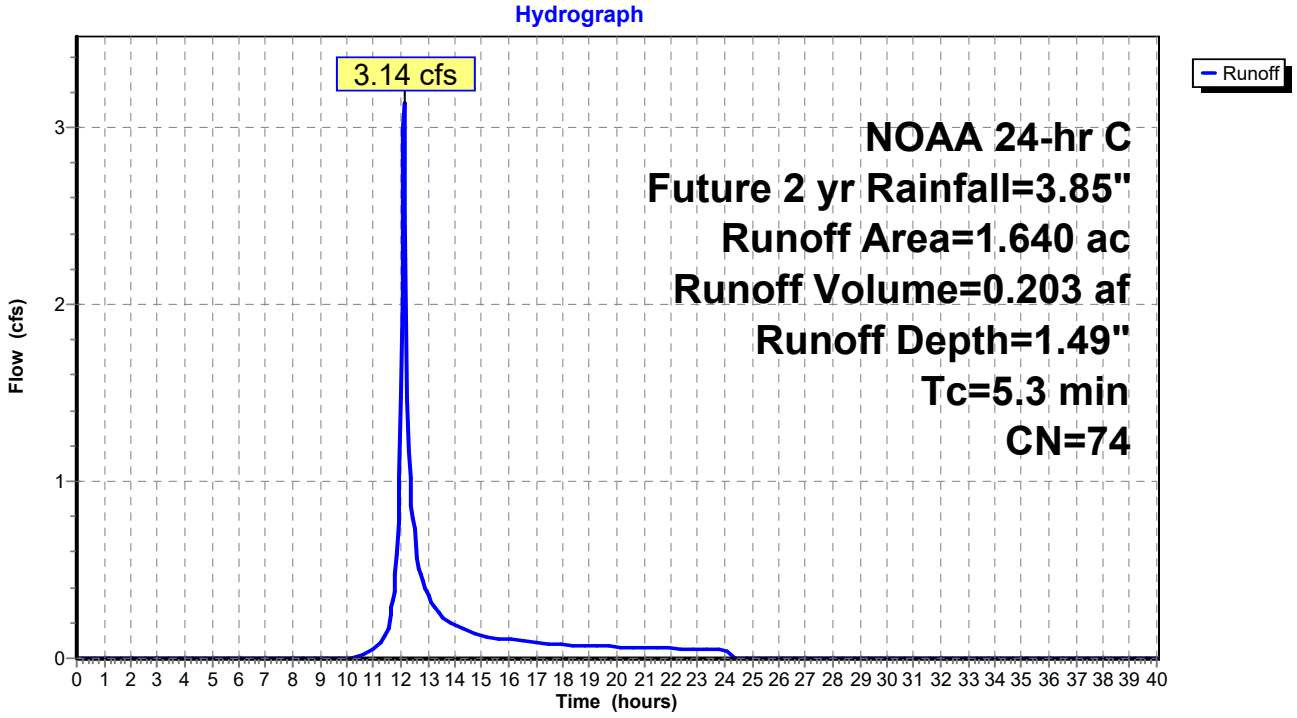
Runoff = 3.14 cfs @ 12.13 hrs, Volume= 0.203 af, Depth= 1.49"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.37
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.35
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.33
10.55	0.80	0.00	0.02	13.15	2.97	0.89	0.31
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.30
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.29
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.28
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.27
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.26
10.85	0.88	0.01	0.04	13.45	3.05	0.94	0.25
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.24
10.95	0.91	0.01	0.05	13.55	3.07	0.95	0.23
11.00	0.92	0.01	0.05	13.60	3.08	0.96	0.21
11.05	0.94	0.02	0.06	13.65	3.09	0.96	0.21
11.10	0.96	0.02	0.07	13.70	3.09	0.97	0.20
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.20
11.20	1.00	0.02	0.08	13.80	3.11	0.98	0.20
11.25	1.02	0.03	0.09	13.85	3.12	0.99	0.19
11.30	1.04	0.03	0.11	13.90	3.13	0.99	0.19
11.35	1.06	0.03	0.12	13.95	3.14	1.00	0.19
11.40	1.09	0.04	0.13	14.00	3.15	1.00	0.19
11.45	1.11	0.04	0.14	14.05	3.16	1.01	0.18
11.50	1.14	0.05	0.16	14.10	3.16	1.01	0.18
11.55	1.18	0.06	0.19	14.15	3.17	1.02	0.18
11.60	1.22	0.07	0.25	14.20	3.18	1.02	0.18
11.65	1.26	0.08	0.29	14.25	3.19	1.03	0.17
11.70	1.30	0.09	0.33	14.30	3.20	1.03	0.17
11.75	1.35	0.10	0.38	14.35	3.20	1.04	0.17
11.80	1.41	0.12	0.48	14.40	3.21	1.04	0.16
11.85	1.49	0.14	0.59	14.45	3.22	1.05	0.16
11.90	1.57	0.17	0.76	14.50	3.23	1.05	0.16
11.95	1.70	0.22	1.02	14.55	3.23	1.06	0.15
12.00	1.83	0.28	1.48	14.60	3.24	1.06	0.15
12.05	2.06	0.38	2.06	14.65	3.25	1.07	0.15
12.10	2.28	0.49	3.00	14.70	3.25	1.07	0.15
12.15	2.36	0.53	**3.02**	14.75	3.26	1.08	0.14
12.20	2.44	0.57	1.98	14.80	3.26	1.08	0.14
12.25	2.50	0.61	1.47	14.85	3.27	1.08	0.14
12.30	2.55	0.64	1.17	14.90	3.28	1.09	0.13
12.35	2.59	0.66	1.02	14.95	3.28	1.09	0.13
12.40	2.63	0.69	0.86	15.00	3.29	1.10	0.13
12.45	2.67	0.71	0.80	15.05	3.29	1.10	0.12
12.50	2.71	0.73	0.77	15.10	3.30	1.10	0.12
12.55	2.74	0.75	0.71	15.15	3.30	1.11	0.12
12.60	2.76	0.76	0.57	15.20	3.31	1.11	0.12
12.65	2.79	0.78	0.51	15.25	3.31	1.11	0.12
12.70	2.81	0.79	0.48	15.30	3.32	1.12	0.12
12.75	2.83	0.80	0.47	15.35	3.32	1.12	0.12
12.80	2.85	0.82	0.45	15.40	3.33	1.12	0.12
12.85	2.87	0.83	0.43	15.45	3.34	1.13	0.11
12.90	2.89	0.84	0.41	15.50	3.34	1.13	0.11
12.95	2.91	0.85	0.39	15.55	3.35	1.13	0.11

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.11	18.20	3.56	1.28	0.07
15.65	3.36	1.14	0.11	18.25	3.56	1.28	0.07
15.70	3.36	1.14	0.11	18.30	3.56	1.28	0.07
15.75	3.36	1.15	0.11	18.35	3.57	1.29	0.07
15.80	3.37	1.15	0.11	18.40	3.57	1.29	0.07
15.85	3.37	1.15	0.11	18.45	3.57	1.29	0.07
15.90	3.38	1.16	0.11	18.50	3.58	1.29	0.07
15.95	3.38	1.16	0.11	18.55	3.58	1.29	0.07
16.00	3.39	1.16	0.11	18.60	3.58	1.30	0.07
16.05	3.39	1.17	0.11	18.65	3.58	1.30	0.07
16.10	3.40	1.17	0.10	18.70	3.59	1.30	0.07
16.15	3.40	1.17	0.10	18.75	3.59	1.30	0.07
16.20	3.41	1.18	0.10	18.80	3.59	1.30	0.07
16.25	3.41	1.18	0.10	18.85	3.60	1.31	0.07
16.30	3.42	1.18	0.10	18.90	3.60	1.31	0.07
16.35	3.42	1.19	0.10	18.95	3.60	1.31	0.07
16.40	3.42	1.19	0.10	19.00	3.61	1.31	0.07
16.45	3.43	1.19	0.10	19.05	3.61	1.32	0.07
16.50	3.43	1.19	0.10	19.10	3.61	1.32	0.07
16.55	3.44	1.20	0.10	19.15	3.61	1.32	0.07
16.60	3.44	1.20	0.10	19.20	3.62	1.32	0.07
16.65	3.45	1.20	0.10	19.25	3.62	1.32	0.07
16.70	3.45	1.21	0.10	19.30	3.62	1.33	0.07
16.75	3.45	1.21	0.09	19.35	3.63	1.33	0.07
16.80	3.46	1.21	0.09	19.40	3.63	1.33	0.07
16.85	3.46	1.21	0.09	19.45	3.63	1.33	0.07
16.90	3.47	1.22	0.09	19.50	3.63	1.33	0.07
16.95	3.47	1.22	0.09	19.55	3.64	1.34	0.07
17.00	3.47	1.22	0.09	19.60	3.64	1.34	0.07
17.05	3.48	1.22	0.09	19.65	3.64	1.34	0.07
17.10	3.48	1.23	0.09	19.70	3.65	1.34	0.07
17.15	3.49	1.23	0.09	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.09	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.09	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.08	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.08	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.08	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.08	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.08	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.08	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.08	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.08	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.08	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.08	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.08	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.08	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.07	20.65	3.70	1.38	0.06
18.10	3.55	1.28	0.07	20.70	3.70	1.38	0.06
18.15	3.55	1.28	0.07	20.75	3.70	1.38	0.06

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.06	23.40	3.82	1.47	0.05
20.85	3.71	1.38	0.06	23.45	3.83	1.47	0.05
20.90	3.71	1.39	0.06	23.50	3.83	1.47	0.05
20.95	3.71	1.39	0.06	23.55	3.83	1.47	0.05
21.00	3.71	1.39	0.06	23.60	3.83	1.47	0.05
21.05	3.72	1.39	0.06	23.65	3.84	1.48	0.05
21.10	3.72	1.39	0.06	23.70	3.84	1.48	0.05
21.15	3.72	1.40	0.06	23.75	3.84	1.48	0.05
21.20	3.72	1.40	0.06	23.80	3.84	1.48	0.05
21.25	3.73	1.40	0.06	23.85	3.84	1.48	0.05
21.30	3.73	1.40	0.06	23.90	3.85	1.48	0.05
21.35	3.73	1.40	0.06	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.06	24.00	**3.85**	**1.49**	0.06
21.45	3.74	1.41	0.06	24.05	3.85	1.49	0.05
21.50	3.74	1.41	0.06	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.06	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.06	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.06	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.06	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.06	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.06	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.06	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.06	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.06	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.06	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.06	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.06	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.06	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.06	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.05	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.05	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.05	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

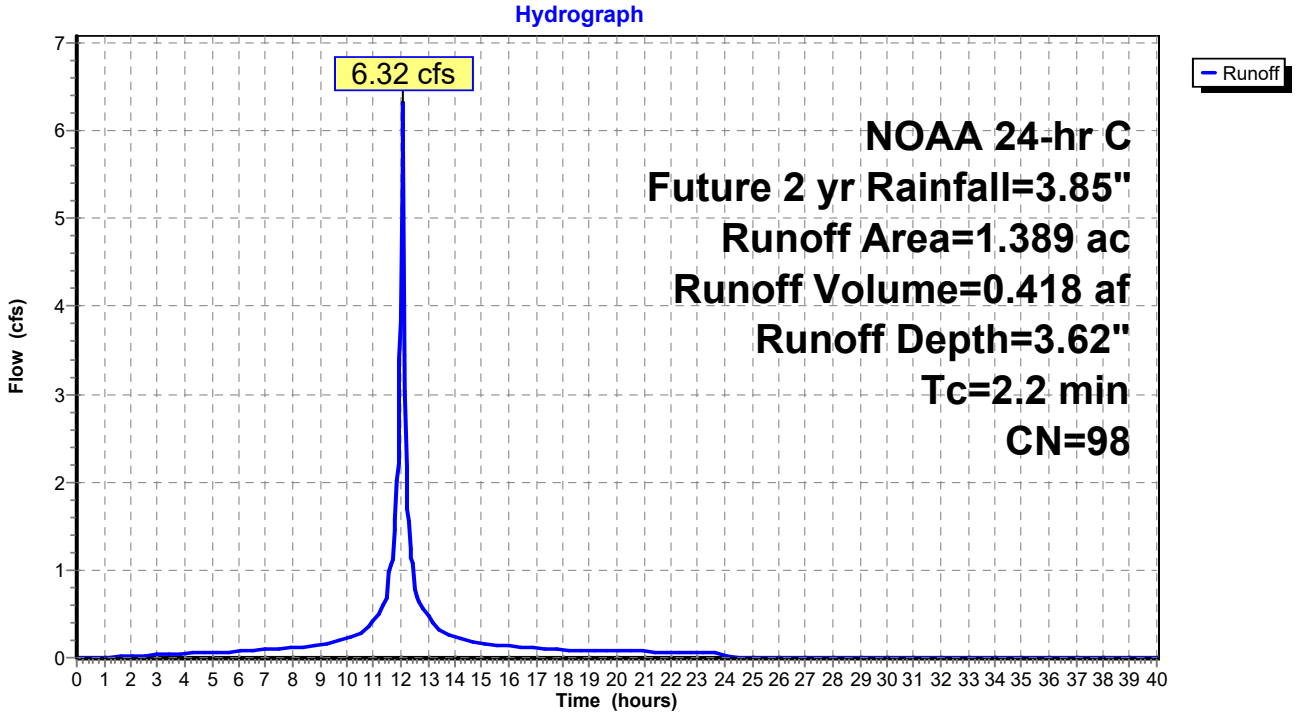
Runoff = 6.32 cfs @ 12.08 hrs, Volume= 0.418 af, Depth= 3.62"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.03
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.04
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.04
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.04
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.04
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.04
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.04
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.04
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.04
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.04
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.04
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.04
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.04
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.04
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.04
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.04
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.05
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.05
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.05
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.05
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.05
1.25	0.05	0.00	0.01	3.85	0.18	0.06	0.05
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.05
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.05
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.05
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.05
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.05
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.05
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.05
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.05
1.70	0.07	0.00	0.02	4.30	0.20	0.07	0.05
1.75	0.08	0.01	0.02	4.35	0.21	0.08	0.05
1.80	0.08	0.01	0.02	4.40	0.21	0.08	0.05
1.85	0.08	0.01	0.02	4.45	0.21	0.08	0.06
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.06
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.06
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.06
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.06
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.06
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.06
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.06
2.25	0.10	0.01	0.03	4.85	0.24	0.10	0.06
2.30	0.10	0.01	0.03	4.90	0.24	0.10	0.06
2.35	0.10	0.01	0.03	4.95	0.24	0.10	0.06
2.40	0.11	0.02	0.03	5.00	0.24	0.10	0.06
2.45	0.11	0.02	0.03	5.05	0.25	0.10	0.06
2.50	0.11	0.02	0.03	5.10	0.25	0.11	0.06
2.55	0.11	0.02	0.03	5.15	0.25	0.11	0.06

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.06	7.80	0.44	0.27	0.11
5.25	0.26	0.11	0.06	7.85	0.45	0.27	0.11
5.30	0.26	0.12	0.06	7.90	0.45	0.27	0.11
5.35	0.27	0.12	0.06	7.95	0.46	0.28	0.12
5.40	0.27	0.12	0.06	8.00	0.46	0.28	0.12
5.45	0.27	0.12	0.07	8.05	0.47	0.29	0.12
5.50	0.27	0.12	0.07	8.10	0.47	0.29	0.12
5.55	0.28	0.13	0.07	8.15	0.48	0.30	0.12
5.60	0.28	0.13	0.07	8.20	0.48	0.30	0.12
5.65	0.28	0.13	0.07	8.25	0.49	0.30	0.12
5.70	0.29	0.13	0.07	8.30	0.49	0.31	0.12
5.75	0.29	0.14	0.07	8.35	0.49	0.31	0.12
5.80	0.29	0.14	0.07	8.40	0.50	0.32	0.12
5.85	0.30	0.14	0.07	8.45	0.50	0.32	0.13
5.90	0.30	0.14	0.07	8.50	0.51	0.33	0.13
5.95	0.30	0.15	0.07	8.55	0.51	0.33	0.13
6.00	0.31	0.15	0.07	8.60	0.52	0.34	0.13
6.05	0.31	0.15	0.07	8.65	0.53	0.34	0.13
6.10	0.31	0.15	0.07	8.70	0.53	0.35	0.13
6.15	0.31	0.16	0.07	8.75	0.54	0.35	0.13
6.20	0.32	0.16	0.07	8.80	0.54	0.36	0.13
6.25	0.32	0.16	0.08	8.85	0.55	0.36	0.14
6.30	0.32	0.17	0.08	8.90	0.55	0.36	0.14
6.35	0.33	0.17	0.08	8.95	0.56	0.37	0.14
6.40	0.33	0.17	0.08	9.00	0.56	0.37	0.14
6.45	0.33	0.17	0.08	9.05	0.57	0.38	0.15
6.50	0.34	0.18	0.08	9.10	0.57	0.39	0.15
6.55	0.34	0.18	0.08	9.15	0.58	0.39	0.15
6.60	0.35	0.18	0.08	9.20	0.59	0.40	0.15
6.65	0.35	0.19	0.09	9.25	0.59	0.40	0.16
6.70	0.35	0.19	0.09	9.30	0.60	0.41	0.16
6.75	0.36	0.19	0.09	9.35	0.60	0.41	0.17
6.80	0.36	0.19	0.09	9.40	0.61	0.42	0.17
6.85	0.36	0.20	0.09	9.45	0.62	0.43	0.18
6.90	0.37	0.20	0.09	9.50	0.62	0.43	0.18
6.95	0.37	0.20	0.09	9.55	0.63	0.44	0.18
7.00	0.38	0.21	0.09	9.60	0.64	0.45	0.19
7.05	0.38	0.21	0.09	9.65	0.65	0.45	0.19
7.10	0.38	0.21	0.10	9.70	0.65	0.46	0.19
7.15	0.39	0.22	0.10	9.75	0.66	0.47	0.20
7.20	0.39	0.22	0.10	9.80	0.67	0.47	0.20
7.25	0.40	0.23	0.10	9.85	0.68	0.48	0.21
7.30	0.40	0.23	0.10	9.90	0.69	0.49	0.21
7.35	0.40	0.23	0.10	9.95	0.69	0.50	0.22
7.40	0.41	0.24	0.10	10.00	0.70	0.51	0.22
7.45	0.41	0.24	0.10	10.05	0.71	0.51	0.23
7.50	0.42	0.24	0.10	10.10	0.72	0.52	0.23
7.55	0.42	0.25	0.11	10.15	0.73	0.53	0.23
7.60	0.43	0.25	0.11	10.20	0.74	0.54	0.24
7.65	0.43	0.25	0.11	10.25	0.75	0.55	0.24
7.70	0.43	0.26	0.11	10.30	0.76	0.56	0.24
7.75	0.44	0.26	0.11	10.35	0.76	0.56	0.25

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.25	13.00	2.93	2.69	0.48
10.45	0.78	0.58	0.26	13.05	2.94	2.71	0.44
10.50	0.79	0.59	0.26	13.10	2.96	2.73	0.42
10.55	0.80	0.60	0.28	13.15	2.97	2.74	0.40
10.60	0.82	0.61	0.29	13.20	2.98	2.75	0.39
10.65	0.83	0.62	0.31	13.25	3.00	2.77	0.37
10.70	0.84	0.64	0.32	13.30	3.01	2.78	0.36
10.75	0.85	0.65	0.34	13.35	3.02	2.79	0.34
10.80	0.87	0.66	0.35	13.40	3.03	2.80	0.33
10.85	0.88	0.67	0.37	13.45	3.05	2.81	0.31
10.90	0.89	0.69	0.38	13.50	3.06	2.82	0.30
10.95	0.91	0.70	0.41	13.55	3.07	2.83	0.28
11.00	0.92	0.72	0.41	13.60	3.08	2.84	0.27
11.05	0.94	0.73	0.46	13.65	3.09	2.85	0.27
11.10	0.96	0.75	0.47	13.70	3.09	2.86	0.26
11.15	0.98	0.77	0.51	13.75	3.10	2.87	0.26
11.20	1.00	0.79	0.53	13.80	3.11	2.88	0.25
11.25	1.02	0.81	0.57	13.85	3.12	2.89	0.25
11.30	1.04	0.83	0.59	13.90	3.13	2.90	0.25
11.35	1.06	0.85	0.63	13.95	3.14	2.91	0.24
11.40	1.09	0.88	0.64	14.00	3.15	2.92	0.24
11.45	1.11	0.90	0.68	14.05	3.16	2.92	0.23
11.50	1.14	0.92	0.70	14.10	3.16	2.93	0.23
11.55	1.18	0.96	0.98	14.15	3.17	2.94	0.23
11.60	1.22	1.00	1.07	14.20	3.18	2.95	0.22
11.65	1.26	1.04	1.11	14.25	3.19	2.96	0.22
11.70	1.30	1.08	1.14	14.30	3.20	2.96	0.21
11.75	1.35	1.14	1.45	14.35	3.20	2.97	0.21
11.80	1.41	1.19	1.57	14.40	3.21	2.98	0.21
11.85	1.49	1.27	2.02	14.45	3.22	2.99	0.20
11.90	1.57	1.34	2.21	14.50	3.23	2.99	0.20
11.95	1.70	1.48	3.38	14.55	3.23	3.00	0.19
12.00	1.83	1.61	3.82	14.60	3.24	3.01	0.19
12.05	2.06	1.83	5.69	14.65	3.25	3.01	0.18
12.10	2.28	2.06	**6.06**	14.70	3.25	3.02	0.18
12.15	2.36	2.13	3.04	14.75	3.26	3.03	0.18
12.20	2.44	2.21	2.17	14.80	3.26	3.03	0.17
12.25	2.50	2.27	1.69	14.85	3.27	3.04	0.17
12.30	2.55	2.32	1.55	14.90	3.28	3.04	0.17
12.35	2.59	2.36	1.23	14.95	3.28	3.05	0.16
12.40	2.63	2.40	1.14	15.00	3.29	3.05	0.16
12.45	2.67	2.44	1.10	15.05	3.29	3.06	0.15
12.50	2.71	2.48	1.07	15.10	3.30	3.07	0.15
12.55	2.74	2.51	0.78	15.15	3.30	3.07	0.15
12.60	2.76	2.53	0.70	15.20	3.31	3.08	0.15
12.65	2.79	2.56	0.67	15.25	3.31	3.08	0.15
12.70	2.81	2.58	0.65	15.30	3.32	3.09	0.15
12.75	2.83	2.60	0.61	15.35	3.32	3.09	0.14
12.80	2.85	2.62	0.60	15.40	3.33	3.10	0.14
12.85	2.87	2.64	0.55	15.45	3.34	3.10	0.14
12.90	2.89	2.66	0.54	15.50	3.34	3.11	0.14
12.95	2.91	2.68	0.50	15.55	3.35	3.11	0.14

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.14	18.20	3.56	3.32	0.09
15.65	3.36	3.12	0.14	18.25	3.56	3.33	0.09
15.70	3.36	3.13	0.14	18.30	3.56	3.33	0.09
15.75	3.36	3.13	0.14	18.35	3.57	3.33	0.09
15.80	3.37	3.14	0.14	18.40	3.57	3.34	0.08
15.85	3.37	3.14	0.13	18.45	3.57	3.34	0.08
15.90	3.38	3.15	0.13	18.50	3.58	3.34	0.08
15.95	3.38	3.15	0.13	18.55	3.58	3.34	0.08
16.00	3.39	3.16	0.13	18.60	3.58	3.35	0.08
16.05	3.39	3.16	0.13	18.65	3.58	3.35	0.08
16.10	3.40	3.16	0.13	18.70	3.59	3.35	0.08
16.15	3.40	3.17	0.13	18.75	3.59	3.36	0.08
16.20	3.41	3.17	0.13	18.80	3.59	3.36	0.08
16.25	3.41	3.18	0.13	18.85	3.60	3.36	0.08
16.30	3.42	3.18	0.12	18.90	3.60	3.37	0.08
16.35	3.42	3.19	0.12	18.95	3.60	3.37	0.08
16.40	3.42	3.19	0.12	19.00	3.61	3.37	0.08
16.45	3.43	3.20	0.12	19.05	3.61	3.37	0.08
16.50	3.43	3.20	0.12	19.10	3.61	3.38	0.08
16.55	3.44	3.20	0.12	19.15	3.61	3.38	0.08
16.60	3.44	3.21	0.12	19.20	3.62	3.38	0.08
16.65	3.45	3.21	0.12	19.25	3.62	3.39	0.08
16.70	3.45	3.22	0.12	19.30	3.62	3.39	0.08
16.75	3.45	3.22	0.11	19.35	3.63	3.39	0.08
16.80	3.46	3.23	0.11	19.40	3.63	3.39	0.08
16.85	3.46	3.23	0.11	19.45	3.63	3.40	0.08
16.90	3.47	3.23	0.11	19.50	3.63	3.40	0.08
16.95	3.47	3.24	0.11	19.55	3.64	3.40	0.08
17.00	3.47	3.24	0.11	19.60	3.64	3.41	0.08
17.05	3.48	3.24	0.11	19.65	3.64	3.41	0.08
17.10	3.48	3.25	0.11	19.70	3.65	3.41	0.08
17.15	3.49	3.25	0.11	19.75	3.65	3.41	0.08
17.20	3.49	3.26	0.11	19.80	3.65	3.42	0.08
17.25	3.49	3.26	0.10	19.85	3.65	3.42	0.08
17.30	3.50	3.26	0.10	19.90	3.66	3.42	0.08
17.35	3.50	3.27	0.10	19.95	3.66	3.42	0.08
17.40	3.50	3.27	0.10	20.00	3.66	3.43	0.08
17.45	3.51	3.27	0.10	20.05	3.66	3.43	0.08
17.50	3.51	3.28	0.10	20.10	3.67	3.43	0.08
17.55	3.52	3.28	0.10	20.15	3.67	3.44	0.08
17.60	3.52	3.28	0.10	20.20	3.67	3.44	0.08
17.65	3.52	3.29	0.10	20.25	3.68	3.44	0.07
17.70	3.53	3.29	0.10	20.30	3.68	3.44	0.07
17.75	3.53	3.30	0.09	20.35	3.68	3.45	0.07
17.80	3.53	3.30	0.09	20.40	3.68	3.45	0.07
17.85	3.54	3.30	0.09	20.45	3.69	3.45	0.07
17.90	3.54	3.30	0.09	20.50	3.69	3.45	0.07
17.95	3.54	3.31	0.09	20.55	3.69	3.46	0.07
18.00	3.54	3.31	0.09	20.60	3.69	3.46	0.07
18.05	3.55	3.31	0.09	20.65	3.70	3.46	0.07
18.10	3.55	3.32	0.09	20.70	3.70	3.46	0.07
18.15	3.55	3.32	0.09	20.75	3.70	3.47	0.07

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.07	23.40	3.82	3.59	0.06
20.85	3.71	3.47	0.07	23.45	3.83	3.59	0.06
20.90	3.71	3.47	0.07	23.50	3.83	3.59	0.06
20.95	3.71	3.48	0.07	23.55	3.83	3.60	0.06
21.00	3.71	3.48	0.07	23.60	3.83	3.60	0.06
21.05	3.72	3.48	0.07	23.65	3.84	3.60	0.06
21.10	3.72	3.49	0.07	23.70	3.84	3.60	0.06
21.15	3.72	3.49	0.07	23.75	3.84	3.60	0.06
21.20	3.72	3.49	0.07	23.80	3.84	3.61	0.06
21.25	3.73	3.49	0.07	23.85	3.84	3.61	0.06
21.30	3.73	3.50	0.07	23.90	3.85	3.61	0.06
21.35	3.73	3.50	0.07	23.95	3.85	3.61	0.07
21.40	3.73	3.50	0.07	24.00	**3.85**	**3.62**	0.07
21.45	3.74	3.50	0.07	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.07	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.07	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.07	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.07	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.07	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.07	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.07	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.07	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.07	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.07	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.07	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.07	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.07	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.07	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.07	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.06	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.06	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.06	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.06	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.06	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.06	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.06	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.06	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.06	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.06	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.06	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.06	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.06	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.06	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.06	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.06	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.06	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.06	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.06	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.06	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.06	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.06	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.06	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

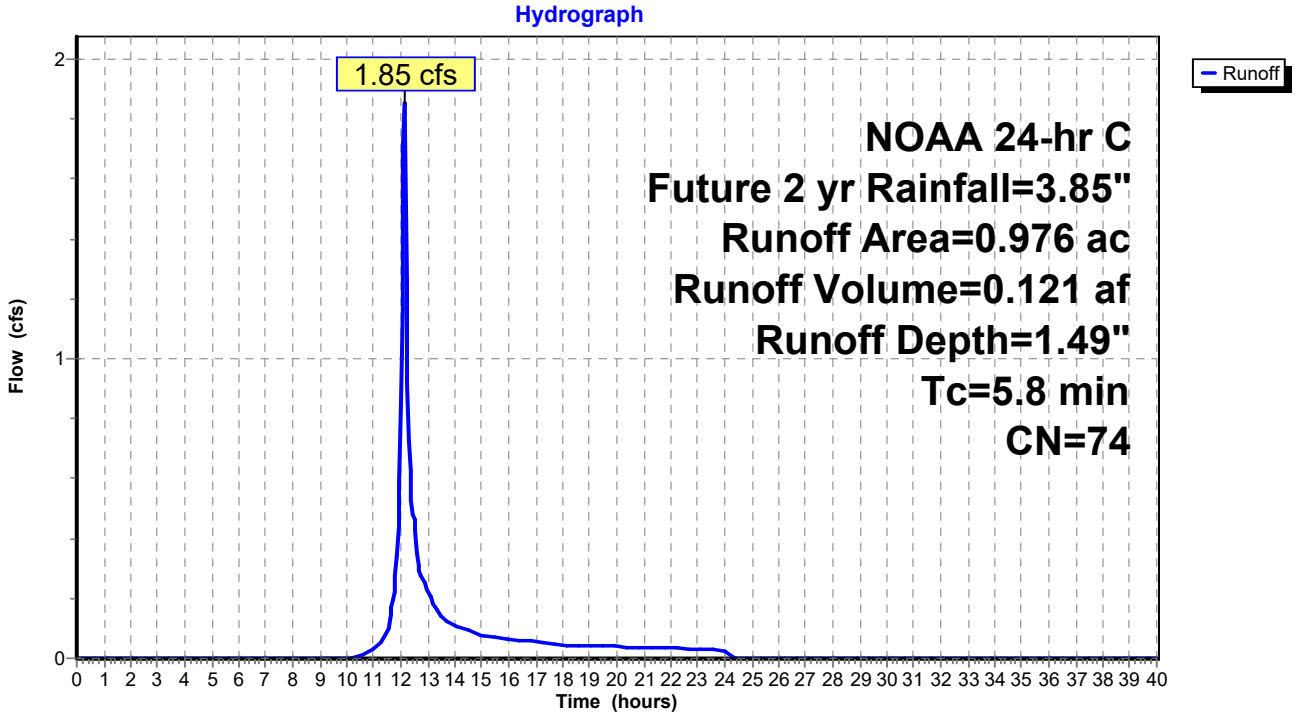
Runoff = 1.85 cfs @ 12.13 hrs, Volume= 0.121 af, Depth= 1.49"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.22
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.21
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.20
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.19
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.18
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.17
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.17
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.16
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.15
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.15
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.14
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.14
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.13
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.12
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.12
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.12
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.12
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.11
11.35	1.06	0.03	0.07	13.95	3.14	1.00	0.11
11.40	1.09	0.04	0.08	14.00	3.15	1.00	0.11
11.45	1.11	0.04	0.08	14.05	3.16	1.01	0.11
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.11	14.15	3.17	1.02	0.11
11.60	1.22	0.07	0.14	14.20	3.18	1.02	0.10
11.65	1.26	0.08	0.17	14.25	3.19	1.03	0.10
11.70	1.30	0.09	0.19	14.30	3.20	1.03	0.10
11.75	1.35	0.10	0.22	14.35	3.20	1.04	0.10
11.80	1.41	0.12	0.28	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.34	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.44	14.50	3.23	1.05	0.09
11.95	1.70	0.22	0.58	14.55	3.23	1.06	0.09
12.00	1.83	0.28	0.84	14.60	3.24	1.06	0.09
12.05	2.06	0.38	1.16	14.65	3.25	1.07	0.09
12.10	2.28	0.49	1.71	14.70	3.25	1.07	0.09
12.15	2.36	0.53	**1.82**	14.75	3.26	1.08	0.09
12.20	2.44	0.57	1.26	14.80	3.26	1.08	0.08
12.25	2.50	0.61	0.92	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.73	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.62	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.53	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.48	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.46	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.43	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.35	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.31	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.29	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.28	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.27	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.26	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.24	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.23	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.07	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.07	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.07	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.03
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.01
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

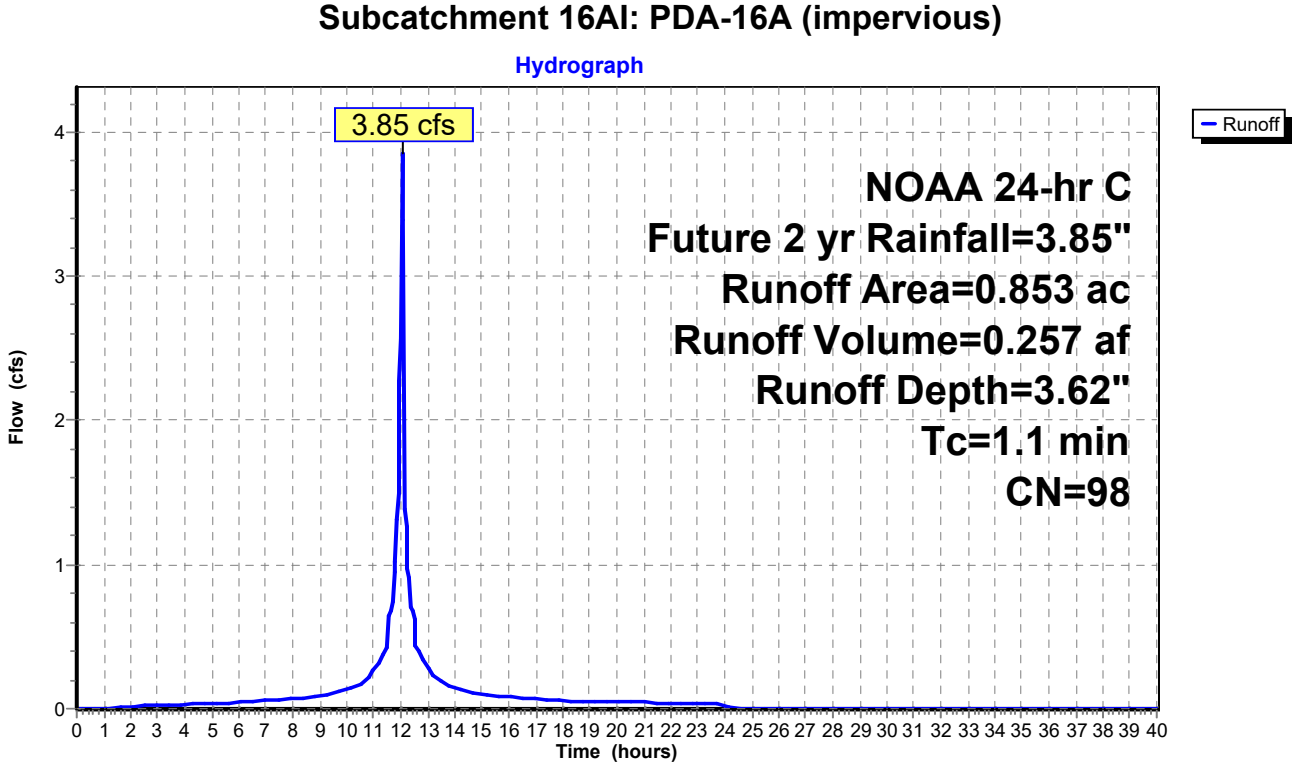
Summary for Subcatchment 16AI: PDA-16A (impervious)

Runoff = 3.85 cfs @ 12.06 hrs, Volume= 0.257 af, Depth= 3.62"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.07
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.07
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.07
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.07
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.07
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.08
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.08
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.08
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.08
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.08
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.08
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.08
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.08
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.08
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.08
6.15	0.31	0.16	0.05	8.75	0.54	0.35	0.08
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.08
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.09
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.09
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.09
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.09
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.09
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.10
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.10
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.10
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.10
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.11
6.85	0.36	0.20	0.06	9.45	0.62	0.43	0.11
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.11
6.95	0.37	0.20	0.06	9.55	0.63	0.44	0.11
7.00	0.38	0.21	0.06	9.60	0.64	0.45	0.12
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.12
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.12
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.12
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.13
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.13
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.13
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.13
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.14
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.14
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.14
7.55	0.42	0.25	0.07	10.15	0.73	0.53	0.14
7.60	0.43	0.25	0.07	10.20	0.74	0.54	0.15
7.65	0.43	0.25	0.07	10.25	0.75	0.55	0.15
7.70	0.43	0.26	0.07	10.30	0.76	0.56	0.15
7.75	0.44	0.26	0.07	10.35	0.76	0.56	0.15

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.16	13.00	2.93	2.69	0.29
10.45	0.78	0.58	0.16	13.05	2.94	2.71	0.26
10.50	0.79	0.59	0.16	13.10	2.96	2.73	0.26
10.55	0.80	0.60	0.18	13.15	2.97	2.74	0.24
10.60	0.82	0.61	0.18	13.20	2.98	2.75	0.24
10.65	0.83	0.62	0.20	13.25	3.00	2.77	0.22
10.70	0.84	0.64	0.20	13.30	3.01	2.78	0.22
10.75	0.85	0.65	0.21	13.35	3.02	2.79	0.20
10.80	0.87	0.66	0.22	13.40	3.03	2.80	0.20
10.85	0.88	0.67	0.23	13.45	3.05	2.81	0.19
10.90	0.89	0.69	0.24	13.50	3.06	2.82	0.18
10.95	0.91	0.70	0.25	13.55	3.07	2.83	0.17
11.00	0.92	0.72	0.26	13.60	3.08	2.84	0.17
11.05	0.94	0.73	0.29	13.65	3.09	2.85	0.16
11.10	0.96	0.75	0.29	13.70	3.09	2.86	0.16
11.15	0.98	0.77	0.32	13.75	3.10	2.87	0.16
11.20	1.00	0.79	0.33	13.80	3.11	2.88	0.16
11.25	1.02	0.81	0.36	13.85	3.12	2.89	0.15
11.30	1.04	0.83	0.36	13.90	3.13	2.90	0.15
11.35	1.06	0.85	0.39	13.95	3.14	2.91	0.15
11.40	1.09	0.88	0.40	14.00	3.15	2.92	0.15
11.45	1.11	0.90	0.42	14.05	3.16	2.92	0.14
11.50	1.14	0.92	0.46	14.10	3.16	2.93	0.14
11.55	1.18	0.96	0.65	14.15	3.17	2.94	0.14
11.60	1.22	1.00	0.66	14.20	3.18	2.95	0.14
11.65	1.26	1.04	0.69	14.25	3.19	2.96	0.13
11.70	1.30	1.08	0.74	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.94	14.35	3.20	2.97	0.13
11.80	1.41	1.19	1.02	14.40	3.21	2.98	0.13
11.85	1.49	1.27	1.31	14.45	3.22	2.99	0.12
11.90	1.57	1.34	1.50	14.50	3.23	2.99	0.12
11.95	1.70	1.48	2.27	14.55	3.23	3.00	0.12
12.00	1.83	1.61	2.57	14.60	3.24	3.01	0.12
12.05	2.06	1.83	**3.80**	14.65	3.25	3.01	0.11
12.10	2.28	2.06	3.38	14.70	3.25	3.02	0.11
12.15	2.36	2.13	1.38	14.75	3.26	3.03	0.11
12.20	2.44	2.21	1.27	14.80	3.26	3.03	0.11
12.25	2.50	2.27	0.97	14.85	3.27	3.04	0.10
12.30	2.55	2.32	0.91	14.90	3.28	3.04	0.10
12.35	2.59	2.36	0.71	14.95	3.28	3.05	0.10
12.40	2.63	2.40	0.69	15.00	3.29	3.05	0.10
12.45	2.67	2.44	0.67	15.05	3.29	3.06	0.09
12.50	2.71	2.48	0.62	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.43	15.15	3.30	3.07	0.09
12.60	2.76	2.53	0.43	15.20	3.31	3.08	0.09
12.65	2.79	2.56	0.40	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.40	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.37	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.36	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.33	15.45	3.34	3.10	0.09
12.90	2.89	2.66	0.33	15.50	3.34	3.11	0.09
12.95	2.91	2.68	0.30	15.55	3.35	3.11	0.09

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.09	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.08	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.08	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.08	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.08	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.08	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.08	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.08	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.07	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.07	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.07	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.07	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

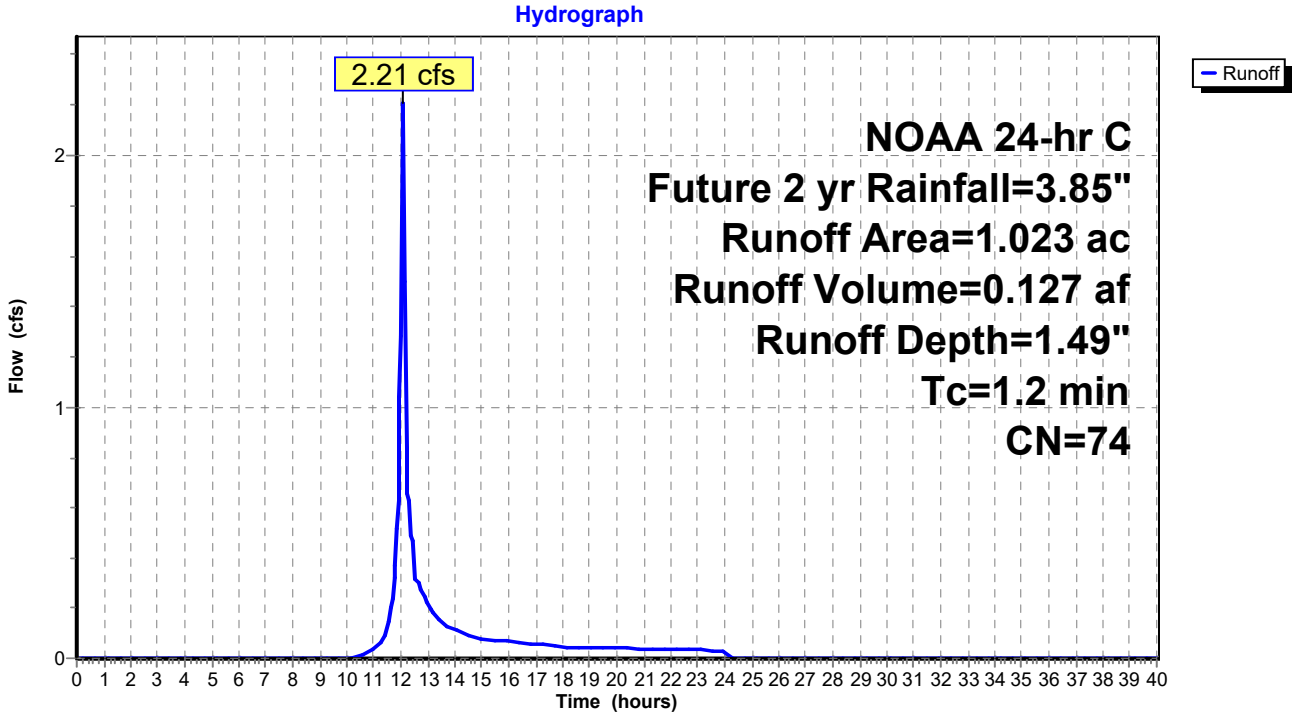
Runoff = 2.21 cfs @ 12.07 hrs, Volume= 0.127 af, Depth= 1.49"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.22
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.20
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.20
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.18
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.18
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.17
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.17
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.16
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.15
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.14
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.14
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.13
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.13
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.13
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.13
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.12
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.12
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.07	13.90	3.13	0.99	0.12
11.35	1.06	0.03	0.08	13.95	3.14	1.00	0.12
11.40	1.09	0.04	0.09	14.00	3.15	1.00	0.11
11.45	1.11	0.04	0.10	14.05	3.16	1.01	0.11
11.50	1.14	0.05	0.12	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.17	14.15	3.17	1.02	0.11
11.60	1.22	0.07	0.19	14.20	3.18	1.02	0.11
11.65	1.26	0.08	0.21	14.25	3.19	1.03	0.10
11.70	1.30	0.09	0.24	14.30	3.20	1.03	0.10
11.75	1.35	0.10	0.32	14.35	3.20	1.04	0.10
11.80	1.41	0.12	0.37	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.52	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.63	14.50	3.23	1.05	0.10
11.95	1.70	0.22	1.04	14.55	3.23	1.06	0.09
12.00	1.83	0.28	1.28	14.60	3.24	1.06	0.09
12.05	2.06	0.38	**2.11**	14.65	3.25	1.07	0.09
12.10	2.28	0.49	2.10	14.70	3.25	1.07	0.09
12.15	2.36	0.53	0.90	14.75	3.26	1.08	0.09
12.20	2.44	0.57	0.84	14.80	3.26	1.08	0.09
12.25	2.50	0.61	0.65	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.63	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.49	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.49	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.47	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.45	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.31	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.31	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.29	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.29	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.27	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.27	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.25	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.24	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.22	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.07	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.07	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.07	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.07	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.07	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.07	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.07	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.07	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.07	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.06	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.06	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

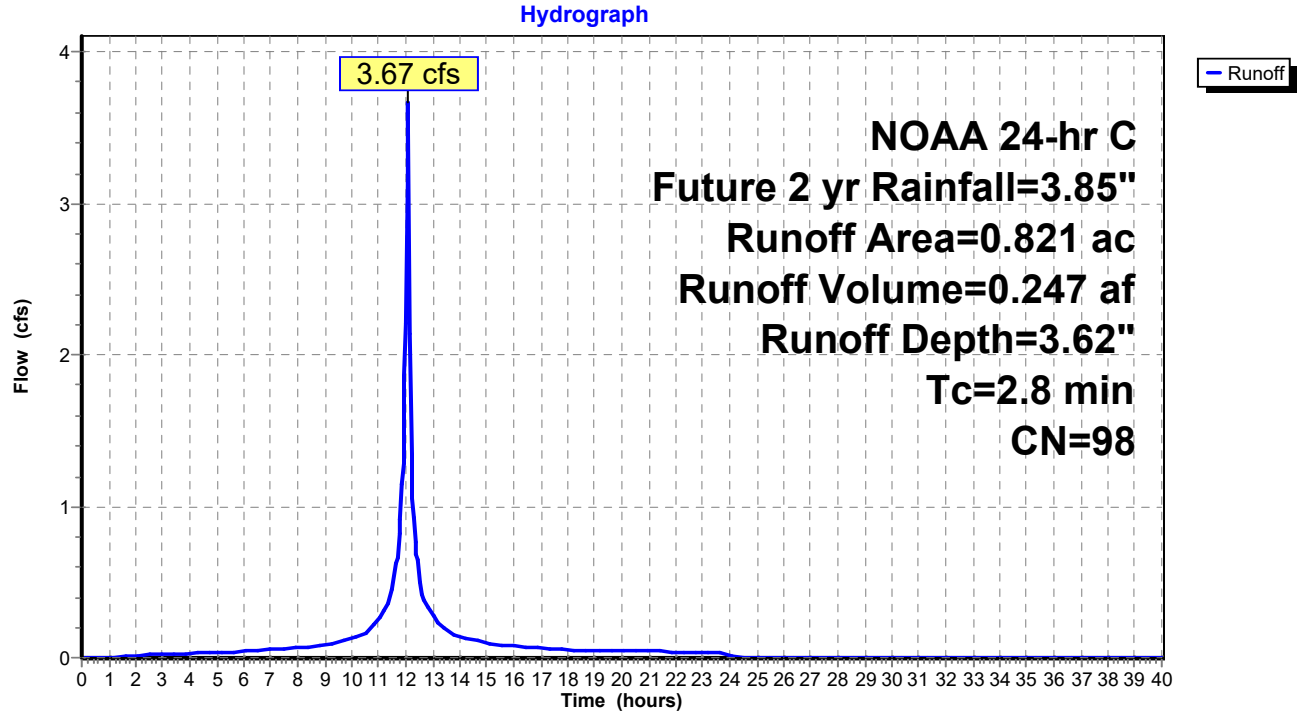
Runoff = 3.67 cfs @ 12.09 hrs, Volume= 0.247 af, Depth= 3.62"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.07
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.07
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.07
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.07
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.07
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.07
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.07
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.07
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.07
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.08
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.08
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.08
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.08
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.08
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.08
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.08
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.08
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.08
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.09
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.09
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.09
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.09
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.09
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.10
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.10
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.10
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.10
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.11
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.11
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.11
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.11
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.11
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.12
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.12
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.12
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.12
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.13
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.13
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.13
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.13
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.14
7.60	0.43	0.25	0.06	10.20	0.74	0.54	0.14
7.65	0.43	0.25	0.06	10.25	0.75	0.55	0.14
7.70	0.43	0.26	0.06	10.30	0.76	0.56	0.14
7.75	0.44	0.26	0.07	10.35	0.76	0.56	0.15

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.15	13.00	2.93	2.69	0.29
10.45	0.78	0.58	0.15	13.05	2.94	2.71	0.26
10.50	0.79	0.59	0.15	13.10	2.96	2.73	0.25
10.55	0.80	0.60	0.17	13.15	2.97	2.74	0.24
10.60	0.82	0.61	0.17	13.20	2.98	2.75	0.23
10.65	0.83	0.62	0.18	13.25	3.00	2.77	0.22
10.70	0.84	0.64	0.19	13.30	3.01	2.78	0.22
10.75	0.85	0.65	0.20	13.35	3.02	2.79	0.20
10.80	0.87	0.66	0.21	13.40	3.03	2.80	0.20
10.85	0.88	0.67	0.22	13.45	3.05	2.81	0.19
10.90	0.89	0.69	0.23	13.50	3.06	2.82	0.18
10.95	0.91	0.70	0.24	13.55	3.07	2.83	0.17
11.00	0.92	0.72	0.24	13.60	3.08	2.84	0.16
11.05	0.94	0.73	0.27	13.65	3.09	2.85	0.16
11.10	0.96	0.75	0.28	13.70	3.09	2.86	0.16
11.15	0.98	0.77	0.30	13.75	3.10	2.87	0.15
11.20	1.00	0.79	0.31	13.80	3.11	2.88	0.15
11.25	1.02	0.81	0.33	13.85	3.12	2.89	0.15
11.30	1.04	0.83	0.34	13.90	3.13	2.90	0.15
11.35	1.06	0.85	0.37	13.95	3.14	2.91	0.14
11.40	1.09	0.88	0.38	14.00	3.15	2.92	0.14
11.45	1.11	0.90	0.40	14.05	3.16	2.92	0.14
11.50	1.14	0.92	0.41	14.10	3.16	2.93	0.14
11.55	1.18	0.96	0.55	14.15	3.17	2.94	0.13
11.60	1.22	1.00	0.62	14.20	3.18	2.95	0.13
11.65	1.26	1.04	0.65	14.25	3.19	2.96	0.13
11.70	1.30	1.08	0.67	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.82	14.35	3.20	2.97	0.12
11.80	1.41	1.19	0.91	14.40	3.21	2.98	0.12
11.85	1.49	1.27	1.14	14.45	3.22	2.99	0.12
11.90	1.57	1.34	1.28	14.50	3.23	2.99	0.12
11.95	1.70	1.48	1.87	14.55	3.23	3.00	0.11
12.00	1.83	1.61	2.21	14.60	3.24	3.01	0.11
12.05	2.06	1.83	3.15	14.65	3.25	3.01	0.11
12.10	2.28	2.06	**3.60**	14.70	3.25	3.02	0.11
12.15	2.36	2.13	2.14	14.75	3.26	3.03	0.11
12.20	2.44	2.21	1.34	14.80	3.26	3.03	0.10
12.25	2.50	2.27	1.06	14.85	3.27	3.04	0.10
12.30	2.55	2.32	0.93	14.90	3.28	3.04	0.10
12.35	2.59	2.36	0.76	14.95	3.28	3.05	0.10
12.40	2.63	2.40	0.68	15.00	3.29	3.05	0.09
12.45	2.67	2.44	0.65	15.05	3.29	3.06	0.09
12.50	2.71	2.48	0.64	15.10	3.30	3.07	0.09
12.55	2.74	2.51	0.50	15.15	3.30	3.07	0.09
12.60	2.76	2.53	0.42	15.20	3.31	3.08	0.09
12.65	2.79	2.56	0.40	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.39	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.37	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.35	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.33	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.32	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.30	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.08	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.08	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.08	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.07	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.07	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

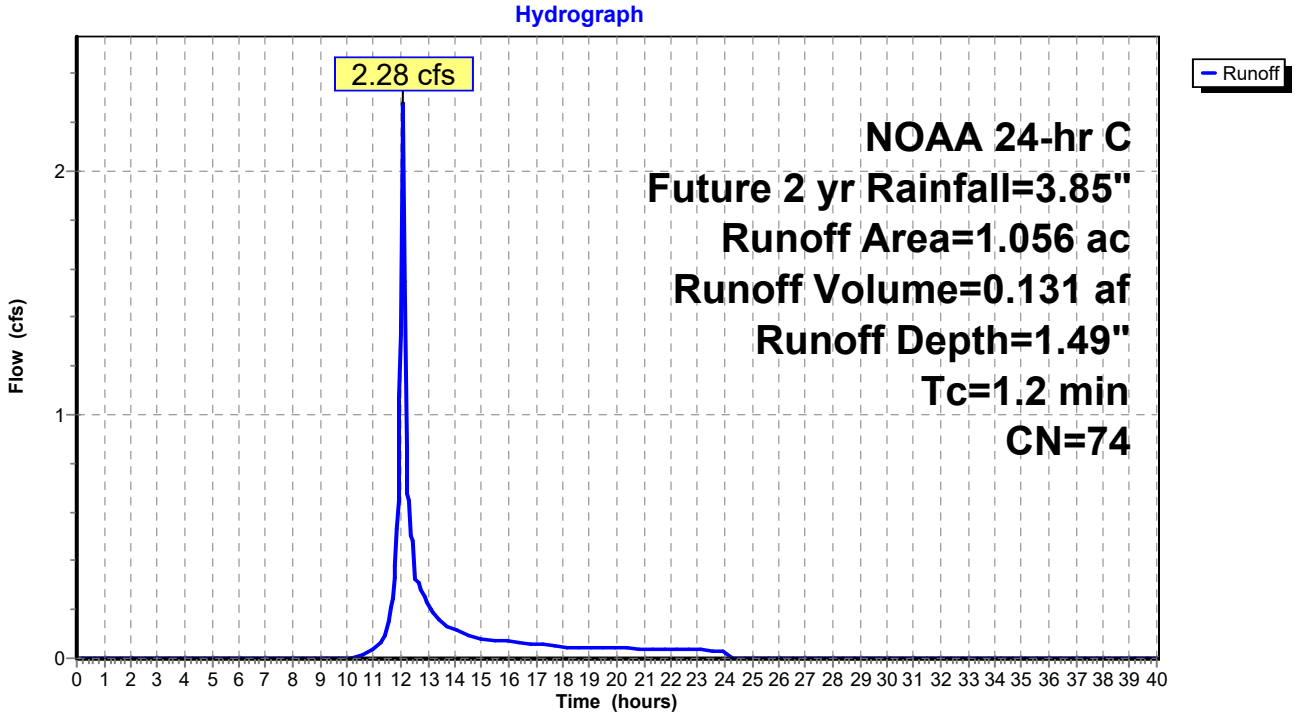
Runoff = 2.28 cfs @ 12.07 hrs, Volume= 0.131 af, Depth= 1.49"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.23
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.20
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.20
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.19
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.19
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.18
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.17
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.16
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.16
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.15
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.15
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.13
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.13
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.13
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.13
11.15	0.98	0.02	0.06	13.75	3.10	0.97	0.13
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.13
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.08	13.90	3.13	0.99	0.12
11.35	1.06	0.03	0.09	13.95	3.14	1.00	0.12
11.40	1.09	0.04	0.09	14.00	3.15	1.00	0.12
11.45	1.11	0.04	0.10	14.05	3.16	1.01	0.12
11.50	1.14	0.05	0.12	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.18	14.15	3.17	1.02	0.11
11.60	1.22	0.07	0.19	14.20	3.18	1.02	0.11
11.65	1.26	0.08	0.22	14.25	3.19	1.03	0.11
11.70	1.30	0.09	0.24	14.30	3.20	1.03	0.11
11.75	1.35	0.10	0.33	14.35	3.20	1.04	0.10
11.80	1.41	0.12	0.38	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.53	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.65	14.50	3.23	1.05	0.10
11.95	1.70	0.22	1.08	14.55	3.23	1.06	0.10
12.00	1.83	0.28	1.32	14.60	3.24	1.06	0.10
12.05	2.06	0.38	**2.18**	14.65	3.25	1.07	0.09
12.10	2.28	0.49	2.17	14.70	3.25	1.07	0.09
12.15	2.36	0.53	0.93	14.75	3.26	1.08	0.09
12.20	2.44	0.57	0.87	14.80	3.26	1.08	0.09
12.25	2.50	0.61	0.68	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.65	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.51	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.50	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.49	15.05	3.29	1.10	0.08
12.50	2.71	0.73	0.46	15.10	3.30	1.10	0.08
12.55	2.74	0.75	0.32	15.15	3.30	1.11	0.08
12.60	2.76	0.76	0.32	15.20	3.31	1.11	0.08
12.65	2.79	0.78	0.30	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.30	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.28	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.28	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.26	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.25	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.23	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.07	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.07	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.07	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.07	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.07	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.07	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.07	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.07	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.07	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.07	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.07	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.07	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.06	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.06	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.06	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.06	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 17AI: PDA-17A (impervious)

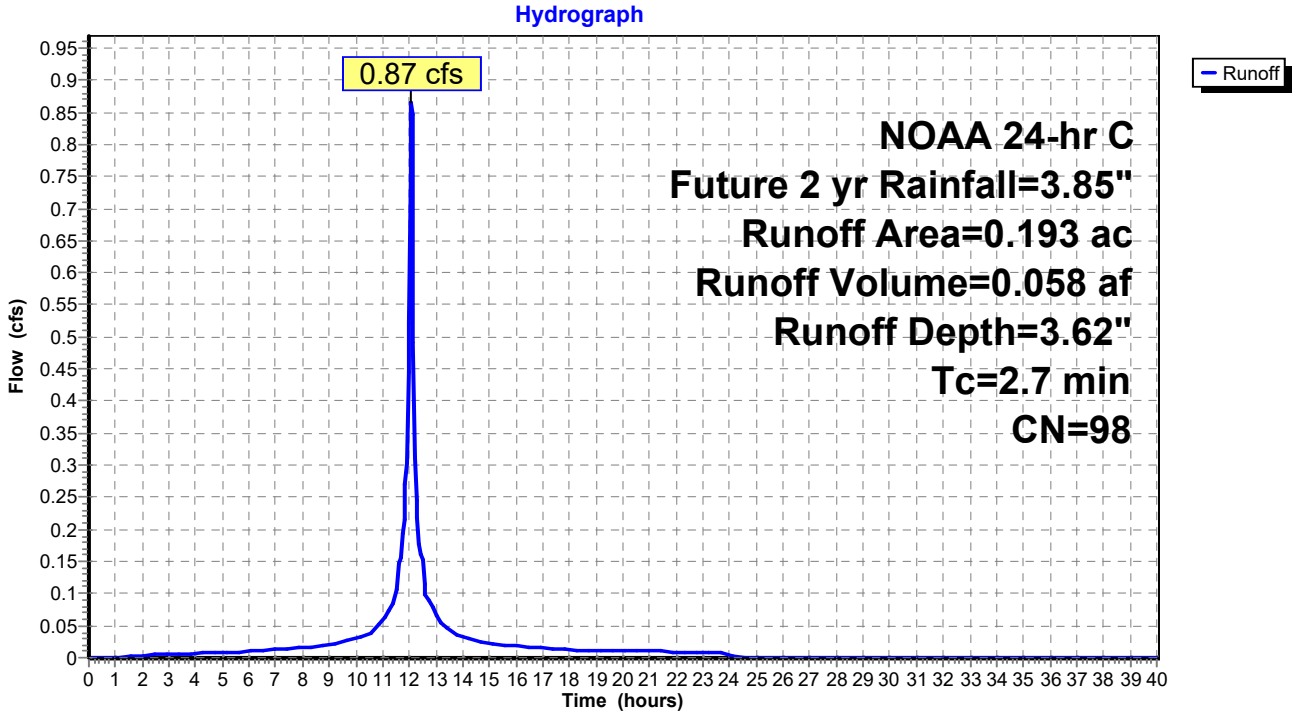
Runoff = 0.87 cfs @ 12.09 hrs, Volume= 0.058 af, Depth= 3.62"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AI: PDA-17A (impervious)



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.01
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.01
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.01
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.01
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.01
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.01
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.01
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.01
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.01
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.01
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.01
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.01
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.01
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.01
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.01
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.01
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.01
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.01
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.01
1.65	0.07	0.00	0.00	4.25	0.20	0.07	0.01
1.70	0.07	0.00	0.00	4.30	0.20	0.07	0.01
1.75	0.08	0.01	0.00	4.35	0.21	0.08	0.01
1.80	0.08	0.01	0.00	4.40	0.21	0.08	0.01
1.85	0.08	0.01	0.00	4.45	0.21	0.08	0.01
1.90	0.08	0.01	0.00	4.50	0.22	0.08	0.01
1.95	0.08	0.01	0.00	4.55	0.22	0.08	0.01
2.00	0.09	0.01	0.00	4.60	0.22	0.09	0.01
2.05	0.09	0.01	0.00	4.65	0.22	0.09	0.01
2.10	0.09	0.01	0.00	4.70	0.23	0.09	0.01
2.15	0.09	0.01	0.00	4.75	0.23	0.09	0.01
2.20	0.10	0.01	0.00	4.80	0.23	0.09	0.01
2.25	0.10	0.01	0.00	4.85	0.24	0.10	0.01
2.30	0.10	0.01	0.00	4.90	0.24	0.10	0.01
2.35	0.10	0.01	0.00	4.95	0.24	0.10	0.01
2.40	0.11	0.02	0.00	5.00	0.24	0.10	0.01
2.45	0.11	0.02	0.00	5.05	0.25	0.10	0.01
2.50	0.11	0.02	0.00	5.10	0.25	0.11	0.01
2.55	0.11	0.02	0.00	5.15	0.25	0.11	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.01	7.80	0.44	0.27	0.02
5.25	0.26	0.11	0.01	7.85	0.45	0.27	0.02
5.30	0.26	0.12	0.01	7.90	0.45	0.27	0.02
5.35	0.27	0.12	0.01	7.95	0.46	0.28	0.02
5.40	0.27	0.12	0.01	8.00	0.46	0.28	0.02
5.45	0.27	0.12	0.01	8.05	0.47	0.29	0.02
5.50	0.27	0.12	0.01	8.10	0.47	0.29	0.02
5.55	0.28	0.13	0.01	8.15	0.48	0.30	0.02
5.60	0.28	0.13	0.01	8.20	0.48	0.30	0.02
5.65	0.28	0.13	0.01	8.25	0.49	0.30	0.02
5.70	0.29	0.13	0.01	8.30	0.49	0.31	0.02
5.75	0.29	0.14	0.01	8.35	0.49	0.31	0.02
5.80	0.29	0.14	0.01	8.40	0.50	0.32	0.02
5.85	0.30	0.14	0.01	8.45	0.50	0.32	0.02
5.90	0.30	0.14	0.01	8.50	0.51	0.33	0.02
5.95	0.30	0.15	0.01	8.55	0.51	0.33	0.02
6.00	0.31	0.15	0.01	8.60	0.52	0.34	0.02
6.05	0.31	0.15	0.01	8.65	0.53	0.34	0.02
6.10	0.31	0.15	0.01	8.70	0.53	0.35	0.02
6.15	0.31	0.16	0.01	8.75	0.54	0.35	0.02
6.20	0.32	0.16	0.01	8.80	0.54	0.36	0.02
6.25	0.32	0.16	0.01	8.85	0.55	0.36	0.02
6.30	0.32	0.17	0.01	8.90	0.55	0.36	0.02
6.35	0.33	0.17	0.01	8.95	0.56	0.37	0.02
6.40	0.33	0.17	0.01	9.00	0.56	0.37	0.02
6.45	0.33	0.17	0.01	9.05	0.57	0.38	0.02
6.50	0.34	0.18	0.01	9.10	0.57	0.39	0.02
6.55	0.34	0.18	0.01	9.15	0.58	0.39	0.02
6.60	0.35	0.18	0.01	9.20	0.59	0.40	0.02
6.65	0.35	0.19	0.01	9.25	0.59	0.40	0.02
6.70	0.35	0.19	0.01	9.30	0.60	0.41	0.02
6.75	0.36	0.19	0.01	9.35	0.60	0.41	0.02
6.80	0.36	0.19	0.01	9.40	0.61	0.42	0.02
6.85	0.36	0.20	0.01	9.45	0.62	0.43	0.02
6.90	0.37	0.20	0.01	9.50	0.62	0.43	0.02
6.95	0.37	0.20	0.01	9.55	0.63	0.44	0.03
7.00	0.38	0.21	0.01	9.60	0.64	0.45	0.03
7.05	0.38	0.21	0.01	9.65	0.65	0.45	0.03
7.10	0.38	0.21	0.01	9.70	0.65	0.46	0.03
7.15	0.39	0.22	0.01	9.75	0.66	0.47	0.03
7.20	0.39	0.22	0.01	9.80	0.67	0.47	0.03
7.25	0.40	0.23	0.01	9.85	0.68	0.48	0.03
7.30	0.40	0.23	0.01	9.90	0.69	0.49	0.03
7.35	0.40	0.23	0.01	9.95	0.69	0.50	0.03
7.40	0.41	0.24	0.01	10.00	0.70	0.51	0.03
7.45	0.41	0.24	0.01	10.05	0.71	0.51	0.03
7.50	0.42	0.24	0.01	10.10	0.72	0.52	0.03
7.55	0.42	0.25	0.01	10.15	0.73	0.53	0.03
7.60	0.43	0.25	0.01	10.20	0.74	0.54	0.03
7.65	0.43	0.25	0.01	10.25	0.75	0.55	0.03
7.70	0.43	0.26	0.02	10.30	0.76	0.56	0.03
7.75	0.44	0.26	0.02	10.35	0.76	0.56	0.03

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.03	13.00	2.93	2.69	0.07
10.45	0.78	0.58	0.04	13.05	2.94	2.71	0.06
10.50	0.79	0.59	0.04	13.10	2.96	2.73	0.06
10.55	0.80	0.60	0.04	13.15	2.97	2.74	0.06
10.60	0.82	0.61	0.04	13.20	2.98	2.75	0.05
10.65	0.83	0.62	0.04	13.25	3.00	2.77	0.05
10.70	0.84	0.64	0.04	13.30	3.01	2.78	0.05
10.75	0.85	0.65	0.05	13.35	3.02	2.79	0.05
10.80	0.87	0.66	0.05	13.40	3.03	2.80	0.05
10.85	0.88	0.67	0.05	13.45	3.05	2.81	0.04
10.90	0.89	0.69	0.05	13.50	3.06	2.82	0.04
10.95	0.91	0.70	0.06	13.55	3.07	2.83	0.04
11.00	0.92	0.72	0.06	13.60	3.08	2.84	0.04
11.05	0.94	0.73	0.06	13.65	3.09	2.85	0.04
11.10	0.96	0.75	0.07	13.70	3.09	2.86	0.04
11.15	0.98	0.77	0.07	13.75	3.10	2.87	0.04
11.20	1.00	0.79	0.07	13.80	3.11	2.88	0.04
11.25	1.02	0.81	0.08	13.85	3.12	2.89	0.03
11.30	1.04	0.83	0.08	13.90	3.13	2.90	0.03
11.35	1.06	0.85	0.09	13.95	3.14	2.91	0.03
11.40	1.09	0.88	0.09	14.00	3.15	2.92	0.03
11.45	1.11	0.90	0.09	14.05	3.16	2.92	0.03
11.50	1.14	0.92	0.10	14.10	3.16	2.93	0.03
11.55	1.18	0.96	0.13	14.15	3.17	2.94	0.03
11.60	1.22	1.00	0.15	14.20	3.18	2.95	0.03
11.65	1.26	1.04	0.15	14.25	3.19	2.96	0.03
11.70	1.30	1.08	0.16	14.30	3.20	2.96	0.03
11.75	1.35	1.14	0.20	14.35	3.20	2.97	0.03
11.80	1.41	1.19	0.22	14.40	3.21	2.98	0.03
11.85	1.49	1.27	0.27	14.45	3.22	2.99	0.03
11.90	1.57	1.34	0.30	14.50	3.23	2.99	0.03
11.95	1.70	1.48	0.44	14.55	3.23	3.00	0.03
12.00	1.83	1.61	0.52	14.60	3.24	3.01	0.03
12.05	2.06	1.83	0.75	14.65	3.25	3.01	0.03
12.10	2.28	2.06	**0.85**	14.70	3.25	3.02	0.03
12.15	2.36	2.13	0.49	14.75	3.26	3.03	0.02
12.20	2.44	2.21	0.31	14.80	3.26	3.03	0.02
12.25	2.50	2.27	0.25	14.85	3.27	3.04	0.02
12.30	2.55	2.32	0.22	14.90	3.28	3.04	0.02
12.35	2.59	2.36	0.18	14.95	3.28	3.05	0.02
12.40	2.63	2.40	0.16	15.00	3.29	3.05	0.02
12.45	2.67	2.44	0.15	15.05	3.29	3.06	0.02
12.50	2.71	2.48	0.15	15.10	3.30	3.07	0.02
12.55	2.74	2.51	0.12	15.15	3.30	3.07	0.02
12.60	2.76	2.53	0.10	15.20	3.31	3.08	0.02
12.65	2.79	2.56	0.09	15.25	3.31	3.08	0.02
12.70	2.81	2.58	0.09	15.30	3.32	3.09	0.02
12.75	2.83	2.60	0.09	15.35	3.32	3.09	0.02
12.80	2.85	2.62	0.08	15.40	3.33	3.10	0.02
12.85	2.87	2.64	0.08	15.45	3.34	3.10	0.02
12.90	2.89	2.66	0.08	15.50	3.34	3.11	0.02
12.95	2.91	2.68	0.07	15.55	3.35	3.11	0.02

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.02	18.20	3.56	3.32	0.01
15.65	3.36	3.12	0.02	18.25	3.56	3.33	0.01
15.70	3.36	3.13	0.02	18.30	3.56	3.33	0.01
15.75	3.36	3.13	0.02	18.35	3.57	3.33	0.01
15.80	3.37	3.14	0.02	18.40	3.57	3.34	0.01
15.85	3.37	3.14	0.02	18.45	3.57	3.34	0.01
15.90	3.38	3.15	0.02	18.50	3.58	3.34	0.01
15.95	3.38	3.15	0.02	18.55	3.58	3.34	0.01
16.00	3.39	3.16	0.02	18.60	3.58	3.35	0.01
16.05	3.39	3.16	0.02	18.65	3.58	3.35	0.01
16.10	3.40	3.16	0.02	18.70	3.59	3.35	0.01
16.15	3.40	3.17	0.02	18.75	3.59	3.36	0.01
16.20	3.41	3.17	0.02	18.80	3.59	3.36	0.01
16.25	3.41	3.18	0.02	18.85	3.60	3.36	0.01
16.30	3.42	3.18	0.02	18.90	3.60	3.37	0.01
16.35	3.42	3.19	0.02	18.95	3.60	3.37	0.01
16.40	3.42	3.19	0.02	19.00	3.61	3.37	0.01
16.45	3.43	3.20	0.02	19.05	3.61	3.37	0.01
16.50	3.43	3.20	0.02	19.10	3.61	3.38	0.01
16.55	3.44	3.20	0.02	19.15	3.61	3.38	0.01
16.60	3.44	3.21	0.02	19.20	3.62	3.38	0.01
16.65	3.45	3.21	0.02	19.25	3.62	3.39	0.01
16.70	3.45	3.22	0.02	19.30	3.62	3.39	0.01
16.75	3.45	3.22	0.02	19.35	3.63	3.39	0.01
16.80	3.46	3.23	0.02	19.40	3.63	3.39	0.01
16.85	3.46	3.23	0.02	19.45	3.63	3.40	0.01
16.90	3.47	3.23	0.02	19.50	3.63	3.40	0.01
16.95	3.47	3.24	0.02	19.55	3.64	3.40	0.01
17.00	3.47	3.24	0.02	19.60	3.64	3.41	0.01
17.05	3.48	3.24	0.02	19.65	3.64	3.41	0.01
17.10	3.48	3.25	0.02	19.70	3.65	3.41	0.01
17.15	3.49	3.25	0.01	19.75	3.65	3.41	0.01
17.20	3.49	3.26	0.01	19.80	3.65	3.42	0.01
17.25	3.49	3.26	0.01	19.85	3.65	3.42	0.01
17.30	3.50	3.26	0.01	19.90	3.66	3.42	0.01
17.35	3.50	3.27	0.01	19.95	3.66	3.42	0.01
17.40	3.50	3.27	0.01	20.00	3.66	3.43	0.01
17.45	3.51	3.27	0.01	20.05	3.66	3.43	0.01
17.50	3.51	3.28	0.01	20.10	3.67	3.43	0.01
17.55	3.52	3.28	0.01	20.15	3.67	3.44	0.01
17.60	3.52	3.28	0.01	20.20	3.67	3.44	0.01
17.65	3.52	3.29	0.01	20.25	3.68	3.44	0.01
17.70	3.53	3.29	0.01	20.30	3.68	3.44	0.01
17.75	3.53	3.30	0.01	20.35	3.68	3.45	0.01
17.80	3.53	3.30	0.01	20.40	3.68	3.45	0.01
17.85	3.54	3.30	0.01	20.45	3.69	3.45	0.01
17.90	3.54	3.30	0.01	20.50	3.69	3.45	0.01
17.95	3.54	3.31	0.01	20.55	3.69	3.46	0.01
18.00	3.54	3.31	0.01	20.60	3.69	3.46	0.01
18.05	3.55	3.31	0.01	20.65	3.70	3.46	0.01
18.10	3.55	3.32	0.01	20.70	3.70	3.46	0.01
18.15	3.55	3.32	0.01	20.75	3.70	3.47	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.01	23.40	3.82	3.59	0.01
20.85	3.71	3.47	0.01	23.45	3.83	3.59	0.01
20.90	3.71	3.47	0.01	23.50	3.83	3.59	0.01
20.95	3.71	3.48	0.01	23.55	3.83	3.60	0.01
21.00	3.71	3.48	0.01	23.60	3.83	3.60	0.01
21.05	3.72	3.48	0.01	23.65	3.84	3.60	0.01
21.10	3.72	3.49	0.01	23.70	3.84	3.60	0.01
21.15	3.72	3.49	0.01	23.75	3.84	3.60	0.01
21.20	3.72	3.49	0.01	23.80	3.84	3.61	0.01
21.25	3.73	3.49	0.01	23.85	3.84	3.61	0.01
21.30	3.73	3.50	0.01	23.90	3.85	3.61	0.01
21.35	3.73	3.50	0.01	23.95	3.85	3.61	0.01
21.40	3.73	3.50	0.01	24.00	**3.85**	**3.62**	0.01
21.45	3.74	3.50	0.01	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.01	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.01	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.01	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.01	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.01	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.01	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.01	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.01	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.01	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.01	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.01	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.01	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.01	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.01	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.01	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.01	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.01	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.01	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.01	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.01	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.01	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.01	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.01	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.01	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.01	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.01	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.01	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.01	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.01	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.01	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.01	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.01	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.01	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.01	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.01	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.01	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.01	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.01	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

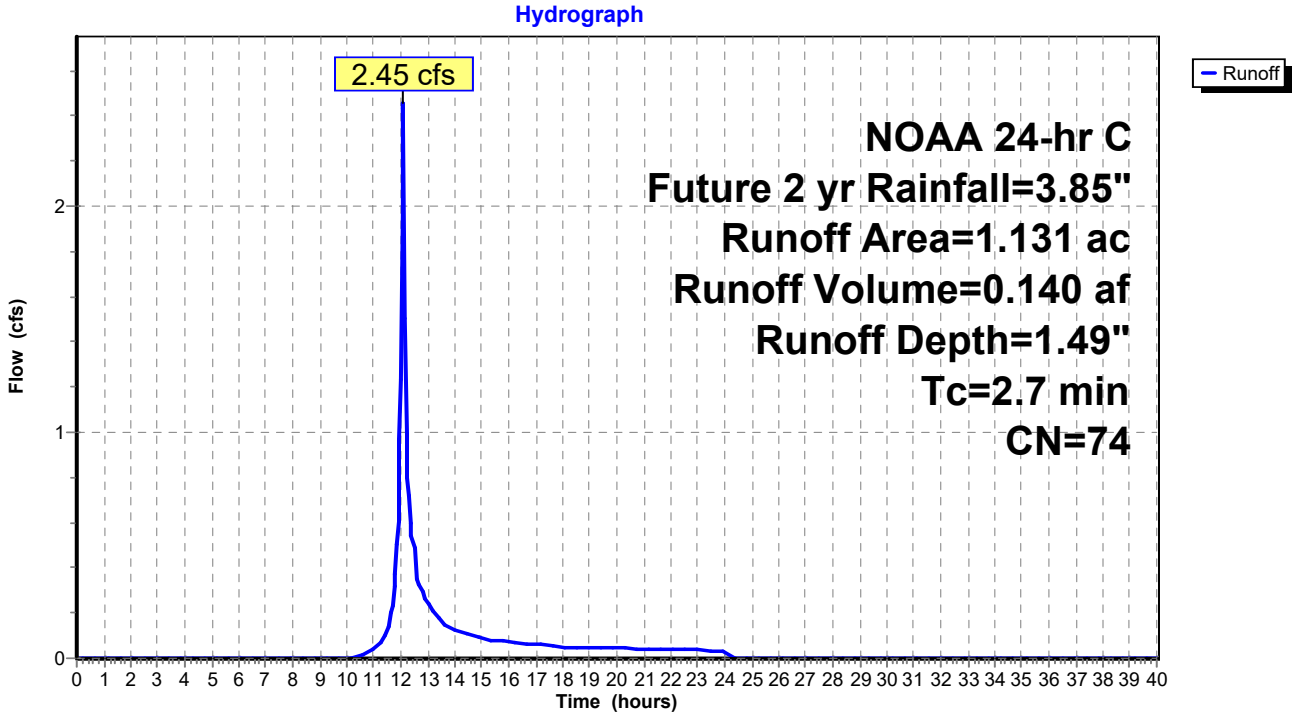
Runoff = 2.45 cfs @ 12.09 hrs, Volume= 0.140 af, Depth= 1.49"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.25
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.23
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.22
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.21
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.20
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.19
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.19
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.18
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.17
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.16
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.16
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.15
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.14
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.14
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.14
11.15	0.98	0.02	0.06	13.75	3.10	0.97	0.14
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.14
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.13
11.30	1.04	0.03	0.08	13.90	3.13	0.99	0.13
11.35	1.06	0.03	0.09	13.95	3.14	1.00	0.13
11.40	1.09	0.04	0.10	14.00	3.15	1.00	0.13
11.45	1.11	0.04	0.11	14.05	3.16	1.01	0.12
11.50	1.14	0.05	0.12	14.10	3.16	1.01	0.12
11.55	1.18	0.06	0.17	14.15	3.17	1.02	0.12
11.60	1.22	0.07	0.20	14.20	3.18	1.02	0.12
11.65	1.26	0.08	0.22	14.25	3.19	1.03	0.12
11.70	1.30	0.09	0.24	14.30	3.20	1.03	0.12
11.75	1.35	0.10	0.32	14.35	3.20	1.04	0.11
11.80	1.41	0.12	0.37	14.40	3.21	1.04	0.11
11.85	1.49	0.14	0.50	14.45	3.22	1.05	0.11
11.90	1.57	0.17	0.60	14.50	3.23	1.05	0.11
11.95	1.70	0.22	0.97	14.55	3.23	1.06	0.10
12.00	1.83	0.28	1.23	14.60	3.24	1.06	0.10
12.05	2.06	0.38	1.97	14.65	3.25	1.07	0.10
12.10	2.28	0.49	**2.43**	14.70	3.25	1.07	0.10
12.15	2.36	0.53	1.50	14.75	3.26	1.08	0.10
12.20	2.44	0.57	0.99	14.80	3.26	1.08	0.10
12.25	2.50	0.61	0.80	14.85	3.27	1.08	0.09
12.30	2.55	0.64	0.72	14.90	3.28	1.09	0.09
12.35	2.59	0.66	0.60	14.95	3.28	1.09	0.09
12.40	2.63	0.69	0.54	15.00	3.29	1.10	0.09
12.45	2.67	0.71	0.53	15.05	3.29	1.10	0.08
12.50	2.71	0.73	0.52	15.10	3.30	1.10	0.08
12.55	2.74	0.75	0.40	15.15	3.30	1.11	0.08
12.60	2.76	0.76	0.35	15.20	3.31	1.11	0.08
12.65	2.79	0.78	0.33	15.25	3.31	1.11	0.08
12.70	2.81	0.79	0.33	15.30	3.32	1.12	0.08
12.75	2.83	0.80	0.31	15.35	3.32	1.12	0.08
12.80	2.85	0.82	0.30	15.40	3.33	1.12	0.08
12.85	2.87	0.83	0.28	15.45	3.34	1.13	0.08
12.90	2.89	0.84	0.27	15.50	3.34	1.13	0.08
12.95	2.91	0.85	0.26	15.55	3.35	1.13	0.08

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.08	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.08	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.08	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.08	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.07	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.07	18.45	3.57	1.29	0.05
15.90	3.38	1.16	0.07	18.50	3.58	1.29	0.05
15.95	3.38	1.16	0.07	18.55	3.58	1.29	0.05
16.00	3.39	1.16	0.07	18.60	3.58	1.30	0.05
16.05	3.39	1.17	0.07	18.65	3.58	1.30	0.05
16.10	3.40	1.17	0.07	18.70	3.59	1.30	0.05
16.15	3.40	1.17	0.07	18.75	3.59	1.30	0.05
16.20	3.41	1.18	0.07	18.80	3.59	1.30	0.05
16.25	3.41	1.18	0.07	18.85	3.60	1.31	0.05
16.30	3.42	1.18	0.07	18.90	3.60	1.31	0.05
16.35	3.42	1.19	0.07	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.07	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.07	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.07	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.07	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.07	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.07	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.07	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.06	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.06	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.06	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.06	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.06	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.06	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.06	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.06	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.06	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.06	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

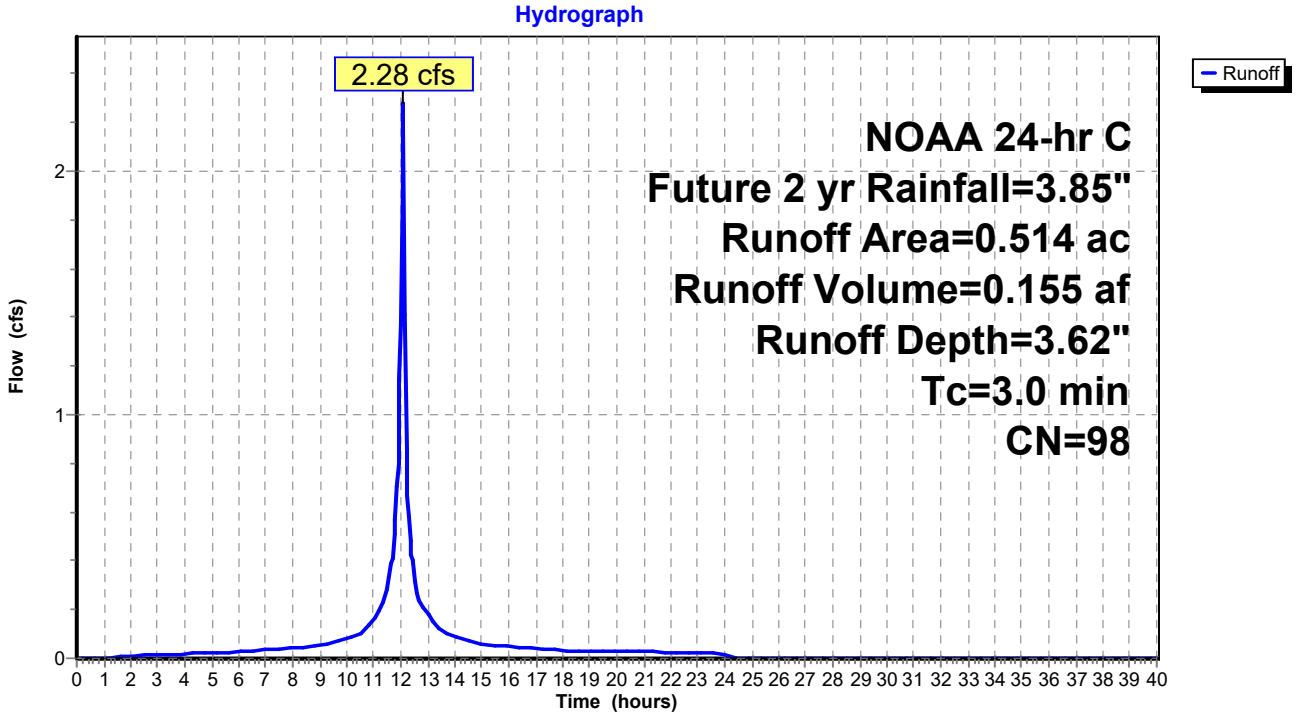
Runoff = 2.28 cfs @ 12.09 hrs, Volume= 0.155 af, Depth= 3.62"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.05
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.05
5.75	0.29	0.14	0.03	8.35	0.49	0.31	0.05
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.05
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.05
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.05
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.05
6.00	0.31	0.15	0.03	8.60	0.52	0.34	0.05
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.05
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.05
6.15	0.31	0.16	0.03	8.75	0.54	0.35	0.05
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.05
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.05
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.05
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.05
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.05
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.06
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.06
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.06
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.06
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.06
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.06
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.07
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.07
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.07
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.07
7.10	0.38	0.21	0.04	9.70	0.65	0.46	0.07
7.15	0.39	0.22	0.04	9.75	0.66	0.47	0.07
7.20	0.39	0.22	0.04	9.80	0.67	0.47	0.07
7.25	0.40	0.23	0.04	9.85	0.68	0.48	0.08
7.30	0.40	0.23	0.04	9.90	0.69	0.49	0.08
7.35	0.40	0.23	0.04	9.95	0.69	0.50	0.08
7.40	0.41	0.24	0.04	10.00	0.70	0.51	0.08
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.08
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.08
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.09
7.60	0.43	0.25	0.04	10.20	0.74	0.54	0.09
7.65	0.43	0.25	0.04	10.25	0.75	0.55	0.09
7.70	0.43	0.26	0.04	10.30	0.76	0.56	0.09
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.09

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.09	13.00	2.93	2.69	0.18
10.45	0.78	0.58	0.09	13.05	2.94	2.71	0.17
10.50	0.79	0.59	0.10	13.10	2.96	2.73	0.16
10.55	0.80	0.60	0.10	13.15	2.97	2.74	0.15
10.60	0.82	0.61	0.11	13.20	2.98	2.75	0.15
10.65	0.83	0.62	0.11	13.25	3.00	2.77	0.14
10.70	0.84	0.64	0.12	13.30	3.01	2.78	0.13
10.75	0.85	0.65	0.13	13.35	3.02	2.79	0.13
10.80	0.87	0.66	0.13	13.40	3.03	2.80	0.12
10.85	0.88	0.67	0.14	13.45	3.05	2.81	0.12
10.90	0.89	0.69	0.14	13.50	3.06	2.82	0.11
10.95	0.91	0.70	0.15	13.55	3.07	2.83	0.11
11.00	0.92	0.72	0.15	13.60	3.08	2.84	0.10
11.05	0.94	0.73	0.16	13.65	3.09	2.85	0.10
11.10	0.96	0.75	0.17	13.70	3.09	2.86	0.10
11.15	0.98	0.77	0.19	13.75	3.10	2.87	0.10
11.20	1.00	0.79	0.19	13.80	3.11	2.88	0.09
11.25	1.02	0.81	0.21	13.85	3.12	2.89	0.09
11.30	1.04	0.83	0.22	13.90	3.13	2.90	0.09
11.35	1.06	0.85	0.23	13.95	3.14	2.91	0.09
11.40	1.09	0.88	0.24	14.00	3.15	2.92	0.09
11.45	1.11	0.90	0.25	14.05	3.16	2.92	0.09
11.50	1.14	0.92	0.26	14.10	3.16	2.93	0.09
11.55	1.18	0.96	0.34	14.15	3.17	2.94	0.08
11.60	1.22	1.00	0.39	14.20	3.18	2.95	0.08
11.65	1.26	1.04	0.41	14.25	3.19	2.96	0.08
11.70	1.30	1.08	0.42	14.30	3.20	2.96	0.08
11.75	1.35	1.14	0.51	14.35	3.20	2.97	0.08
11.80	1.41	1.19	0.57	14.40	3.21	2.98	0.08
11.85	1.49	1.27	0.70	14.45	3.22	2.99	0.07
11.90	1.57	1.34	0.80	14.50	3.23	2.99	0.07
11.95	1.70	1.48	1.14	14.55	3.23	3.00	0.07
12.00	1.83	1.61	1.37	14.60	3.24	3.01	0.07
12.05	2.06	1.83	1.93	14.65	3.25	3.01	0.07
12.10	2.28	2.06	**2.25**	14.70	3.25	3.02	0.07
12.15	2.36	2.13	1.41	14.75	3.26	3.03	0.07
12.20	2.44	2.21	0.86	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.67	14.85	3.27	3.04	0.06
12.30	2.55	2.32	0.58	14.90	3.28	3.04	0.06
12.35	2.59	2.36	0.49	14.95	3.28	3.05	0.06
12.40	2.63	2.40	0.43	15.00	3.29	3.05	0.06
12.45	2.67	2.44	0.41	15.05	3.29	3.06	0.06
12.50	2.71	2.48	0.40	15.10	3.30	3.07	0.06
12.55	2.74	2.51	0.32	15.15	3.30	3.07	0.06
12.60	2.76	2.53	0.26	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.25	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.24	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.23	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.22	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.21	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.20	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.19	15.55	3.35	3.11	0.05

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.05	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.05	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.05	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.05	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.05	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.05	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.05	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.05	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.05	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.05	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.05	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.05	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.05	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.05	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.05	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.05	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.05	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.04	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.04	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.04	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.04	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.04	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.04	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.04	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.04	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.04	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.04	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.04	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.04	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.04	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.04	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.04	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.03
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.03
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.03
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.03
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.03	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.03	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.03	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.03	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.03	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.03	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.03	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.03	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

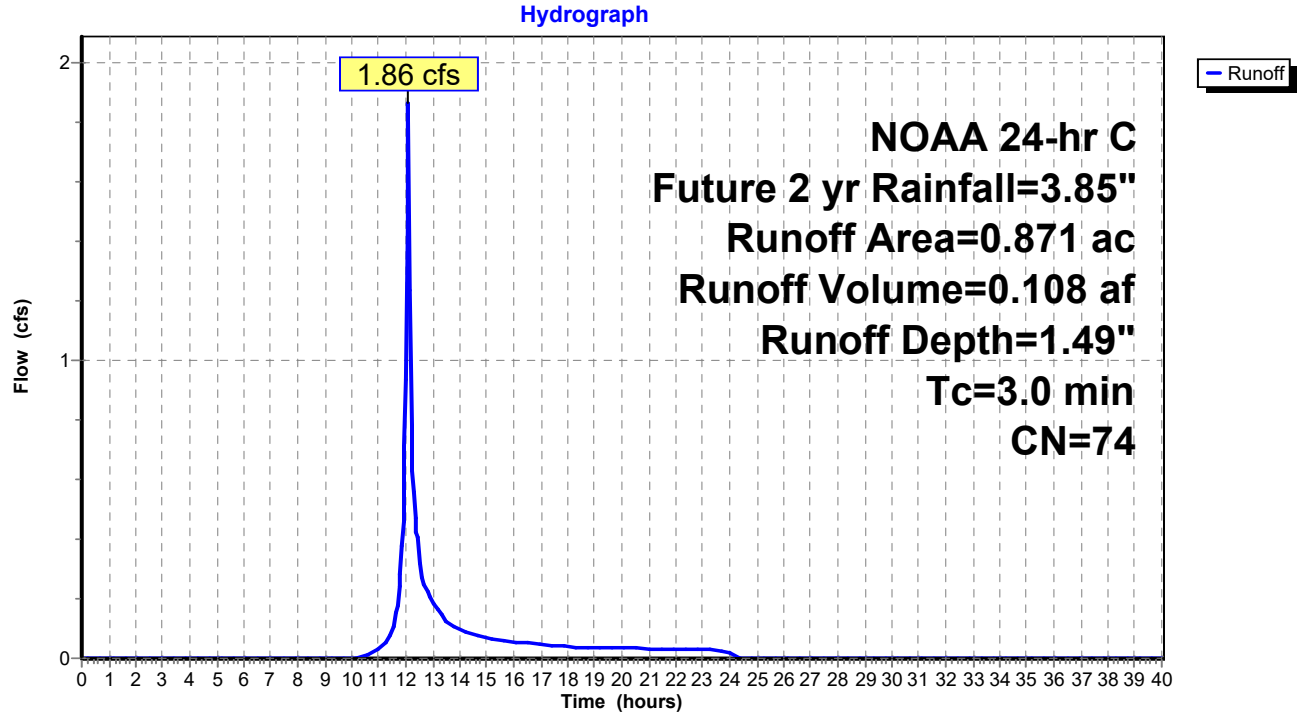
Runoff = 1.86 cfs @ 12.09 hrs, Volume= 0.108 af, Depth= 1.49"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.19
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.18
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.17
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.16
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.16
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.15
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.15
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.14
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.13
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.13
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.12
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.11
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.11
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.11
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.11
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.11
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.10
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.10
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.10
11.35	1.06	0.03	0.07	13.95	3.14	1.00	0.10
11.40	1.09	0.04	0.07	14.00	3.15	1.00	0.10
11.45	1.11	0.04	0.08	14.05	3.16	1.01	0.10
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.10
11.55	1.18	0.06	0.12	14.15	3.17	1.02	0.09
11.60	1.22	0.07	0.15	14.20	3.18	1.02	0.09
11.65	1.26	0.08	0.17	14.25	3.19	1.03	0.09
11.70	1.30	0.09	0.18	14.30	3.20	1.03	0.09
11.75	1.35	0.10	0.24	14.35	3.20	1.04	0.09
11.80	1.41	0.12	0.28	14.40	3.21	1.04	0.09
11.85	1.49	0.14	0.38	14.45	3.22	1.05	0.08
11.90	1.57	0.17	0.46	14.50	3.23	1.05	0.08
11.95	1.70	0.22	0.71	14.55	3.23	1.06	0.08
12.00	1.83	0.28	0.93	14.60	3.24	1.06	0.08
12.05	2.06	0.38	1.45	14.65	3.25	1.07	0.08
12.10	2.28	0.49	**1.86**	14.70	3.25	1.07	0.08
12.15	2.36	0.53	1.24	14.75	3.26	1.08	0.07
12.20	2.44	0.57	0.78	14.80	3.26	1.08	0.07
12.25	2.50	0.61	0.63	14.85	3.27	1.08	0.07
12.30	2.55	0.64	0.56	14.90	3.28	1.09	0.07
12.35	2.59	0.66	0.47	14.95	3.28	1.09	0.07
12.40	2.63	0.69	0.42	15.00	3.29	1.10	0.07
12.45	2.67	0.71	0.41	15.05	3.29	1.10	0.06
12.50	2.71	0.73	0.40	15.10	3.30	1.10	0.06
12.55	2.74	0.75	0.32	15.15	3.30	1.11	0.06
12.60	2.76	0.76	0.27	15.20	3.31	1.11	0.06
12.65	2.79	0.78	0.26	15.25	3.31	1.11	0.06
12.70	2.81	0.79	0.25	15.30	3.32	1.12	0.06
12.75	2.83	0.80	0.24	15.35	3.32	1.12	0.06
12.80	2.85	0.82	0.23	15.40	3.33	1.12	0.06
12.85	2.87	0.83	0.22	15.45	3.34	1.13	0.06
12.90	2.89	0.84	0.21	15.50	3.34	1.13	0.06
12.95	2.91	0.85	0.20	15.55	3.35	1.13	0.06

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.06	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.05	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.05	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.05	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.05	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.05	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.05	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.05	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.05	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.05	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.05	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.05	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.05	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.04	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.04	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.04	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.04	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.04	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.04	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

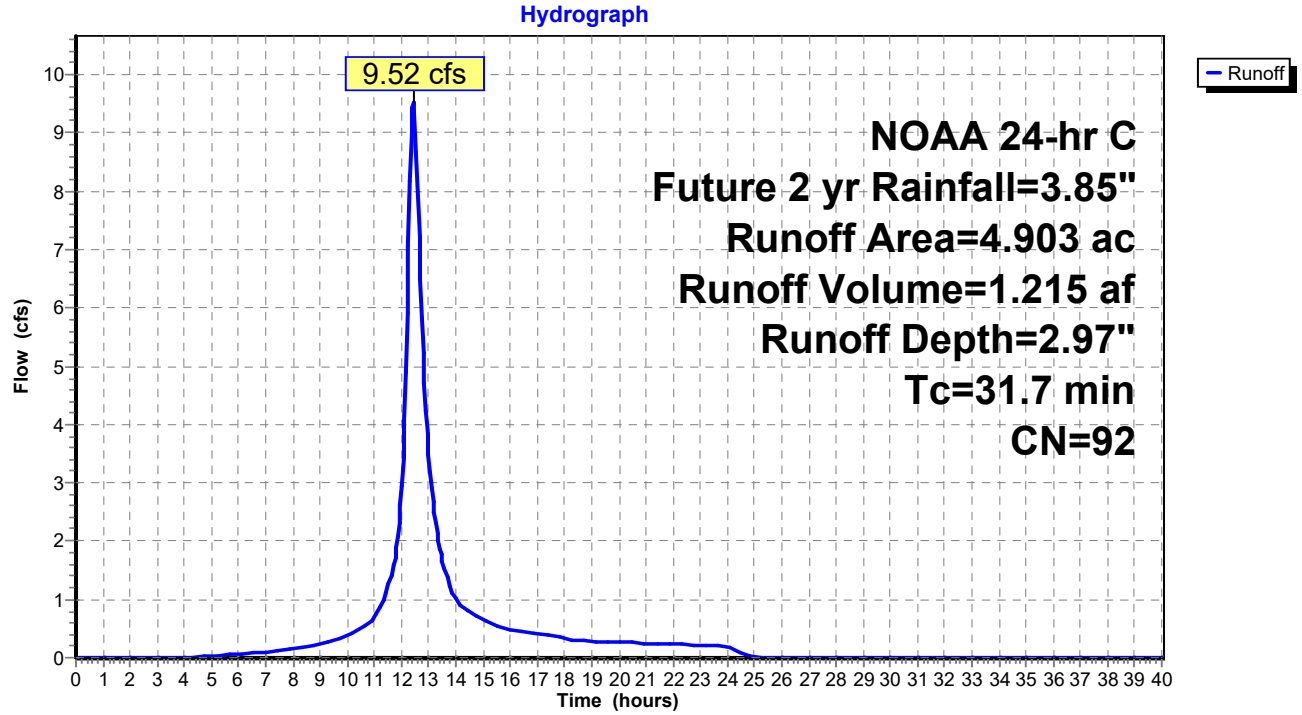
Runoff = 9.52 cfs @ 12.43 hrs, Volume= 1.215 af, Depth= 2.97"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.01
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.01
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.01
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.01
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.01
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.01
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.01
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.02
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.02
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.02
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.02
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.02
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.02
2.40	0.11	0.00	0.00	5.00	0.24	0.01	0.03
2.45	0.11	0.00	0.00	5.05	0.25	0.01	0.03
2.50	0.11	0.00	0.00	5.10	0.25	0.01	0.03
2.55	0.11	0.00	0.00	5.15	0.25	0.01	0.03

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.01	0.03	7.80	0.44	0.06	0.15
5.25	0.26	0.01	0.03	7.85	0.45	0.07	0.16
5.30	0.26	0.01	0.04	7.90	0.45	0.07	0.16
5.35	0.27	0.01	0.04	7.95	0.46	0.07	0.16
5.40	0.27	0.01	0.04	8.00	0.46	0.07	0.17
5.45	0.27	0.01	0.04	8.05	0.47	0.07	0.17
5.50	0.27	0.01	0.04	8.10	0.47	0.08	0.17
5.55	0.28	0.01	0.04	8.15	0.48	0.08	0.18
5.60	0.28	0.01	0.05	8.20	0.48	0.08	0.18
5.65	0.28	0.01	0.05	8.25	0.49	0.08	0.18
5.70	0.29	0.01	0.05	8.30	0.49	0.08	0.19
5.75	0.29	0.01	0.05	8.35	0.49	0.09	0.19
5.80	0.29	0.01	0.05	8.40	0.50	0.09	0.19
5.85	0.30	0.01	0.05	8.45	0.50	0.09	0.20
5.90	0.30	0.02	0.06	8.50	0.51	0.09	0.20
5.95	0.30	0.02	0.06	8.55	0.51	0.10	0.21
6.00	0.31	0.02	0.06	8.60	0.52	0.10	0.21
6.05	0.31	0.02	0.06	8.65	0.53	0.10	0.21
6.10	0.31	0.02	0.06	8.70	0.53	0.10	0.22
6.15	0.31	0.02	0.06	8.75	0.54	0.11	0.22
6.20	0.32	0.02	0.07	8.80	0.54	0.11	0.22
6.25	0.32	0.02	0.07	8.85	0.55	0.11	0.23
6.30	0.32	0.02	0.07	8.90	0.55	0.11	0.23
6.35	0.33	0.02	0.07	8.95	0.56	0.12	0.24
6.40	0.33	0.02	0.07	9.00	0.56	0.12	0.24
6.45	0.33	0.03	0.08	9.05	0.57	0.12	0.24
6.50	0.34	0.03	0.08	9.10	0.57	0.13	0.25
6.55	0.34	0.03	0.08	9.15	0.58	0.13	0.25
6.60	0.35	0.03	0.08	9.20	0.59	0.13	0.26
6.65	0.35	0.03	0.08	9.25	0.59	0.14	0.26
6.70	0.35	0.03	0.09	9.30	0.60	0.14	0.27
6.75	0.36	0.03	0.09	9.35	0.60	0.14	0.27
6.80	0.36	0.03	0.09	9.40	0.61	0.15	0.28
6.85	0.36	0.03	0.09	9.45	0.62	0.15	0.29
6.90	0.37	0.04	0.10	9.50	0.62	0.15	0.30
6.95	0.37	0.04	0.10	9.55	0.63	0.16	0.30
7.00	0.38	0.04	0.10	9.60	0.64	0.16	0.31
7.05	0.38	0.04	0.11	9.65	0.65	0.17	0.32
7.10	0.38	0.04	0.11	9.70	0.65	0.17	0.33
7.15	0.39	0.04	0.11	9.75	0.66	0.18	0.34
7.20	0.39	0.04	0.11	9.80	0.67	0.18	0.35
7.25	0.40	0.05	0.12	9.85	0.68	0.18	0.36
7.30	0.40	0.05	0.12	9.90	0.69	0.19	0.37
7.35	0.40	0.05	0.12	9.95	0.69	0.19	0.38
7.40	0.41	0.05	0.13	10.00	0.70	0.20	0.40
7.45	0.41	0.05	0.13	10.05	0.71	0.20	0.41
7.50	0.42	0.05	0.13	10.10	0.72	0.21	0.42
7.55	0.42	0.05	0.14	10.15	0.73	0.22	0.43
7.60	0.43	0.06	0.14	10.20	0.74	0.22	0.44
7.65	0.43	0.06	0.14	10.25	0.75	0.23	0.45
7.70	0.43	0.06	0.15	10.30	0.76	0.23	0.47
7.75	0.44	0.06	0.15	10.35	0.76	0.24	0.48

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.25	0.49	13.00	2.93	2.09	3.49
10.45	0.78	0.25	0.50	13.05	2.94	2.11	3.18
10.50	0.79	0.26	0.51	13.10	2.96	2.12	2.91
10.55	0.80	0.26	0.53	13.15	2.97	2.13	2.68
10.60	0.82	0.27	0.54	13.20	2.98	2.15	2.48
10.65	0.83	0.28	0.55	13.25	3.00	2.16	2.30
10.70	0.84	0.29	0.57	13.30	3.01	2.17	2.15
10.75	0.85	0.30	0.59	13.35	3.02	2.18	2.00
10.80	0.87	0.31	0.61	13.40	3.03	2.19	1.88
10.85	0.88	0.32	0.63	13.45	3.05	2.20	1.76
10.90	0.89	0.33	0.66	13.50	3.06	2.21	1.66
10.95	0.91	0.34	0.69	13.55	3.07	2.22	1.57
11.00	0.92	0.35	0.72	13.60	3.08	2.23	1.48
11.05	0.94	0.36	0.75	13.65	3.09	2.24	1.41
11.10	0.96	0.37	0.79	13.70	3.09	2.25	1.33
11.15	0.98	0.39	0.83	13.75	3.10	2.26	1.26
11.20	1.00	0.40	0.87	13.80	3.11	2.27	1.20
11.25	1.02	0.42	0.92	13.85	3.12	2.28	1.15
11.30	1.04	0.43	0.97	13.90	3.13	2.29	1.09
11.35	1.06	0.45	1.03	13.95	3.14	2.29	1.05
11.40	1.09	0.47	1.09	14.00	3.15	2.30	1.01
11.45	1.11	0.49	1.15	14.05	3.16	2.31	0.98
11.50	1.14	0.51	1.22	14.10	3.16	2.32	0.95
11.55	1.18	0.54	1.30	14.15	3.17	2.32	0.93
11.60	1.22	0.57	1.38	14.20	3.18	2.33	0.90
11.65	1.26	0.60	1.47	14.25	3.19	2.34	0.88
11.70	1.30	0.63	1.58	14.30	3.20	2.35	0.86
11.75	1.35	0.68	1.72	14.35	3.20	2.35	0.84
11.80	1.41	0.73	1.89	14.40	3.21	2.36	0.83
11.85	1.49	0.79	2.08	14.45	3.22	2.37	0.81
11.90	1.57	0.86	2.32	14.50	3.23	2.37	0.80
11.95	1.70	0.97	2.60	14.55	3.23	2.38	0.78
12.00	1.83	1.09	2.96	14.60	3.24	2.39	0.77
12.05	2.06	1.29	3.42	14.65	3.25	2.39	0.75
12.10	2.28	1.49	4.05	14.70	3.25	2.40	0.74
12.15	2.36	1.57	4.89	14.75	3.26	2.41	0.72
12.20	2.44	1.64	5.92	14.80	3.26	2.41	0.71
12.25	2.50	1.69	7.07	14.85	3.27	2.42	0.70
12.30	2.55	1.74	8.16	14.90	3.28	2.42	0.68
12.35	2.59	1.78	9.01	14.95	3.28	2.43	0.67
12.40	2.63	1.82	9.44	15.00	3.29	2.43	0.65
12.45	2.67	1.85	**9.50**	15.05	3.29	2.44	0.64
12.50	2.71	1.89	9.22	15.10	3.30	2.44	0.63
12.55	2.74	1.91	8.67	15.15	3.30	2.45	0.61
12.60	2.76	1.94	7.98	15.20	3.31	2.45	0.60
12.65	2.79	1.96	7.22	15.25	3.31	2.46	0.59
12.70	2.81	1.98	6.47	15.30	3.32	2.46	0.57
12.75	2.83	2.00	5.82	15.35	3.32	2.47	0.56
12.80	2.85	2.02	5.23	15.40	3.33	2.47	0.55
12.85	2.87	2.04	4.71	15.45	3.34	2.48	0.54
12.90	2.89	2.06	4.25	15.50	3.34	2.48	0.53
12.95	2.91	2.08	3.84	15.55	3.35	2.49	0.52

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	2.49	0.52	18.20	3.56	2.69	0.32
15.65	3.36	2.50	0.51	18.25	3.56	2.69	0.31
15.70	3.36	2.50	0.50	18.30	3.56	2.70	0.31
15.75	3.36	2.51	0.50	18.35	3.57	2.70	0.31
15.80	3.37	2.51	0.49	18.40	3.57	2.70	0.31
15.85	3.37	2.52	0.49	18.45	3.57	2.71	0.30
15.90	3.38	2.52	0.49	18.50	3.58	2.71	0.30
15.95	3.38	2.53	0.48	18.55	3.58	2.71	0.30
16.00	3.39	2.53	0.48	18.60	3.58	2.71	0.30
16.05	3.39	2.53	0.47	18.65	3.58	2.72	0.29
16.10	3.40	2.54	0.47	18.70	3.59	2.72	0.29
16.15	3.40	2.54	0.47	18.75	3.59	2.72	0.29
16.20	3.41	2.55	0.46	18.80	3.59	2.73	0.29
16.25	3.41	2.55	0.46	18.85	3.60	2.73	0.29
16.30	3.42	2.56	0.45	18.90	3.60	2.73	0.29
16.35	3.42	2.56	0.45	18.95	3.60	2.73	0.29
16.40	3.42	2.56	0.45	19.00	3.61	2.74	0.29
16.45	3.43	2.57	0.44	19.05	3.61	2.74	0.28
16.50	3.43	2.57	0.44	19.10	3.61	2.74	0.28
16.55	3.44	2.58	0.44	19.15	3.61	2.75	0.28
16.60	3.44	2.58	0.43	19.20	3.62	2.75	0.28
16.65	3.45	2.59	0.43	19.25	3.62	2.75	0.28
16.70	3.45	2.59	0.43	19.30	3.62	2.75	0.28
16.75	3.45	2.59	0.42	19.35	3.63	2.76	0.28
16.80	3.46	2.60	0.42	19.40	3.63	2.76	0.28
16.85	3.46	2.60	0.41	19.45	3.63	2.76	0.28
16.90	3.47	2.60	0.41	19.50	3.63	2.76	0.28
16.95	3.47	2.61	0.41	19.55	3.64	2.77	0.28
17.00	3.47	2.61	0.40	19.60	3.64	2.77	0.27
17.05	3.48	2.62	0.40	19.65	3.64	2.77	0.27
17.10	3.48	2.62	0.40	19.70	3.65	2.78	0.27
17.15	3.49	2.62	0.39	19.75	3.65	2.78	0.27
17.20	3.49	2.63	0.39	19.80	3.65	2.78	0.27
17.25	3.49	2.63	0.39	19.85	3.65	2.78	0.27
17.30	3.50	2.63	0.38	19.90	3.66	2.79	0.27
17.35	3.50	2.64	0.38	19.95	3.66	2.79	0.27
17.40	3.50	2.64	0.38	20.00	3.66	2.79	0.27
17.45	3.51	2.64	0.37	20.05	3.66	2.79	0.27
17.50	3.51	2.65	0.37	20.10	3.67	2.80	0.27
17.55	3.52	2.65	0.36	20.15	3.67	2.80	0.27
17.60	3.52	2.65	0.36	20.20	3.67	2.80	0.26
17.65	3.52	2.66	0.36	20.25	3.68	2.80	0.26
17.70	3.53	2.66	0.35	20.30	3.68	2.81	0.26
17.75	3.53	2.66	0.35	20.35	3.68	2.81	0.26
17.80	3.53	2.67	0.35	20.40	3.68	2.81	0.26
17.85	3.54	2.67	0.34	20.45	3.69	2.81	0.26
17.90	3.54	2.67	0.34	20.50	3.69	2.82	0.26
17.95	3.54	2.68	0.34	20.55	3.69	2.82	0.26
18.00	3.54	2.68	0.33	20.60	3.69	2.82	0.26
18.05	3.55	2.68	0.33	20.65	3.70	2.82	0.26
18.10	3.55	2.69	0.33	20.70	3.70	2.83	0.25
18.15	3.55	2.69	0.32	20.75	3.70	2.83	0.25

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	2.83	0.25	23.40	3.82	2.95	0.21
20.85	3.71	2.83	0.25	23.45	3.83	2.95	0.21
20.90	3.71	2.84	0.25	23.50	3.83	2.95	0.20
20.95	3.71	2.84	0.25	23.55	3.83	2.95	0.20
21.00	3.71	2.84	0.25	23.60	3.83	2.96	0.20
21.05	3.72	2.84	0.25	23.65	3.84	2.96	0.20
21.10	3.72	2.85	0.25	23.70	3.84	2.96	0.20
21.15	3.72	2.85	0.25	23.75	3.84	2.96	0.20
21.20	3.72	2.85	0.25	23.80	3.84	2.96	0.20
21.25	3.73	2.85	0.25	23.85	3.84	2.97	0.20
21.30	3.73	2.86	0.24	23.90	3.85	2.97	0.20
21.35	3.73	2.86	0.24	23.95	3.85	2.97	0.20
21.40	3.73	2.86	0.24	24.00	**3.85**	**2.97**	0.20
21.45	3.74	2.86	0.24	24.05	3.85	2.97	0.20
21.50	3.74	2.87	0.24	24.10	3.85	2.97	0.19
21.55	3.74	2.87	0.24	24.15	3.85	2.97	0.19
21.60	3.74	2.87	0.24	24.20	3.85	2.97	0.19
21.65	3.75	2.87	0.24	24.25	3.85	2.97	0.18
21.70	3.75	2.88	0.24	24.30	3.85	2.97	0.16
21.75	3.75	2.88	0.24	24.35	3.85	2.97	0.14
21.80	3.75	2.88	0.24	24.40	3.85	2.97	0.12
21.85	3.76	2.88	0.23	24.45	3.85	2.97	0.10
21.90	3.76	2.88	0.23	24.50	3.85	2.97	0.08
21.95	3.76	2.89	0.23	24.55	3.85	2.97	0.07
22.00	3.76	2.89	0.23	24.60	3.85	2.97	0.05
22.05	3.77	2.89	0.23	24.65	3.85	2.97	0.04
22.10	3.77	2.89	0.23	24.70	3.85	2.97	0.03
22.15	3.77	2.90	0.23	24.75	3.85	2.97	0.03
22.20	3.77	2.90	0.23	24.80	3.85	2.97	0.02
22.25	3.77	2.90	0.23	24.85	3.85	2.97	0.02
22.30	3.78	2.90	0.23	24.90	3.85	2.97	0.01
22.35	3.78	2.90	0.23	24.95	3.85	2.97	0.01
22.40	3.78	2.91	0.22	25.00	3.85	2.97	0.01
22.45	3.78	2.91	0.22	25.05	3.85	2.97	0.01
22.50	3.79	2.91	0.22	25.10	3.85	2.97	0.00
22.55	3.79	2.91	0.22	25.15	3.85	2.97	0.00
22.60	3.79	2.92	0.22	25.20	3.85	2.97	0.00
22.65	3.79	2.92	0.22	25.25	3.85	2.97	0.00
22.70	3.79	2.92	0.22	25.30	3.85	2.97	0.00
22.75	3.80	2.92	0.22	25.35	3.85	2.97	0.00
22.80	3.80	2.92	0.22	25.40	3.85	2.97	0.00
22.85	3.80	2.93	0.22	25.45	3.85	2.97	0.00
22.90	3.80	2.93	0.22	25.50	3.85	2.97	0.00
22.95	3.81	2.93	0.21	25.55	3.85	2.97	0.00
23.00	3.81	2.93	0.21	25.60	3.85	2.97	0.00
23.05	3.81	2.93	0.21	25.65	3.85	2.97	0.00
23.10	3.81	2.94	0.21	25.70	3.85	2.97	0.00
23.15	3.81	2.94	0.21	25.75	3.85	2.97	0.00
23.20	3.82	2.94	0.21	25.80	3.85	2.97	0.00
23.25	3.82	2.94	0.21	25.85	3.85	2.97	0.00
23.30	3.82	2.94	0.21	25.90	3.85	2.97	0.00
23.35	3.82	2.95	0.21	25.95	3.85	2.97	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	2.97	0.00	28.60	3.85	2.97	0.00
26.05	3.85	2.97	0.00	28.65	3.85	2.97	0.00
26.10	3.85	2.97	0.00	28.70	3.85	2.97	0.00
26.15	3.85	2.97	0.00	28.75	3.85	2.97	0.00
26.20	3.85	2.97	0.00	28.80	3.85	2.97	0.00
26.25	3.85	2.97	0.00	28.85	3.85	2.97	0.00
26.30	3.85	2.97	0.00	28.90	3.85	2.97	0.00
26.35	3.85	2.97	0.00	28.95	3.85	2.97	0.00
26.40	3.85	2.97	0.00	29.00	3.85	2.97	0.00
26.45	3.85	2.97	0.00	29.05	3.85	2.97	0.00
26.50	3.85	2.97	0.00	29.10	3.85	2.97	0.00
26.55	3.85	2.97	0.00	29.15	3.85	2.97	0.00
26.60	3.85	2.97	0.00	29.20	3.85	2.97	0.00
26.65	3.85	2.97	0.00	29.25	3.85	2.97	0.00
26.70	3.85	2.97	0.00	29.30	3.85	2.97	0.00
26.75	3.85	2.97	0.00	29.35	3.85	2.97	0.00
26.80	3.85	2.97	0.00	29.40	3.85	2.97	0.00
26.85	3.85	2.97	0.00	29.45	3.85	2.97	0.00
26.90	3.85	2.97	0.00	29.50	3.85	2.97	0.00
26.95	3.85	2.97	0.00	29.55	3.85	2.97	0.00
27.00	3.85	2.97	0.00	29.60	3.85	2.97	0.00
27.05	3.85	2.97	0.00	29.65	3.85	2.97	0.00
27.10	3.85	2.97	0.00	29.70	3.85	2.97	0.00
27.15	3.85	2.97	0.00	29.75	3.85	2.97	0.00
27.20	3.85	2.97	0.00	29.80	3.85	2.97	0.00
27.25	3.85	2.97	0.00	29.85	3.85	2.97	0.00
27.30	3.85	2.97	0.00	29.90	3.85	2.97	0.00
27.35	3.85	2.97	0.00	29.95	3.85	2.97	0.00
27.40	3.85	2.97	0.00	30.00	3.85	2.97	0.00
27.45	3.85	2.97	0.00	30.05	3.85	2.97	0.00
27.50	3.85	2.97	0.00	30.10	3.85	2.97	0.00
27.55	3.85	2.97	0.00	30.15	3.85	2.97	0.00
27.60	3.85	2.97	0.00	30.20	3.85	2.97	0.00
27.65	3.85	2.97	0.00	30.25	3.85	2.97	0.00
27.70	3.85	2.97	0.00	30.30	3.85	2.97	0.00
27.75	3.85	2.97	0.00	30.35	3.85	2.97	0.00
27.80	3.85	2.97	0.00	30.40	3.85	2.97	0.00
27.85	3.85	2.97	0.00	30.45	3.85	2.97	0.00
27.90	3.85	2.97	0.00	30.50	3.85	2.97	0.00
27.95	3.85	2.97	0.00	30.55	3.85	2.97	0.00
28.00	3.85	2.97	0.00	30.60	3.85	2.97	0.00
28.05	3.85	2.97	0.00	30.65	3.85	2.97	0.00
28.10	3.85	2.97	0.00	30.70	3.85	2.97	0.00
28.15	3.85	2.97	0.00	30.75	3.85	2.97	0.00
28.20	3.85	2.97	0.00	30.80	3.85	2.97	0.00
28.25	3.85	2.97	0.00	30.85	3.85	2.97	0.00
28.30	3.85	2.97	0.00	30.90	3.85	2.97	0.00
28.35	3.85	2.97	0.00	30.95	3.85	2.97	0.00
28.40	3.85	2.97	0.00	31.00	3.85	2.97	0.00
28.45	3.85	2.97	0.00	31.05	3.85	2.97	0.00
28.50	3.85	2.97	0.00	31.10	3.85	2.97	0.00
28.55	3.85	2.97	0.00	31.15	3.85	2.97	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	2.97	0.00	33.80	3.85	2.97	0.00
31.25	3.85	2.97	0.00	33.85	3.85	2.97	0.00
31.30	3.85	2.97	0.00	33.90	3.85	2.97	0.00
31.35	3.85	2.97	0.00	33.95	3.85	2.97	0.00
31.40	3.85	2.97	0.00	34.00	3.85	2.97	0.00
31.45	3.85	2.97	0.00	34.05	3.85	2.97	0.00
31.50	3.85	2.97	0.00	34.10	3.85	2.97	0.00
31.55	3.85	2.97	0.00	34.15	3.85	2.97	0.00
31.60	3.85	2.97	0.00	34.20	3.85	2.97	0.00
31.65	3.85	2.97	0.00	34.25	3.85	2.97	0.00
31.70	3.85	2.97	0.00	34.30	3.85	2.97	0.00
31.75	3.85	2.97	0.00	34.35	3.85	2.97	0.00
31.80	3.85	2.97	0.00	34.40	3.85	2.97	0.00
31.85	3.85	2.97	0.00	34.45	3.85	2.97	0.00
31.90	3.85	2.97	0.00	34.50	3.85	2.97	0.00
31.95	3.85	2.97	0.00	34.55	3.85	2.97	0.00
32.00	3.85	2.97	0.00	34.60	3.85	2.97	0.00
32.05	3.85	2.97	0.00	34.65	3.85	2.97	0.00
32.10	3.85	2.97	0.00	34.70	3.85	2.97	0.00
32.15	3.85	2.97	0.00	34.75	3.85	2.97	0.00
32.20	3.85	2.97	0.00	34.80	3.85	2.97	0.00
32.25	3.85	2.97	0.00	34.85	3.85	2.97	0.00
32.30	3.85	2.97	0.00	34.90	3.85	2.97	0.00
32.35	3.85	2.97	0.00	34.95	3.85	2.97	0.00
32.40	3.85	2.97	0.00	35.00	3.85	2.97	0.00
32.45	3.85	2.97	0.00	35.05	3.85	2.97	0.00
32.50	3.85	2.97	0.00	35.10	3.85	2.97	0.00
32.55	3.85	2.97	0.00	35.15	3.85	2.97	0.00
32.60	3.85	2.97	0.00	35.20	3.85	2.97	0.00
32.65	3.85	2.97	0.00	35.25	3.85	2.97	0.00
32.70	3.85	2.97	0.00	35.30	3.85	2.97	0.00
32.75	3.85	2.97	0.00	35.35	3.85	2.97	0.00
32.80	3.85	2.97	0.00	35.40	3.85	2.97	0.00
32.85	3.85	2.97	0.00	35.45	3.85	2.97	0.00
32.90	3.85	2.97	0.00	35.50	3.85	2.97	0.00
32.95	3.85	2.97	0.00	35.55	3.85	2.97	0.00
33.00	3.85	2.97	0.00	35.60	3.85	2.97	0.00
33.05	3.85	2.97	0.00	35.65	3.85	2.97	0.00
33.10	3.85	2.97	0.00	35.70	3.85	2.97	0.00
33.15	3.85	2.97	0.00	35.75	3.85	2.97	0.00
33.20	3.85	2.97	0.00	35.80	3.85	2.97	0.00
33.25	3.85	2.97	0.00	35.85	3.85	2.97	0.00
33.30	3.85	2.97	0.00	35.90	3.85	2.97	0.00
33.35	3.85	2.97	0.00	35.95	3.85	2.97	0.00
33.40	3.85	2.97	0.00	36.00	3.85	2.97	0.00
33.45	3.85	2.97	0.00	36.05	3.85	2.97	0.00
33.50	3.85	2.97	0.00	36.10	3.85	2.97	0.00
33.55	3.85	2.97	0.00	36.15	3.85	2.97	0.00
33.60	3.85	2.97	0.00	36.20	3.85	2.97	0.00
33.65	3.85	2.97	0.00	36.25	3.85	2.97	0.00
33.70	3.85	2.97	0.00	36.30	3.85	2.97	0.00
33.75	3.85	2.97	0.00	36.35	3.85	2.97	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	2.97	0.00
36.45	3.85	2.97	0.00
36.50	3.85	2.97	0.00
36.55	3.85	2.97	0.00
36.60	3.85	2.97	0.00
36.65	3.85	2.97	0.00
36.70	3.85	2.97	0.00
36.75	3.85	2.97	0.00
36.80	3.85	2.97	0.00
36.85	3.85	2.97	0.00
36.90	3.85	2.97	0.00
36.95	3.85	2.97	0.00
37.00	3.85	2.97	0.00
37.05	3.85	2.97	0.00
37.10	3.85	2.97	0.00
37.15	3.85	2.97	0.00
37.20	3.85	2.97	0.00
37.25	3.85	2.97	0.00
37.30	3.85	2.97	0.00
37.35	3.85	2.97	0.00
37.40	3.85	2.97	0.00
37.45	3.85	2.97	0.00
37.50	3.85	2.97	0.00
37.55	3.85	2.97	0.00
37.60	3.85	2.97	0.00
37.65	3.85	2.97	0.00
37.70	3.85	2.97	0.00
37.75	3.85	2.97	0.00
37.80	3.85	2.97	0.00
37.85	3.85	2.97	0.00
37.90	3.85	2.97	0.00
37.95	3.85	2.97	0.00
38.00	3.85	2.97	0.00
38.05	3.85	2.97	0.00
38.10	3.85	2.97	0.00
38.15	3.85	2.97	0.00
38.20	3.85	2.97	0.00
38.25	3.85	2.97	0.00
38.30	3.85	2.97	0.00
38.35	3.85	2.97	0.00
38.40	3.85	2.97	0.00
38.45	3.85	2.97	0.00
38.50	3.85	2.97	0.00
38.55	3.85	2.97	0.00
38.60	3.85	2.97	0.00
38.65	3.85	2.97	0.00
38.70	3.85	2.97	0.00
38.75	3.85	2.97	0.00
38.80	3.85	2.97	0.00
38.85	3.85	2.97	0.00
38.90	3.85	2.97	0.00
38.95	3.85	2.97	0.00
39.00	3.85	2.97	0.00
39.05	3.85	2.97	0.00
39.10	3.85	2.97	0.00
39.15	3.85	2.97	0.00
39.20	3.85	2.97	0.00
39.25	3.85	2.97	0.00
39.30	3.85	2.97	0.00
39.35	3.85	2.97	0.00
39.40	3.85	2.97	0.00
39.45	3.85	2.97	0.00
39.50	3.85	2.97	0.00
39.55	3.85	2.97	0.00
39.60	3.85	2.97	0.00
39.65	3.85	2.97	0.00
39.70	3.85	2.97	0.00
39.75	3.85	2.97	0.00
39.80	3.85	2.97	0.00
39.85	3.85	2.97	0.00
39.90	3.85	2.97	0.00
39.95	3.85	2.97	0.00
40.00	3.85	2.97	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

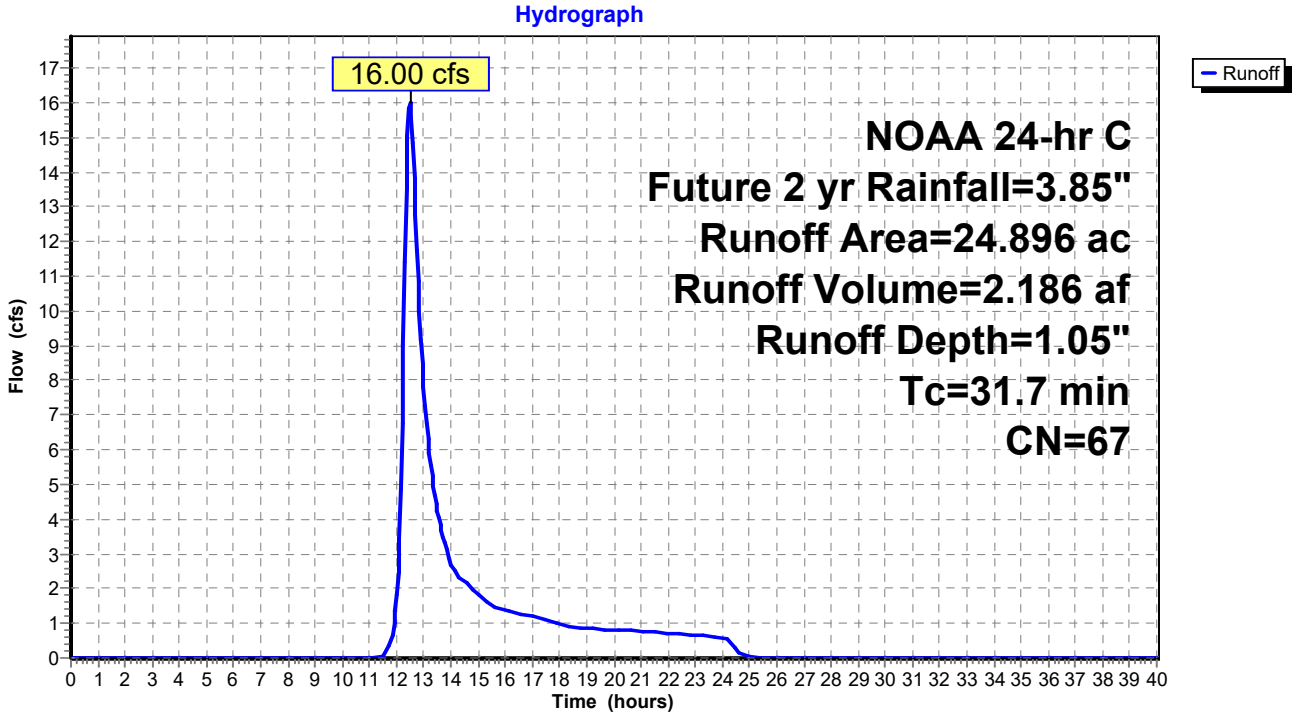
Runoff = 16.00 cfs @ 12.49 hrs, Volume= 2.186 af, Depth= 1.05"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.55	7.82
10.45	0.78	0.00	0.00	13.05	2.94	0.56	7.25
10.50	0.79	0.00	0.00	13.10	2.96	0.56	6.75
10.55	0.80	0.00	0.00	13.15	2.97	0.57	6.31
10.60	0.82	0.00	0.00	13.20	2.98	0.58	5.92
10.65	0.83	0.00	0.00	13.25	3.00	0.58	5.57
10.70	0.84	0.00	0.00	13.30	3.01	0.59	5.25
10.75	0.85	0.00	0.00	13.35	3.02	0.60	4.96
10.80	0.87	0.00	0.00	13.40	3.03	0.60	4.69
10.85	0.88	0.00	0.00	13.45	3.05	0.61	4.45
10.90	0.89	0.00	0.00	13.50	3.06	0.61	4.23
10.95	0.91	0.00	0.00	13.55	3.07	0.62	4.03
11.00	0.92	0.00	0.00	13.60	3.08	0.62	3.84
11.05	0.94	0.00	0.00	13.65	3.09	0.63	3.66
11.10	0.96	0.00	0.00	13.70	3.09	0.63	3.49
11.15	0.98	0.00	0.00	13.75	3.10	0.64	3.33
11.20	1.00	0.00	0.00	13.80	3.11	0.64	3.18
11.25	1.02	0.00	0.00	13.85	3.12	0.65	3.05
11.30	1.04	0.00	0.00	13.90	3.13	0.65	2.93
11.35	1.06	0.00	0.00	13.95	3.14	0.66	2.82
11.40	1.09	0.00	0.01	14.00	3.15	0.66	2.73
11.45	1.11	0.00	0.02	14.05	3.16	0.66	2.65
11.50	1.14	0.00	0.04	14.10	3.16	0.67	2.58
11.55	1.18	0.01	0.07	14.15	3.17	0.67	2.51
11.60	1.22	0.01	0.12	14.20	3.18	0.68	2.46
11.65	1.26	0.01	0.19	14.25	3.19	0.68	2.41
11.70	1.30	0.02	0.27	14.30	3.20	0.68	2.36
11.75	1.35	0.03	0.39	14.35	3.20	0.69	2.32
11.80	1.41	0.03	0.55	14.40	3.21	0.69	2.28
11.85	1.49	0.05	0.75	14.45	3.22	0.70	2.24
11.90	1.57	0.06	1.00	14.50	3.23	0.70	2.20
11.95	1.70	0.09	1.34	14.55	3.23	0.70	2.16
12.00	1.83	0.13	1.80	14.60	3.24	0.71	2.12
12.05	2.06	0.19	2.46	14.65	3.25	0.71	2.09
12.10	2.28	0.27	3.44	14.70	3.25	0.71	2.05
12.15	2.36	0.30	4.86	14.75	3.26	0.72	2.02
12.20	2.44	0.33	6.76	14.80	3.26	0.72	1.98
12.25	2.50	0.35	9.04	14.85	3.27	0.72	1.95
12.30	2.55	0.38	11.42	14.90	3.28	0.73	1.91
12.35	2.59	0.40	13.54	14.95	3.28	0.73	1.88
12.40	2.63	0.41	15.02	15.00	3.29	0.73	1.84
12.45	2.67	0.43	15.83	15.05	3.29	0.74	1.81
12.50	2.71	0.45	**15.99**	15.10	3.30	0.74	1.77
12.55	2.74	0.46	15.60	15.15	3.30	0.74	1.73
12.60	2.76	0.47	14.84	15.20	3.31	0.75	1.70
12.65	2.79	0.48	13.85	15.25	3.31	0.75	1.66
12.70	2.81	0.49	12.77	15.30	3.32	0.75	1.63
12.75	2.83	0.50	11.77	15.35	3.32	0.75	1.60
12.80	2.85	0.51	10.84	15.40	3.33	0.76	1.57
12.85	2.87	0.52	9.98	15.45	3.34	0.76	1.54
12.90	2.89	0.53	9.18	15.50	3.34	0.76	1.52
12.95	2.91	0.54	8.46	15.55	3.35	0.76	1.50

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.77	1.48	18.20	3.56	0.88	0.95
15.65	3.36	0.77	1.46	18.25	3.56	0.88	0.94
15.70	3.36	0.77	1.45	18.30	3.56	0.89	0.93
15.75	3.36	0.78	1.44	18.35	3.57	0.89	0.92
15.80	3.37	0.78	1.42	18.40	3.57	0.89	0.92
15.85	3.37	0.78	1.41	18.45	3.57	0.89	0.91
15.90	3.38	0.78	1.40	18.50	3.58	0.89	0.90
15.95	3.38	0.79	1.39	18.55	3.58	0.89	0.90
16.00	3.39	0.79	1.38	18.60	3.58	0.90	0.89
16.05	3.39	0.79	1.37	18.65	3.58	0.90	0.89
16.10	3.40	0.79	1.36	18.70	3.59	0.90	0.88
16.15	3.40	0.80	1.35	18.75	3.59	0.90	0.88
16.20	3.41	0.80	1.34	18.80	3.59	0.90	0.88
16.25	3.41	0.80	1.33	18.85	3.60	0.90	0.87
16.30	3.42	0.80	1.32	18.90	3.60	0.91	0.87
16.35	3.42	0.81	1.31	18.95	3.60	0.91	0.87
16.40	3.42	0.81	1.30	19.00	3.61	0.91	0.86
16.45	3.43	0.81	1.29	19.05	3.61	0.91	0.86
16.50	3.43	0.81	1.28	19.10	3.61	0.91	0.86
16.55	3.44	0.82	1.27	19.15	3.61	0.91	0.86
16.60	3.44	0.82	1.27	19.20	3.62	0.92	0.85
16.65	3.45	0.82	1.26	19.25	3.62	0.92	0.85
16.70	3.45	0.82	1.25	19.30	3.62	0.92	0.85
16.75	3.45	0.82	1.24	19.35	3.63	0.92	0.85
16.80	3.46	0.83	1.23	19.40	3.63	0.92	0.84
16.85	3.46	0.83	1.22	19.45	3.63	0.92	0.84
16.90	3.47	0.83	1.21	19.50	3.63	0.93	0.84
16.95	3.47	0.83	1.20	19.55	3.64	0.93	0.84
17.00	3.47	0.84	1.19	19.60	3.64	0.93	0.84
17.05	3.48	0.84	1.18	19.65	3.64	0.93	0.83
17.10	3.48	0.84	1.17	19.70	3.65	0.93	0.83
17.15	3.49	0.84	1.16	19.75	3.65	0.93	0.83
17.20	3.49	0.84	1.15	19.80	3.65	0.94	0.83
17.25	3.49	0.85	1.14	19.85	3.65	0.94	0.82
17.30	3.50	0.85	1.13	19.90	3.66	0.94	0.82
17.35	3.50	0.85	1.12	19.95	3.66	0.94	0.82
17.40	3.50	0.85	1.11	20.00	3.66	0.94	0.82
17.45	3.51	0.85	1.10	20.05	3.66	0.94	0.82
17.50	3.51	0.86	1.09	20.10	3.67	0.95	0.81
17.55	3.52	0.86	1.08	20.15	3.67	0.95	0.81
17.60	3.52	0.86	1.07	20.20	3.67	0.95	0.81
17.65	3.52	0.86	1.06	20.25	3.68	0.95	0.81
17.70	3.53	0.86	1.05	20.30	3.68	0.95	0.80
17.75	3.53	0.87	1.04	20.35	3.68	0.95	0.80
17.80	3.53	0.87	1.03	20.40	3.68	0.95	0.80
17.85	3.54	0.87	1.02	20.45	3.69	0.96	0.80
17.90	3.54	0.87	1.01	20.50	3.69	0.96	0.79
17.95	3.54	0.87	1.00	20.55	3.69	0.96	0.79
18.00	3.54	0.88	0.99	20.60	3.69	0.96	0.79
18.05	3.55	0.88	0.98	20.65	3.70	0.96	0.79
18.10	3.55	0.88	0.97	20.70	3.70	0.96	0.78
18.15	3.55	0.88	0.96	20.75	3.70	0.97	0.78

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.97	0.78	23.40	3.82	1.04	0.65
20.85	3.71	0.97	0.78	23.45	3.83	1.04	0.65
20.90	3.71	0.97	0.77	23.50	3.83	1.04	0.64
20.95	3.71	0.97	0.77	23.55	3.83	1.04	0.64
21.00	3.71	0.97	0.77	23.60	3.83	1.04	0.64
21.05	3.72	0.97	0.77	23.65	3.84	1.04	0.64
21.10	3.72	0.98	0.76	23.70	3.84	1.05	0.63
21.15	3.72	0.98	0.76	23.75	3.84	1.05	0.63
21.20	3.72	0.98	0.76	23.80	3.84	1.05	0.63
21.25	3.73	0.98	0.76	23.85	3.84	1.05	0.62
21.30	3.73	0.98	0.75	23.90	3.85	1.05	0.62
21.35	3.73	0.98	0.75	23.95	3.85	1.05	0.62
21.40	3.73	0.98	0.75	24.00	**3.85**	**1.05**	0.62
21.45	3.74	0.99	0.75	24.05	3.85	1.05	0.62
21.50	3.74	0.99	0.75	24.10	3.85	1.05	0.61
21.55	3.74	0.99	0.74	24.15	3.85	1.05	0.61
21.60	3.74	0.99	0.74	24.20	3.85	1.05	0.59
21.65	3.75	0.99	0.74	24.25	3.85	1.05	0.56
21.70	3.75	0.99	0.74	24.30	3.85	1.05	0.51
21.75	3.75	0.99	0.73	24.35	3.85	1.05	0.46
21.80	3.75	1.00	0.73	24.40	3.85	1.05	0.39
21.85	3.76	1.00	0.73	24.45	3.85	1.05	0.33
21.90	3.76	1.00	0.72	24.50	3.85	1.05	0.26
21.95	3.76	1.00	0.72	24.55	3.85	1.05	0.21
22.00	3.76	1.00	0.72	24.60	3.85	1.05	0.16
22.05	3.77	1.00	0.72	24.65	3.85	1.05	0.13
22.10	3.77	1.00	0.72	24.70	3.85	1.05	0.10
22.15	3.77	1.01	0.71	24.75	3.85	1.05	0.08
22.20	3.77	1.01	0.71	24.80	3.85	1.05	0.06
22.25	3.77	1.01	0.71	24.85	3.85	1.05	0.05
22.30	3.78	1.01	0.71	24.90	3.85	1.05	0.04
22.35	3.78	1.01	0.70	24.95	3.85	1.05	0.03
22.40	3.78	1.01	0.70	25.00	3.85	1.05	0.03
22.45	3.78	1.01	0.70	25.05	3.85	1.05	0.02
22.50	3.79	1.02	0.70	25.10	3.85	1.05	0.02
22.55	3.79	1.02	0.69	25.15	3.85	1.05	0.01
22.60	3.79	1.02	0.69	25.20	3.85	1.05	0.01
22.65	3.79	1.02	0.69	25.25	3.85	1.05	0.01
22.70	3.79	1.02	0.68	25.30	3.85	1.05	0.01
22.75	3.80	1.02	0.68	25.35	3.85	1.05	0.00
22.80	3.80	1.02	0.68	25.40	3.85	1.05	0.00
22.85	3.80	1.02	0.68	25.45	3.85	1.05	0.00
22.90	3.80	1.03	0.67	25.50	3.85	1.05	0.00
22.95	3.81	1.03	0.67	25.55	3.85	1.05	0.00
23.00	3.81	1.03	0.67	25.60	3.85	1.05	0.00
23.05	3.81	1.03	0.67	25.65	3.85	1.05	0.00
23.10	3.81	1.03	0.66	25.70	3.85	1.05	0.00
23.15	3.81	1.03	0.66	25.75	3.85	1.05	0.00
23.20	3.82	1.03	0.66	25.80	3.85	1.05	0.00
23.25	3.82	1.03	0.66	25.85	3.85	1.05	0.00
23.30	3.82	1.04	0.65	25.90	3.85	1.05	0.00
23.35	3.82	1.04	0.65	25.95	3.85	1.05	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.05	0.00	28.60	3.85	1.05	0.00
26.05	3.85	1.05	0.00	28.65	3.85	1.05	0.00
26.10	3.85	1.05	0.00	28.70	3.85	1.05	0.00
26.15	3.85	1.05	0.00	28.75	3.85	1.05	0.00
26.20	3.85	1.05	0.00	28.80	3.85	1.05	0.00
26.25	3.85	1.05	0.00	28.85	3.85	1.05	0.00
26.30	3.85	1.05	0.00	28.90	3.85	1.05	0.00
26.35	3.85	1.05	0.00	28.95	3.85	1.05	0.00
26.40	3.85	1.05	0.00	29.00	3.85	1.05	0.00
26.45	3.85	1.05	0.00	29.05	3.85	1.05	0.00
26.50	3.85	1.05	0.00	29.10	3.85	1.05	0.00
26.55	3.85	1.05	0.00	29.15	3.85	1.05	0.00
26.60	3.85	1.05	0.00	29.20	3.85	1.05	0.00
26.65	3.85	1.05	0.00	29.25	3.85	1.05	0.00
26.70	3.85	1.05	0.00	29.30	3.85	1.05	0.00
26.75	3.85	1.05	0.00	29.35	3.85	1.05	0.00
26.80	3.85	1.05	0.00	29.40	3.85	1.05	0.00
26.85	3.85	1.05	0.00	29.45	3.85	1.05	0.00
26.90	3.85	1.05	0.00	29.50	3.85	1.05	0.00
26.95	3.85	1.05	0.00	29.55	3.85	1.05	0.00
27.00	3.85	1.05	0.00	29.60	3.85	1.05	0.00
27.05	3.85	1.05	0.00	29.65	3.85	1.05	0.00
27.10	3.85	1.05	0.00	29.70	3.85	1.05	0.00
27.15	3.85	1.05	0.00	29.75	3.85	1.05	0.00
27.20	3.85	1.05	0.00	29.80	3.85	1.05	0.00
27.25	3.85	1.05	0.00	29.85	3.85	1.05	0.00
27.30	3.85	1.05	0.00	29.90	3.85	1.05	0.00
27.35	3.85	1.05	0.00	29.95	3.85	1.05	0.00
27.40	3.85	1.05	0.00	30.00	3.85	1.05	0.00
27.45	3.85	1.05	0.00	30.05	3.85	1.05	0.00
27.50	3.85	1.05	0.00	30.10	3.85	1.05	0.00
27.55	3.85	1.05	0.00	30.15	3.85	1.05	0.00
27.60	3.85	1.05	0.00	30.20	3.85	1.05	0.00
27.65	3.85	1.05	0.00	30.25	3.85	1.05	0.00
27.70	3.85	1.05	0.00	30.30	3.85	1.05	0.00
27.75	3.85	1.05	0.00	30.35	3.85	1.05	0.00
27.80	3.85	1.05	0.00	30.40	3.85	1.05	0.00
27.85	3.85	1.05	0.00	30.45	3.85	1.05	0.00
27.90	3.85	1.05	0.00	30.50	3.85	1.05	0.00
27.95	3.85	1.05	0.00	30.55	3.85	1.05	0.00
28.00	3.85	1.05	0.00	30.60	3.85	1.05	0.00
28.05	3.85	1.05	0.00	30.65	3.85	1.05	0.00
28.10	3.85	1.05	0.00	30.70	3.85	1.05	0.00
28.15	3.85	1.05	0.00	30.75	3.85	1.05	0.00
28.20	3.85	1.05	0.00	30.80	3.85	1.05	0.00
28.25	3.85	1.05	0.00	30.85	3.85	1.05	0.00
28.30	3.85	1.05	0.00	30.90	3.85	1.05	0.00
28.35	3.85	1.05	0.00	30.95	3.85	1.05	0.00
28.40	3.85	1.05	0.00	31.00	3.85	1.05	0.00
28.45	3.85	1.05	0.00	31.05	3.85	1.05	0.00
28.50	3.85	1.05	0.00	31.10	3.85	1.05	0.00
28.55	3.85	1.05	0.00	31.15	3.85	1.05	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.05	0.00	33.80	3.85	1.05	0.00
31.25	3.85	1.05	0.00	33.85	3.85	1.05	0.00
31.30	3.85	1.05	0.00	33.90	3.85	1.05	0.00
31.35	3.85	1.05	0.00	33.95	3.85	1.05	0.00
31.40	3.85	1.05	0.00	34.00	3.85	1.05	0.00
31.45	3.85	1.05	0.00	34.05	3.85	1.05	0.00
31.50	3.85	1.05	0.00	34.10	3.85	1.05	0.00
31.55	3.85	1.05	0.00	34.15	3.85	1.05	0.00
31.60	3.85	1.05	0.00	34.20	3.85	1.05	0.00
31.65	3.85	1.05	0.00	34.25	3.85	1.05	0.00
31.70	3.85	1.05	0.00	34.30	3.85	1.05	0.00
31.75	3.85	1.05	0.00	34.35	3.85	1.05	0.00
31.80	3.85	1.05	0.00	34.40	3.85	1.05	0.00
31.85	3.85	1.05	0.00	34.45	3.85	1.05	0.00
31.90	3.85	1.05	0.00	34.50	3.85	1.05	0.00
31.95	3.85	1.05	0.00	34.55	3.85	1.05	0.00
32.00	3.85	1.05	0.00	34.60	3.85	1.05	0.00
32.05	3.85	1.05	0.00	34.65	3.85	1.05	0.00
32.10	3.85	1.05	0.00	34.70	3.85	1.05	0.00
32.15	3.85	1.05	0.00	34.75	3.85	1.05	0.00
32.20	3.85	1.05	0.00	34.80	3.85	1.05	0.00
32.25	3.85	1.05	0.00	34.85	3.85	1.05	0.00
32.30	3.85	1.05	0.00	34.90	3.85	1.05	0.00
32.35	3.85	1.05	0.00	34.95	3.85	1.05	0.00
32.40	3.85	1.05	0.00	35.00	3.85	1.05	0.00
32.45	3.85	1.05	0.00	35.05	3.85	1.05	0.00
32.50	3.85	1.05	0.00	35.10	3.85	1.05	0.00
32.55	3.85	1.05	0.00	35.15	3.85	1.05	0.00
32.60	3.85	1.05	0.00	35.20	3.85	1.05	0.00
32.65	3.85	1.05	0.00	35.25	3.85	1.05	0.00
32.70	3.85	1.05	0.00	35.30	3.85	1.05	0.00
32.75	3.85	1.05	0.00	35.35	3.85	1.05	0.00
32.80	3.85	1.05	0.00	35.40	3.85	1.05	0.00
32.85	3.85	1.05	0.00	35.45	3.85	1.05	0.00
32.90	3.85	1.05	0.00	35.50	3.85	1.05	0.00
32.95	3.85	1.05	0.00	35.55	3.85	1.05	0.00
33.00	3.85	1.05	0.00	35.60	3.85	1.05	0.00
33.05	3.85	1.05	0.00	35.65	3.85	1.05	0.00
33.10	3.85	1.05	0.00	35.70	3.85	1.05	0.00
33.15	3.85	1.05	0.00	35.75	3.85	1.05	0.00
33.20	3.85	1.05	0.00	35.80	3.85	1.05	0.00
33.25	3.85	1.05	0.00	35.85	3.85	1.05	0.00
33.30	3.85	1.05	0.00	35.90	3.85	1.05	0.00
33.35	3.85	1.05	0.00	35.95	3.85	1.05	0.00
33.40	3.85	1.05	0.00	36.00	3.85	1.05	0.00
33.45	3.85	1.05	0.00	36.05	3.85	1.05	0.00
33.50	3.85	1.05	0.00	36.10	3.85	1.05	0.00
33.55	3.85	1.05	0.00	36.15	3.85	1.05	0.00
33.60	3.85	1.05	0.00	36.20	3.85	1.05	0.00
33.65	3.85	1.05	0.00	36.25	3.85	1.05	0.00
33.70	3.85	1.05	0.00	36.30	3.85	1.05	0.00
33.75	3.85	1.05	0.00	36.35	3.85	1.05	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.05	0.00
36.45	3.85	1.05	0.00
36.50	3.85	1.05	0.00
36.55	3.85	1.05	0.00
36.60	3.85	1.05	0.00
36.65	3.85	1.05	0.00
36.70	3.85	1.05	0.00
36.75	3.85	1.05	0.00
36.80	3.85	1.05	0.00
36.85	3.85	1.05	0.00
36.90	3.85	1.05	0.00
36.95	3.85	1.05	0.00
37.00	3.85	1.05	0.00
37.05	3.85	1.05	0.00
37.10	3.85	1.05	0.00
37.15	3.85	1.05	0.00
37.20	3.85	1.05	0.00
37.25	3.85	1.05	0.00
37.30	3.85	1.05	0.00
37.35	3.85	1.05	0.00
37.40	3.85	1.05	0.00
37.45	3.85	1.05	0.00
37.50	3.85	1.05	0.00
37.55	3.85	1.05	0.00
37.60	3.85	1.05	0.00
37.65	3.85	1.05	0.00
37.70	3.85	1.05	0.00
37.75	3.85	1.05	0.00
37.80	3.85	1.05	0.00
37.85	3.85	1.05	0.00
37.90	3.85	1.05	0.00
37.95	3.85	1.05	0.00
38.00	3.85	1.05	0.00
38.05	3.85	1.05	0.00
38.10	3.85	1.05	0.00
38.15	3.85	1.05	0.00
38.20	3.85	1.05	0.00
38.25	3.85	1.05	0.00
38.30	3.85	1.05	0.00
38.35	3.85	1.05	0.00
38.40	3.85	1.05	0.00
38.45	3.85	1.05	0.00
38.50	3.85	1.05	0.00
38.55	3.85	1.05	0.00
38.60	3.85	1.05	0.00
38.65	3.85	1.05	0.00
38.70	3.85	1.05	0.00
38.75	3.85	1.05	0.00
38.80	3.85	1.05	0.00
38.85	3.85	1.05	0.00
38.90	3.85	1.05	0.00
38.95	3.85	1.05	0.00
39.00	3.85	1.05	0.00
39.05	3.85	1.05	0.00
39.10	3.85	1.05	0.00
39.15	3.85	1.05	0.00
39.20	3.85	1.05	0.00
39.25	3.85	1.05	0.00
39.30	3.85	1.05	0.00
39.35	3.85	1.05	0.00
39.40	3.85	1.05	0.00
39.45	3.85	1.05	0.00
39.50	3.85	1.05	0.00
39.55	3.85	1.05	0.00
39.60	3.85	1.05	0.00
39.65	3.85	1.05	0.00
39.70	3.85	1.05	0.00
39.75	3.85	1.05	0.00
39.80	3.85	1.05	0.00
39.85	3.85	1.05	0.00
39.90	3.85	1.05	0.00
39.95	3.85	1.05	0.00
40.00	3.85	1.05	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

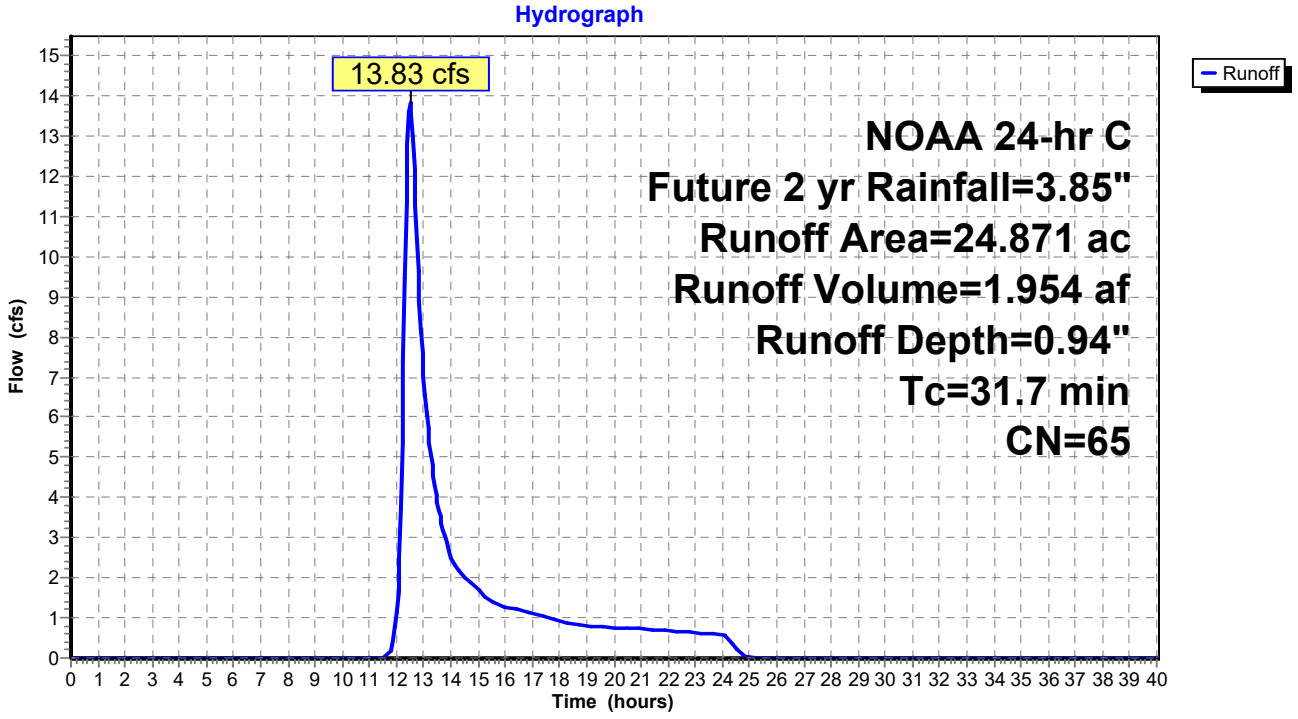
Runoff = 13.83 cfs @ 12.50 hrs, Volume= 1.954 af, Depth= 0.94"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.47	7.04
10.45	0.78	0.00	0.00	13.05	2.94	0.48	6.54
10.50	0.79	0.00	0.00	13.10	2.96	0.49	6.10
10.55	0.80	0.00	0.00	13.15	2.97	0.49	5.72
10.60	0.82	0.00	0.00	13.20	2.98	0.50	5.38
10.65	0.83	0.00	0.00	13.25	3.00	0.51	5.06
10.70	0.84	0.00	0.00	13.30	3.01	0.51	4.78
10.75	0.85	0.00	0.00	13.35	3.02	0.52	4.52
10.80	0.87	0.00	0.00	13.40	3.03	0.52	4.28
10.85	0.88	0.00	0.00	13.45	3.05	0.53	4.06
10.90	0.89	0.00	0.00	13.50	3.06	0.53	3.87
10.95	0.91	0.00	0.00	13.55	3.07	0.54	3.69
11.00	0.92	0.00	0.00	13.60	3.08	0.54	3.52
11.05	0.94	0.00	0.00	13.65	3.09	0.55	3.36
11.10	0.96	0.00	0.00	13.70	3.09	0.55	3.21
11.15	0.98	0.00	0.00	13.75	3.10	0.55	3.06
11.20	1.00	0.00	0.00	13.80	3.11	0.56	2.93
11.25	1.02	0.00	0.00	13.85	3.12	0.56	2.81
11.30	1.04	0.00	0.00	13.90	3.13	0.57	2.69
11.35	1.06	0.00	0.00	13.95	3.14	0.57	2.60
11.40	1.09	0.00	0.00	14.00	3.15	0.58	2.51
11.45	1.11	0.00	0.00	14.05	3.16	0.58	2.44
11.50	1.14	0.00	0.00	14.10	3.16	0.58	2.38
11.55	1.18	0.00	0.00	14.15	3.17	0.59	2.32
11.60	1.22	0.00	0.01	14.20	3.18	0.59	2.27
11.65	1.26	0.01	0.03	14.25	3.19	0.59	2.22
11.70	1.30	0.01	0.06	14.30	3.20	0.60	2.18
11.75	1.35	0.01	0.12	14.35	3.20	0.60	2.14
11.80	1.41	0.02	0.21	14.40	3.21	0.61	2.10
11.85	1.49	0.03	0.33	14.45	3.22	0.61	2.07
11.90	1.57	0.04	0.52	14.50	3.23	0.61	2.03
11.95	1.70	0.06	0.77	14.55	3.23	0.62	2.00
12.00	1.83	0.09	1.13	14.60	3.24	0.62	1.96
12.05	2.06	0.15	1.67	14.65	3.25	0.62	1.93
12.10	2.28	0.22	2.49	14.70	3.25	0.63	1.90
12.15	2.36	0.25	3.70	14.75	3.26	0.63	1.87
12.20	2.44	0.28	5.36	14.80	3.26	0.63	1.83
12.25	2.50	0.30	7.36	14.85	3.27	0.63	1.80
12.30	2.55	0.32	9.49	14.90	3.28	0.64	1.77
12.35	2.59	0.33	11.41	14.95	3.28	0.64	1.74
12.40	2.63	0.35	12.79	15.00	3.29	0.64	1.70
12.45	2.67	0.37	13.60	15.05	3.29	0.65	1.67
12.50	2.71	0.38	**13.83**	15.10	3.30	0.65	1.64
12.55	2.74	0.39	13.58	15.15	3.30	0.65	1.61
12.60	2.76	0.40	12.99	15.20	3.31	0.65	1.57
12.65	2.79	0.41	12.18	15.25	3.31	0.66	1.54
12.70	2.81	0.42	11.28	15.30	3.32	0.66	1.51
12.75	2.83	0.43	10.44	15.35	3.32	0.66	1.48
12.80	2.85	0.44	9.65	15.40	3.33	0.66	1.46
12.85	2.87	0.45	8.91	15.45	3.34	0.67	1.43
12.90	2.89	0.46	8.22	15.50	3.34	0.67	1.41
12.95	2.91	0.46	7.59	15.55	3.35	0.67	1.39

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.67	1.37	18.20	3.56	0.78	0.89
15.65	3.36	0.68	1.36	18.25	3.56	0.78	0.88
15.70	3.36	0.68	1.34	18.30	3.56	0.79	0.87
15.75	3.36	0.68	1.33	18.35	3.57	0.79	0.86
15.80	3.37	0.68	1.32	18.40	3.57	0.79	0.85
15.85	3.37	0.69	1.31	18.45	3.57	0.79	0.85
15.90	3.38	0.69	1.30	18.50	3.58	0.79	0.84
15.95	3.38	0.69	1.29	18.55	3.58	0.79	0.84
16.00	3.39	0.69	1.28	18.60	3.58	0.80	0.83
16.05	3.39	0.70	1.27	18.65	3.58	0.80	0.83
16.10	3.40	0.70	1.26	18.70	3.59	0.80	0.82
16.15	3.40	0.70	1.25	18.75	3.59	0.80	0.82
16.20	3.41	0.70	1.24	18.80	3.59	0.80	0.82
16.25	3.41	0.71	1.24	18.85	3.60	0.80	0.81
16.30	3.42	0.71	1.23	18.90	3.60	0.80	0.81
16.35	3.42	0.71	1.22	18.95	3.60	0.81	0.81
16.40	3.42	0.71	1.21	19.00	3.61	0.81	0.81
16.45	3.43	0.72	1.20	19.05	3.61	0.81	0.80
16.50	3.43	0.72	1.19	19.10	3.61	0.81	0.80
16.55	3.44	0.72	1.18	19.15	3.61	0.81	0.80
16.60	3.44	0.72	1.18	19.20	3.62	0.81	0.80
16.65	3.45	0.72	1.17	19.25	3.62	0.82	0.80
16.70	3.45	0.73	1.16	19.30	3.62	0.82	0.79
16.75	3.45	0.73	1.15	19.35	3.63	0.82	0.79
16.80	3.46	0.73	1.14	19.40	3.63	0.82	0.79
16.85	3.46	0.73	1.13	19.45	3.63	0.82	0.79
16.90	3.47	0.73	1.12	19.50	3.63	0.82	0.78
16.95	3.47	0.74	1.12	19.55	3.64	0.82	0.78
17.00	3.47	0.74	1.11	19.60	3.64	0.83	0.78
17.05	3.48	0.74	1.10	19.65	3.64	0.83	0.78
17.10	3.48	0.74	1.09	19.70	3.65	0.83	0.78
17.15	3.49	0.74	1.08	19.75	3.65	0.83	0.77
17.20	3.49	0.75	1.07	19.80	3.65	0.83	0.77
17.25	3.49	0.75	1.06	19.85	3.65	0.83	0.77
17.30	3.50	0.75	1.05	19.90	3.66	0.84	0.77
17.35	3.50	0.75	1.05	19.95	3.66	0.84	0.77
17.40	3.50	0.75	1.04	20.00	3.66	0.84	0.76
17.45	3.51	0.76	1.03	20.05	3.66	0.84	0.76
17.50	3.51	0.76	1.02	20.10	3.67	0.84	0.76
17.55	3.52	0.76	1.01	20.15	3.67	0.84	0.76
17.60	3.52	0.76	1.00	20.20	3.67	0.84	0.76
17.65	3.52	0.76	0.99	20.25	3.68	0.85	0.75
17.70	3.53	0.77	0.98	20.30	3.68	0.85	0.75
17.75	3.53	0.77	0.97	20.35	3.68	0.85	0.75
17.80	3.53	0.77	0.96	20.40	3.68	0.85	0.75
17.85	3.54	0.77	0.95	20.45	3.69	0.85	0.74
17.90	3.54	0.77	0.94	20.50	3.69	0.85	0.74
17.95	3.54	0.77	0.94	20.55	3.69	0.85	0.74
18.00	3.54	0.78	0.93	20.60	3.69	0.86	0.74
18.05	3.55	0.78	0.92	20.65	3.70	0.86	0.74
18.10	3.55	0.78	0.91	20.70	3.70	0.86	0.73
18.15	3.55	0.78	0.90	20.75	3.70	0.86	0.73

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.86	0.73	23.40	3.82	0.93	0.61
20.85	3.71	0.86	0.73	23.45	3.83	0.93	0.61
20.90	3.71	0.86	0.73	23.50	3.83	0.93	0.60
20.95	3.71	0.87	0.72	23.55	3.83	0.93	0.60
21.00	3.71	0.87	0.72	23.60	3.83	0.93	0.60
21.05	3.72	0.87	0.72	23.65	3.84	0.93	0.60
21.10	3.72	0.87	0.72	23.70	3.84	0.94	0.59
21.15	3.72	0.87	0.71	23.75	3.84	0.94	0.59
21.20	3.72	0.87	0.71	23.80	3.84	0.94	0.59
21.25	3.73	0.87	0.71	23.85	3.84	0.94	0.59
21.30	3.73	0.88	0.71	23.90	3.85	0.94	0.58
21.35	3.73	0.88	0.70	23.95	3.85	0.94	0.58
21.40	3.73	0.88	0.70	24.00	**3.85**	**0.94**	0.58
21.45	3.74	0.88	0.70	24.05	3.85	0.94	0.58
21.50	3.74	0.88	0.70	24.10	3.85	0.94	0.58
21.55	3.74	0.88	0.70	24.15	3.85	0.94	0.57
21.60	3.74	0.88	0.69	24.20	3.85	0.94	0.56
21.65	3.75	0.88	0.69	24.25	3.85	0.94	0.53
21.70	3.75	0.89	0.69	24.30	3.85	0.94	0.48
21.75	3.75	0.89	0.69	24.35	3.85	0.94	0.43
21.80	3.75	0.89	0.68	24.40	3.85	0.94	0.37
21.85	3.76	0.89	0.68	24.45	3.85	0.94	0.31
21.90	3.76	0.89	0.68	24.50	3.85	0.94	0.25
21.95	3.76	0.89	0.68	24.55	3.85	0.94	0.20
22.00	3.76	0.89	0.68	24.60	3.85	0.94	0.15
22.05	3.77	0.90	0.67	24.65	3.85	0.94	0.12
22.10	3.77	0.90	0.67	24.70	3.85	0.94	0.10
22.15	3.77	0.90	0.67	24.75	3.85	0.94	0.08
22.20	3.77	0.90	0.67	24.80	3.85	0.94	0.06
22.25	3.77	0.90	0.66	24.85	3.85	0.94	0.05
22.30	3.78	0.90	0.66	24.90	3.85	0.94	0.04
22.35	3.78	0.90	0.66	24.95	3.85	0.94	0.03
22.40	3.78	0.90	0.66	25.00	3.85	0.94	0.02
22.45	3.78	0.91	0.65	25.05	3.85	0.94	0.02
22.50	3.79	0.91	0.65	25.10	3.85	0.94	0.01
22.55	3.79	0.91	0.65	25.15	3.85	0.94	0.01
22.60	3.79	0.91	0.65	25.20	3.85	0.94	0.01
22.65	3.79	0.91	0.64	25.25	3.85	0.94	0.01
22.70	3.79	0.91	0.64	25.30	3.85	0.94	0.01
22.75	3.80	0.91	0.64	25.35	3.85	0.94	0.00
22.80	3.80	0.91	0.64	25.40	3.85	0.94	0.00
22.85	3.80	0.92	0.64	25.45	3.85	0.94	0.00
22.90	3.80	0.92	0.63	25.50	3.85	0.94	0.00
22.95	3.81	0.92	0.63	25.55	3.85	0.94	0.00
23.00	3.81	0.92	0.63	25.60	3.85	0.94	0.00
23.05	3.81	0.92	0.63	25.65	3.85	0.94	0.00
23.10	3.81	0.92	0.62	25.70	3.85	0.94	0.00
23.15	3.81	0.92	0.62	25.75	3.85	0.94	0.00
23.20	3.82	0.92	0.62	25.80	3.85	0.94	0.00
23.25	3.82	0.92	0.62	25.85	3.85	0.94	0.00
23.30	3.82	0.93	0.61	25.90	3.85	0.94	0.00
23.35	3.82	0.93	0.61	25.95	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.94	0.00	28.60	3.85	0.94	0.00
26.05	3.85	0.94	0.00	28.65	3.85	0.94	0.00
26.10	3.85	0.94	0.00	28.70	3.85	0.94	0.00
26.15	3.85	0.94	0.00	28.75	3.85	0.94	0.00
26.20	3.85	0.94	0.00	28.80	3.85	0.94	0.00
26.25	3.85	0.94	0.00	28.85	3.85	0.94	0.00
26.30	3.85	0.94	0.00	28.90	3.85	0.94	0.00
26.35	3.85	0.94	0.00	28.95	3.85	0.94	0.00
26.40	3.85	0.94	0.00	29.00	3.85	0.94	0.00
26.45	3.85	0.94	0.00	29.05	3.85	0.94	0.00
26.50	3.85	0.94	0.00	29.10	3.85	0.94	0.00
26.55	3.85	0.94	0.00	29.15	3.85	0.94	0.00
26.60	3.85	0.94	0.00	29.20	3.85	0.94	0.00
26.65	3.85	0.94	0.00	29.25	3.85	0.94	0.00
26.70	3.85	0.94	0.00	29.30	3.85	0.94	0.00
26.75	3.85	0.94	0.00	29.35	3.85	0.94	0.00
26.80	3.85	0.94	0.00	29.40	3.85	0.94	0.00
26.85	3.85	0.94	0.00	29.45	3.85	0.94	0.00
26.90	3.85	0.94	0.00	29.50	3.85	0.94	0.00
26.95	3.85	0.94	0.00	29.55	3.85	0.94	0.00
27.00	3.85	0.94	0.00	29.60	3.85	0.94	0.00
27.05	3.85	0.94	0.00	29.65	3.85	0.94	0.00
27.10	3.85	0.94	0.00	29.70	3.85	0.94	0.00
27.15	3.85	0.94	0.00	29.75	3.85	0.94	0.00
27.20	3.85	0.94	0.00	29.80	3.85	0.94	0.00
27.25	3.85	0.94	0.00	29.85	3.85	0.94	0.00
27.30	3.85	0.94	0.00	29.90	3.85	0.94	0.00
27.35	3.85	0.94	0.00	29.95	3.85	0.94	0.00
27.40	3.85	0.94	0.00	30.00	3.85	0.94	0.00
27.45	3.85	0.94	0.00	30.05	3.85	0.94	0.00
27.50	3.85	0.94	0.00	30.10	3.85	0.94	0.00
27.55	3.85	0.94	0.00	30.15	3.85	0.94	0.00
27.60	3.85	0.94	0.00	30.20	3.85	0.94	0.00
27.65	3.85	0.94	0.00	30.25	3.85	0.94	0.00
27.70	3.85	0.94	0.00	30.30	3.85	0.94	0.00
27.75	3.85	0.94	0.00	30.35	3.85	0.94	0.00
27.80	3.85	0.94	0.00	30.40	3.85	0.94	0.00
27.85	3.85	0.94	0.00	30.45	3.85	0.94	0.00
27.90	3.85	0.94	0.00	30.50	3.85	0.94	0.00
27.95	3.85	0.94	0.00	30.55	3.85	0.94	0.00
28.00	3.85	0.94	0.00	30.60	3.85	0.94	0.00
28.05	3.85	0.94	0.00	30.65	3.85	0.94	0.00
28.10	3.85	0.94	0.00	30.70	3.85	0.94	0.00
28.15	3.85	0.94	0.00	30.75	3.85	0.94	0.00
28.20	3.85	0.94	0.00	30.80	3.85	0.94	0.00
28.25	3.85	0.94	0.00	30.85	3.85	0.94	0.00
28.30	3.85	0.94	0.00	30.90	3.85	0.94	0.00
28.35	3.85	0.94	0.00	30.95	3.85	0.94	0.00
28.40	3.85	0.94	0.00	31.00	3.85	0.94	0.00
28.45	3.85	0.94	0.00	31.05	3.85	0.94	0.00
28.50	3.85	0.94	0.00	31.10	3.85	0.94	0.00
28.55	3.85	0.94	0.00	31.15	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.94	0.00	33.80	3.85	0.94	0.00
31.25	3.85	0.94	0.00	33.85	3.85	0.94	0.00
31.30	3.85	0.94	0.00	33.90	3.85	0.94	0.00
31.35	3.85	0.94	0.00	33.95	3.85	0.94	0.00
31.40	3.85	0.94	0.00	34.00	3.85	0.94	0.00
31.45	3.85	0.94	0.00	34.05	3.85	0.94	0.00
31.50	3.85	0.94	0.00	34.10	3.85	0.94	0.00
31.55	3.85	0.94	0.00	34.15	3.85	0.94	0.00
31.60	3.85	0.94	0.00	34.20	3.85	0.94	0.00
31.65	3.85	0.94	0.00	34.25	3.85	0.94	0.00
31.70	3.85	0.94	0.00	34.30	3.85	0.94	0.00
31.75	3.85	0.94	0.00	34.35	3.85	0.94	0.00
31.80	3.85	0.94	0.00	34.40	3.85	0.94	0.00
31.85	3.85	0.94	0.00	34.45	3.85	0.94	0.00
31.90	3.85	0.94	0.00	34.50	3.85	0.94	0.00
31.95	3.85	0.94	0.00	34.55	3.85	0.94	0.00
32.00	3.85	0.94	0.00	34.60	3.85	0.94	0.00
32.05	3.85	0.94	0.00	34.65	3.85	0.94	0.00
32.10	3.85	0.94	0.00	34.70	3.85	0.94	0.00
32.15	3.85	0.94	0.00	34.75	3.85	0.94	0.00
32.20	3.85	0.94	0.00	34.80	3.85	0.94	0.00
32.25	3.85	0.94	0.00	34.85	3.85	0.94	0.00
32.30	3.85	0.94	0.00	34.90	3.85	0.94	0.00
32.35	3.85	0.94	0.00	34.95	3.85	0.94	0.00
32.40	3.85	0.94	0.00	35.00	3.85	0.94	0.00
32.45	3.85	0.94	0.00	35.05	3.85	0.94	0.00
32.50	3.85	0.94	0.00	35.10	3.85	0.94	0.00
32.55	3.85	0.94	0.00	35.15	3.85	0.94	0.00
32.60	3.85	0.94	0.00	35.20	3.85	0.94	0.00
32.65	3.85	0.94	0.00	35.25	3.85	0.94	0.00
32.70	3.85	0.94	0.00	35.30	3.85	0.94	0.00
32.75	3.85	0.94	0.00	35.35	3.85	0.94	0.00
32.80	3.85	0.94	0.00	35.40	3.85	0.94	0.00
32.85	3.85	0.94	0.00	35.45	3.85	0.94	0.00
32.90	3.85	0.94	0.00	35.50	3.85	0.94	0.00
32.95	3.85	0.94	0.00	35.55	3.85	0.94	0.00
33.00	3.85	0.94	0.00	35.60	3.85	0.94	0.00
33.05	3.85	0.94	0.00	35.65	3.85	0.94	0.00
33.10	3.85	0.94	0.00	35.70	3.85	0.94	0.00
33.15	3.85	0.94	0.00	35.75	3.85	0.94	0.00
33.20	3.85	0.94	0.00	35.80	3.85	0.94	0.00
33.25	3.85	0.94	0.00	35.85	3.85	0.94	0.00
33.30	3.85	0.94	0.00	35.90	3.85	0.94	0.00
33.35	3.85	0.94	0.00	35.95	3.85	0.94	0.00
33.40	3.85	0.94	0.00	36.00	3.85	0.94	0.00
33.45	3.85	0.94	0.00	36.05	3.85	0.94	0.00
33.50	3.85	0.94	0.00	36.10	3.85	0.94	0.00
33.55	3.85	0.94	0.00	36.15	3.85	0.94	0.00
33.60	3.85	0.94	0.00	36.20	3.85	0.94	0.00
33.65	3.85	0.94	0.00	36.25	3.85	0.94	0.00
33.70	3.85	0.94	0.00	36.30	3.85	0.94	0.00
33.75	3.85	0.94	0.00	36.35	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.94	0.00
36.45	3.85	0.94	0.00
36.50	3.85	0.94	0.00
36.55	3.85	0.94	0.00
36.60	3.85	0.94	0.00
36.65	3.85	0.94	0.00
36.70	3.85	0.94	0.00
36.75	3.85	0.94	0.00
36.80	3.85	0.94	0.00
36.85	3.85	0.94	0.00
36.90	3.85	0.94	0.00
36.95	3.85	0.94	0.00
37.00	3.85	0.94	0.00
37.05	3.85	0.94	0.00
37.10	3.85	0.94	0.00
37.15	3.85	0.94	0.00
37.20	3.85	0.94	0.00
37.25	3.85	0.94	0.00
37.30	3.85	0.94	0.00
37.35	3.85	0.94	0.00
37.40	3.85	0.94	0.00
37.45	3.85	0.94	0.00
37.50	3.85	0.94	0.00
37.55	3.85	0.94	0.00
37.60	3.85	0.94	0.00
37.65	3.85	0.94	0.00
37.70	3.85	0.94	0.00
37.75	3.85	0.94	0.00
37.80	3.85	0.94	0.00
37.85	3.85	0.94	0.00
37.90	3.85	0.94	0.00
37.95	3.85	0.94	0.00
38.00	3.85	0.94	0.00
38.05	3.85	0.94	0.00
38.10	3.85	0.94	0.00
38.15	3.85	0.94	0.00
38.20	3.85	0.94	0.00
38.25	3.85	0.94	0.00
38.30	3.85	0.94	0.00
38.35	3.85	0.94	0.00
38.40	3.85	0.94	0.00
38.45	3.85	0.94	0.00
38.50	3.85	0.94	0.00
38.55	3.85	0.94	0.00
38.60	3.85	0.94	0.00
38.65	3.85	0.94	0.00
38.70	3.85	0.94	0.00
38.75	3.85	0.94	0.00
38.80	3.85	0.94	0.00
38.85	3.85	0.94	0.00
38.90	3.85	0.94	0.00
38.95	3.85	0.94	0.00
39.00	3.85	0.94	0.00
39.05	3.85	0.94	0.00
39.10	3.85	0.94	0.00
39.15	3.85	0.94	0.00
39.20	3.85	0.94	0.00
39.25	3.85	0.94	0.00
39.30	3.85	0.94	0.00
39.35	3.85	0.94	0.00
39.40	3.85	0.94	0.00
39.45	3.85	0.94	0.00
39.50	3.85	0.94	0.00
39.55	3.85	0.94	0.00
39.60	3.85	0.94	0.00
39.65	3.85	0.94	0.00
39.70	3.85	0.94	0.00
39.75	3.85	0.94	0.00
39.80	3.85	0.94	0.00
39.85	3.85	0.94	0.00
39.90	3.85	0.94	0.00
39.95	3.85	0.94	0.00
40.00	3.85	0.94	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 1.74" for Future 2 yr event
Inflow = 2.87 cfs @ 12.09 hrs, Volume= 0.403 af
Outflow = 0.16 cfs @ 17.79 hrs, Volume= 0.309 af, Atten= 94%, Lag= 341.7 min
Primary = 0.16 cfs @ 17.79 hrs, Volume= 0.309 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.08' @ 17.79 hrs Surf.Area= 11,214 sf Storage= 11,578 cf

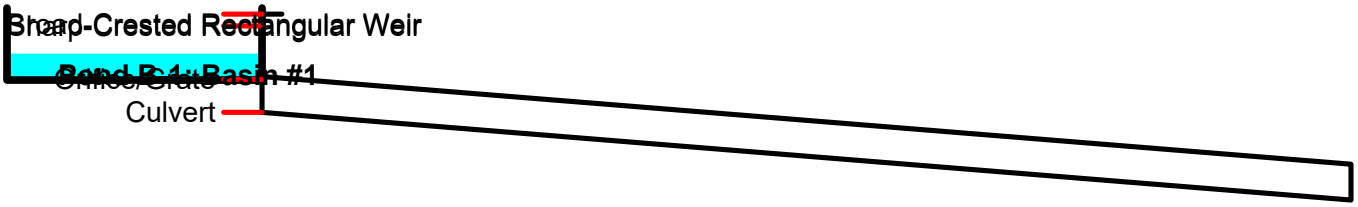
Plug-Flow detention time= 711.8 min calculated for 0.309 af (77% of inflow)
Center-of-Mass det. time= 615.4 min (1,498.8 - 883.4)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

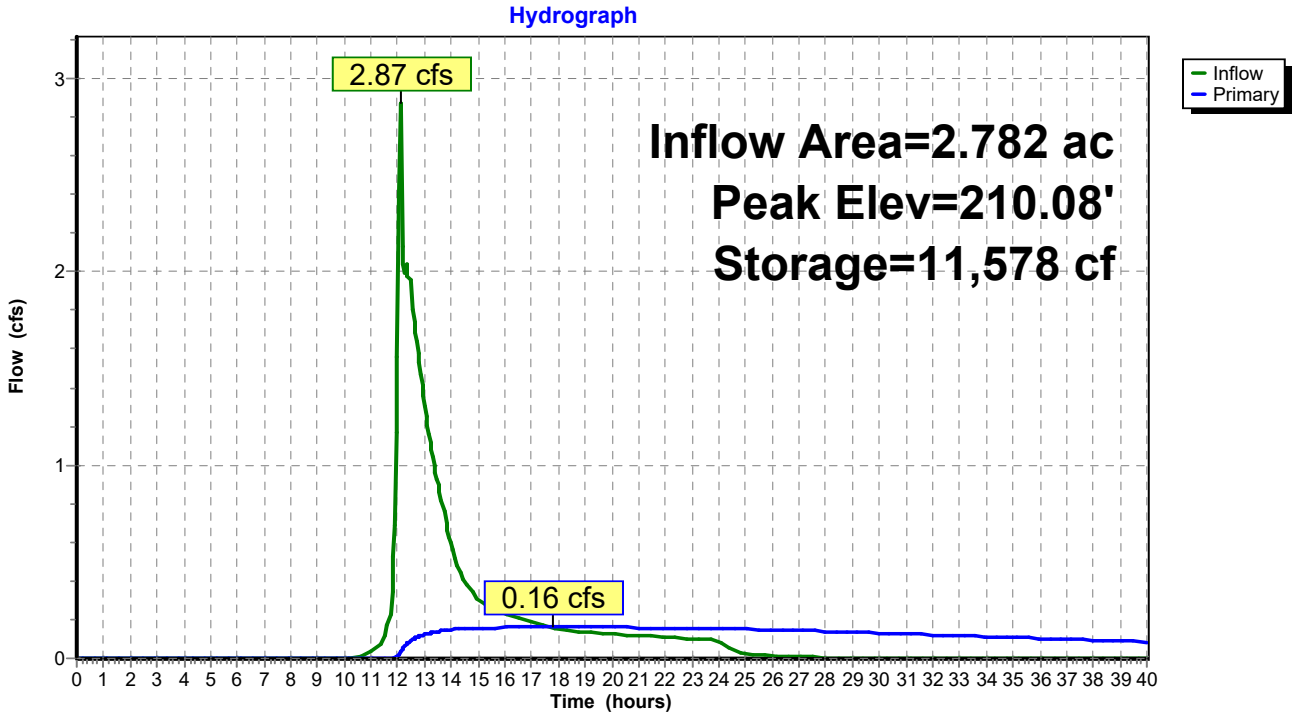
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.16 cfs @ 17.79 hrs HW=210.08' (Free Discharge)
- **1=Culvert** (Passes 0.16 cfs of 11.04 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.16 cfs @ 4.71 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	0	209.00	0.00
1.50	0.00	0	209.00	0.00
1.60	0.00	0	209.00	0.00
1.70	0.00	0	209.00	0.00
1.80	0.00	0	209.00	0.00
1.90	0.00	0	209.00	0.00
2.00	0.00	0	209.00	0.00
2.10	0.00	0	209.00	0.00
2.20	0.00	0	209.00	0.00
2.30	0.00	0	209.00	0.00
2.40	0.00	0	209.00	0.00
2.50	0.00	0	209.00	0.00
2.60	0.00	0	209.00	0.00
2.70	0.00	0	209.00	0.00
2.80	0.00	0	209.00	0.00
2.90	0.00	0	209.00	0.00
3.00	0.00	0	209.00	0.00
3.10	0.00	0	209.00	0.00
3.20	0.00	0	209.00	0.00
3.30	0.00	0	209.00	0.00
3.40	0.00	0	209.00	0.00
3.50	0.00	0	209.00	0.00
3.60	0.00	0	209.00	0.00
3.70	0.00	0	209.00	0.00
3.80	0.00	0	209.00	0.00
3.90	0.00	0	209.00	0.00
4.00	0.00	0	209.00	0.00
4.10	0.00	0	209.00	0.00
4.20	0.00	0	209.00	0.00
4.30	0.00	0	209.00	0.00
4.40	0.00	0	209.00	0.00
4.50	0.00	0	209.00	0.00
4.60	0.00	0	209.00	0.00
4.70	0.00	0	209.00	0.00
4.80	0.00	0	209.00	0.00
4.90	0.00	0	209.00	0.00
5.00	0.00	0	209.00	0.00
5.10	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	209.00	0.00
5.30	0.00	0	209.00	0.00
5.40	0.00	0	209.00	0.00
5.50	0.00	0	209.00	0.00
5.60	0.00	0	209.00	0.00
5.70	0.00	0	209.00	0.00
5.80	0.00	0	209.00	0.00
5.90	0.00	0	209.00	0.00
6.00	0.00	0	209.00	0.00
6.10	0.00	0	209.00	0.00
6.20	0.00	0	209.00	0.00
6.30	0.00	0	209.00	0.00
6.40	0.00	0	209.00	0.00
6.50	0.00	0	209.00	0.00
6.60	0.00	0	209.00	0.00
6.70	0.00	0	209.00	0.00
6.80	0.00	0	209.00	0.00
6.90	0.00	0	209.00	0.00
7.00	0.00	0	209.00	0.00
7.10	0.00	0	209.00	0.00
7.20	0.00	0	209.00	0.00
7.30	0.00	0	209.00	0.00
7.40	0.00	0	209.00	0.00
7.50	0.00	0	209.00	0.00
7.60	0.00	0	209.00	0.00
7.70	0.00	0	209.00	0.00
7.80	0.00	0	209.00	0.00
7.90	0.00	0	209.00	0.00
8.00	0.00	0	209.00	0.00
8.10	0.00	0	209.00	0.00
8.20	0.00	0	209.00	0.00
8.30	0.00	0	209.00	0.00
8.40	0.00	0	209.00	0.00
8.50	0.00	0	209.00	0.00
8.60	0.00	0	209.00	0.00
8.70	0.00	0	209.00	0.00
8.80	0.00	0	209.00	0.00
8.90	0.00	0	209.00	0.00
9.00	0.00	0	209.00	0.00
9.10	0.00	0	209.00	0.00
9.20	0.00	0	209.00	0.00
9.30	0.00	0	209.00	0.00
9.40	0.00	0	209.00	0.00
9.50	0.00	0	209.00	0.00
9.60	0.00	0	209.00	0.00
9.70	0.00	0	209.00	0.00
9.80	0.00	0	209.00	0.00
9.90	0.00	0	209.00	0.00
10.00	0.00	0	209.00	0.00
10.10	0.00	0	209.00	0.00
10.20	0.00	1	209.00	0.00
10.30	0.00	2	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.01	4	209.00	0.00
10.50	0.01	6	209.00	0.00
10.60	0.01	10	209.00	0.00
10.70	0.01	15	209.00	0.00
10.80	0.02	21	209.00	0.00
10.90	0.02	29	209.00	0.00
11.00	0.03	39	209.00	0.00
11.10	0.04	51	209.01	0.00
11.20	0.05	68	209.01	0.00
11.30	0.06	88	209.01	0.00
11.40	0.08	113	209.01	0.00
11.50	0.09	144	209.01	0.00
11.60	0.16	192	209.02	0.00
11.70	0.19	256	209.03	0.00
11.80	0.34	352	209.03	0.00
11.90	0.69	538	209.05	0.00
12.00	1.56	948	209.09	0.01
12.10	**2.87**	1,773	209.17	0.04
12.20	2.04	2,581	209.25	0.06
12.30	2.04	3,284	209.32	0.07
12.40	1.97	3,974	209.38	0.08
12.50	1.94	4,648	209.45	0.09
12.60	1.75	5,270	209.51	0.10
12.70	1.64	5,842	209.56	0.11
12.80	1.53	6,372	209.61	0.11
12.90	1.42	6,859	209.65	0.12
13.00	1.31	7,304	209.69	0.12
13.10	1.21	7,710	209.73	0.13
13.20	1.12	8,081	209.77	0.13
13.30	1.04	8,421	209.80	0.13
13.40	0.96	8,732	209.83	0.14
13.50	0.89	9,016	209.85	0.14
13.60	0.83	9,275	209.87	0.14
13.70	0.78	9,513	209.90	0.14
13.80	0.70	9,727	209.92	0.15
13.90	0.63	9,912	209.93	0.15
14.00	0.57	10,075	209.95	0.15
14.10	0.53	10,218	209.96	0.15
14.20	0.49	10,345	209.97	0.15
14.30	0.45	10,459	209.98	0.15
14.40	0.42	10,562	209.99	0.15
14.50	0.40	10,655	210.00	0.15
14.60	0.38	10,740	210.01	0.15
14.70	0.36	10,817	210.01	0.15
14.80	0.34	10,887	210.02	0.16
14.90	0.32	10,951	210.03	0.16
15.00	0.31	11,009	210.03	0.16
15.10	0.29	11,061	210.04	0.16
15.20	0.28	11,107	210.04	0.16
15.30	0.27	11,151	210.04	0.16
15.40	0.26	11,190	210.05	0.16
15.50	0.26	11,227	210.05	0.16

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.25	11,261	210.05	0.16
15.70	0.24	11,293	210.06	0.16
15.80	0.24	11,322	210.06	0.16
15.90	0.23	11,350	210.06	0.16
16.00	0.23	11,375	210.06	0.16
16.10	0.22	11,399	210.07	0.16
16.20	0.22	11,420	210.07	0.16
16.30	0.21	11,440	210.07	0.16
16.40	0.21	11,459	210.07	0.16
16.50	0.21	11,476	210.07	0.16
16.60	0.20	11,492	210.07	0.16
16.70	0.20	11,506	210.08	0.16
16.80	0.19	11,519	210.08	0.16
16.90	0.19	11,531	210.08	0.16
17.00	0.19	11,541	210.08	0.16
17.10	0.18	11,550	210.08	0.16
17.20	0.18	11,558	210.08	0.16
17.30	0.18	11,564	210.08	0.16
17.40	0.17	11,569	210.08	0.16
17.50	0.17	11,573	210.08	0.16
17.60	0.17	11,576	210.08	0.16
17.70	0.16	11,578	210.08	0.16
17.80	0.16	**11,578**	**210.08**	**0.16**
17.90	0.16	11,577	210.08	0.16
18.00	0.15	11,576	210.08	0.16
18.10	0.15	11,572	210.08	0.16
18.20	0.15	11,568	210.08	0.16
18.30	0.15	11,564	210.08	0.16
18.40	0.14	11,558	210.08	0.16
18.50	0.14	11,552	210.08	0.16
18.60	0.14	11,545	210.08	0.16
18.70	0.14	11,538	210.08	0.16
18.80	0.14	11,530	210.08	0.16
18.90	0.14	11,522	210.08	0.16
19.00	0.14	11,514	210.08	0.16
19.10	0.13	11,505	210.08	0.16
19.20	0.13	11,495	210.07	0.16
19.30	0.13	11,486	210.07	0.16
19.40	0.13	11,476	210.07	0.16
19.50	0.13	11,465	210.07	0.16
19.60	0.13	11,454	210.07	0.16
19.70	0.13	11,443	210.07	0.16
19.80	0.13	11,432	210.07	0.16
19.90	0.13	11,421	210.07	0.16
20.00	0.13	11,409	210.07	0.16
20.10	0.12	11,396	210.07	0.16
20.20	0.12	11,384	210.06	0.16
20.30	0.12	11,371	210.06	0.16
20.40	0.12	11,358	210.06	0.16
20.50	0.12	11,345	210.06	0.16
20.60	0.12	11,331	210.06	0.16
20.70	0.12	11,317	210.06	0.16

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.12	11,303	210.06	0.16
20.90	0.12	11,289	210.06	0.16
21.00	0.12	11,274	210.06	0.16
21.10	0.12	11,259	210.05	0.16
21.20	0.12	11,244	210.05	0.16
21.30	0.12	11,229	210.05	0.16
21.40	0.11	11,213	210.05	0.16
21.50	0.11	11,197	210.05	0.16
21.60	0.11	11,181	210.05	0.16
21.70	0.11	11,165	210.05	0.16
21.80	0.11	11,148	210.04	0.16
21.90	0.11	11,131	210.04	0.16
22.00	0.11	11,114	210.04	0.16
22.10	0.11	11,097	210.04	0.16
22.20	0.11	11,079	210.04	0.16
22.30	0.11	11,061	210.04	0.16
22.40	0.11	11,043	210.03	0.16
22.50	0.11	11,025	210.03	0.16
22.60	0.10	11,006	210.03	0.16
22.70	0.10	10,987	210.03	0.16
22.80	0.10	10,968	210.03	0.16
22.90	0.10	10,949	210.03	0.16
23.00	0.10	10,930	210.02	0.16
23.10	0.10	10,910	210.02	0.16
23.20	0.10	10,890	210.02	0.16
23.30	0.10	10,869	210.02	0.16
23.40	0.10	10,849	210.02	0.16
23.50	0.10	10,828	210.02	0.15
23.60	0.10	10,807	210.01	0.15
23.70	0.10	10,786	210.01	0.15
23.80	0.09	10,765	210.01	0.15
23.90	0.09	10,743	210.01	0.15
24.00	0.10	10,723	210.01	0.15
24.10	0.07	10,695	210.00	0.15
24.20	0.06	10,663	210.00	0.15
24.30	0.06	10,629	210.00	0.15
24.40	0.05	10,593	209.99	0.15
24.50	0.04	10,555	209.99	0.15
24.60	0.04	10,515	209.99	0.15
24.70	0.03	10,473	209.98	0.15
24.80	0.03	10,431	209.98	0.15
24.90	0.03	10,387	209.98	0.15
25.00	0.03	10,342	209.97	0.15
25.10	0.02	10,296	209.97	0.15
25.20	0.02	10,250	209.96	0.15
25.30	0.02	10,204	209.96	0.15
25.40	0.02	10,158	209.95	0.15
25.50	0.02	10,111	209.95	0.15
25.60	0.02	10,064	209.95	0.15
25.70	0.02	10,017	209.94	0.15
25.80	0.02	9,969	209.94	0.15
25.90	0.01	9,921	209.93	0.15

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.01	9,873	209.93	0.15
26.10	0.01	9,825	209.92	0.15
26.20	0.01	9,777	209.92	0.15
26.30	0.01	9,728	209.92	0.15
26.40	0.01	9,680	209.91	0.15
26.50	0.01	9,631	209.91	0.15
26.60	0.01	9,583	209.90	0.14
26.70	0.01	9,534	209.90	0.14
26.80	0.01	9,485	209.89	0.14
26.90	0.01	9,436	209.89	0.14
27.00	0.01	9,387	209.89	0.14
27.10	0.01	9,338	209.88	0.14
27.20	0.01	9,290	209.88	0.14
27.30	0.01	9,241	209.87	0.14
27.40	0.01	9,192	209.87	0.14
27.50	0.01	9,143	209.86	0.14
27.60	0.01	9,094	209.86	0.14
27.70	0.00	9,045	209.85	0.14
27.80	0.00	8,997	209.85	0.14
27.90	0.00	8,948	209.85	0.14
28.00	0.00	8,899	209.84	0.14
28.10	0.00	8,851	209.84	0.14
28.20	0.00	8,802	209.83	0.14
28.30	0.00	8,754	209.83	0.14
28.40	0.00	8,706	209.82	0.14
28.50	0.00	8,657	209.82	0.14
28.60	0.00	8,609	209.81	0.14
28.70	0.00	8,561	209.81	0.14
28.80	0.00	8,513	209.81	0.14
28.90	0.00	8,465	209.80	0.14
29.00	0.00	8,418	209.80	0.13
29.10	0.00	8,370	209.79	0.13
29.20	0.00	8,322	209.79	0.13
29.30	0.00	8,275	209.78	0.13
29.40	0.00	8,228	209.78	0.13
29.50	0.00	8,181	209.78	0.13
29.60	0.00	8,133	209.77	0.13
29.70	0.00	8,087	209.77	0.13
29.80	0.00	8,040	209.76	0.13
29.90	0.00	7,993	209.76	0.13
30.00	0.00	7,947	209.75	0.13
30.10	0.00	7,900	209.75	0.13
30.20	0.00	7,854	209.75	0.13
30.30	0.00	7,808	209.74	0.13
30.40	0.00	7,762	209.74	0.13
30.50	0.00	7,716	209.73	0.13
30.60	0.00	7,670	209.73	0.13
30.70	0.00	7,625	209.72	0.13
30.80	0.00	7,579	209.72	0.13
30.90	0.00	7,534	209.72	0.13
31.00	0.00	7,489	209.71	0.13
31.10	0.00	7,444	209.71	0.13

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,399	209.70	0.12
31.30	0.00	7,354	209.70	0.12
31.40	0.00	7,310	209.70	0.12
31.50	0.00	7,265	209.69	0.12
31.60	0.00	7,221	209.69	0.12
31.70	0.00	7,177	209.68	0.12
31.80	0.00	7,133	209.68	0.12
31.90	0.00	7,089	209.67	0.12
32.00	0.00	7,046	209.67	0.12
32.10	0.00	7,002	209.67	0.12
32.20	0.00	6,959	209.66	0.12
32.30	0.00	6,916	209.66	0.12
32.40	0.00	6,873	209.65	0.12
32.50	0.00	6,830	209.65	0.12
32.60	0.00	6,787	209.65	0.12
32.70	0.00	6,744	209.64	0.12
32.80	0.00	6,702	209.64	0.12
32.90	0.00	6,660	209.64	0.12
33.00	0.00	6,618	209.63	0.12
33.10	0.00	6,576	209.63	0.12
33.20	0.00	6,534	209.62	0.12
33.30	0.00	6,492	209.62	0.12
33.40	0.00	6,451	209.62	0.12
33.50	0.00	6,410	209.61	0.11
33.60	0.00	6,369	209.61	0.11
33.70	0.00	6,328	209.60	0.11
33.80	0.00	6,287	209.60	0.11
33.90	0.00	6,246	209.60	0.11
34.00	0.00	6,206	209.59	0.11
34.10	0.00	6,165	209.59	0.11
34.20	0.00	6,125	209.59	0.11
34.30	0.00	6,085	209.58	0.11
34.40	0.00	6,045	209.58	0.11
34.50	0.00	6,006	209.57	0.11
34.60	0.00	5,966	209.57	0.11
34.70	0.00	5,927	209.57	0.11
34.80	0.00	5,887	209.56	0.11
34.90	0.00	5,848	209.56	0.11
35.00	0.00	5,810	209.56	0.11
35.10	0.00	5,771	209.55	0.11
35.20	0.00	5,732	209.55	0.11
35.30	0.00	5,694	209.55	0.11
35.40	0.00	5,656	209.54	0.11
35.50	0.00	5,618	209.54	0.11
35.60	0.00	5,580	209.53	0.11
35.70	0.00	5,542	209.53	0.10
35.80	0.00	5,504	209.53	0.10
35.90	0.00	5,467	209.52	0.10
36.00	0.00	5,430	209.52	0.10
36.10	0.00	5,392	209.52	0.10
36.20	0.00	5,356	209.51	0.10
36.30	0.00	5,319	209.51	0.10

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,282	209.51	0.10
36.50	0.00	5,246	209.50	0.10
36.60	0.00	5,209	209.50	0.10
36.70	0.00	5,173	209.50	0.10
36.80	0.00	5,137	209.49	0.10
36.90	0.00	5,102	209.49	0.10
37.00	0.00	5,066	209.49	0.10
37.10	0.00	5,030	209.48	0.10
37.20	0.00	4,995	209.48	0.10
37.30	0.00	4,960	209.48	0.10
37.40	0.00	4,925	209.47	0.10
37.50	0.00	4,890	209.47	0.10
37.60	0.00	4,856	209.47	0.10
37.70	0.00	4,821	209.46	0.10
37.80	0.00	4,787	209.46	0.10
37.90	0.00	4,753	209.46	0.09
38.00	0.00	4,719	209.45	0.09
38.10	0.00	4,685	209.45	0.09
38.20	0.00	4,651	209.45	0.09
38.30	0.00	4,618	209.44	0.09
38.40	0.00	4,584	209.44	0.09
38.50	0.00	4,551	209.44	0.09
38.60	0.00	4,518	209.43	0.09
38.70	0.00	4,485	209.43	0.09
38.80	0.00	4,453	209.43	0.09
38.90	0.00	4,420	209.43	0.09
39.00	0.00	4,388	209.42	0.09
39.10	0.00	4,356	209.42	0.09
39.20	0.00	4,324	209.42	0.09
39.30	0.00	4,292	209.41	0.09
39.40	0.00	4,260	209.41	0.09
39.50	0.00	4,229	209.41	0.09
39.60	0.00	4,197	209.40	0.09
39.70	0.00	4,166	209.40	0.09
39.80	0.00	4,135	209.40	0.09
39.90	0.00	4,104	209.40	0.09
40.00	0.00	4,073	209.39	0.09

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 2.69" for Future 2 yr event
Inflow = 5.83 cfs @ 12.08 hrs, Volume= 0.376 af
Outflow = 0.15 cfs @ 15.27 hrs, Volume= 0.258 af, Atten= 97%, Lag= 191.3 min
Primary = 0.15 cfs @ 15.27 hrs, Volume= 0.258 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.40' @ 15.27 hrs Surf.Area= 8,477 sf Storage= 11,837 cf

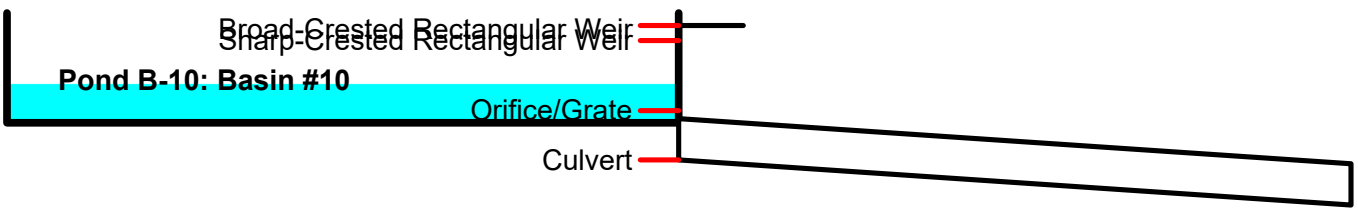
Plug-Flow detention time= 742.5 min calculated for 0.257 af (68% of inflow)
Center-of-Mass det. time= 640.7 min (1,415.0 - 774.3)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

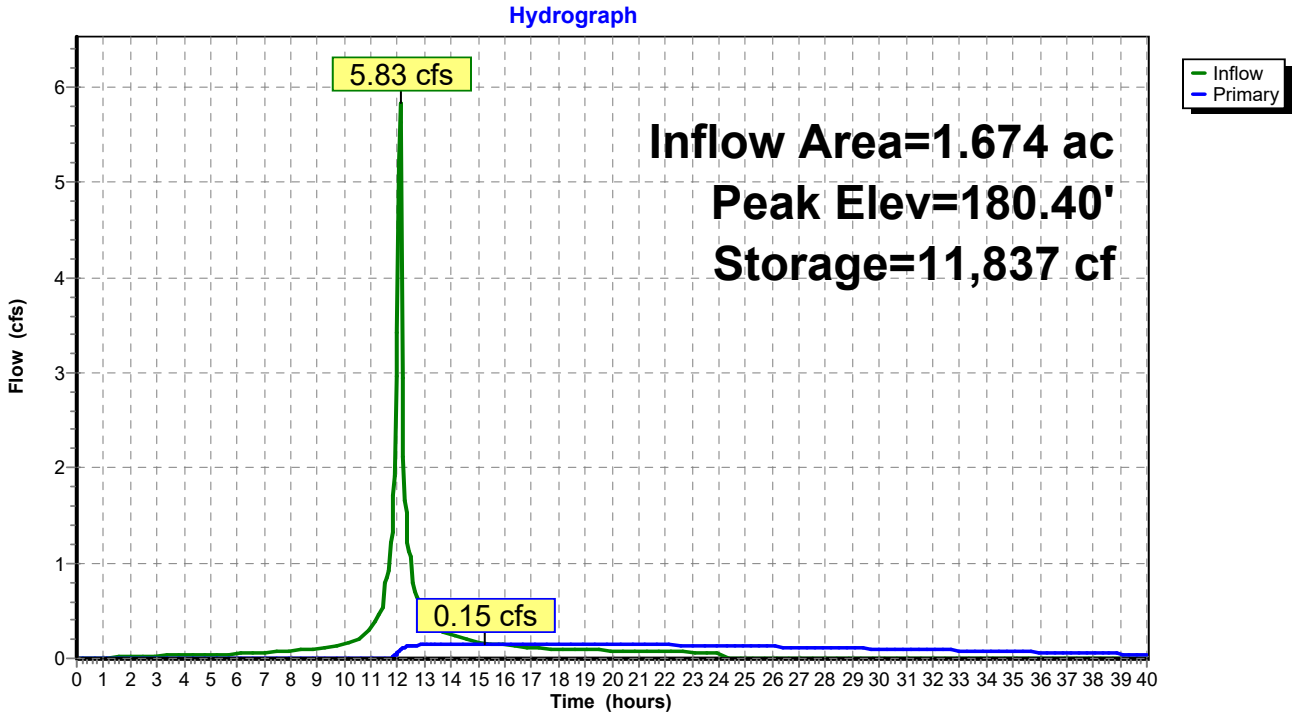
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 15.27 hrs HW=180.40' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 12.02 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	1	179.00	0.00
1.30	0.00	3	179.00	0.00
1.40	0.01	5	179.00	0.00
1.50	0.01	7	179.00	0.00
1.60	0.01	10	179.00	0.00
1.70	0.01	14	179.00	0.00
1.80	0.01	18	179.00	0.00
1.90	0.01	23	179.00	0.00
2.00	0.01	28	179.00	0.00
2.10	0.02	33	179.00	0.00
2.20	0.02	39	179.00	0.00
2.30	0.02	46	179.01	0.00
2.40	0.02	52	179.01	0.00
2.50	0.02	60	179.01	0.00
2.60	0.02	67	179.01	0.00
2.70	0.02	75	179.01	0.00
2.80	0.02	83	179.01	0.00
2.90	0.02	92	179.01	0.00
3.00	0.03	101	179.01	0.00
3.10	0.03	111	179.01	0.00
3.20	0.03	120	179.01	0.00
3.30	0.03	130	179.02	0.00
3.40	0.03	141	179.02	0.00
3.50	0.03	151	179.02	0.00
3.60	0.03	162	179.02	0.00
3.70	0.03	174	179.02	0.00
3.80	0.03	185	179.02	0.00
3.90	0.03	197	179.02	0.00
4.00	0.03	210	179.02	0.00
4.10	0.04	222	179.03	0.00
4.20	0.04	235	179.03	0.00
4.30	0.04	248	179.03	0.00
4.40	0.04	261	179.03	0.00
4.50	0.04	275	179.03	0.00
4.60	0.04	289	179.03	0.00
4.70	0.04	303	179.04	0.00
4.80	0.04	317	179.04	0.00
4.90	0.04	332	179.04	0.00
5.00	0.04	347	179.04	0.00
5.10	0.04	362	179.04	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	377	179.04	0.00
5.30	0.04	393	179.05	0.00
5.40	0.04	408	179.05	0.00
5.50	0.04	425	179.05	0.00
5.60	0.05	441	179.05	0.00
5.70	0.05	457	179.05	0.00
5.80	0.05	474	179.06	0.00
5.90	0.05	491	179.06	0.00
6.00	0.05	508	179.06	0.00
6.10	0.05	526	179.06	0.00
6.20	0.05	544	179.06	0.00
6.30	0.05	563	179.07	0.00
6.40	0.05	582	179.07	0.00
6.50	0.06	602	179.07	0.00
6.60	0.06	622	179.07	0.00
6.70	0.06	643	179.08	0.00
6.80	0.06	664	179.08	0.00
6.90	0.06	686	179.08	0.00
7.00	0.06	709	179.08	0.00
7.10	0.06	732	179.09	0.00
7.20	0.07	756	179.09	0.00
7.30	0.07	780	179.09	0.00
7.40	0.07	805	179.09	0.00
7.50	0.07	830	179.10	0.00
7.60	0.07	856	179.10	0.00
7.70	0.07	883	179.10	0.00
7.80	0.08	910	179.11	0.00
7.90	0.08	937	179.11	0.00
8.00	0.08	966	179.11	0.00
8.10	0.08	995	179.12	0.00
8.20	0.08	1,024	179.12	0.00
8.30	0.08	1,054	179.12	0.00
8.40	0.09	1,084	179.13	0.00
8.50	0.09	1,116	179.13	0.00
8.60	0.09	1,147	179.14	0.00
8.70	0.09	1,179	179.14	0.00
8.80	0.09	1,212	179.14	0.00
8.90	0.09	1,246	179.15	0.00
9.00	0.10	1,280	179.15	0.00
9.10	0.10	1,315	179.16	0.00
9.20	0.11	1,353	179.16	0.00
9.30	0.11	1,392	179.16	0.00
9.40	0.12	1,433	179.17	0.00
9.50	0.12	1,477	179.17	0.00
9.60	0.13	1,522	179.18	0.00
9.70	0.13	1,569	179.19	0.00
9.80	0.14	1,618	179.19	0.00
9.90	0.14	1,670	179.20	0.00
10.00	0.15	1,723	179.20	0.00
10.10	0.16	1,778	179.21	0.00
10.20	0.16	1,836	179.22	0.00
10.30	0.17	1,896	179.22	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.18	1,958	179.23	0.00
10.50	0.19	2,024	179.24	0.00
10.60	0.21	2,096	179.25	0.00
10.70	0.23	2,176	179.26	0.00
10.80	0.26	2,265	179.27	0.00
10.90	0.28	2,362	179.28	0.00
11.00	0.31	2,469	179.29	0.00
11.10	0.35	2,591	179.31	0.00
11.20	0.40	2,728	179.32	0.00
11.30	0.45	2,884	179.34	0.00
11.40	0.50	3,057	179.36	0.00
11.50	0.56	3,248	179.38	0.00
11.60	0.86	3,517	179.41	0.00
11.70	0.94	3,841	179.45	0.00
11.80	1.32	4,260	179.50	0.01
11.90	1.91	4,854	179.57	0.03
12.00	3.42	5,852	179.69	0.06
12.10	**5.63**	7,573	179.89	0.10
12.20	2.12	8,762	180.03	0.11
12.30	1.52	9,346	180.10	0.12
12.40	1.13	9,758	180.15	0.13
12.50	1.06	10,104	180.19	0.13
12.60	0.70	10,356	180.22	0.14
12.70	0.65	10,549	180.24	0.14
12.80	0.60	10,722	180.26	0.14
12.90	0.54	10,875	180.28	0.14
13.00	0.49	11,007	180.30	0.14
13.10	0.43	11,117	180.31	0.14
13.20	0.40	11,213	180.32	0.14
13.30	0.37	11,298	180.33	0.15
13.40	0.34	11,371	180.34	0.15
13.50	0.31	11,433	180.35	0.15
13.60	0.28	11,484	180.35	0.15
13.70	0.27	11,528	180.36	0.15
13.80	0.26	11,570	180.36	0.15
13.90	0.25	11,608	180.37	0.15
14.00	0.24	11,644	180.37	0.15
14.10	0.24	11,676	180.38	0.15
14.20	0.23	11,706	180.38	0.15
14.30	0.22	11,732	180.38	0.15
14.40	0.21	11,756	180.39	0.15
14.50	0.20	11,776	180.39	0.15
14.60	0.20	11,794	180.39	0.15
14.70	0.19	11,808	180.39	0.15
14.80	0.18	11,819	180.39	0.15
14.90	0.17	11,828	180.40	0.15
15.00	0.16	11,833	180.40	0.15
15.10	0.16	11,836	180.40	0.15
15.20	0.15	**11,837**	**180.40**	**0.15**
15.30	0.15	**11,837**	**180.40**	**0.15**
15.40	0.15	11,837	180.40	0.15
15.50	0.15	11,835	180.40	0.15

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.15	11,833	180.40	0.15
15.70	0.14	11,831	180.40	0.15
15.80	0.14	11,827	180.40	0.15
15.90	0.14	11,823	180.39	0.15
16.00	0.14	11,817	180.39	0.15
16.10	0.13	11,812	180.39	0.15
16.20	0.13	11,805	180.39	0.15
16.30	0.13	11,798	180.39	0.15
16.40	0.13	11,790	180.39	0.15
16.50	0.13	11,781	180.39	0.15
16.60	0.12	11,771	180.39	0.15
16.70	0.12	11,761	180.39	0.15
16.80	0.12	11,750	180.39	0.15
16.90	0.12	11,738	180.38	0.15
17.00	0.11	11,725	180.38	0.15
17.10	0.11	11,712	180.38	0.15
17.20	0.11	11,698	180.38	0.15
17.30	0.11	11,683	180.38	0.15
17.40	0.11	11,668	180.38	0.15
17.50	0.10	11,652	180.37	0.15
17.60	0.10	11,635	180.37	0.15
17.70	0.10	11,617	180.37	0.15
17.80	0.10	11,599	180.37	0.15
17.90	0.09	11,580	180.37	0.15
18.00	0.09	11,560	180.36	0.15
18.10	0.09	11,539	180.36	0.15
18.20	0.09	11,518	180.36	0.15
18.30	0.09	11,497	180.36	0.15
18.40	0.09	11,476	180.35	0.15
18.50	0.09	11,455	180.35	0.15
18.60	0.09	11,434	180.35	0.15
18.70	0.09	11,412	180.35	0.15
18.80	0.09	11,391	180.34	0.15
18.90	0.09	11,369	180.34	0.15
19.00	0.09	11,347	180.34	0.15
19.10	0.09	11,325	180.34	0.15
19.20	0.08	11,303	180.33	0.15
19.30	0.08	11,281	180.33	0.15
19.40	0.08	11,259	180.33	0.15
19.50	0.08	11,237	180.33	0.15
19.60	0.08	11,214	180.32	0.14
19.70	0.08	11,192	180.32	0.14
19.80	0.08	11,169	180.32	0.14
19.90	0.08	11,147	180.31	0.14
20.00	0.08	11,124	180.31	0.14
20.10	0.08	11,101	180.31	0.14
20.20	0.08	11,078	180.31	0.14
20.30	0.08	11,055	180.30	0.14
20.40	0.08	11,032	180.30	0.14
20.50	0.08	11,008	180.30	0.14
20.60	0.08	10,985	180.30	0.14
20.70	0.08	10,961	180.29	0.14

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	10,938	180.29	0.14
20.90	0.08	10,914	180.29	0.14
21.00	0.07	10,890	180.28	0.14
21.10	0.07	10,866	180.28	0.14
21.20	0.07	10,842	180.28	0.14
21.30	0.07	10,818	180.28	0.14
21.40	0.07	10,794	180.27	0.14
21.50	0.07	10,769	180.27	0.14
21.60	0.07	10,745	180.27	0.14
21.70	0.07	10,720	180.26	0.14
21.80	0.07	10,696	180.26	0.14
21.90	0.07	10,671	180.26	0.14
22.00	0.07	10,646	180.26	0.14
22.10	0.07	10,621	180.25	0.14
22.20	0.07	10,596	180.25	0.14
22.30	0.07	10,571	180.25	0.14
22.40	0.07	10,546	180.24	0.14
22.50	0.07	10,521	180.24	0.14
22.60	0.07	10,495	180.24	0.14
22.70	0.07	10,470	180.24	0.14
22.80	0.06	10,444	180.23	0.14
22.90	0.06	10,418	180.23	0.14
23.00	0.06	10,393	180.23	0.14
23.10	0.06	10,367	180.22	0.14
23.20	0.06	10,341	180.22	0.13
23.30	0.06	10,315	180.22	0.13
23.40	0.06	10,289	180.21	0.13
23.50	0.06	10,263	180.21	0.13
23.60	0.06	10,236	180.21	0.13
23.70	0.06	10,210	180.20	0.13
23.80	0.06	10,184	180.20	0.13
23.90	0.06	10,157	180.20	0.13
24.00	0.07	10,133	180.20	0.13
24.10	0.00	10,095	180.19	0.13
24.20	0.00	10,048	180.19	0.13
24.30	0.00	10,001	180.18	0.13
24.40	0.00	9,954	180.17	0.13
24.50	0.00	9,907	180.17	0.13
24.60	0.00	9,860	180.16	0.13
24.70	0.00	9,814	180.16	0.13
24.80	0.00	9,768	180.15	0.13
24.90	0.00	9,722	180.15	0.13
25.00	0.00	9,676	180.14	0.13
25.10	0.00	9,631	180.14	0.13
25.20	0.00	9,585	180.13	0.13
25.30	0.00	9,540	180.13	0.13
25.40	0.00	9,495	180.12	0.12
25.50	0.00	9,450	180.11	0.12
25.60	0.00	9,406	180.11	0.12
25.70	0.00	9,362	180.10	0.12
25.80	0.00	9,317	180.10	0.12
25.90	0.00	9,274	180.09	0.12

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,230	180.09	0.12
26.10	0.00	9,186	180.08	0.12
26.20	0.00	9,143	180.08	0.12
26.30	0.00	9,100	180.07	0.12
26.40	0.00	9,057	180.07	0.12
26.50	0.00	9,014	180.06	0.12
26.60	0.00	8,972	180.06	0.12
26.70	0.00	8,930	180.05	0.12
26.80	0.00	8,888	180.05	0.12
26.90	0.00	8,846	180.04	0.12
27.00	0.00	8,804	180.04	0.12
27.10	0.00	8,763	180.03	0.11
27.20	0.00	8,721	180.03	0.11
27.30	0.00	8,680	180.02	0.11
27.40	0.00	8,640	180.02	0.11
27.50	0.00	8,599	180.01	0.11
27.60	0.00	8,559	180.01	0.11
27.70	0.00	8,518	180.00	0.11
27.80	0.00	8,478	180.00	0.11
27.90	0.00	8,439	180.00	0.11
28.00	0.00	8,399	179.99	0.11
28.10	0.00	8,360	179.99	0.11
28.20	0.00	8,320	179.98	0.11
28.30	0.00	8,281	179.98	0.11
28.40	0.00	8,243	179.97	0.11
28.50	0.00	8,204	179.97	0.11
28.60	0.00	8,166	179.96	0.11
28.70	0.00	8,128	179.96	0.11
28.80	0.00	8,090	179.95	0.11
28.90	0.00	8,052	179.95	0.10
29.00	0.00	8,014	179.95	0.10
29.10	0.00	7,977	179.94	0.10
29.20	0.00	7,940	179.94	0.10
29.30	0.00	7,903	179.93	0.10
29.40	0.00	7,866	179.93	0.10
29.50	0.00	7,830	179.92	0.10
29.60	0.00	7,794	179.92	0.10
29.70	0.00	7,758	179.92	0.10
29.80	0.00	7,722	179.91	0.10
29.90	0.00	7,686	179.91	0.10
30.00	0.00	7,651	179.90	0.10
30.10	0.00	7,615	179.90	0.10
30.20	0.00	7,580	179.89	0.10
30.30	0.00	7,545	179.89	0.10
30.40	0.00	7,511	179.89	0.10
30.50	0.00	7,476	179.88	0.10
30.60	0.00	7,442	179.88	0.09
30.70	0.00	7,408	179.87	0.09
30.80	0.00	7,374	179.87	0.09
30.90	0.00	7,341	179.87	0.09
31.00	0.00	7,307	179.86	0.09
31.10	0.00	7,274	179.86	0.09

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,241	179.85	0.09
31.30	0.00	7,208	179.85	0.09
31.40	0.00	7,176	179.85	0.09
31.50	0.00	7,143	179.84	0.09
31.60	0.00	7,111	179.84	0.09
31.70	0.00	7,079	179.84	0.09
31.80	0.00	7,047	179.83	0.09
31.90	0.00	7,016	179.83	0.09
32.00	0.00	6,985	179.82	0.09
32.10	0.00	6,953	179.82	0.09
32.20	0.00	6,922	179.82	0.09
32.30	0.00	6,892	179.81	0.09
32.40	0.00	6,861	179.81	0.08
32.50	0.00	6,831	179.81	0.08
32.60	0.00	6,801	179.80	0.08
32.70	0.00	6,771	179.80	0.08
32.80	0.00	6,741	179.80	0.08
32.90	0.00	6,712	179.79	0.08
33.00	0.00	6,682	179.79	0.08
33.10	0.00	6,653	179.78	0.08
33.20	0.00	6,624	179.78	0.08
33.30	0.00	6,596	179.78	0.08
33.40	0.00	6,567	179.77	0.08
33.50	0.00	6,539	179.77	0.08
33.60	0.00	6,511	179.77	0.08
33.70	0.00	6,483	179.76	0.08
33.80	0.00	6,456	179.76	0.08
33.90	0.00	6,428	179.76	0.08
34.00	0.00	6,401	179.76	0.08
34.10	0.00	6,374	179.75	0.07
34.20	0.00	6,347	179.75	0.07
34.30	0.00	6,320	179.75	0.07
34.40	0.00	6,294	179.74	0.07
34.50	0.00	6,268	179.74	0.07
34.60	0.00	6,242	179.74	0.07
34.70	0.00	6,216	179.73	0.07
34.80	0.00	6,191	179.73	0.07
34.90	0.00	6,165	179.73	0.07
35.00	0.00	6,140	179.72	0.07
35.10	0.00	6,115	179.72	0.07
35.20	0.00	6,090	179.72	0.07
35.30	0.00	6,066	179.72	0.07
35.40	0.00	6,041	179.71	0.07
35.50	0.00	6,017	179.71	0.07
35.60	0.00	5,993	179.71	0.07
35.70	0.00	5,970	179.70	0.07
35.80	0.00	5,946	179.70	0.06
35.90	0.00	5,923	179.70	0.06
36.00	0.00	5,900	179.70	0.06
36.10	0.00	5,877	179.69	0.06
36.20	0.00	5,854	179.69	0.06
36.30	0.00	5,832	179.69	0.06

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,810	179.69	0.06
36.50	0.00	5,788	179.68	0.06
36.60	0.00	5,766	179.68	0.06
36.70	0.00	5,744	179.68	0.06
36.80	0.00	5,722	179.68	0.06
36.90	0.00	5,701	179.67	0.06
37.00	0.00	5,680	179.67	0.06
37.10	0.00	5,659	179.67	0.06
37.20	0.00	5,639	179.67	0.06
37.30	0.00	5,618	179.66	0.06
37.40	0.00	5,598	179.66	0.06
37.50	0.00	5,578	179.66	0.06
37.60	0.00	5,558	179.66	0.05
37.70	0.00	5,538	179.65	0.05
37.80	0.00	5,519	179.65	0.05
37.90	0.00	5,500	179.65	0.05
38.00	0.00	5,481	179.65	0.05
38.10	0.00	5,462	179.64	0.05
38.20	0.00	5,443	179.64	0.05
38.30	0.00	5,425	179.64	0.05
38.40	0.00	5,406	179.64	0.05
38.50	0.00	5,388	179.64	0.05
38.60	0.00	5,370	179.63	0.05
38.70	0.00	5,353	179.63	0.05
38.80	0.00	5,336	179.63	0.05
38.90	0.00	5,318	179.63	0.05
39.00	0.00	5,302	179.63	0.05
39.10	0.00	5,285	179.62	0.05
39.20	0.00	5,269	179.62	0.05
39.30	0.00	5,252	179.62	0.04
39.40	0.00	5,236	179.62	0.04
39.50	0.00	5,221	179.62	0.04
39.60	0.00	5,205	179.61	0.04
39.70	0.00	5,190	179.61	0.04
39.80	0.00	5,175	179.61	0.04
39.90	0.00	5,160	179.61	0.04
40.00	0.00	5,145	179.61	0.04

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 2.73" for Future 2 yr event
Inflow = 8.02 cfs @ 12.08 hrs, Volume= 0.507 af
Outflow = 0.15 cfs @ 17.07 hrs, Volume= 0.293 af, Atten= 98%, Lag= 299.4 min
Primary = 0.15 cfs @ 17.07 hrs, Volume= 0.293 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.37' @ 17.07 hrs Surf.Area= 12,248 sf Storage= 16,833 cf

Plug-Flow detention time= 827.0 min calculated for 0.293 af (58% of inflow)
Center-of-Mass det. time= 710.3 min (1,482.8 - 772.5)

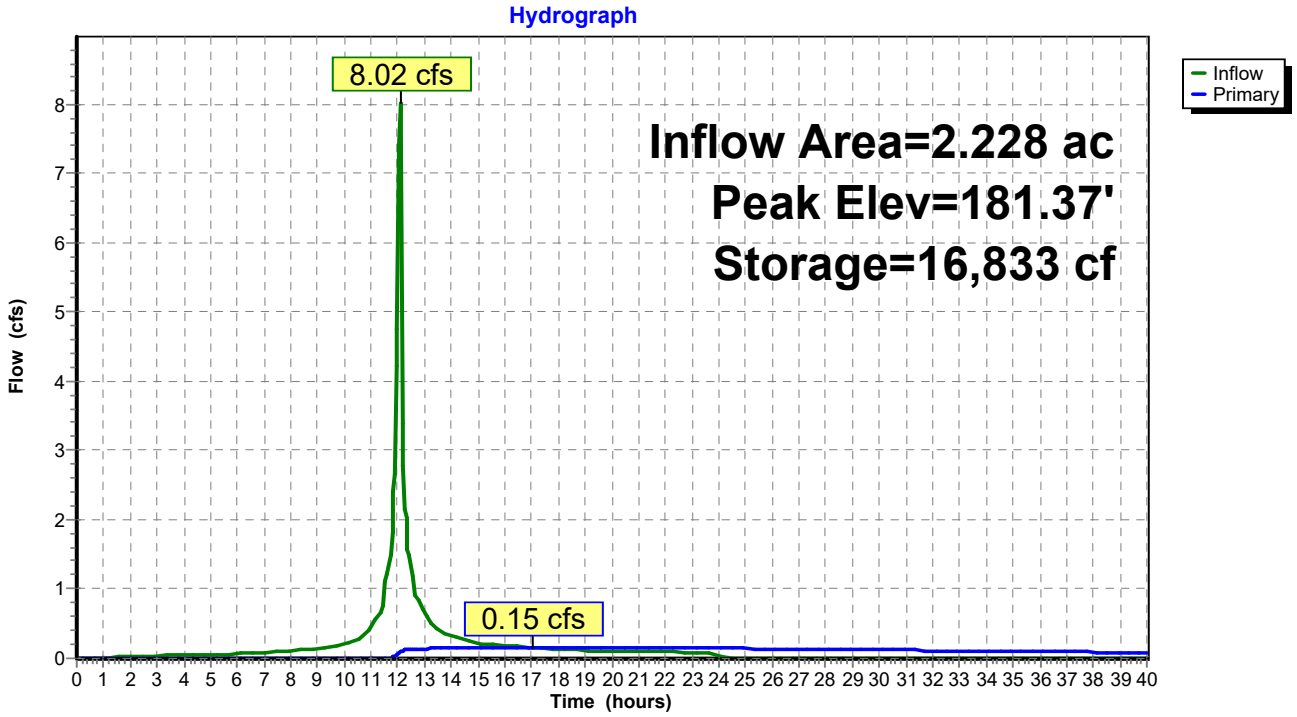
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 17.07 hrs HW=181.37' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 9.84 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.00	0	180.00	0.00
0.50	0.00	0	180.00	0.00
0.60	0.00	0	180.00	0.00
0.70	0.00	0	180.00	0.00
0.80	0.00	0	180.00	0.00
0.90	0.00	0	180.00	0.00
1.00	0.00	0	180.00	0.00
1.10	0.00	0	180.00	0.00
1.20	0.00	2	180.00	0.00
1.30	0.01	4	180.00	0.00
1.40	0.01	7	180.00	0.00
1.50	0.01	10	180.00	0.00
1.60	0.01	15	180.00	0.00
1.70	0.01	20	180.00	0.00
1.80	0.02	25	180.00	0.00
1.90	0.02	32	180.00	0.00
2.00	0.02	39	180.00	0.00
2.10	0.02	46	180.00	0.00
2.20	0.02	54	180.00	0.00
2.30	0.03	63	180.01	0.00
2.40	0.03	72	180.01	0.00
2.50	0.03	82	180.01	0.00
2.60	0.03	93	180.01	0.00
2.70	0.03	104	180.01	0.00
2.80	0.03	115	180.01	0.00
2.90	0.03	127	180.01	0.00
3.00	0.04	140	180.01	0.00
3.10	0.04	152	180.01	0.00
3.20	0.04	166	180.01	0.00
3.30	0.04	180	180.01	0.00
3.40	0.04	194	180.02	0.00
3.50	0.04	209	180.02	0.00
3.60	0.04	224	180.02	0.00
3.70	0.04	240	180.02	0.00
3.80	0.04	256	180.02	0.00
3.90	0.05	272	180.02	0.00
4.00	0.05	289	180.02	0.00
4.10	0.05	306	180.02	0.00
4.20	0.05	324	180.03	0.00
4.30	0.05	342	180.03	0.00
4.40	0.05	360	180.03	0.00
4.50	0.05	379	180.03	0.00
4.60	0.05	398	180.03	0.00
4.70	0.05	417	180.03	0.00
4.80	0.06	437	180.04	0.00
4.90	0.06	457	180.04	0.00
5.00	0.06	477	180.04	0.00
5.10	0.06	498	180.04	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	519	180.04	0.00
5.30	0.06	541	180.04	0.00
5.40	0.06	563	180.05	0.00
5.50	0.06	585	180.05	0.00
5.60	0.06	607	180.05	0.00
5.70	0.06	630	180.05	0.00
5.80	0.06	653	180.05	0.00
5.90	0.07	676	180.06	0.00
6.00	0.07	700	180.06	0.00
6.10	0.07	724	180.06	0.00
6.20	0.07	749	180.06	0.00
6.30	0.07	775	180.06	0.00
6.40	0.07	801	180.07	0.00
6.50	0.08	828	180.07	0.00
6.60	0.08	856	180.07	0.00
6.70	0.08	885	180.07	0.00
6.80	0.08	915	180.07	0.00
6.90	0.09	945	180.08	0.00
7.00	0.09	976	180.08	0.00
7.10	0.09	1,008	180.08	0.00
7.20	0.09	1,041	180.08	0.00
7.30	0.09	1,074	180.09	0.00
7.40	0.10	1,108	180.09	0.00
7.50	0.10	1,143	180.09	0.00
7.60	0.10	1,179	180.10	0.00
7.70	0.10	1,215	180.10	0.00
7.80	0.10	1,253	180.10	0.00
7.90	0.11	1,291	180.11	0.00
8.00	0.11	1,330	180.11	0.00
8.10	0.11	1,369	180.11	0.00
8.20	0.11	1,410	180.12	0.00
8.30	0.12	1,451	180.12	0.00
8.40	0.12	1,493	180.12	0.00
8.50	0.12	1,536	180.13	0.00
8.60	0.12	1,579	180.13	0.00
8.70	0.12	1,624	180.13	0.00
8.80	0.13	1,669	180.14	0.00
8.90	0.13	1,715	180.14	0.00
9.00	0.13	1,762	180.14	0.00
9.10	0.14	1,811	180.15	0.00
9.20	0.15	1,862	180.15	0.00
9.30	0.15	1,917	180.16	0.00
9.40	0.16	1,973	180.16	0.00
9.50	0.17	2,033	180.17	0.00
9.60	0.18	2,095	180.17	0.00
9.70	0.18	2,160	180.18	0.00
9.80	0.19	2,228	180.18	0.00
9.90	0.20	2,299	180.19	0.00
10.00	0.21	2,372	180.19	0.00
10.10	0.21	2,448	180.20	0.00
10.20	0.22	2,528	180.21	0.00
10.30	0.23	2,610	180.21	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.24	2,697	180.22	0.00
10.50	0.26	2,787	180.23	0.00
10.60	0.29	2,886	180.24	0.00
10.70	0.32	2,996	180.24	0.00
10.80	0.35	3,119	180.25	0.00
10.90	0.39	3,253	180.27	0.00
11.00	0.42	3,400	180.28	0.00
11.10	0.49	3,567	180.29	0.00
11.20	0.55	3,757	180.31	0.00
11.30	0.62	3,970	180.32	0.00
11.40	0.69	4,209	180.34	0.00
11.50	0.77	4,471	180.37	0.00
11.60	1.17	4,846	180.40	0.00
11.70	1.29	5,289	180.43	0.00
11.80	1.82	5,872	180.48	0.01
11.90	2.66	6,702	180.55	0.03
12.00	4.76	8,116	180.66	0.06
12.10	**7.54**	10,529	180.86	0.09
12.20	2.77	12,029	180.98	0.11
12.30	2.02	12,804	181.05	0.12
12.40	1.51	13,360	181.09	0.12
12.50	1.41	13,839	181.13	0.13
12.60	0.93	14,182	181.16	0.13
12.70	0.88	14,457	181.18	0.13
12.80	0.80	14,707	181.20	0.14
12.90	0.73	14,928	181.22	0.14
13.00	0.65	15,122	181.23	0.14
13.10	0.58	15,288	181.25	0.14
13.20	0.53	15,434	181.26	0.14
13.30	0.49	15,566	181.27	0.14
13.40	0.45	15,682	181.28	0.14
13.50	0.41	15,783	181.29	0.14
13.60	0.37	15,870	181.30	0.14
13.70	0.36	15,949	181.30	0.14
13.80	0.35	16,023	181.31	0.15
13.90	0.34	16,094	181.31	0.15
14.00	0.33	16,161	181.32	0.15
14.10	0.32	16,223	181.32	0.15
14.20	0.31	16,282	181.33	0.15
14.30	0.30	16,337	181.33	0.15
14.40	0.28	16,387	181.34	0.15
14.50	0.27	16,434	181.34	0.15
14.60	0.26	16,476	181.35	0.15
14.70	0.25	16,515	181.35	0.15
14.80	0.24	16,549	181.35	0.15
14.90	0.23	16,579	181.35	0.15
15.00	0.22	16,606	181.36	0.15
15.10	0.21	16,628	181.36	0.15
15.20	0.21	16,649	181.36	0.15
15.30	0.20	16,668	181.36	0.15
15.40	0.20	16,686	181.36	0.15
15.50	0.20	16,703	181.36	0.15

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	16,719	181.37	0.15
15.70	0.19	16,734	181.37	0.15
15.80	0.19	16,748	181.37	0.15
15.90	0.19	16,761	181.37	0.15
16.00	0.18	16,773	181.37	0.15
16.10	0.18	16,784	181.37	0.15
16.20	0.18	16,793	181.37	0.15
16.30	0.17	16,802	181.37	0.15
16.40	0.17	16,810	181.37	0.15
16.50	0.17	16,816	181.37	0.15
16.60	0.17	16,821	181.37	0.15
16.70	0.16	16,826	181.37	0.15
16.80	0.16	16,829	181.37	0.15
16.90	0.16	16,831	181.37	0.15
17.00	0.15	**16,832**	**181.37**	**0.15**
17.10	0.15	**16,833**	**181.37**	**0.15**
17.20	0.15	16,832	181.37	0.15
17.30	0.14	16,830	181.37	0.15
17.40	0.14	16,826	181.37	0.15
17.50	0.14	16,822	181.37	0.15
17.60	0.14	16,817	181.37	0.15
17.70	0.13	16,811	181.37	0.15
17.80	0.13	16,804	181.37	0.15
17.90	0.13	16,796	181.37	0.15
18.00	0.12	16,786	181.37	0.15
18.10	0.12	16,776	181.37	0.15
18.20	0.12	16,765	181.37	0.15
18.30	0.12	16,754	181.37	0.15
18.40	0.12	16,743	181.37	0.15
18.50	0.12	16,731	181.37	0.15
18.60	0.12	16,720	181.37	0.15
18.70	0.12	16,708	181.36	0.15
18.80	0.12	16,696	181.36	0.15
18.90	0.12	16,683	181.36	0.15
19.00	0.11	16,670	181.36	0.15
19.10	0.11	16,658	181.36	0.15
19.20	0.11	16,645	181.36	0.15
19.30	0.11	16,631	181.36	0.15
19.40	0.11	16,618	181.36	0.15
19.50	0.11	16,604	181.36	0.15
19.60	0.11	16,590	181.35	0.15
19.70	0.11	16,576	181.35	0.15
19.80	0.11	16,561	181.35	0.15
19.90	0.11	16,547	181.35	0.15
20.00	0.11	16,532	181.35	0.15
20.10	0.11	16,517	181.35	0.15
20.20	0.11	16,501	181.35	0.15
20.30	0.11	16,486	181.35	0.15
20.40	0.10	16,470	181.34	0.15
20.50	0.10	16,454	181.34	0.15
20.60	0.10	16,438	181.34	0.15
20.70	0.10	16,422	181.34	0.15

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	16,405	181.34	0.15
20.90	0.10	16,388	181.34	0.15
21.00	0.10	16,371	181.34	0.15
21.10	0.10	16,354	181.34	0.15
21.20	0.10	16,336	181.33	0.15
21.30	0.10	16,318	181.33	0.15
21.40	0.10	16,301	181.33	0.15
21.50	0.10	16,282	181.33	0.15
21.60	0.10	16,264	181.33	0.15
21.70	0.10	16,245	181.33	0.15
21.80	0.09	16,227	181.32	0.15
21.90	0.09	16,208	181.32	0.15
22.00	0.09	16,188	181.32	0.15
22.10	0.09	16,169	181.32	0.15
22.20	0.09	16,149	181.32	0.15
22.30	0.09	16,129	181.32	0.15
22.40	0.09	16,109	181.32	0.15
22.50	0.09	16,089	181.31	0.15
22.60	0.09	16,069	181.31	0.15
22.70	0.09	16,048	181.31	0.15
22.80	0.09	16,027	181.31	0.15
22.90	0.09	16,006	181.31	0.15
23.00	0.09	15,984	181.31	0.15
23.10	0.08	15,963	181.30	0.14
23.20	0.08	15,941	181.30	0.14
23.30	0.08	15,919	181.30	0.14
23.40	0.08	15,897	181.30	0.14
23.50	0.08	15,874	181.30	0.14
23.60	0.08	15,852	181.29	0.14
23.70	0.08	15,829	181.29	0.14
23.80	0.08	15,806	181.29	0.14
23.90	0.08	15,783	181.29	0.14
24.00	0.09	15,764	181.29	0.14
24.10	0.00	15,722	181.28	0.14
24.20	0.00	15,671	181.28	0.14
24.30	0.00	15,620	181.28	0.14
24.40	0.00	15,569	181.27	0.14
24.50	0.00	15,518	181.27	0.14
24.60	0.00	15,467	181.26	0.14
24.70	0.00	15,416	181.26	0.14
24.80	0.00	15,365	181.25	0.14
24.90	0.00	15,315	181.25	0.14
25.00	0.00	15,265	181.25	0.14
25.10	0.00	15,215	181.24	0.14
25.20	0.00	15,165	181.24	0.14
25.30	0.00	15,115	181.23	0.14
25.40	0.00	15,065	181.23	0.14
25.50	0.00	15,016	181.23	0.14
25.60	0.00	14,966	181.22	0.14
25.70	0.00	14,917	181.22	0.14
25.80	0.00	14,868	181.21	0.14
25.90	0.00	14,819	181.21	0.14

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	14,770	181.21	0.14
26.10	0.00	14,721	181.20	0.14
26.20	0.00	14,673	181.20	0.13
26.30	0.00	14,624	181.19	0.13
26.40	0.00	14,576	181.19	0.13
26.50	0.00	14,528	181.19	0.13
26.60	0.00	14,480	181.18	0.13
26.70	0.00	14,432	181.18	0.13
26.80	0.00	14,384	181.17	0.13
26.90	0.00	14,337	181.17	0.13
27.00	0.00	14,289	181.17	0.13
27.10	0.00	14,242	181.16	0.13
27.20	0.00	14,195	181.16	0.13
27.30	0.00	14,148	181.16	0.13
27.40	0.00	14,101	181.15	0.13
27.50	0.00	14,054	181.15	0.13
27.60	0.00	14,008	181.14	0.13
27.70	0.00	13,961	181.14	0.13
27.80	0.00	13,915	181.14	0.13
27.90	0.00	13,869	181.13	0.13
28.00	0.00	13,823	181.13	0.13
28.10	0.00	13,777	181.12	0.13
28.20	0.00	13,731	181.12	0.13
28.30	0.00	13,686	181.12	0.13
28.40	0.00	13,640	181.11	0.13
28.50	0.00	13,595	181.11	0.13
28.60	0.00	13,550	181.11	0.13
28.70	0.00	13,505	181.10	0.12
28.80	0.00	13,460	181.10	0.12
28.90	0.00	13,415	181.10	0.12
29.00	0.00	13,371	181.09	0.12
29.10	0.00	13,326	181.09	0.12
29.20	0.00	13,282	181.08	0.12
29.30	0.00	13,238	181.08	0.12
29.40	0.00	13,194	181.08	0.12
29.50	0.00	13,150	181.07	0.12
29.60	0.00	13,106	181.07	0.12
29.70	0.00	13,063	181.07	0.12
29.80	0.00	13,019	181.06	0.12
29.90	0.00	12,976	181.06	0.12
30.00	0.00	12,933	181.06	0.12
30.10	0.00	12,890	181.05	0.12
30.20	0.00	12,847	181.05	0.12
30.30	0.00	12,804	181.05	0.12
30.40	0.00	12,762	181.04	0.12
30.50	0.00	12,719	181.04	0.12
30.60	0.00	12,677	181.04	0.12
30.70	0.00	12,635	181.03	0.12
30.80	0.00	12,593	181.03	0.12
30.90	0.00	12,551	181.02	0.12
31.00	0.00	12,509	181.02	0.12
31.10	0.00	12,467	181.02	0.12

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	12,426	181.01	0.11
31.30	0.00	12,385	181.01	0.11
31.40	0.00	12,344	181.01	0.11
31.50	0.00	12,303	181.00	0.11
31.60	0.00	12,262	181.00	0.11
31.70	0.00	12,221	181.00	0.11
31.80	0.00	12,180	180.99	0.11
31.90	0.00	12,140	180.99	0.11
32.00	0.00	12,100	180.99	0.11
32.10	0.00	12,059	180.98	0.11
32.20	0.00	12,019	180.98	0.11
32.30	0.00	11,980	180.98	0.11
32.40	0.00	11,940	180.97	0.11
32.50	0.00	11,900	180.97	0.11
32.60	0.00	11,861	180.97	0.11
32.70	0.00	11,821	180.97	0.11
32.80	0.00	11,782	180.96	0.11
32.90	0.00	11,743	180.96	0.11
33.00	0.00	11,704	180.96	0.11
33.10	0.00	11,666	180.95	0.11
33.20	0.00	11,627	180.95	0.11
33.30	0.00	11,589	180.95	0.11
33.40	0.00	11,550	180.94	0.11
33.50	0.00	11,512	180.94	0.11
33.60	0.00	11,474	180.94	0.11
33.70	0.00	11,436	180.93	0.10
33.80	0.00	11,399	180.93	0.10
33.90	0.00	11,361	180.93	0.10
34.00	0.00	11,324	180.92	0.10
34.10	0.00	11,286	180.92	0.10
34.20	0.00	11,249	180.92	0.10
34.30	0.00	11,212	180.92	0.10
34.40	0.00	11,175	180.91	0.10
34.50	0.00	11,139	180.91	0.10
34.60	0.00	11,102	180.91	0.10
34.70	0.00	11,066	180.90	0.10
34.80	0.00	11,029	180.90	0.10
34.90	0.00	10,993	180.90	0.10
35.00	0.00	10,957	180.89	0.10
35.10	0.00	10,921	180.89	0.10
35.20	0.00	10,885	180.89	0.10
35.30	0.00	10,850	180.89	0.10
35.40	0.00	10,814	180.88	0.10
35.50	0.00	10,779	180.88	0.10
35.60	0.00	10,744	180.88	0.10
35.70	0.00	10,709	180.87	0.10
35.80	0.00	10,674	180.87	0.10
35.90	0.00	10,639	180.87	0.10
36.00	0.00	10,605	180.87	0.10
36.10	0.00	10,570	180.86	0.10
36.20	0.00	10,536	180.86	0.10
36.30	0.00	10,502	180.86	0.09

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,468	180.85	0.09
36.50	0.00	10,434	180.85	0.09
36.60	0.00	10,400	180.85	0.09
36.70	0.00	10,367	180.85	0.09
36.80	0.00	10,333	180.84	0.09
36.90	0.00	10,300	180.84	0.09
37.00	0.00	10,267	180.84	0.09
37.10	0.00	10,234	180.84	0.09
37.20	0.00	10,201	180.83	0.09
37.30	0.00	10,168	180.83	0.09
37.40	0.00	10,135	180.83	0.09
37.50	0.00	10,103	180.82	0.09
37.60	0.00	10,071	180.82	0.09
37.70	0.00	10,039	180.82	0.09
37.80	0.00	10,007	180.82	0.09
37.90	0.00	9,975	180.81	0.09
38.00	0.00	9,943	180.81	0.09
38.10	0.00	9,911	180.81	0.09
38.20	0.00	9,880	180.81	0.09
38.30	0.00	9,849	180.80	0.09
38.40	0.00	9,817	180.80	0.09
38.50	0.00	9,786	180.80	0.09
38.60	0.00	9,756	180.80	0.09
38.70	0.00	9,725	180.79	0.09
38.80	0.00	9,694	180.79	0.08
38.90	0.00	9,664	180.79	0.08
39.00	0.00	9,634	180.79	0.08
39.10	0.00	9,603	180.78	0.08
39.20	0.00	9,573	180.78	0.08
39.30	0.00	9,543	180.78	0.08
39.40	0.00	9,514	180.78	0.08
39.50	0.00	9,484	180.77	0.08
39.60	0.00	9,455	180.77	0.08
39.70	0.00	9,425	180.77	0.08
39.80	0.00	9,396	180.77	0.08
39.90	0.00	9,367	180.76	0.08
40.00	0.00	9,338	180.76	0.08

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 2.44" for Future 2 yr event
Inflow = 7.75 cfs @ 12.09 hrs, Volume= 0.493 af
Outflow = 0.91 cfs @ 12.67 hrs, Volume= 0.374 af, Atten= 88%, Lag= 34.9 min
Primary = 0.91 cfs @ 12.67 hrs, Volume= 0.374 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.15' @ 12.67 hrs Surf.Area= 5,928 sf Storage= 12,720 cf

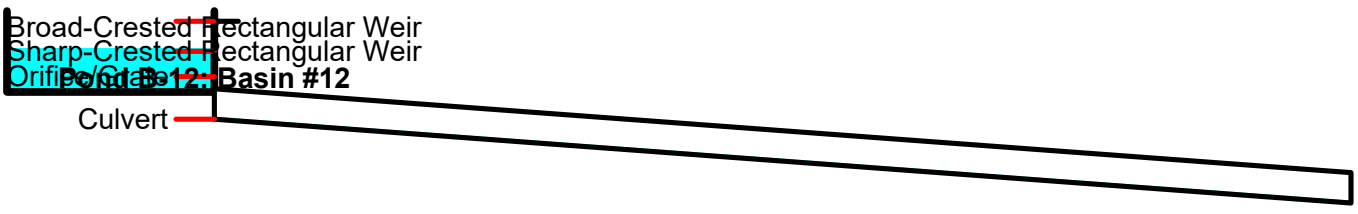
Plug-Flow detention time= 554.8 min calculated for 0.373 af (76% of inflow)
Center-of-Mass det. time= 463.7 min (1,248.4 - 784.7)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

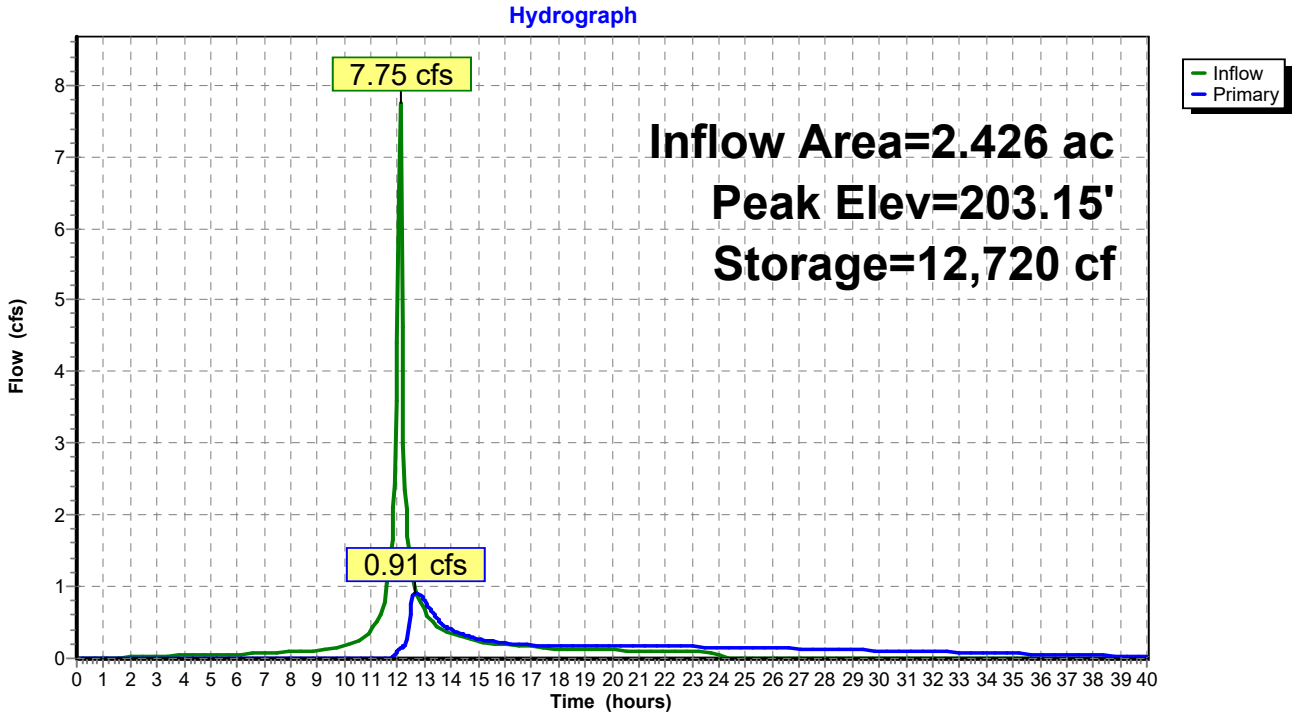
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.91 cfs @ 12.67 hrs HW=203.15' (Free Discharge)
- **1=Culvert** (Passes 0.91 cfs of 14.10 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.47 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.72 cfs @ 1.25 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.00	0	201.00	0.00
0.50	0.00	0	201.00	0.00
0.60	0.00	0	201.00	0.00
0.70	0.00	0	201.00	0.00
0.80	0.00	0	201.00	0.00
0.90	0.00	0	201.00	0.00
1.00	0.00	0	201.00	0.00
1.10	0.00	0	201.00	0.00
1.20	0.00	1	201.00	0.00
1.30	0.01	3	201.00	0.00
1.40	0.01	5	201.00	0.00
1.50	0.01	8	201.00	0.00
1.60	0.01	11	201.00	0.00
1.70	0.01	15	201.00	0.00
1.80	0.01	20	201.00	0.00
1.90	0.02	25	201.00	0.00
2.00	0.02	31	201.01	0.00
2.10	0.02	37	201.01	0.00
2.20	0.02	44	201.01	0.00
2.30	0.02	51	201.01	0.00
2.40	0.02	58	201.01	0.00
2.50	0.02	67	201.01	0.00
2.60	0.02	75	201.01	0.00
2.70	0.03	84	201.01	0.00
2.80	0.03	94	201.02	0.00
2.90	0.03	104	201.02	0.00
3.00	0.03	114	201.02	0.00
3.10	0.03	124	201.02	0.00
3.20	0.03	136	201.02	0.00
3.30	0.03	147	201.02	0.00
3.40	0.03	159	201.03	0.00
3.50	0.03	171	201.03	0.00
3.60	0.04	184	201.03	0.00
3.70	0.04	196	201.03	0.00
3.80	0.04	210	201.04	0.00
3.90	0.04	223	201.04	0.00
4.00	0.04	237	201.04	0.00
4.10	0.04	251	201.04	0.00
4.20	0.04	266	201.04	0.00
4.30	0.04	281	201.05	0.00
4.40	0.04	296	201.05	0.00
4.50	0.04	312	201.05	0.00
4.60	0.04	328	201.06	0.00
4.70	0.05	344	201.06	0.00
4.80	0.05	360	201.06	0.00
4.90	0.05	377	201.06	0.00
5.00	0.05	394	201.07	0.00
5.10	0.05	411	201.07	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	428	201.07	0.00
5.30	0.05	446	201.08	0.00
5.40	0.05	464	201.08	0.00
5.50	0.05	483	201.08	0.00
5.60	0.05	501	201.08	0.00
5.70	0.05	520	201.09	0.00
5.80	0.05	539	201.09	0.00
5.90	0.05	559	201.09	0.00
6.00	0.05	578	201.10	0.00
6.10	0.06	598	201.10	0.00
6.20	0.06	619	201.10	0.00
6.30	0.06	640	201.11	0.00
6.40	0.06	662	201.11	0.00
6.50	0.06	685	201.12	0.00
6.60	0.07	708	201.12	0.00
6.70	0.07	732	201.12	0.00
6.80	0.07	756	201.13	0.00
6.90	0.07	781	201.13	0.00
7.00	0.07	807	201.14	0.00
7.10	0.07	833	201.14	0.00
7.20	0.08	860	201.15	0.00
7.30	0.08	888	201.15	0.00
7.40	0.08	916	201.15	0.00
7.50	0.08	945	201.16	0.00
7.60	0.08	975	201.16	0.00
7.70	0.09	1,005	201.17	0.00
7.80	0.09	1,036	201.17	0.00
7.90	0.09	1,067	201.18	0.00
8.00	0.09	1,100	201.19	0.00
8.10	0.09	1,133	201.19	0.00
8.20	0.09	1,166	201.20	0.00
8.30	0.10	1,200	201.20	0.00
8.40	0.10	1,235	201.21	0.00
8.50	0.10	1,271	201.21	0.00
8.60	0.10	1,307	201.22	0.00
8.70	0.10	1,344	201.23	0.00
8.80	0.10	1,381	201.23	0.00
8.90	0.11	1,419	201.24	0.00
9.00	0.11	1,458	201.25	0.00
9.10	0.11	1,498	201.25	0.00
9.20	0.12	1,541	201.26	0.00
9.30	0.13	1,586	201.27	0.00
9.40	0.13	1,632	201.28	0.00
9.50	0.14	1,682	201.28	0.00
9.60	0.15	1,733	201.29	0.00
9.70	0.15	1,787	201.30	0.00
9.80	0.16	1,842	201.31	0.00
9.90	0.16	1,901	201.32	0.00
10.00	0.17	1,961	201.33	0.00
10.10	0.18	2,024	201.34	0.00
10.20	0.19	2,090	201.35	0.00
10.30	0.20	2,159	201.36	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.21	2,232	201.38	0.00
10.50	0.22	2,308	201.39	0.00
10.60	0.24	2,391	201.40	0.00
10.70	0.27	2,484	201.42	0.00
10.80	0.30	2,588	201.44	0.00
10.90	0.33	2,703	201.46	0.00
11.00	0.37	2,829	201.48	0.00
11.10	0.42	2,973	201.50	0.00
11.20	0.49	3,137	201.53	0.00
11.30	0.55	3,324	201.56	0.00
11.40	0.62	3,535	201.60	0.00
11.50	0.68	3,768	201.64	0.00
11.60	1.06	4,088	201.69	0.00
11.70	1.17	4,492	201.76	0.00
11.80	1.65	5,006	201.84	0.02
11.90	2.42	5,738	201.97	0.06
12.00	4.40	6,972	202.18	0.09
12.10	**7.64**	9,187	202.55	0.14
12.20	2.99	10,921	202.84	0.16
12.30	2.09	11,741	202.98	0.17
12.40	1.55	12,276	203.07	0.43
12.50	1.46	12,598	203.13	0.76
12.60	0.97	**12,714**	**203.14**	**0.91**
12.70	0.90	**12,719**	**203.15**	**0.91**
12.80	0.82	12,702	203.14	0.89
12.90	0.75	12,668	203.14	0.85
13.00	0.67	12,625	203.13	0.80
13.10	0.59	12,574	203.12	0.73
13.20	0.55	12,524	203.11	0.68
13.30	0.51	12,478	203.10	0.63
13.40	0.47	12,433	203.10	0.58
13.50	0.42	12,390	203.09	0.54
13.60	0.38	12,348	203.08	0.49
13.70	0.37	12,311	203.08	0.46
13.80	0.36	12,281	203.07	0.44
13.90	0.35	12,255	203.07	0.42
14.00	0.34	12,232	203.06	0.40
14.10	0.33	12,212	203.06	0.38
14.20	0.32	12,193	203.06	0.36
14.30	0.30	12,176	203.05	0.35
14.40	0.29	12,160	203.05	0.34
14.50	0.28	12,144	203.05	0.32
14.60	0.27	12,129	203.05	0.31
14.70	0.26	12,114	203.04	0.30
14.80	0.25	12,099	203.04	0.29
14.90	0.24	12,085	203.04	0.28
15.00	0.23	12,069	203.04	0.27
15.10	0.22	12,051	203.03	0.26
15.20	0.21	12,035	203.03	0.26
15.30	0.21	12,019	203.03	0.25
15.40	0.21	12,005	203.03	0.24
15.50	0.20	11,993	203.02	0.24

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.20	11,981	203.02	0.23
15.70	0.20	11,970	203.02	0.23
15.80	0.19	11,959	203.02	0.22
15.90	0.19	11,950	203.02	0.22
16.00	0.19	11,940	203.01	0.21
16.10	0.19	11,931	203.01	0.21
16.20	0.18	11,923	203.01	0.21
16.30	0.18	11,915	203.01	0.20
16.40	0.18	11,907	203.01	0.20
16.50	0.17	11,899	203.01	0.20
16.60	0.17	11,891	203.01	0.19
16.70	0.17	11,884	203.00	0.19
16.80	0.16	11,877	203.00	0.19
16.90	0.16	11,870	203.00	0.18
17.00	0.16	11,863	203.00	0.18
17.10	0.16	11,856	203.00	0.18
17.20	0.15	11,848	203.00	0.18
17.30	0.15	11,839	203.00	0.18
17.40	0.15	11,829	203.00	0.18
17.50	0.14	11,819	202.99	0.18
17.60	0.14	11,807	202.99	0.18
17.70	0.14	11,794	202.99	0.17
17.80	0.14	11,780	202.99	0.17
17.90	0.13	11,765	202.98	0.17
18.00	0.13	11,749	202.98	0.17
18.10	0.13	11,733	202.98	0.17
18.20	0.13	11,715	202.98	0.17
18.30	0.12	11,697	202.97	0.17
18.40	0.12	11,680	202.97	0.17
18.50	0.12	11,662	202.97	0.17
18.60	0.12	11,643	202.96	0.17
18.70	0.12	11,625	202.96	0.17
18.80	0.12	11,606	202.96	0.17
18.90	0.12	11,588	202.95	0.17
19.00	0.12	11,569	202.95	0.17
19.10	0.12	11,550	202.95	0.17
19.20	0.12	11,530	202.95	0.17
19.30	0.12	11,511	202.94	0.17
19.40	0.12	11,491	202.94	0.17
19.50	0.12	11,472	202.94	0.17
19.60	0.11	11,452	202.93	0.17
19.70	0.11	11,432	202.93	0.17
19.80	0.11	11,411	202.93	0.17
19.90	0.11	11,391	202.92	0.17
20.00	0.11	11,370	202.92	0.17
20.10	0.11	11,350	202.91	0.17
20.20	0.11	11,329	202.91	0.17
20.30	0.11	11,307	202.91	0.17
20.40	0.11	11,286	202.90	0.17
20.50	0.11	11,265	202.90	0.17
20.60	0.11	11,243	202.90	0.17
20.70	0.11	11,221	202.89	0.17

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	11,199	202.89	0.17
20.90	0.11	11,177	202.89	0.17
21.00	0.10	11,155	202.88	0.17
21.10	0.10	11,133	202.88	0.17
21.20	0.10	11,110	202.87	0.17
21.30	0.10	11,087	202.87	0.17
21.40	0.10	11,064	202.87	0.17
21.50	0.10	11,041	202.86	0.16
21.60	0.10	11,018	202.86	0.16
21.70	0.10	10,995	202.85	0.16
21.80	0.10	10,971	202.85	0.16
21.90	0.10	10,948	202.85	0.16
22.00	0.10	10,924	202.84	0.16
22.10	0.10	10,900	202.84	0.16
22.20	0.10	10,876	202.83	0.16
22.30	0.09	10,851	202.83	0.16
22.40	0.09	10,827	202.83	0.16
22.50	0.09	10,802	202.82	0.16
22.60	0.09	10,777	202.82	0.16
22.70	0.09	10,753	202.81	0.16
22.80	0.09	10,727	202.81	0.16
22.90	0.09	10,702	202.81	0.16
23.00	0.09	10,677	202.80	0.16
23.10	0.09	10,651	202.80	0.16
23.20	0.09	10,626	202.79	0.16
23.30	0.09	10,600	202.79	0.16
23.40	0.09	10,574	202.78	0.16
23.50	0.09	10,548	202.78	0.16
23.60	0.08	10,522	202.77	0.16
23.70	0.08	10,495	202.77	0.16
23.80	0.08	10,469	202.77	0.16
23.90	0.08	10,442	202.76	0.16
24.00	0.10	10,419	202.76	0.16
24.10	0.00	10,378	202.75	0.16
24.20	0.00	10,323	202.74	0.15
24.30	0.00	10,267	202.73	0.15
24.40	0.00	10,212	202.72	0.15
24.50	0.00	10,157	202.71	0.15
24.60	0.00	10,103	202.70	0.15
24.70	0.00	10,048	202.70	0.15
24.80	0.00	9,994	202.69	0.15
24.90	0.00	9,941	202.68	0.15
25.00	0.00	9,887	202.67	0.15
25.10	0.00	9,834	202.66	0.15
25.20	0.00	9,781	202.65	0.15
25.30	0.00	9,729	202.64	0.15
25.40	0.00	9,676	202.63	0.14
25.50	0.00	9,624	202.62	0.14
25.60	0.00	9,573	202.61	0.14
25.70	0.00	9,521	202.61	0.14
25.80	0.00	9,470	202.60	0.14
25.90	0.00	9,419	202.59	0.14

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,369	202.58	0.14
26.10	0.00	9,319	202.57	0.14
26.20	0.00	9,269	202.56	0.14
26.30	0.00	9,219	202.56	0.14
26.40	0.00	9,170	202.55	0.14
26.50	0.00	9,121	202.54	0.14
26.60	0.00	9,072	202.53	0.13
26.70	0.00	9,024	202.52	0.13
26.80	0.00	8,975	202.51	0.13
26.90	0.00	8,928	202.51	0.13
27.00	0.00	8,880	202.50	0.13
27.10	0.00	8,833	202.49	0.13
27.20	0.00	8,786	202.48	0.13
27.30	0.00	8,739	202.47	0.13
27.40	0.00	8,693	202.47	0.13
27.50	0.00	8,647	202.46	0.13
27.60	0.00	8,601	202.45	0.13
27.70	0.00	8,555	202.44	0.13
27.80	0.00	8,510	202.44	0.13
27.90	0.00	8,465	202.43	0.12
28.00	0.00	8,421	202.42	0.12
28.10	0.00	8,376	202.41	0.12
28.20	0.00	8,332	202.41	0.12
28.30	0.00	8,289	202.40	0.12
28.40	0.00	8,245	202.39	0.12
28.50	0.00	8,202	202.38	0.12
28.60	0.00	8,159	202.38	0.12
28.70	0.00	8,117	202.37	0.12
28.80	0.00	8,074	202.36	0.12
28.90	0.00	8,032	202.36	0.12
29.00	0.00	7,991	202.35	0.12
29.10	0.00	7,949	202.34	0.11
29.20	0.00	7,908	202.33	0.11
29.30	0.00	7,868	202.33	0.11
29.40	0.00	7,827	202.32	0.11
29.50	0.00	7,787	202.31	0.11
29.60	0.00	7,747	202.31	0.11
29.70	0.00	7,707	202.30	0.11
29.80	0.00	7,668	202.29	0.11
29.90	0.00	7,629	202.29	0.11
30.00	0.00	7,590	202.28	0.11
30.10	0.00	7,552	202.27	0.11
30.20	0.00	7,514	202.27	0.11
30.30	0.00	7,476	202.26	0.10
30.40	0.00	7,438	202.25	0.10
30.50	0.00	7,401	202.25	0.10
30.60	0.00	7,364	202.24	0.10
30.70	0.00	7,328	202.24	0.10
30.80	0.00	7,291	202.23	0.10
30.90	0.00	7,255	202.22	0.10
31.00	0.00	7,219	202.22	0.10
31.10	0.00	7,184	202.21	0.10

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,149	202.21	0.10
31.30	0.00	7,114	202.20	0.10
31.40	0.00	7,079	202.19	0.10
31.50	0.00	7,045	202.19	0.09
31.60	0.00	7,011	202.18	0.09
31.70	0.00	6,977	202.18	0.09
31.80	0.00	6,944	202.17	0.09
31.90	0.00	6,911	202.17	0.09
32.00	0.00	6,878	202.16	0.09
32.10	0.00	6,845	202.15	0.09
32.20	0.00	6,813	202.15	0.09
32.30	0.00	6,781	202.14	0.09
32.40	0.00	6,749	202.14	0.09
32.50	0.00	6,718	202.13	0.09
32.60	0.00	6,687	202.13	0.09
32.70	0.00	6,656	202.12	0.09
32.80	0.00	6,626	202.12	0.08
32.90	0.00	6,596	202.11	0.08
33.00	0.00	6,566	202.11	0.08
33.10	0.00	6,536	202.10	0.08
33.20	0.00	6,507	202.10	0.08
33.30	0.00	6,478	202.09	0.08
33.40	0.00	6,449	202.09	0.08
33.50	0.00	6,421	202.08	0.08
33.60	0.00	6,393	202.08	0.08
33.70	0.00	6,365	202.07	0.08
33.80	0.00	6,337	202.07	0.08
33.90	0.00	6,310	202.06	0.08
34.00	0.00	6,283	202.06	0.07
34.10	0.00	6,257	202.06	0.07
34.20	0.00	6,230	202.05	0.07
34.30	0.00	6,204	202.05	0.07
34.40	0.00	6,178	202.04	0.07
34.50	0.00	6,153	202.04	0.07
34.60	0.00	6,128	202.03	0.07
34.70	0.00	6,103	202.03	0.07
34.80	0.00	6,078	202.03	0.07
34.90	0.00	6,054	202.02	0.07
35.00	0.00	6,030	202.02	0.07
35.10	0.00	6,007	202.01	0.07
35.20	0.00	5,983	202.01	0.06
35.30	0.00	5,960	202.01	0.06
35.40	0.00	5,937	202.00	0.06
35.50	0.00	5,915	202.00	0.06
35.60	0.00	5,892	201.99	0.06
35.70	0.00	5,871	201.99	0.06
35.80	0.00	5,849	201.99	0.06
35.90	0.00	5,828	201.98	0.06
36.00	0.00	5,807	201.98	0.06
36.10	0.00	5,786	201.98	0.06
36.20	0.00	5,766	201.97	0.06
36.30	0.00	5,745	201.97	0.06

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,726	201.97	0.05
36.50	0.00	5,706	201.96	0.05
36.60	0.00	5,687	201.96	0.05
36.70	0.00	5,668	201.96	0.05
36.80	0.00	5,649	201.95	0.05
36.90	0.00	5,631	201.95	0.05
37.00	0.00	5,613	201.95	0.05
37.10	0.00	5,595	201.94	0.05
37.20	0.00	5,578	201.94	0.05
37.30	0.00	5,561	201.94	0.05
37.40	0.00	5,544	201.94	0.05
37.50	0.00	5,527	201.93	0.05
37.60	0.00	5,511	201.93	0.04
37.70	0.00	5,495	201.93	0.04
37.80	0.00	5,480	201.92	0.04
37.90	0.00	5,464	201.92	0.04
38.00	0.00	5,449	201.92	0.04
38.10	0.00	5,434	201.92	0.04
38.20	0.00	5,420	201.91	0.04
38.30	0.00	5,406	201.91	0.04
38.40	0.00	5,392	201.91	0.04
38.50	0.00	5,378	201.91	0.04
38.60	0.00	5,365	201.91	0.04
38.70	0.00	5,352	201.90	0.04
38.80	0.00	5,339	201.90	0.03
38.90	0.00	5,327	201.90	0.03
39.00	0.00	5,315	201.90	0.03
39.10	0.00	5,303	201.89	0.03
39.20	0.00	5,291	201.89	0.03
39.30	0.00	5,280	201.89	0.03
39.40	0.00	5,269	201.89	0.03
39.50	0.00	5,258	201.89	0.03
39.60	0.00	5,247	201.89	0.03
39.70	0.00	5,237	201.88	0.03
39.80	0.00	5,226	201.88	0.03
39.90	0.00	5,216	201.88	0.03
40.00	0.00	5,207	201.88	0.03

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0	201.52	5,928	3,083
201.01	5,928	59	201.53	5,928	3,142
201.02	5,928	119	201.54	5,928	3,201
201.03	5,928	178	201.55	5,928	3,260
201.04	5,928	237	201.56	5,928	3,320
201.05	5,928	296	201.57	5,928	3,379
201.06	5,928	356	201.58	5,928	3,438
201.07	5,928	415	201.59	5,928	3,498
201.08	5,928	474	201.60	5,928	3,557
201.09	5,928	534	201.61	5,928	3,616
201.10	5,928	593	201.62	5,928	3,675
201.11	5,928	652	201.63	5,928	3,735
201.12	5,928	711	201.64	5,928	3,794
201.13	5,928	771	201.65	5,928	3,853
201.14	5,928	830	201.66	5,928	3,912
201.15	5,928	889	201.67	5,928	3,972
201.16	5,928	948	201.68	5,928	4,031
201.17	5,928	1,008	201.69	5,928	4,090
201.18	5,928	1,067	201.70	5,928	4,150
201.19	5,928	1,126	201.71	5,928	4,209
201.20	5,928	1,186	201.72	5,928	4,268
201.21	5,928	1,245	201.73	5,928	4,327
201.22	5,928	1,304	201.74	5,928	4,387
201.23	5,928	1,363	201.75	5,928	4,446
201.24	5,928	1,423	201.76	5,928	4,505
201.25	5,928	1,482	201.77	5,928	4,565
201.26	5,928	1,541	201.78	5,928	4,624
201.27	5,928	1,601	201.79	5,928	4,683
201.28	5,928	1,660	201.80	5,928	4,742
201.29	5,928	1,719	201.81	5,928	4,802
201.30	5,928	1,778	201.82	5,928	4,861
201.31	5,928	1,838	201.83	5,928	4,920
201.32	5,928	1,897	201.84	5,928	4,980
201.33	5,928	1,956	201.85	5,928	5,039
201.34	5,928	2,016	201.86	5,928	5,098
201.35	5,928	2,075	201.87	5,928	5,157
201.36	5,928	2,134	201.88	5,928	5,217
201.37	5,928	2,193	201.89	5,928	5,276
201.38	5,928	2,253	201.90	5,928	5,335
201.39	5,928	2,312	201.91	5,928	5,394
201.40	5,928	2,371	201.92	5,928	5,454
201.41	5,928	2,430	201.93	5,928	5,513
201.42	5,928	2,490	201.94	5,928	5,572
201.43	5,928	2,549	201.95	5,928	5,632
201.44	5,928	2,608	201.96	5,928	5,691
201.45	5,928	2,668	201.97	5,928	5,750
201.46	5,928	2,727	201.98	5,928	5,809
201.47	5,928	2,786	201.99	5,928	5,869
201.48	5,928	2,845	202.00	5,928	5,928
201.49	5,928	2,905	202.01	5,928	5,987
201.50	5,928	2,964	202.02	5,928	6,047
201.51	5,928	3,023	202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 2.82" for Future 2 yr event
Inflow = 7.33 cfs @ 12.11 hrs, Volume= 0.551 af
Outflow = 0.17 cfs @ 16.96 hrs, Volume= 0.322 af, Atten= 98%, Lag= 290.5 min
Primary = 0.17 cfs @ 16.96 hrs, Volume= 0.322 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.66' @ 16.96 hrs Surf.Area= 10,996 sf Storage= 18,276 cf

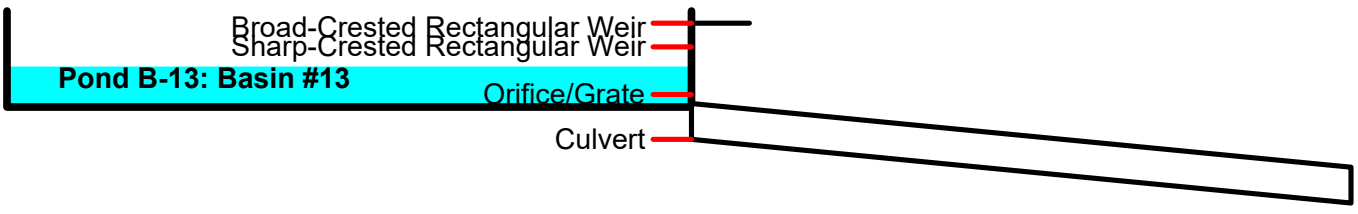
Plug-Flow detention time= 824.9 min calculated for 0.322 af (58% of inflow)
Center-of-Mass det. time= 709.2 min (1,482.4 - 773.2)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

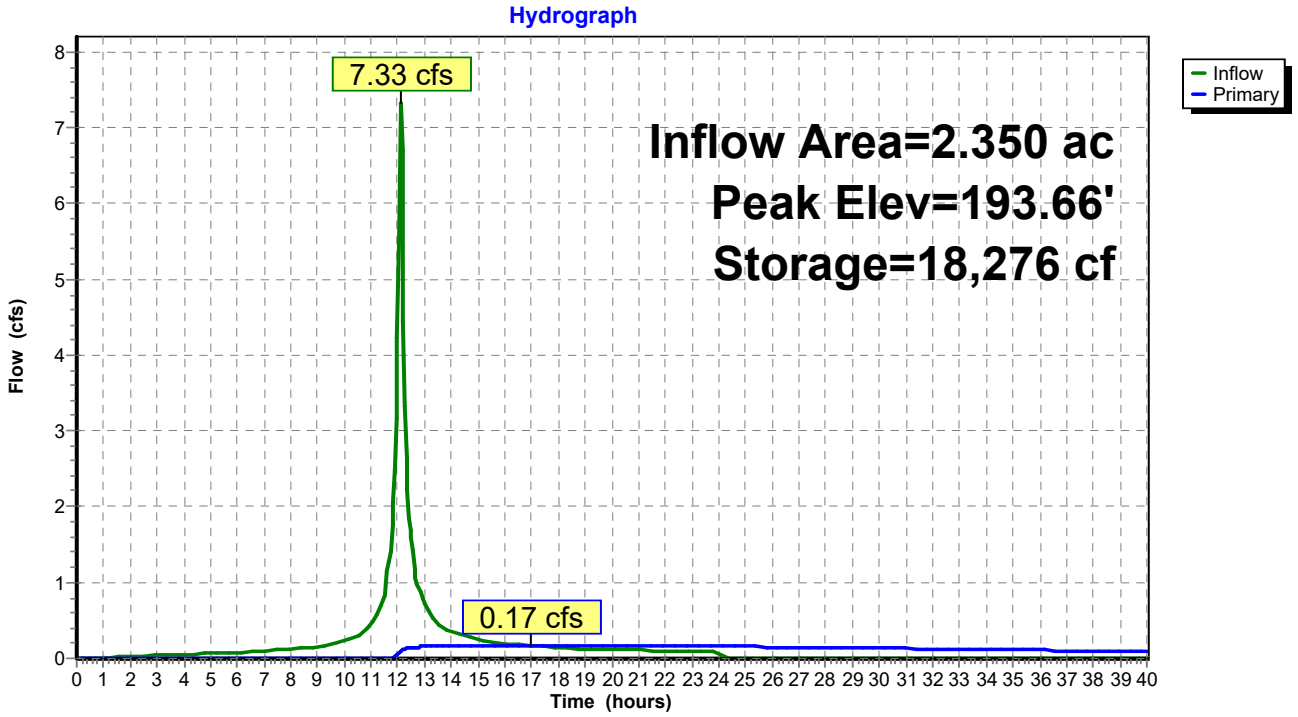
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 16.96 hrs HW=193.66' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 12.80 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 4.91 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	1	192.00	0.00
1.30	0.01	3	192.00	0.00
1.40	0.01	6	192.00	0.00
1.50	0.01	10	192.00	0.00
1.60	0.01	14	192.00	0.00
1.70	0.02	19	192.00	0.00
1.80	0.02	25	192.00	0.00
1.90	0.02	32	192.00	0.00
2.00	0.02	40	192.00	0.00
2.10	0.02	48	192.00	0.00
2.20	0.03	57	192.01	0.00
2.30	0.03	66	192.01	0.00
2.40	0.03	77	192.01	0.00
2.50	0.03	88	192.01	0.00
2.60	0.03	99	192.01	0.00
2.70	0.03	111	192.01	0.00
2.80	0.04	124	192.01	0.00
2.90	0.04	137	192.01	0.00
3.00	0.04	151	192.01	0.00
3.10	0.04	165	192.02	0.00
3.20	0.04	180	192.02	0.00
3.30	0.04	195	192.02	0.00
3.40	0.04	211	192.02	0.00
3.50	0.05	227	192.02	0.00
3.60	0.05	244	192.02	0.00
3.70	0.05	262	192.02	0.00
3.80	0.05	279	192.03	0.00
3.90	0.05	298	192.03	0.00
4.00	0.05	316	192.03	0.00
4.10	0.05	336	192.03	0.00
4.20	0.06	355	192.03	0.00
4.30	0.06	375	192.03	0.00
4.40	0.06	396	192.04	0.00
4.50	0.06	417	192.04	0.00
4.60	0.06	438	192.04	0.00
4.70	0.06	459	192.04	0.00
4.80	0.06	482	192.04	0.00
4.90	0.06	504	192.05	0.00
5.00	0.06	527	192.05	0.00
5.10	0.07	550	192.05	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	574	192.05	0.00
5.30	0.07	598	192.05	0.00
5.40	0.07	622	192.06	0.00
5.50	0.07	647	192.06	0.00
5.60	0.07	672	192.06	0.00
5.70	0.07	697	192.06	0.00
5.80	0.07	723	192.07	0.00
5.90	0.07	749	192.07	0.00
6.00	0.07	775	192.07	0.00
6.10	0.08	802	192.07	0.00
6.20	0.08	830	192.08	0.00
6.30	0.08	858	192.08	0.00
6.40	0.08	888	192.08	0.00
6.50	0.09	918	192.08	0.00
6.60	0.09	949	192.09	0.00
6.70	0.09	981	192.09	0.00
6.80	0.09	1,014	192.09	0.00
6.90	0.09	1,048	192.10	0.00
7.00	0.10	1,082	192.10	0.00
7.10	0.10	1,118	192.10	0.00
7.20	0.10	1,154	192.10	0.00
7.30	0.10	1,191	192.11	0.00
7.40	0.11	1,229	192.11	0.00
7.50	0.11	1,268	192.12	0.00
7.60	0.11	1,308	192.12	0.00
7.70	0.11	1,349	192.12	0.00
7.80	0.12	1,390	192.13	0.00
7.90	0.12	1,433	192.13	0.00
8.00	0.12	1,476	192.13	0.00
8.10	0.12	1,520	192.14	0.00
8.20	0.13	1,565	192.14	0.00
8.30	0.13	1,611	192.15	0.00
8.40	0.13	1,658	192.15	0.00
8.50	0.13	1,706	192.16	0.00
8.60	0.14	1,755	192.16	0.00
8.70	0.14	1,804	192.16	0.00
8.80	0.14	1,855	192.17	0.00
8.90	0.14	1,906	192.17	0.00
9.00	0.15	1,958	192.18	0.00
9.10	0.15	2,012	192.18	0.00
9.20	0.16	2,069	192.19	0.00
9.30	0.17	2,129	192.19	0.00
9.40	0.18	2,191	192.20	0.00
9.50	0.19	2,257	192.21	0.00
9.60	0.20	2,326	192.21	0.00
9.70	0.20	2,398	192.22	0.00
9.80	0.21	2,472	192.22	0.00
9.90	0.22	2,550	192.23	0.00
10.00	0.23	2,631	192.24	0.00
10.10	0.24	2,715	192.25	0.00
10.20	0.25	2,803	192.25	0.00
10.30	0.26	2,894	192.26	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.27	2,989	192.27	0.00
10.50	0.28	3,087	192.28	0.00
10.60	0.31	3,192	192.29	0.00
10.70	0.34	3,309	192.30	0.00
10.80	0.38	3,439	192.31	0.00
10.90	0.42	3,582	192.33	0.00
11.00	0.45	3,738	192.34	0.00
11.10	0.52	3,912	192.36	0.00
11.20	0.58	4,109	192.37	0.00
11.30	0.66	4,332	192.39	0.00
11.40	0.73	4,580	192.42	0.00
11.50	0.79	4,854	192.44	0.00
11.60	1.16	5,197	192.47	0.00
11.70	1.33	5,648	192.51	0.00
11.80	1.76	6,195	192.56	0.00
11.90	2.48	6,945	192.63	0.02
12.00	4.22	8,104	192.74	0.06
12.10	**7.24**	10,097	192.92	0.09
12.20	4.46	12,320	193.12	0.12
12.30	2.63	13,514	193.23	0.13
12.40	1.86	14,270	193.30	0.13
12.50	1.60	14,837	193.35	0.14
12.60	1.18	15,297	193.39	0.14
12.70	0.99	15,630	193.42	0.15
12.80	0.90	15,916	193.45	0.15
12.90	0.81	16,171	193.47	0.15
13.00	0.73	16,395	193.49	0.15
13.10	0.65	16,588	193.51	0.15
13.20	0.59	16,756	193.52	0.16
13.30	0.55	16,906	193.54	0.16
13.40	0.50	17,038	193.55	0.16
13.50	0.46	17,155	193.56	0.16
13.60	0.41	17,255	193.57	0.16
13.70	0.39	17,343	193.58	0.16
13.80	0.38	17,424	193.58	0.16
13.90	0.37	17,500	193.59	0.16
14.00	0.36	17,572	193.60	0.16
14.10	0.34	17,640	193.60	0.16
14.20	0.33	17,704	193.61	0.16
14.30	0.32	17,763	193.62	0.16
14.40	0.31	17,818	193.62	0.16
14.50	0.30	17,868	193.62	0.16
14.60	0.29	17,914	193.63	0.16
14.70	0.27	17,956	193.63	0.16
14.80	0.26	17,994	193.64	0.17
14.90	0.25	18,027	193.64	0.17
15.00	0.24	18,056	193.64	0.17
15.10	0.23	18,080	193.64	0.17
15.20	0.22	18,101	193.65	0.17
15.30	0.22	18,121	193.65	0.17
15.40	0.22	18,139	193.65	0.17
15.50	0.21	18,156	193.65	0.17

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	18,172	193.65	0.17
15.70	0.21	18,187	193.65	0.17
15.80	0.20	18,201	193.66	0.17
15.90	0.20	18,213	193.66	0.17
16.00	0.20	18,225	193.66	0.17
16.10	0.19	18,235	193.66	0.17
16.20	0.19	18,244	193.66	0.17
16.30	0.19	18,252	193.66	0.17
16.40	0.18	18,259	193.66	0.17
16.50	0.18	18,264	193.66	0.17
16.60	0.18	18,269	193.66	0.17
16.70	0.18	18,272	193.66	0.17
16.80	0.17	18,275	193.66	0.17
16.90	0.17	**18,276**	**193.66**	**0.17**
17.00	0.17	**18,276**	**193.66**	**0.17**
17.10	0.16	18,275	193.66	0.17
17.20	0.16	18,272	193.66	0.17
17.30	0.16	18,269	193.66	0.17
17.40	0.15	18,264	193.66	0.17
17.50	0.15	18,259	193.66	0.17
17.60	0.15	18,252	193.66	0.17
17.70	0.14	18,244	193.66	0.17
17.80	0.14	18,235	193.66	0.17
17.90	0.14	18,225	193.66	0.17
18.00	0.13	18,214	193.66	0.17
18.10	0.13	18,202	193.66	0.17
18.20	0.13	18,189	193.65	0.17
18.30	0.13	18,175	193.65	0.17
18.40	0.13	18,161	193.65	0.17
18.50	0.13	18,147	193.65	0.17
18.60	0.13	18,133	193.65	0.17
18.70	0.13	18,119	193.65	0.17
18.80	0.12	18,104	193.65	0.17
18.90	0.12	18,089	193.65	0.17
19.00	0.12	18,074	193.64	0.17
19.10	0.12	18,058	193.64	0.17
19.20	0.12	18,042	193.64	0.17
19.30	0.12	18,027	193.64	0.17
19.40	0.12	18,010	193.64	0.17
19.50	0.12	17,994	193.64	0.17
19.60	0.12	17,977	193.63	0.17
19.70	0.12	17,960	193.63	0.16
19.80	0.12	17,943	193.63	0.16
19.90	0.12	17,926	193.63	0.16
20.00	0.12	17,909	193.63	0.16
20.10	0.11	17,891	193.63	0.16
20.20	0.11	17,873	193.63	0.16
20.30	0.11	17,854	193.62	0.16
20.40	0.11	17,836	193.62	0.16
20.50	0.11	17,817	193.62	0.16
20.60	0.11	17,798	193.62	0.16
20.70	0.11	17,779	193.62	0.16

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	17,760	193.62	0.16
20.90	0.11	17,740	193.61	0.16
21.00	0.11	17,720	193.61	0.16
21.10	0.11	17,700	193.61	0.16
21.20	0.11	17,679	193.61	0.16
21.30	0.11	17,659	193.61	0.16
21.40	0.10	17,638	193.60	0.16
21.50	0.10	17,617	193.60	0.16
21.60	0.10	17,596	193.60	0.16
21.70	0.10	17,574	193.60	0.16
21.80	0.10	17,553	193.60	0.16
21.90	0.10	17,531	193.59	0.16
22.00	0.10	17,509	193.59	0.16
22.10	0.10	17,486	193.59	0.16
22.20	0.10	17,464	193.59	0.16
22.30	0.10	17,441	193.59	0.16
22.40	0.10	17,418	193.58	0.16
22.50	0.10	17,394	193.58	0.16
22.60	0.10	17,371	193.58	0.16
22.70	0.09	17,347	193.58	0.16
22.80	0.09	17,323	193.58	0.16
22.90	0.09	17,299	193.57	0.16
23.00	0.09	17,275	193.57	0.16
23.10	0.09	17,250	193.57	0.16
23.20	0.09	17,225	193.57	0.16
23.30	0.09	17,200	193.56	0.16
23.40	0.09	17,175	193.56	0.16
23.50	0.09	17,150	193.56	0.16
23.60	0.09	17,124	193.56	0.16
23.70	0.09	17,098	193.55	0.16
23.80	0.09	17,072	193.55	0.16
23.90	0.08	17,046	193.55	0.16
24.00	0.10	17,021	193.55	0.16
24.10	0.03	16,990	193.55	0.16
24.20	0.00	16,939	193.54	0.16
24.30	0.00	16,884	193.54	0.16
24.40	0.00	16,828	193.53	0.16
24.50	0.00	16,771	193.53	0.16
24.60	0.00	16,715	193.52	0.16
24.70	0.00	16,660	193.52	0.15
24.80	0.00	16,604	193.51	0.15
24.90	0.00	16,548	193.50	0.15
25.00	0.00	16,493	193.50	0.15
25.10	0.00	16,438	193.49	0.15
25.20	0.00	16,383	193.49	0.15
25.30	0.00	16,328	193.48	0.15
25.40	0.00	16,273	193.48	0.15
25.50	0.00	16,219	193.47	0.15
25.60	0.00	16,164	193.47	0.15
25.70	0.00	16,110	193.47	0.15
25.80	0.00	16,056	193.46	0.15
25.90	0.00	16,002	193.46	0.15

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	15,948	193.45	0.15
26.10	0.00	15,894	193.45	0.15
26.20	0.00	15,841	193.44	0.15
26.30	0.00	15,788	193.44	0.15
26.40	0.00	15,734	193.43	0.15
26.50	0.00	15,681	193.43	0.15
26.60	0.00	15,629	193.42	0.15
26.70	0.00	15,576	193.42	0.15
26.80	0.00	15,523	193.41	0.15
26.90	0.00	15,471	193.41	0.15
27.00	0.00	15,419	193.40	0.14
27.10	0.00	15,367	193.40	0.14
27.20	0.00	15,315	193.39	0.14
27.30	0.00	15,263	193.39	0.14
27.40	0.00	15,212	193.38	0.14
27.50	0.00	15,160	193.38	0.14
27.60	0.00	15,109	193.37	0.14
27.70	0.00	15,058	193.37	0.14
27.80	0.00	15,007	193.36	0.14
27.90	0.00	14,956	193.36	0.14
28.00	0.00	14,906	193.36	0.14
28.10	0.00	14,855	193.35	0.14
28.20	0.00	14,805	193.35	0.14
28.30	0.00	14,755	193.34	0.14
28.40	0.00	14,705	193.34	0.14
28.50	0.00	14,655	193.33	0.14
28.60	0.00	14,605	193.33	0.14
28.70	0.00	14,556	193.32	0.14
28.80	0.00	14,507	193.32	0.14
28.90	0.00	14,457	193.31	0.14
29.00	0.00	14,408	193.31	0.14
29.10	0.00	14,359	193.31	0.14
29.20	0.00	14,311	193.30	0.14
29.30	0.00	14,262	193.30	0.13
29.40	0.00	14,214	193.29	0.13
29.50	0.00	14,166	193.29	0.13
29.60	0.00	14,118	193.28	0.13
29.70	0.00	14,070	193.28	0.13
29.80	0.00	14,022	193.28	0.13
29.90	0.00	13,974	193.27	0.13
30.00	0.00	13,927	193.27	0.13
30.10	0.00	13,880	193.26	0.13
30.20	0.00	13,832	193.26	0.13
30.30	0.00	13,785	193.25	0.13
30.40	0.00	13,739	193.25	0.13
30.50	0.00	13,692	193.25	0.13
30.60	0.00	13,646	193.24	0.13
30.70	0.00	13,599	193.24	0.13
30.80	0.00	13,553	193.23	0.13
30.90	0.00	13,507	193.23	0.13
31.00	0.00	13,461	193.22	0.13
31.10	0.00	13,416	193.22	0.13

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	13,370	193.22	0.13
31.30	0.00	13,325	193.21	0.13
31.40	0.00	13,279	193.21	0.13
31.50	0.00	13,234	193.20	0.12
31.60	0.00	13,189	193.20	0.12
31.70	0.00	13,145	193.20	0.12
31.80	0.00	13,100	193.19	0.12
31.90	0.00	13,056	193.19	0.12
32.00	0.00	13,011	193.18	0.12
32.10	0.00	12,967	193.18	0.12
32.20	0.00	12,923	193.18	0.12
32.30	0.00	12,880	193.17	0.12
32.40	0.00	12,836	193.17	0.12
32.50	0.00	12,793	193.16	0.12
32.60	0.00	12,749	193.16	0.12
32.70	0.00	12,706	193.16	0.12
32.80	0.00	12,663	193.15	0.12
32.90	0.00	12,620	193.15	0.12
33.00	0.00	12,578	193.14	0.12
33.10	0.00	12,535	193.14	0.12
33.20	0.00	12,493	193.14	0.12
33.30	0.00	12,451	193.13	0.12
33.40	0.00	12,409	193.13	0.12
33.50	0.00	12,367	193.12	0.12
33.60	0.00	12,325	193.12	0.12
33.70	0.00	12,283	193.12	0.12
33.80	0.00	12,242	193.11	0.11
33.90	0.00	12,201	193.11	0.11
34.00	0.00	12,160	193.11	0.11
34.10	0.00	12,119	193.10	0.11
34.20	0.00	12,078	193.10	0.11
34.30	0.00	12,037	193.09	0.11
34.40	0.00	11,997	193.09	0.11
34.50	0.00	11,957	193.09	0.11
34.60	0.00	11,917	193.08	0.11
34.70	0.00	11,877	193.08	0.11
34.80	0.00	11,837	193.08	0.11
34.90	0.00	11,797	193.07	0.11
35.00	0.00	11,758	193.07	0.11
35.10	0.00	11,718	193.07	0.11
35.20	0.00	11,679	193.06	0.11
35.30	0.00	11,640	193.06	0.11
35.40	0.00	11,601	193.06	0.11
35.50	0.00	11,563	193.05	0.11
35.60	0.00	11,524	193.05	0.11
35.70	0.00	11,486	193.04	0.11
35.80	0.00	11,447	193.04	0.11
35.90	0.00	11,409	193.04	0.11
36.00	0.00	11,371	193.03	0.11
36.10	0.00	11,334	193.03	0.10
36.20	0.00	11,296	193.03	0.10
36.30	0.00	11,259	193.02	0.10

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	11,221	193.02	0.10
36.50	0.00	11,184	193.02	0.10
36.60	0.00	11,147	193.01	0.10
36.70	0.00	11,111	193.01	0.10
36.80	0.00	11,074	193.01	0.10
36.90	0.00	11,037	193.00	0.10
37.00	0.00	11,001	193.00	0.10
37.10	0.00	10,965	193.00	0.10
37.20	0.00	10,929	192.99	0.10
37.30	0.00	10,893	192.99	0.10
37.40	0.00	10,857	192.99	0.10
37.50	0.00	10,822	192.98	0.10
37.60	0.00	10,786	192.98	0.10
37.70	0.00	10,751	192.98	0.10
37.80	0.00	10,716	192.97	0.10
37.90	0.00	10,681	192.97	0.10
38.00	0.00	10,647	192.97	0.10
38.10	0.00	10,612	192.97	0.10
38.20	0.00	10,578	192.96	0.10
38.30	0.00	10,543	192.96	0.09
38.40	0.00	10,509	192.96	0.09
38.50	0.00	10,475	192.95	0.09
38.60	0.00	10,442	192.95	0.09
38.70	0.00	10,408	192.95	0.09
38.80	0.00	10,375	192.94	0.09
38.90	0.00	10,341	192.94	0.09
39.00	0.00	10,308	192.94	0.09
39.10	0.00	10,275	192.93	0.09
39.20	0.00	10,242	192.93	0.09
39.30	0.00	10,210	192.93	0.09
39.40	0.00	10,177	192.93	0.09
39.50	0.00	10,145	192.92	0.09
39.60	0.00	10,113	192.92	0.09
39.70	0.00	10,081	192.92	0.09
39.80	0.00	10,049	192.91	0.09
39.90	0.00	10,017	192.91	0.09
40.00	0.00	9,985	192.91	0.09

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0	192.52	10,996	5,718
192.01	10,996	110	192.53	10,996	5,828
192.02	10,996	220	192.54	10,996	5,938
192.03	10,996	330	192.55	10,996	6,048
192.04	10,996	440	192.56	10,996	6,158
192.05	10,996	550	192.57	10,996	6,268
192.06	10,996	660	192.58	10,996	6,378
192.07	10,996	770	192.59	10,996	6,488
192.08	10,996	880	192.60	10,996	6,598
192.09	10,996	990	192.61	10,996	6,708
192.10	10,996	1,100	192.62	10,996	6,818
192.11	10,996	1,210	192.63	10,996	6,927
192.12	10,996	1,320	192.64	10,996	7,037
192.13	10,996	1,429	192.65	10,996	7,147
192.14	10,996	1,539	192.66	10,996	7,257
192.15	10,996	1,649	192.67	10,996	7,367
192.16	10,996	1,759	192.68	10,996	7,477
192.17	10,996	1,869	192.69	10,996	7,587
192.18	10,996	1,979	192.70	10,996	7,697
192.19	10,996	2,089	192.71	10,996	7,807
192.20	10,996	2,199	192.72	10,996	7,917
192.21	10,996	2,309	192.73	10,996	8,027
192.22	10,996	2,419	192.74	10,996	8,137
192.23	10,996	2,529	192.75	10,996	8,247
192.24	10,996	2,639	192.76	10,996	8,357
192.25	10,996	2,749	192.77	10,996	8,467
192.26	10,996	2,859	192.78	10,996	8,577
192.27	10,996	2,969	192.79	10,996	8,687
192.28	10,996	3,079	192.80	10,996	8,797
192.29	10,996	3,189	192.81	10,996	8,907
192.30	10,996	3,299	192.82	10,996	9,017
192.31	10,996	3,409	192.83	10,996	9,127
192.32	10,996	3,519	192.84	10,996	9,237
192.33	10,996	3,629	192.85	10,996	9,347
192.34	10,996	3,739	192.86	10,996	9,457
192.35	10,996	3,849	192.87	10,996	9,567
192.36	10,996	3,959	192.88	10,996	9,676
192.37	10,996	4,069	192.89	10,996	9,786
192.38	10,996	4,178	192.90	10,996	9,896
192.39	10,996	4,288	192.91	10,996	10,006
192.40	10,996	4,398	192.92	10,996	10,116
192.41	10,996	4,508	192.93	10,996	10,226
192.42	10,996	4,618	192.94	10,996	10,336
192.43	10,996	4,728	192.95	10,996	10,446
192.44	10,996	4,838	192.96	10,996	10,556
192.45	10,996	4,948	192.97	10,996	10,666
192.46	10,996	5,058	192.98	10,996	10,776
192.47	10,996	5,168	192.99	10,996	10,886
192.48	10,996	5,278	193.00	10,996	10,996
192.49	10,996	5,388	193.01	10,996	11,106
192.50	10,996	5,498	193.02	10,996	11,216
192.51	10,996	5,608	193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872	194.60	10,996	28,590
194.09	10,996	22,982	194.61	10,996	28,700
194.10	10,996	23,092	194.62	10,996	28,810
194.11	10,996	23,202	194.63	10,996	28,919
194.12	10,996	23,312	194.64	10,996	29,029
194.13	10,996	23,421	194.65	10,996	29,139
194.14	10,996	23,531	194.66	10,996	29,249
194.15	10,996	23,641	194.67	10,996	29,359
194.16	10,996	23,751	194.68	10,996	29,469
194.17	10,996	23,861	194.69	10,996	29,579
194.18	10,996	23,971	194.70	10,996	29,689
194.19	10,996	24,081	194.71	10,996	29,799
194.20	10,996	24,191	194.72	10,996	29,909
194.21	10,996	24,301	194.73	10,996	30,019
194.22	10,996	24,411	194.74	10,996	30,129
194.23	10,996	24,521	194.75	10,996	30,239
194.24	10,996	24,631	194.76	10,996	30,349
194.25	10,996	24,741	194.77	10,996	30,459
194.26	10,996	24,851	194.78	10,996	30,569
194.27	10,996	24,961	194.79	10,996	30,679
194.28	10,996	25,071	194.80	10,996	30,789
194.29	10,996	25,181	194.81	10,996	30,899
194.30	10,996	25,291	194.82	10,996	31,009
194.31	10,996	25,401	194.83	10,996	31,119
194.32	10,996	25,511	194.84	10,996	31,229
194.33	10,996	25,621	194.85	10,996	31,339
194.34	10,996	25,731	194.86	10,996	31,449
194.35	10,996	25,841	194.87	10,996	31,559
194.36	10,996	25,951	194.88	10,996	31,668
194.37	10,996	26,061	194.89	10,996	31,778
194.38	10,996	26,170	194.90	10,996	31,888
194.39	10,996	26,280	194.91	10,996	31,998
194.40	10,996	26,390	194.92	10,996	32,108
194.41	10,996	26,500	194.93	10,996	32,218
194.42	10,996	26,610	194.94	10,996	32,328
194.43	10,996	26,720	194.95	10,996	32,438
194.44	10,996	26,830	194.96	10,996	32,548
194.45	10,996	26,940	194.97	10,996	32,658
194.46	10,996	27,050	194.98	10,996	32,768
194.47	10,996	27,160	194.99	10,996	32,878
194.48	10,996	27,270	195.00	10,996	32,988
194.49	10,996	27,380	195.01	10,996	33,098
194.50	10,996	27,490	195.02	10,996	33,208
194.51	10,996	27,600	195.03	10,996	33,318
194.52	10,996	27,710	195.04	10,996	33,428
194.53	10,996	27,820	195.05	10,996	33,538
194.54	10,996	27,930	195.06	10,996	33,648
194.55	10,996	28,040	195.07	10,996	33,758
194.56	10,996	28,150	195.08	10,996	33,868
194.57	10,996	28,260	195.09	10,996	33,978
194.58	10,996	28,370	195.10	10,996	34,088
194.59	10,996	28,480	195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 1.99" for Future 2 yr event
Inflow = 5.23 cfs @ 12.10 hrs, Volume= 0.356 af
Outflow = 0.15 cfs @ 16.20 hrs, Volume= 0.263 af, Atten= 97%, Lag= 246.0 min
Primary = 0.15 cfs @ 16.20 hrs, Volume= 0.263 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.19' @ 16.20 hrs Surf.Area= 8,960 sf Storage= 10,697 cf

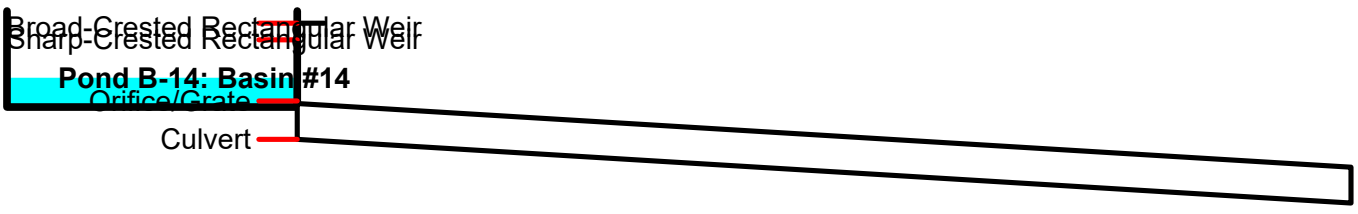
Plug-Flow detention time= 723.7 min calculated for 0.263 af (74% of inflow)
Center-of-Mass det. time= 625.3 min (1,434.9 - 809.6)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

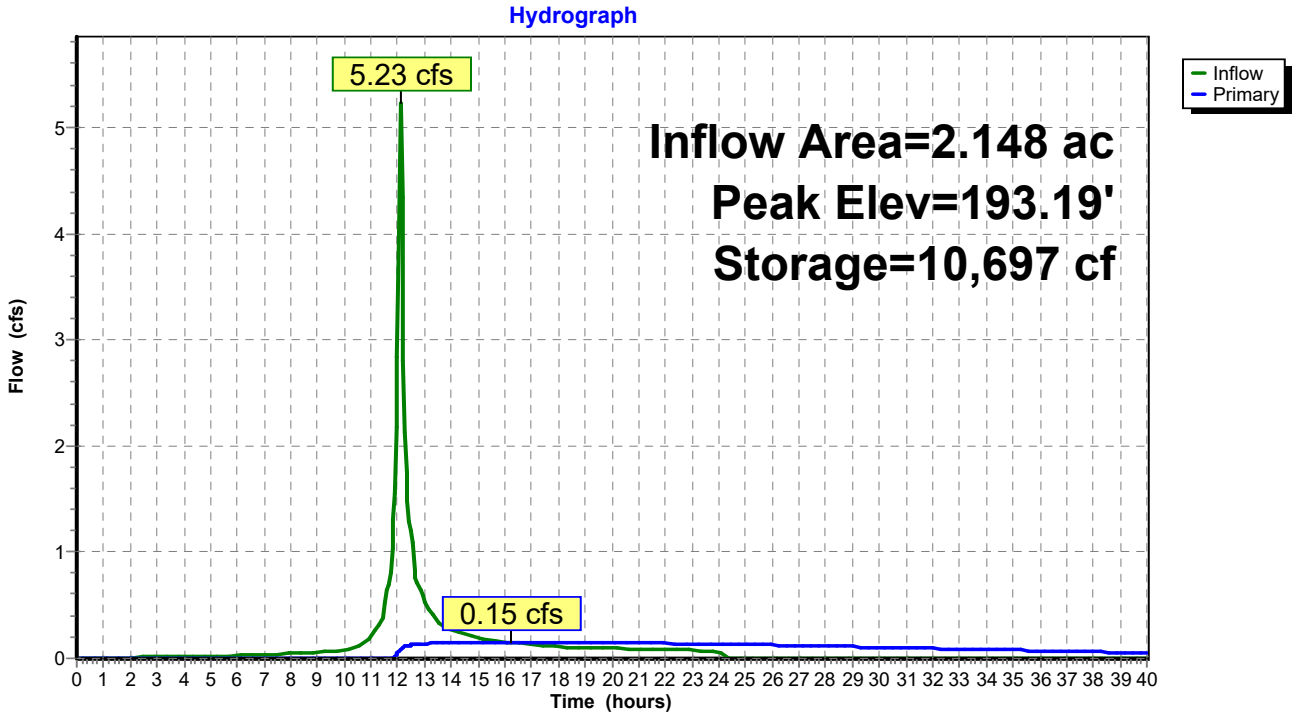
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 16.20 hrs HW=193.19' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 11.40 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.39 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	1	192.00	0.00
1.30	0.00	1	192.00	0.00
1.40	0.00	2	192.00	0.00
1.50	0.00	4	192.00	0.00
1.60	0.00	5	192.00	0.00
1.70	0.01	7	192.00	0.00
1.80	0.01	9	192.00	0.00
1.90	0.01	12	192.00	0.00
2.00	0.01	15	192.00	0.00
2.10	0.01	17	192.00	0.00
2.20	0.01	21	192.00	0.00
2.30	0.01	24	192.00	0.00
2.40	0.01	28	192.00	0.00
2.50	0.01	31	192.00	0.00
2.60	0.01	35	192.00	0.00
2.70	0.01	40	192.00	0.00
2.80	0.01	44	192.00	0.00
2.90	0.01	49	192.01	0.00
3.00	0.01	54	192.01	0.00
3.10	0.01	59	192.01	0.00
3.20	0.01	64	192.01	0.00
3.30	0.02	69	192.01	0.00
3.40	0.02	75	192.01	0.00
3.50	0.02	80	192.01	0.00
3.60	0.02	86	192.01	0.00
3.70	0.02	92	192.01	0.00
3.80	0.02	98	192.01	0.00
3.90	0.02	105	192.01	0.00
4.00	0.02	111	192.01	0.00
4.10	0.02	118	192.01	0.00
4.20	0.02	125	192.01	0.00
4.30	0.02	132	192.01	0.00
4.40	0.02	139	192.02	0.00
4.50	0.02	146	192.02	0.00
4.60	0.02	154	192.02	0.00
4.70	0.02	161	192.02	0.00
4.80	0.02	169	192.02	0.00
4.90	0.02	177	192.02	0.00
5.00	0.02	185	192.02	0.00
5.10	0.02	193	192.02	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	201	192.02	0.00
5.30	0.02	209	192.02	0.00
5.40	0.02	218	192.02	0.00
5.50	0.02	226	192.03	0.00
5.60	0.02	235	192.03	0.00
5.70	0.02	244	192.03	0.00
5.80	0.03	253	192.03	0.00
5.90	0.03	262	192.03	0.00
6.00	0.03	271	192.03	0.00
6.10	0.03	280	192.03	0.00
6.20	0.03	290	192.03	0.00
6.30	0.03	300	192.03	0.00
6.40	0.03	310	192.03	0.00
6.50	0.03	321	192.04	0.00
6.60	0.03	332	192.04	0.00
6.70	0.03	343	192.04	0.00
6.80	0.03	354	192.04	0.00
6.90	0.03	366	192.04	0.00
7.00	0.03	378	192.04	0.00
7.10	0.03	391	192.04	0.00
7.20	0.04	403	192.04	0.00
7.30	0.04	416	192.05	0.00
7.40	0.04	429	192.05	0.00
7.50	0.04	443	192.05	0.00
7.60	0.04	457	192.05	0.00
7.70	0.04	471	192.05	0.00
7.80	0.04	485	192.05	0.00
7.90	0.04	500	192.06	0.00
8.00	0.04	515	192.06	0.00
8.10	0.04	531	192.06	0.00
8.20	0.04	546	192.06	0.00
8.30	0.04	562	192.06	0.00
8.40	0.05	579	192.06	0.00
8.50	0.05	595	192.07	0.00
8.60	0.05	612	192.07	0.00
8.70	0.05	630	192.07	0.00
8.80	0.05	647	192.07	0.00
8.90	0.05	665	192.07	0.00
9.00	0.05	683	192.08	0.00
9.10	0.05	702	192.08	0.00
9.20	0.06	722	192.08	0.00
9.30	0.06	743	192.08	0.00
9.40	0.06	765	192.09	0.00
9.50	0.07	788	192.09	0.00
9.60	0.07	812	192.09	0.00
9.70	0.07	837	192.09	0.00
9.80	0.07	864	192.10	0.00
9.90	0.08	891	192.10	0.00
10.00	0.08	919	192.10	0.00
10.10	0.08	949	192.11	0.00
10.20	0.09	980	192.11	0.00
10.30	0.10	1,013	192.11	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.10	1,049	192.12	0.00
10.50	0.11	1,087	192.12	0.00
10.60	0.12	1,129	192.13	0.00
10.70	0.14	1,177	192.13	0.00
10.80	0.16	1,231	192.14	0.00
10.90	0.18	1,293	192.14	0.00
11.00	0.20	1,362	192.15	0.00
11.10	0.24	1,441	192.16	0.00
11.20	0.28	1,534	192.17	0.00
11.30	0.32	1,641	192.18	0.00
11.40	0.36	1,764	192.20	0.00
11.50	0.41	1,904	192.21	0.00
11.60	0.64	2,093	192.23	0.00
11.70	0.74	2,342	192.26	0.00
11.80	1.04	2,663	192.30	0.00
11.90	1.55	3,127	192.35	0.01
12.00	2.85	3,904	192.44	0.04
12.10	**5.23**	5,330	192.59	0.08
12.20	2.81	6,803	192.76	0.10
12.30	1.75	7,557	192.84	0.11
12.40	1.28	8,056	192.90	0.12
12.50	1.16	8,448	192.94	0.12
12.60	0.83	8,764	192.98	0.13
12.70	0.72	8,993	193.00	0.13
12.80	0.66	9,195	193.03	0.13
12.90	0.61	9,375	193.05	0.14
13.00	0.54	9,532	193.06	0.14
13.10	0.48	9,668	193.08	0.14
13.20	0.45	9,785	193.09	0.14
13.30	0.41	9,889	193.10	0.14
13.40	0.38	9,981	193.11	0.14
13.50	0.35	10,060	193.12	0.14
13.60	0.31	10,127	193.13	0.14
13.70	0.30	10,185	193.14	0.14
13.80	0.29	10,239	193.14	0.14
13.90	0.28	10,290	193.15	0.15
14.00	0.27	10,338	193.15	0.15
14.10	0.26	10,382	193.16	0.15
14.20	0.26	10,423	193.16	0.15
14.30	0.25	10,461	193.17	0.15
14.40	0.24	10,496	193.17	0.15
14.50	0.23	10,527	193.17	0.15
14.60	0.22	10,555	193.18	0.15
14.70	0.21	10,580	193.18	0.15
14.80	0.20	10,601	193.18	0.15
14.90	0.19	10,619	193.19	0.15
15.00	0.19	10,634	193.19	0.15
15.10	0.18	10,646	193.19	0.15
15.20	0.17	10,655	193.19	0.15
15.30	0.17	10,663	193.19	0.15
15.40	0.17	10,670	193.19	0.15
15.50	0.17	10,676	193.19	0.15

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	10,682	193.19	0.15
15.70	0.16	10,686	193.19	0.15
15.80	0.16	10,690	193.19	0.15
15.90	0.16	10,693	193.19	0.15
16.00	0.15	10,695	193.19	0.15
16.10	0.15	10,696	193.19	0.15
16.20	0.15	**10,697**	**193.19**	**0.15**
16.30	0.15	10,696	193.19	0.15
16.40	0.14	10,695	193.19	0.15
16.50	0.14	10,693	193.19	0.15
16.60	0.14	10,690	193.19	0.15
16.70	0.14	10,686	193.19	0.15
16.80	0.13	10,681	193.19	0.15
16.90	0.13	10,676	193.19	0.15
17.00	0.13	10,669	193.19	0.15
17.10	0.13	10,662	193.19	0.15
17.20	0.13	10,654	193.19	0.15
17.30	0.12	10,645	193.19	0.15
17.40	0.12	10,635	193.19	0.15
17.50	0.12	10,625	193.19	0.15
17.60	0.12	10,613	193.18	0.15
17.70	0.11	10,601	193.18	0.15
17.80	0.11	10,588	193.18	0.15
17.90	0.11	10,574	193.18	0.15
18.00	0.11	10,559	193.18	0.15
18.10	0.10	10,544	193.18	0.15
18.20	0.10	10,527	193.17	0.15
18.30	0.10	10,511	193.17	0.15
18.40	0.10	10,494	193.17	0.15
18.50	0.10	10,478	193.17	0.15
18.60	0.10	10,461	193.17	0.15
18.70	0.10	10,444	193.17	0.15
18.80	0.10	10,427	193.16	0.15
18.90	0.10	10,409	193.16	0.15
19.00	0.10	10,392	193.16	0.15
19.10	0.10	10,374	193.16	0.15
19.20	0.10	10,357	193.16	0.15
19.30	0.10	10,339	193.15	0.15
19.40	0.10	10,321	193.15	0.15
19.50	0.09	10,302	193.15	0.15
19.60	0.09	10,284	193.15	0.15
19.70	0.09	10,266	193.15	0.15
19.80	0.09	10,247	193.14	0.14
19.90	0.09	10,228	193.14	0.14
20.00	0.09	10,210	193.14	0.14
20.10	0.09	10,191	193.14	0.14
20.20	0.09	10,171	193.14	0.14
20.30	0.09	10,152	193.13	0.14
20.40	0.09	10,133	193.13	0.14
20.50	0.09	10,113	193.13	0.14
20.60	0.09	10,093	193.13	0.14
20.70	0.09	10,073	193.12	0.14

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	10,053	193.12	0.14
20.90	0.09	10,033	193.12	0.14
21.00	0.09	10,013	193.12	0.14
21.10	0.09	9,992	193.12	0.14
21.20	0.08	9,972	193.11	0.14
21.30	0.08	9,951	193.11	0.14
21.40	0.08	9,930	193.11	0.14
21.50	0.08	9,909	193.11	0.14
21.60	0.08	9,888	193.10	0.14
21.70	0.08	9,867	193.10	0.14
21.80	0.08	9,845	193.10	0.14
21.90	0.08	9,824	193.10	0.14
22.00	0.08	9,802	193.09	0.14
22.10	0.08	9,780	193.09	0.14
22.20	0.08	9,758	193.09	0.14
22.30	0.08	9,736	193.09	0.14
22.40	0.08	9,714	193.08	0.14
22.50	0.08	9,691	193.08	0.14
22.60	0.08	9,669	193.08	0.14
22.70	0.08	9,646	193.08	0.14
22.80	0.07	9,623	193.07	0.14
22.90	0.07	9,600	193.07	0.14
23.00	0.07	9,577	193.07	0.14
23.10	0.07	9,554	193.07	0.14
23.20	0.07	9,531	193.06	0.14
23.30	0.07	9,507	193.06	0.14
23.40	0.07	9,484	193.06	0.14
23.50	0.07	9,460	193.06	0.14
23.60	0.07	9,436	193.05	0.14
23.70	0.07	9,412	193.05	0.14
23.80	0.07	9,388	193.05	0.14
23.90	0.07	9,364	193.05	0.14
24.00	0.08	9,342	193.04	0.14
24.10	0.02	9,312	193.04	0.13
24.20	0.00	9,265	193.03	0.13
24.30	0.00	9,217	193.03	0.13
24.40	0.00	9,169	193.02	0.13
24.50	0.00	9,121	193.02	0.13
24.60	0.00	9,074	193.01	0.13
24.70	0.00	9,026	193.01	0.13
24.80	0.00	8,979	193.00	0.13
24.90	0.00	8,932	193.00	0.13
25.00	0.00	8,885	192.99	0.13
25.10	0.00	8,838	192.99	0.13
25.20	0.00	8,792	192.98	0.13
25.30	0.00	8,745	192.98	0.13
25.40	0.00	8,699	192.97	0.13
25.50	0.00	8,653	192.97	0.13
25.60	0.00	8,608	192.96	0.13
25.70	0.00	8,562	192.96	0.13
25.80	0.00	8,517	192.95	0.13
25.90	0.00	8,472	192.95	0.13

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,427	192.94	0.12
26.10	0.00	8,382	192.94	0.12
26.20	0.00	8,337	192.93	0.12
26.30	0.00	8,293	192.93	0.12
26.40	0.00	8,249	192.92	0.12
26.50	0.00	8,205	192.92	0.12
26.60	0.00	8,161	192.91	0.12
26.70	0.00	8,117	192.91	0.12
26.80	0.00	8,074	192.90	0.12
26.90	0.00	8,031	192.90	0.12
27.00	0.00	7,988	192.89	0.12
27.10	0.00	7,945	192.89	0.12
27.20	0.00	7,902	192.88	0.12
27.30	0.00	7,860	192.88	0.12
27.40	0.00	7,818	192.87	0.12
27.50	0.00	7,776	192.87	0.12
27.60	0.00	7,734	192.86	0.12
27.70	0.00	7,692	192.86	0.12
27.80	0.00	7,651	192.85	0.11
27.90	0.00	7,610	192.85	0.11
28.00	0.00	7,569	192.84	0.11
28.10	0.00	7,528	192.84	0.11
28.20	0.00	7,487	192.84	0.11
28.30	0.00	7,447	192.83	0.11
28.40	0.00	7,406	192.83	0.11
28.50	0.00	7,366	192.82	0.11
28.60	0.00	7,326	192.82	0.11
28.70	0.00	7,287	192.81	0.11
28.80	0.00	7,247	192.81	0.11
28.90	0.00	7,208	192.80	0.11
29.00	0.00	7,169	192.80	0.11
29.10	0.00	7,130	192.80	0.11
29.20	0.00	7,091	192.79	0.11
29.30	0.00	7,053	192.79	0.11
29.40	0.00	7,014	192.78	0.11
29.50	0.00	6,976	192.78	0.11
29.60	0.00	6,938	192.77	0.11
29.70	0.00	6,900	192.77	0.10
29.80	0.00	6,863	192.77	0.10
29.90	0.00	6,826	192.76	0.10
30.00	0.00	6,788	192.76	0.10
30.10	0.00	6,751	192.75	0.10
30.20	0.00	6,715	192.75	0.10
30.30	0.00	6,678	192.75	0.10
30.40	0.00	6,642	192.74	0.10
30.50	0.00	6,606	192.74	0.10
30.60	0.00	6,570	192.73	0.10
30.70	0.00	6,534	192.73	0.10
30.80	0.00	6,498	192.73	0.10
30.90	0.00	6,463	192.72	0.10
31.00	0.00	6,428	192.72	0.10
31.10	0.00	6,393	192.71	0.10

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,358	192.71	0.10
31.30	0.00	6,323	192.71	0.10
31.40	0.00	6,289	192.70	0.10
31.50	0.00	6,254	192.70	0.09
31.60	0.00	6,220	192.69	0.09
31.70	0.00	6,187	192.69	0.09
31.80	0.00	6,153	192.69	0.09
31.90	0.00	6,120	192.68	0.09
32.00	0.00	6,086	192.68	0.09
32.10	0.00	6,053	192.68	0.09
32.20	0.00	6,020	192.67	0.09
32.30	0.00	5,988	192.67	0.09
32.40	0.00	5,955	192.66	0.09
32.50	0.00	5,923	192.66	0.09
32.60	0.00	5,891	192.66	0.09
32.70	0.00	5,859	192.65	0.09
32.80	0.00	5,827	192.65	0.09
32.90	0.00	5,796	192.65	0.09
33.00	0.00	5,764	192.64	0.09
33.10	0.00	5,733	192.64	0.09
33.20	0.00	5,702	192.64	0.09
33.30	0.00	5,672	192.63	0.09
33.40	0.00	5,641	192.63	0.08
33.50	0.00	5,611	192.63	0.08
33.60	0.00	5,581	192.62	0.08
33.70	0.00	5,551	192.62	0.08
33.80	0.00	5,521	192.62	0.08
33.90	0.00	5,491	192.61	0.08
34.00	0.00	5,462	192.61	0.08
34.10	0.00	5,433	192.61	0.08
34.20	0.00	5,404	192.60	0.08
34.30	0.00	5,375	192.60	0.08
34.40	0.00	5,347	192.60	0.08
34.50	0.00	5,318	192.59	0.08
34.60	0.00	5,290	192.59	0.08
34.70	0.00	5,262	192.59	0.08
34.80	0.00	5,234	192.58	0.08
34.90	0.00	5,207	192.58	0.08
35.00	0.00	5,179	192.58	0.08
35.10	0.00	5,152	192.58	0.08
35.20	0.00	5,125	192.57	0.07
35.30	0.00	5,098	192.57	0.07
35.40	0.00	5,072	192.57	0.07
35.50	0.00	5,045	192.56	0.07
35.60	0.00	5,019	192.56	0.07
35.70	0.00	4,993	192.56	0.07
35.80	0.00	4,967	192.55	0.07
35.90	0.00	4,941	192.55	0.07
36.00	0.00	4,916	192.55	0.07
36.10	0.00	4,891	192.55	0.07
36.20	0.00	4,866	192.54	0.07
36.30	0.00	4,841	192.54	0.07

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,816	192.54	0.07
36.50	0.00	4,792	192.53	0.07
36.60	0.00	4,767	192.53	0.07
36.70	0.00	4,743	192.53	0.07
36.80	0.00	4,719	192.53	0.07
36.90	0.00	4,696	192.52	0.07
37.00	0.00	4,672	192.52	0.07
37.10	0.00	4,649	192.52	0.06
37.20	0.00	4,626	192.52	0.06
37.30	0.00	4,603	192.51	0.06
37.40	0.00	4,580	192.51	0.06
37.50	0.00	4,558	192.51	0.06
37.60	0.00	4,535	192.51	0.06
37.70	0.00	4,513	192.50	0.06
37.80	0.00	4,491	192.50	0.06
37.90	0.00	4,470	192.50	0.06
38.00	0.00	4,448	192.50	0.06
38.10	0.00	4,427	192.49	0.06
38.20	0.00	4,405	192.49	0.06
38.30	0.00	4,385	192.49	0.06
38.40	0.00	4,364	192.49	0.06
38.50	0.00	4,343	192.48	0.06
38.60	0.00	4,323	192.48	0.06
38.70	0.00	4,303	192.48	0.06
38.80	0.00	4,283	192.48	0.06
38.90	0.00	4,263	192.48	0.05
39.00	0.00	4,243	192.47	0.05
39.10	0.00	4,224	192.47	0.05
39.20	0.00	4,205	192.47	0.05
39.30	0.00	4,186	192.47	0.05
39.40	0.00	4,167	192.47	0.05
39.50	0.00	4,148	192.46	0.05
39.60	0.00	4,130	192.46	0.05
39.70	0.00	4,112	192.46	0.05
39.80	0.00	4,094	192.46	0.05
39.90	0.00	4,076	192.45	0.05
40.00	0.00	4,058	192.45	0.05

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 2.74" for Future 2 yr event
Inflow = 7.90 cfs @ 12.09 hrs, Volume= 0.539 af
Outflow = 0.76 cfs @ 12.92 hrs, Volume= 0.382 af, Atten= 90%, Lag= 50.1 min
Primary = 0.76 cfs @ 12.92 hrs, Volume= 0.382 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 198.13' @ 12.92 hrs Surf.Area= 7,058 sf Storage= 14,999 cf

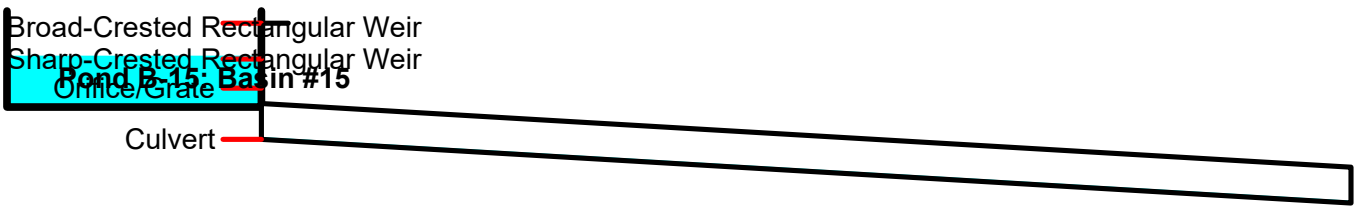
Plug-Flow detention time= 619.8 min calculated for 0.382 af (71% of inflow)
Center-of-Mass det. time= 521.6 min (1,295.2 - 773.5)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

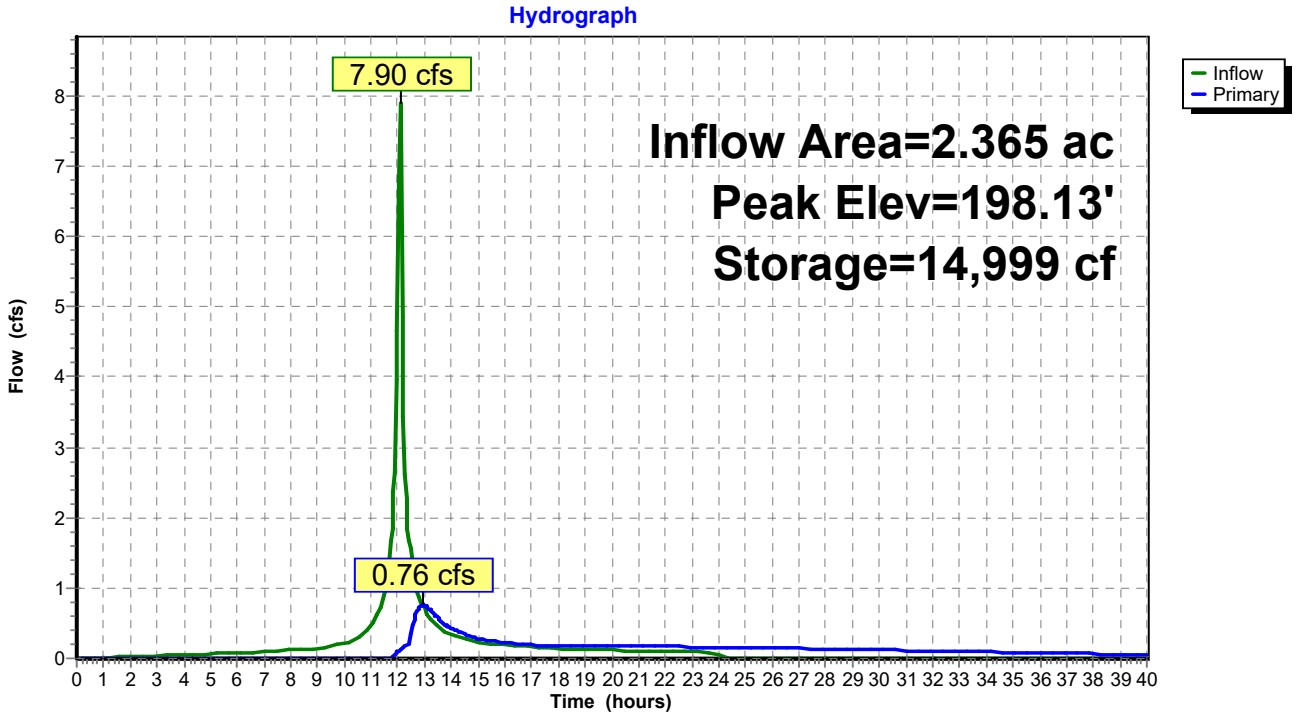
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.76 cfs @ 12.92 hrs HW=198.13' (Free Discharge)
- **1=Culvert** (Passes 0.76 cfs of 13.36 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.36 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.57 cfs @ 1.16 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.00	0	196.00	0.00
0.50	0.00	0	196.00	0.00
0.60	0.00	0	196.00	0.00
0.70	0.00	0	196.00	0.00
0.80	0.00	0	196.00	0.00
0.90	0.00	0	196.00	0.00
1.00	0.00	0	196.00	0.00
1.10	0.00	0	196.00	0.00
1.20	0.00	2	196.00	0.00
1.30	0.01	4	196.00	0.00
1.40	0.01	7	196.00	0.00
1.50	0.01	11	196.00	0.00
1.60	0.01	15	196.00	0.00
1.70	0.02	20	196.00	0.00
1.80	0.02	26	196.00	0.00
1.90	0.02	33	196.00	0.00
2.00	0.02	40	196.01	0.00
2.10	0.02	48	196.01	0.00
2.20	0.02	57	196.01	0.00
2.30	0.03	66	196.01	0.00
2.40	0.03	76	196.01	0.00
2.50	0.03	87	196.01	0.00
2.60	0.03	98	196.01	0.00
2.70	0.03	109	196.02	0.00
2.80	0.03	122	196.02	0.00
2.90	0.04	134	196.02	0.00
3.00	0.04	148	196.02	0.00
3.10	0.04	161	196.02	0.00
3.20	0.04	176	196.02	0.00
3.30	0.04	190	196.03	0.00
3.40	0.04	205	196.03	0.00
3.50	0.04	221	196.03	0.00
3.60	0.05	237	196.03	0.00
3.70	0.05	254	196.04	0.00
3.80	0.05	271	196.04	0.00
3.90	0.05	288	196.04	0.00
4.00	0.05	306	196.04	0.00
4.10	0.05	324	196.05	0.00
4.20	0.05	343	196.05	0.00
4.30	0.05	362	196.05	0.00
4.40	0.05	382	196.05	0.00
4.50	0.06	402	196.06	0.00
4.60	0.06	422	196.06	0.00
4.70	0.06	443	196.06	0.00
4.80	0.06	464	196.07	0.00
4.90	0.06	485	196.07	0.00
5.00	0.06	507	196.07	0.00
5.10	0.06	529	196.07	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	551	196.08	0.00
5.30	0.06	574	196.08	0.00
5.40	0.06	597	196.08	0.00
5.50	0.07	621	196.09	0.00
5.60	0.07	645	196.09	0.00
5.70	0.07	669	196.09	0.00
5.80	0.07	693	196.10	0.00
5.90	0.07	718	196.10	0.00
6.00	0.07	743	196.11	0.00
6.10	0.07	769	196.11	0.00
6.20	0.07	796	196.11	0.00
6.30	0.08	823	196.12	0.00
6.40	0.08	851	196.12	0.00
6.50	0.08	880	196.12	0.00
6.60	0.08	910	196.13	0.00
6.70	0.09	941	196.13	0.00
6.80	0.09	972	196.14	0.00
6.90	0.09	1,004	196.14	0.00
7.00	0.09	1,037	196.15	0.00
7.10	0.10	1,071	196.15	0.00
7.20	0.10	1,106	196.16	0.00
7.30	0.10	1,141	196.16	0.00
7.40	0.10	1,177	196.17	0.00
7.50	0.10	1,215	196.17	0.00
7.60	0.11	1,253	196.18	0.00
7.70	0.11	1,291	196.18	0.00
7.80	0.11	1,331	196.19	0.00
7.90	0.11	1,372	196.19	0.00
8.00	0.12	1,413	196.20	0.00
8.10	0.12	1,455	196.21	0.00
8.20	0.12	1,498	196.21	0.00
8.30	0.12	1,542	196.22	0.00
8.40	0.12	1,587	196.22	0.00
8.50	0.13	1,632	196.23	0.00
8.60	0.13	1,679	196.24	0.00
8.70	0.13	1,726	196.24	0.00
8.80	0.13	1,774	196.25	0.00
8.90	0.14	1,823	196.26	0.00
9.00	0.14	1,873	196.27	0.00
9.10	0.15	1,925	196.27	0.00
9.20	0.15	1,979	196.28	0.00
9.30	0.16	2,037	196.29	0.00
9.40	0.17	2,097	196.30	0.00
9.50	0.18	2,161	196.31	0.00
9.60	0.19	2,227	196.32	0.00
9.70	0.19	2,296	196.33	0.00
9.80	0.20	2,368	196.34	0.00
9.90	0.21	2,443	196.35	0.00
10.00	0.22	2,521	196.36	0.00
10.10	0.23	2,601	196.37	0.00
10.20	0.24	2,685	196.38	0.00
10.30	0.25	2,773	196.39	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.26	2,864	196.41	0.00
10.50	0.27	2,959	196.42	0.00
10.60	0.30	3,063	196.43	0.00
10.70	0.34	3,179	196.45	0.00
10.80	0.37	3,308	196.47	0.00
10.90	0.41	3,449	196.49	0.00
11.00	0.44	3,603	196.51	0.00
11.10	0.51	3,777	196.54	0.00
11.20	0.58	3,975	196.56	0.00
11.30	0.65	4,198	196.59	0.00
11.40	0.72	4,446	196.63	0.00
11.50	0.79	4,719	196.67	0.00
11.60	1.21	5,096	196.72	0.00
11.70	1.33	5,555	196.79	0.00
11.80	1.84	6,140	196.87	0.01
11.90	2.65	6,958	196.99	0.05
12.00	4.66	8,304	197.18	0.09
12.10	**7.77**	10,618	197.50	0.13
12.20	3.43	12,449	197.76	0.15
12.30	2.28	13,375	197.89	0.17
12.40	1.67	14,003	197.98	0.17
12.50	1.53	14,487	198.05	0.34
12.60	1.05	14,774	198.09	0.56
12.70	0.94	14,906	198.11	0.67
12.80	0.86	14,974	198.12	0.73
12.90	0.78	**14,999**	**198.13**	**0.76**
13.00	0.70	14,991	198.12	0.75
13.10	0.62	14,961	198.12	0.72
13.20	0.57	14,922	198.11	0.69
13.30	0.53	14,879	198.11	0.65
13.40	0.49	14,834	198.10	0.61
13.50	0.44	14,788	198.10	0.57
13.60	0.40	14,741	198.09	0.53
13.70	0.38	14,699	198.08	0.49
13.80	0.37	14,663	198.08	0.46
13.90	0.36	14,633	198.07	0.44
14.00	0.35	14,605	198.07	0.42
14.10	0.34	14,580	198.07	0.41
14.20	0.33	14,556	198.06	0.39
14.30	0.32	14,534	198.06	0.37
14.40	0.30	14,513	198.06	0.36
14.50	0.29	14,494	198.05	0.35
14.60	0.28	14,474	198.05	0.33
14.70	0.27	14,455	198.05	0.32
14.80	0.26	14,437	198.05	0.31
14.90	0.25	14,419	198.04	0.30
15.00	0.23	14,401	198.04	0.28
15.10	0.22	14,383	198.04	0.28
15.20	0.22	14,365	198.04	0.27
15.30	0.22	14,347	198.03	0.26
15.40	0.21	14,331	198.03	0.26
15.50	0.21	14,316	198.03	0.25

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	14,302	198.03	0.24
15.70	0.20	14,289	198.02	0.24
15.80	0.20	14,277	198.02	0.23
15.90	0.20	14,265	198.02	0.23
16.00	0.19	14,253	198.02	0.23
16.10	0.19	14,242	198.02	0.22
16.20	0.19	14,231	198.02	0.22
16.30	0.18	14,221	198.01	0.21
16.40	0.18	14,211	198.01	0.21
16.50	0.18	14,201	198.01	0.21
16.60	0.18	14,192	198.01	0.20
16.70	0.17	14,182	198.01	0.20
16.80	0.17	14,173	198.01	0.20
16.90	0.17	14,164	198.01	0.19
17.00	0.16	14,155	198.01	0.19
17.10	0.16	14,146	198.00	0.18
17.20	0.16	14,137	198.00	0.18
17.30	0.15	14,129	198.00	0.18
17.40	0.15	14,120	198.00	0.17
17.50	0.15	14,111	198.00	0.17
17.60	0.15	14,101	198.00	0.17
17.70	0.14	14,091	198.00	0.17
17.80	0.14	14,079	197.99	0.17
17.90	0.14	14,066	197.99	0.17
18.00	0.13	14,052	197.99	0.17
18.10	0.13	14,037	197.99	0.17
18.20	0.13	14,021	197.99	0.17
18.30	0.13	14,005	197.98	0.17
18.40	0.13	13,989	197.98	0.17
18.50	0.13	13,972	197.98	0.17
18.60	0.13	13,956	197.98	0.17
18.70	0.12	13,939	197.97	0.17
18.80	0.12	13,922	197.97	0.17
18.90	0.12	13,904	197.97	0.17
19.00	0.12	13,887	197.97	0.17
19.10	0.12	13,869	197.97	0.17
19.20	0.12	13,851	197.96	0.17
19.30	0.12	13,833	197.96	0.17
19.40	0.12	13,815	197.96	0.17
19.50	0.12	13,797	197.95	0.17
19.60	0.12	13,778	197.95	0.17
19.70	0.12	13,759	197.95	0.17
19.80	0.12	13,740	197.95	0.17
19.90	0.12	13,721	197.94	0.17
20.00	0.11	13,701	197.94	0.17
20.10	0.11	13,682	197.94	0.17
20.20	0.11	13,662	197.94	0.17
20.30	0.11	13,642	197.93	0.17
20.40	0.11	13,621	197.93	0.17
20.50	0.11	13,601	197.93	0.17
20.60	0.11	13,580	197.92	0.17
20.70	0.11	13,560	197.92	0.17

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	13,538	197.92	0.17
20.90	0.11	13,517	197.92	0.17
21.00	0.11	13,496	197.91	0.17
21.10	0.11	13,474	197.91	0.17
21.20	0.11	13,452	197.91	0.17
21.30	0.10	13,430	197.90	0.17
21.40	0.10	13,408	197.90	0.17
21.50	0.10	13,386	197.90	0.17
21.60	0.10	13,363	197.89	0.16
21.70	0.10	13,340	197.89	0.16
21.80	0.10	13,317	197.89	0.16
21.90	0.10	13,294	197.88	0.16
22.00	0.10	13,271	197.88	0.16
22.10	0.10	13,247	197.88	0.16
22.20	0.10	13,224	197.87	0.16
22.30	0.10	13,200	197.87	0.16
22.40	0.10	13,176	197.87	0.16
22.50	0.09	13,152	197.86	0.16
22.60	0.09	13,127	197.86	0.16
22.70	0.09	13,103	197.86	0.16
22.80	0.09	13,078	197.85	0.16
22.90	0.09	13,053	197.85	0.16
23.00	0.09	13,028	197.85	0.16
23.10	0.09	13,003	197.84	0.16
23.20	0.09	12,977	197.84	0.16
23.30	0.09	12,951	197.84	0.16
23.40	0.09	12,926	197.83	0.16
23.50	0.09	12,900	197.83	0.16
23.60	0.09	12,874	197.82	0.16
23.70	0.09	12,847	197.82	0.16
23.80	0.08	12,821	197.82	0.16
23.90	0.08	12,794	197.81	0.16
24.00	0.10	12,771	197.81	0.16
24.10	0.01	12,732	197.80	0.16
24.20	0.00	12,677	197.80	0.16
24.30	0.00	12,621	197.79	0.16
24.40	0.00	12,565	197.78	0.16
24.50	0.00	12,509	197.77	0.15
24.60	0.00	12,453	197.76	0.15
24.70	0.00	12,398	197.76	0.15
24.80	0.00	12,343	197.75	0.15
24.90	0.00	12,288	197.74	0.15
25.00	0.00	12,234	197.73	0.15
25.10	0.00	12,179	197.73	0.15
25.20	0.00	12,125	197.72	0.15
25.30	0.00	12,071	197.71	0.15
25.40	0.00	12,018	197.70	0.15
25.50	0.00	11,964	197.70	0.15
25.60	0.00	11,911	197.69	0.15
25.70	0.00	11,859	197.68	0.15
25.80	0.00	11,806	197.67	0.15
25.90	0.00	11,754	197.67	0.15

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,702	197.66	0.14
26.10	0.00	11,650	197.65	0.14
26.20	0.00	11,598	197.64	0.14
26.30	0.00	11,547	197.64	0.14
26.40	0.00	11,496	197.63	0.14
26.50	0.00	11,445	197.62	0.14
26.60	0.00	11,394	197.61	0.14
26.70	0.00	11,344	197.61	0.14
26.80	0.00	11,294	197.60	0.14
26.90	0.00	11,244	197.59	0.14
27.00	0.00	11,194	197.59	0.14
27.10	0.00	11,145	197.58	0.14
27.20	0.00	11,096	197.57	0.14
27.30	0.00	11,047	197.57	0.14
27.40	0.00	10,998	197.56	0.13
27.50	0.00	10,950	197.55	0.13
27.60	0.00	10,902	197.54	0.13
27.70	0.00	10,854	197.54	0.13
27.80	0.00	10,806	197.53	0.13
27.90	0.00	10,759	197.52	0.13
28.00	0.00	10,712	197.52	0.13
28.10	0.00	10,665	197.51	0.13
28.20	0.00	10,618	197.50	0.13
28.30	0.00	10,572	197.50	0.13
28.40	0.00	10,525	197.49	0.13
28.50	0.00	10,479	197.48	0.13
28.60	0.00	10,434	197.48	0.13
28.70	0.00	10,388	197.47	0.13
28.80	0.00	10,343	197.47	0.13
28.90	0.00	10,298	197.46	0.12
29.00	0.00	10,254	197.45	0.12
29.10	0.00	10,209	197.45	0.12
29.20	0.00	10,165	197.44	0.12
29.30	0.00	10,121	197.43	0.12
29.40	0.00	10,077	197.43	0.12
29.50	0.00	10,034	197.42	0.12
29.60	0.00	9,991	197.42	0.12
29.70	0.00	9,948	197.41	0.12
29.80	0.00	9,905	197.40	0.12
29.90	0.00	9,863	197.40	0.12
30.00	0.00	9,820	197.39	0.12
30.10	0.00	9,779	197.39	0.12
30.20	0.00	9,737	197.38	0.12
30.30	0.00	9,695	197.37	0.11
30.40	0.00	9,654	197.37	0.11
30.50	0.00	9,613	197.36	0.11
30.60	0.00	9,572	197.36	0.11
30.70	0.00	9,532	197.35	0.11
30.80	0.00	9,492	197.34	0.11
30.90	0.00	9,452	197.34	0.11
31.00	0.00	9,412	197.33	0.11
31.10	0.00	9,373	197.33	0.11

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,333	197.32	0.11
31.30	0.00	9,294	197.32	0.11
31.40	0.00	9,256	197.31	0.11
31.50	0.00	9,217	197.31	0.11
31.60	0.00	9,179	197.30	0.11
31.70	0.00	9,141	197.30	0.11
31.80	0.00	9,103	197.29	0.10
31.90	0.00	9,066	197.28	0.10
32.00	0.00	9,028	197.28	0.10
32.10	0.00	8,991	197.27	0.10
32.20	0.00	8,955	197.27	0.10
32.30	0.00	8,918	197.26	0.10
32.40	0.00	8,882	197.26	0.10
32.50	0.00	8,846	197.25	0.10
32.60	0.00	8,810	197.25	0.10
32.70	0.00	8,775	197.24	0.10
32.80	0.00	8,739	197.24	0.10
32.90	0.00	8,704	197.23	0.10
33.00	0.00	8,669	197.23	0.10
33.10	0.00	8,635	197.22	0.10
33.20	0.00	8,601	197.22	0.09
33.30	0.00	8,567	197.21	0.09
33.40	0.00	8,533	197.21	0.09
33.50	0.00	8,499	197.20	0.09
33.60	0.00	8,466	197.20	0.09
33.70	0.00	8,433	197.19	0.09
33.80	0.00	8,400	197.19	0.09
33.90	0.00	8,368	197.19	0.09
34.00	0.00	8,335	197.18	0.09
34.10	0.00	8,303	197.18	0.09
34.20	0.00	8,271	197.17	0.09
34.30	0.00	8,240	197.17	0.09
34.40	0.00	8,209	197.16	0.09
34.50	0.00	8,178	197.16	0.09
34.60	0.00	8,147	197.15	0.09
34.70	0.00	8,116	197.15	0.08
34.80	0.00	8,086	197.15	0.08
34.90	0.00	8,056	197.14	0.08
35.00	0.00	8,026	197.14	0.08
35.10	0.00	7,996	197.13	0.08
35.20	0.00	7,967	197.13	0.08
35.30	0.00	7,938	197.12	0.08
35.40	0.00	7,909	197.12	0.08
35.50	0.00	7,880	197.12	0.08
35.60	0.00	7,852	197.11	0.08
35.70	0.00	7,824	197.11	0.08
35.80	0.00	7,796	197.10	0.08
35.90	0.00	7,769	197.10	0.08
36.00	0.00	7,741	197.10	0.08
36.10	0.00	7,714	197.09	0.07
36.20	0.00	7,687	197.09	0.07
36.30	0.00	7,661	197.09	0.07

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,634	197.08	0.07
36.50	0.00	7,608	197.08	0.07
36.60	0.00	7,582	197.07	0.07
36.70	0.00	7,557	197.07	0.07
36.80	0.00	7,531	197.07	0.07
36.90	0.00	7,506	197.06	0.07
37.00	0.00	7,481	197.06	0.07
37.10	0.00	7,457	197.06	0.07
37.20	0.00	7,432	197.05	0.07
37.30	0.00	7,408	197.05	0.07
37.40	0.00	7,384	197.05	0.07
37.50	0.00	7,361	197.04	0.07
37.60	0.00	7,337	197.04	0.06
37.70	0.00	7,314	197.04	0.06
37.80	0.00	7,291	197.03	0.06
37.90	0.00	7,269	197.03	0.06
38.00	0.00	7,246	197.03	0.06
38.10	0.00	7,224	197.02	0.06
38.20	0.00	7,202	197.02	0.06
38.30	0.00	7,181	197.02	0.06
38.40	0.00	7,159	197.01	0.06
38.50	0.00	7,138	197.01	0.06
38.60	0.00	7,117	197.01	0.06
38.70	0.00	7,097	197.01	0.06
38.80	0.00	7,076	197.00	0.06
38.90	0.00	7,056	197.00	0.06
39.00	0.00	7,036	197.00	0.06
39.10	0.00	7,016	196.99	0.05
39.20	0.00	6,997	196.99	0.05
39.30	0.00	6,978	196.99	0.05
39.40	0.00	6,959	196.99	0.05
39.50	0.00	6,940	196.98	0.05
39.60	0.00	6,922	196.98	0.05
39.70	0.00	6,904	196.98	0.05
39.80	0.00	6,886	196.98	0.05
39.90	0.00	6,868	196.97	0.05
40.00	0.00	6,851	196.97	0.05

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0	196.52	7,058	3,670
196.01	7,058	71	196.53	7,058	3,741
196.02	7,058	141	196.54	7,058	3,811
196.03	7,058	212	196.55	7,058	3,882
196.04	7,058	282	196.56	7,058	3,952
196.05	7,058	353	196.57	7,058	4,023
196.06	7,058	423	196.58	7,058	4,094
196.07	7,058	494	196.59	7,058	4,164
196.08	7,058	565	196.60	7,058	4,235
196.09	7,058	635	196.61	7,058	4,305
196.10	7,058	706	196.62	7,058	4,376
196.11	7,058	776	196.63	7,058	4,447
196.12	7,058	847	196.64	7,058	4,517
196.13	7,058	918	196.65	7,058	4,588
196.14	7,058	988	196.66	7,058	4,658
196.15	7,058	1,059	196.67	7,058	4,729
196.16	7,058	1,129	196.68	7,058	4,799
196.17	7,058	1,200	196.69	7,058	4,870
196.18	7,058	1,270	196.70	7,058	4,941
196.19	7,058	1,341	196.71	7,058	5,011
196.20	7,058	1,412	196.72	7,058	5,082
196.21	7,058	1,482	196.73	7,058	5,152
196.22	7,058	1,553	196.74	7,058	5,223
196.23	7,058	1,623	196.75	7,058	5,294
196.24	7,058	1,694	196.76	7,058	5,364
196.25	7,058	1,765	196.77	7,058	5,435
196.26	7,058	1,835	196.78	7,058	5,505
196.27	7,058	1,906	196.79	7,058	5,576
196.28	7,058	1,976	196.80	7,058	5,646
196.29	7,058	2,047	196.81	7,058	5,717
196.30	7,058	2,117	196.82	7,058	5,788
196.31	7,058	2,188	196.83	7,058	5,858
196.32	7,058	2,259	196.84	7,058	5,929
196.33	7,058	2,329	196.85	7,058	5,999
196.34	7,058	2,400	196.86	7,058	6,070
196.35	7,058	2,470	196.87	7,058	6,140
196.36	7,058	2,541	196.88	7,058	6,211
196.37	7,058	2,611	196.89	7,058	6,282
196.38	7,058	2,682	196.90	7,058	6,352
196.39	7,058	2,753	196.91	7,058	6,423
196.40	7,058	2,823	196.92	7,058	6,493
196.41	7,058	2,894	196.93	7,058	6,564
196.42	7,058	2,964	196.94	7,058	6,635
196.43	7,058	3,035	196.95	7,058	6,705
196.44	7,058	3,106	196.96	7,058	6,776
196.45	7,058	3,176	196.97	7,058	6,846
196.46	7,058	3,247	196.98	7,058	6,917
196.47	7,058	3,317	196.99	7,058	6,987
196.48	7,058	3,388	197.00	7,058	7,058
196.49	7,058	3,458	197.01	7,058	7,129
196.50	7,058	3,529	197.02	7,058	7,199
196.51	7,058	3,600	197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 2.45" for Future 2 yr event
Inflow = 6.05 cfs @ 12.07 hrs, Volume= 0.384 af
Outflow = 0.17 cfs @ 14.98 hrs, Volume= 0.282 af, Atten= 97%, Lag= 174.9 min
Primary = 0.17 cfs @ 14.98 hrs, Volume= 0.282 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.75' @ 14.98 hrs Surf.Area= 6,681 sf Storage= 11,715 cf

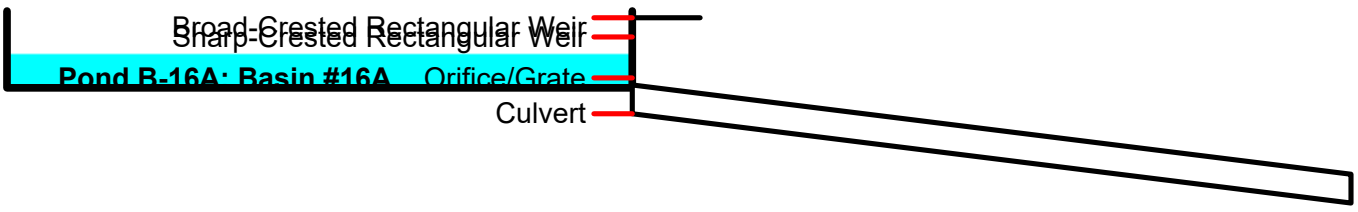
Plug-Flow detention time= 701.1 min calculated for 0.282 af (74% of inflow)
Center-of-Mass det. time= 604.6 min (1,387.1 - 782.5)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

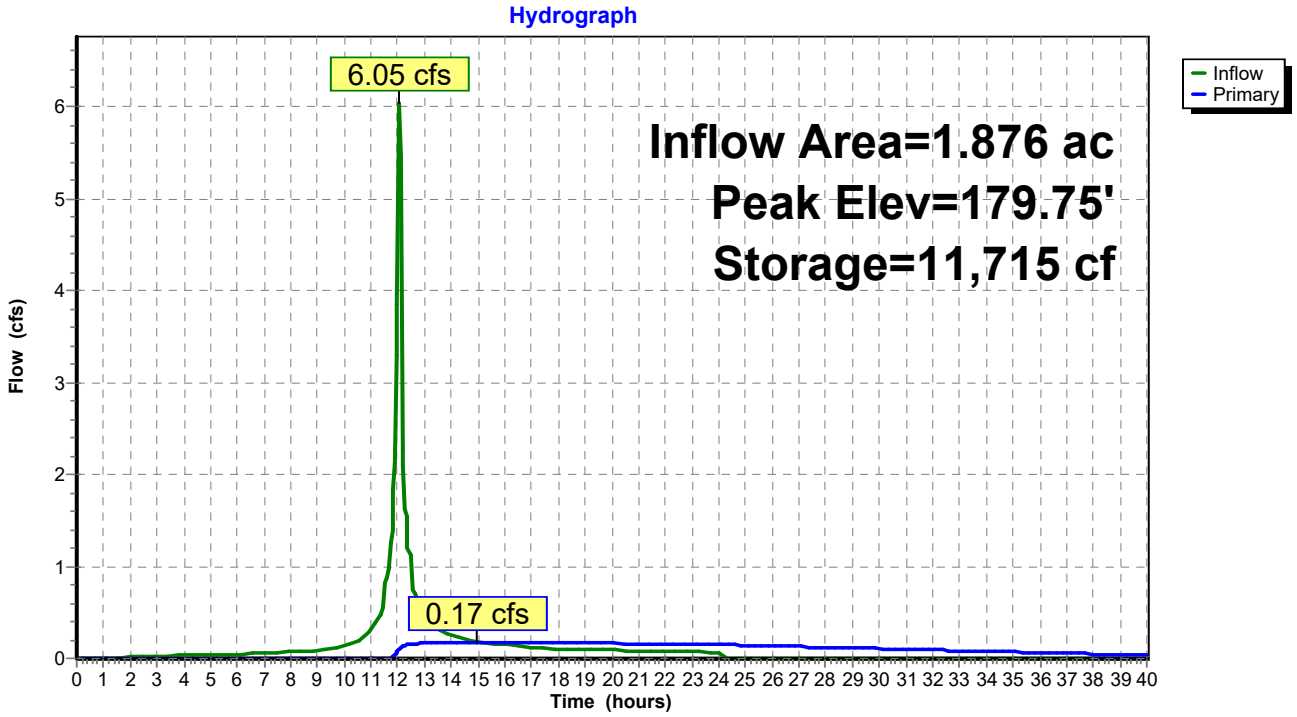
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 14.98 hrs HW=179.75' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 13.05 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.12 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	0	178.00	0.00
1.00	0.00	0	178.00	0.00
1.10	0.00	0	178.00	0.00
1.20	0.00	1	178.00	0.00
1.30	0.00	3	178.00	0.00
1.40	0.01	5	178.00	0.00
1.50	0.01	7	178.00	0.00
1.60	0.01	10	178.00	0.00
1.70	0.01	13	178.00	0.00
1.80	0.01	17	178.00	0.00
1.90	0.01	21	178.00	0.00
2.00	0.01	26	178.00	0.00
2.10	0.01	31	178.00	0.00
2.20	0.02	36	178.01	0.00
2.30	0.02	42	178.01	0.00
2.40	0.02	48	178.01	0.00
2.50	0.02	54	178.01	0.00
2.60	0.02	61	178.01	0.00
2.70	0.02	68	178.01	0.00
2.80	0.02	76	178.01	0.00
2.90	0.02	84	178.01	0.00
3.00	0.02	92	178.01	0.00
3.10	0.02	101	178.02	0.00
3.20	0.02	109	178.02	0.00
3.30	0.03	118	178.02	0.00
3.40	0.03	128	178.02	0.00
3.50	0.03	137	178.02	0.00
3.60	0.03	147	178.02	0.00
3.70	0.03	158	178.02	0.00
3.80	0.03	168	178.03	0.00
3.90	0.03	179	178.03	0.00
4.00	0.03	190	178.03	0.00
4.10	0.03	201	178.03	0.00
4.20	0.03	213	178.03	0.00
4.30	0.03	225	178.03	0.00
4.40	0.03	237	178.04	0.00
4.50	0.03	249	178.04	0.00
4.60	0.03	261	178.04	0.00
4.70	0.04	274	178.04	0.00
4.80	0.04	287	178.04	0.00
4.90	0.04	300	178.04	0.00
5.00	0.04	314	178.05	0.00
5.10	0.04	327	178.05	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	341	178.05	0.00
5.30	0.04	355	178.05	0.00
5.40	0.04	369	178.06	0.00
5.50	0.04	384	178.06	0.00
5.60	0.04	398	178.06	0.00
5.70	0.04	413	178.06	0.00
5.80	0.04	428	178.06	0.00
5.90	0.04	444	178.07	0.00
6.00	0.04	459	178.07	0.00
6.10	0.04	475	178.07	0.00
6.20	0.05	491	178.07	0.00
6.30	0.05	508	178.08	0.00
6.40	0.05	526	178.08	0.00
6.50	0.05	544	178.08	0.00
6.60	0.05	562	178.08	0.00
6.70	0.05	581	178.09	0.00
6.80	0.05	600	178.09	0.00
6.90	0.06	620	178.09	0.00
7.00	0.06	640	178.10	0.00
7.10	0.06	661	178.10	0.00
7.20	0.06	683	178.10	0.00
7.30	0.06	705	178.11	0.00
7.40	0.06	727	178.11	0.00
7.50	0.06	750	178.11	0.00
7.60	0.07	773	178.12	0.00
7.70	0.07	797	178.12	0.00
7.80	0.07	822	178.12	0.00
7.90	0.07	847	178.13	0.00
8.00	0.07	872	178.13	0.00
8.10	0.07	898	178.13	0.00
8.20	0.07	925	178.14	0.00
8.30	0.08	952	178.14	0.00
8.40	0.08	979	178.15	0.00
8.50	0.08	1,007	178.15	0.00
8.60	0.08	1,036	178.16	0.00
8.70	0.08	1,065	178.16	0.00
8.80	0.08	1,095	178.16	0.00
8.90	0.08	1,125	178.17	0.00
9.00	0.09	1,155	178.17	0.00
9.10	0.09	1,188	178.18	0.00
9.20	0.10	1,221	178.18	0.00
9.30	0.10	1,257	178.19	0.00
9.40	0.11	1,294	178.19	0.00
9.50	0.11	1,334	178.20	0.00
9.60	0.12	1,375	178.21	0.00
9.70	0.12	1,417	178.21	0.00
9.80	0.13	1,462	178.22	0.00
9.90	0.13	1,508	178.23	0.00
10.00	0.14	1,556	178.23	0.00
10.10	0.14	1,606	178.24	0.00
10.20	0.15	1,659	178.25	0.00
10.30	0.16	1,714	178.26	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.16	1,771	178.27	0.00
10.50	0.17	1,832	178.27	0.00
10.60	0.19	1,899	178.28	0.00
10.70	0.22	1,974	178.30	0.00
10.80	0.24	2,058	178.31	0.00
10.90	0.27	2,151	178.32	0.00
11.00	0.30	2,253	178.34	0.00
11.10	0.34	2,369	178.35	0.00
11.20	0.39	2,503	178.37	0.00
11.30	0.44	2,654	178.40	0.00
11.40	0.49	2,823	178.42	0.00
11.50	0.58	3,013	178.45	0.00
11.60	0.85	3,290	178.49	0.00
11.70	0.97	3,615	178.54	0.00
11.80	1.39	4,053	178.61	0.01
11.90	2.12	4,688	178.70	0.05
12.00	**3.85**	5,798	178.87	0.08
12.10	**5.48**	7,666	179.15	0.12
12.20	2.11	8,715	179.30	0.14
12.30	1.54	9,285	179.39	0.14
12.40	1.18	9,693	179.45	0.15
12.50	1.07	10,046	179.50	0.15
12.60	0.73	10,288	179.54	0.16
12.70	0.69	10,484	179.57	0.16
12.80	0.63	10,660	179.60	0.16
12.90	0.57	10,814	179.62	0.16
13.00	0.51	10,945	179.64	0.17
13.10	0.45	11,055	179.65	0.17
13.20	0.42	11,151	179.67	0.17
13.30	0.39	11,234	179.68	0.17
13.40	0.36	11,305	179.69	0.17
13.50	0.32	11,364	179.70	0.17
13.60	0.29	11,412	179.71	0.17
13.70	0.29	11,454	179.71	0.17
13.80	0.28	11,493	179.72	0.17
13.90	0.27	11,530	179.73	0.17
14.00	0.26	11,562	179.73	0.17
14.10	0.25	11,592	179.74	0.17
14.20	0.24	11,618	179.74	0.17
14.30	0.23	11,642	179.74	0.17
14.40	0.23	11,662	179.75	0.17
14.50	0.22	11,679	179.75	0.17
14.60	0.21	11,692	179.75	0.17
14.70	0.20	11,703	179.75	0.17
14.80	0.19	11,710	179.75	0.17
14.90	0.18	11,714	179.75	0.17
15.00	0.17	**11,715**	**179.75**	**0.17**
15.10	0.17	11,713	179.75	0.17
15.20	0.16	11,710	179.75	0.17
15.30	0.16	11,706	179.75	0.17
15.40	0.16	11,701	179.75	0.17
15.50	0.16	11,695	179.75	0.17

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	11,689	179.75	0.17
15.70	0.15	11,682	179.75	0.17
15.80	0.15	11,673	179.75	0.17
15.90	0.15	11,665	179.75	0.17
16.00	0.15	11,655	179.74	0.17
16.10	0.14	11,644	179.74	0.17
16.20	0.14	11,633	179.74	0.17
16.30	0.14	11,621	179.74	0.17
16.40	0.14	11,609	179.74	0.17
16.50	0.13	11,595	179.74	0.17
16.60	0.13	11,581	179.73	0.17
16.70	0.13	11,566	179.73	0.17
16.80	0.13	11,550	179.73	0.17
16.90	0.13	11,533	179.73	0.17
17.00	0.12	11,516	179.72	0.17
17.10	0.12	11,498	179.72	0.17
17.20	0.12	11,479	179.72	0.17
17.30	0.12	11,459	179.72	0.17
17.40	0.11	11,438	179.71	0.17
17.50	0.11	11,417	179.71	0.17
17.60	0.11	11,395	179.71	0.17
17.70	0.11	11,373	179.70	0.17
17.80	0.10	11,349	179.70	0.17
17.90	0.10	11,325	179.70	0.17
18.00	0.10	11,300	179.69	0.17
18.10	0.10	11,274	179.69	0.17
18.20	0.10	11,248	179.68	0.17
18.30	0.10	11,222	179.68	0.17
18.40	0.10	11,196	179.68	0.17
18.50	0.10	11,170	179.67	0.17
18.60	0.09	11,144	179.67	0.17
18.70	0.09	11,117	179.66	0.17
18.80	0.09	11,091	179.66	0.17
18.90	0.09	11,064	179.66	0.17
19.00	0.09	11,038	179.65	0.17
19.10	0.09	11,011	179.65	0.17
19.20	0.09	10,984	179.64	0.17
19.30	0.09	10,957	179.64	0.17
19.40	0.09	10,930	179.64	0.17
19.50	0.09	10,903	179.63	0.16
19.60	0.09	10,876	179.63	0.16
19.70	0.09	10,849	179.62	0.16
19.80	0.09	10,821	179.62	0.16
19.90	0.09	10,794	179.62	0.16
20.00	0.09	10,766	179.61	0.16
20.10	0.09	10,739	179.61	0.16
20.20	0.09	10,711	179.60	0.16
20.30	0.08	10,683	179.60	0.16
20.40	0.08	10,655	179.59	0.16
20.50	0.08	10,627	179.59	0.16
20.60	0.08	10,600	179.59	0.16
20.70	0.08	10,571	179.58	0.16

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	10,543	179.58	0.16
20.90	0.08	10,515	179.57	0.16
21.00	0.08	10,487	179.57	0.16
21.10	0.08	10,458	179.57	0.16
21.20	0.08	10,430	179.56	0.16
21.30	0.08	10,401	179.56	0.16
21.40	0.08	10,372	179.55	0.16
21.50	0.08	10,344	179.55	0.16
21.60	0.08	10,315	179.54	0.16
21.70	0.08	10,286	179.54	0.16
21.80	0.08	10,257	179.54	0.16
21.90	0.08	10,228	179.53	0.16
22.00	0.07	10,199	179.53	0.16
22.10	0.07	10,169	179.52	0.16
22.20	0.07	10,140	179.52	0.16
22.30	0.07	10,111	179.51	0.15
22.40	0.07	10,081	179.51	0.15
22.50	0.07	10,052	179.50	0.15
22.60	0.07	10,022	179.50	0.15
22.70	0.07	9,993	179.50	0.15
22.80	0.07	9,963	179.49	0.15
22.90	0.07	9,933	179.49	0.15
23.00	0.07	9,903	179.48	0.15
23.10	0.07	9,873	179.48	0.15
23.20	0.07	9,843	179.47	0.15
23.30	0.07	9,813	179.47	0.15
23.40	0.07	9,783	179.46	0.15
23.50	0.07	9,753	179.46	0.15
23.60	0.07	9,722	179.46	0.15
23.70	0.07	9,692	179.45	0.15
23.80	0.06	9,661	179.45	0.15
23.90	0.07	9,631	179.44	0.15
24.00	0.07	9,604	179.44	0.15
24.10	0.00	9,557	179.43	0.15
24.20	0.00	9,504	179.42	0.15
24.30	0.00	9,451	179.41	0.15
24.40	0.00	9,399	179.41	0.15
24.50	0.00	9,347	179.40	0.14
24.60	0.00	9,295	179.39	0.14
24.70	0.00	9,243	179.38	0.14
24.80	0.00	9,192	179.38	0.14
24.90	0.00	9,141	179.37	0.14
25.00	0.00	9,090	179.36	0.14
25.10	0.00	9,039	179.35	0.14
25.20	0.00	8,989	179.35	0.14
25.30	0.00	8,939	179.34	0.14
25.40	0.00	8,889	179.33	0.14
25.50	0.00	8,840	179.32	0.14
25.60	0.00	8,790	179.32	0.14
25.70	0.00	8,741	179.31	0.14
25.80	0.00	8,693	179.30	0.14
25.90	0.00	8,644	179.29	0.13

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,596	179.29	0.13
26.10	0.00	8,548	179.28	0.13
26.20	0.00	8,500	179.27	0.13
26.30	0.00	8,453	179.27	0.13
26.40	0.00	8,406	179.26	0.13
26.50	0.00	8,359	179.25	0.13
26.60	0.00	8,312	179.24	0.13
26.70	0.00	8,266	179.24	0.13
26.80	0.00	8,220	179.23	0.13
26.90	0.00	8,174	179.22	0.13
27.00	0.00	8,128	179.22	0.13
27.10	0.00	8,083	179.21	0.13
27.20	0.00	8,038	179.20	0.12
27.30	0.00	7,993	179.20	0.12
27.40	0.00	7,948	179.19	0.12
27.50	0.00	7,904	179.18	0.12
27.60	0.00	7,860	179.18	0.12
27.70	0.00	7,816	179.17	0.12
27.80	0.00	7,773	179.16	0.12
27.90	0.00	7,729	179.16	0.12
28.00	0.00	7,686	179.15	0.12
28.10	0.00	7,644	179.14	0.12
28.20	0.00	7,601	179.14	0.12
28.30	0.00	7,559	179.13	0.12
28.40	0.00	7,517	179.13	0.12
28.50	0.00	7,475	179.12	0.12
28.60	0.00	7,434	179.11	0.11
28.70	0.00	7,393	179.11	0.11
28.80	0.00	7,352	179.10	0.11
28.90	0.00	7,311	179.09	0.11
29.00	0.00	7,271	179.09	0.11
29.10	0.00	7,231	179.08	0.11
29.20	0.00	7,191	179.08	0.11
29.30	0.00	7,151	179.07	0.11
29.40	0.00	7,112	179.06	0.11
29.50	0.00	7,073	179.06	0.11
29.60	0.00	7,034	179.05	0.11
29.70	0.00	6,995	179.05	0.11
29.80	0.00	6,957	179.04	0.11
29.90	0.00	6,919	179.04	0.11
30.00	0.00	6,881	179.03	0.10
30.10	0.00	6,844	179.02	0.10
30.20	0.00	6,807	179.02	0.10
30.30	0.00	6,770	179.01	0.10
30.40	0.00	6,733	179.01	0.10
30.50	0.00	6,696	179.00	0.10
30.60	0.00	6,660	179.00	0.10
30.70	0.00	6,624	178.99	0.10
30.80	0.00	6,589	178.99	0.10
30.90	0.00	6,553	178.98	0.10
31.00	0.00	6,518	178.98	0.10
31.10	0.00	6,483	178.97	0.10

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,449	178.97	0.10
31.30	0.00	6,414	178.96	0.10
31.40	0.00	6,380	178.95	0.09
31.50	0.00	6,346	178.95	0.09
31.60	0.00	6,313	178.94	0.09
31.70	0.00	6,279	178.94	0.09
31.80	0.00	6,246	178.93	0.09
31.90	0.00	6,214	178.93	0.09
32.00	0.00	6,181	178.93	0.09
32.10	0.00	6,149	178.92	0.09
32.20	0.00	6,117	178.92	0.09
32.30	0.00	6,085	178.91	0.09
32.40	0.00	6,053	178.91	0.09
32.50	0.00	6,022	178.90	0.09
32.60	0.00	5,991	178.90	0.09
32.70	0.00	5,961	178.89	0.08
32.80	0.00	5,930	178.89	0.08
32.90	0.00	5,900	178.88	0.08
33.00	0.00	5,870	178.88	0.08
33.10	0.00	5,840	178.87	0.08
33.20	0.00	5,811	178.87	0.08
33.30	0.00	5,782	178.87	0.08
33.40	0.00	5,753	178.86	0.08
33.50	0.00	5,724	178.86	0.08
33.60	0.00	5,696	178.85	0.08
33.70	0.00	5,668	178.85	0.08
33.80	0.00	5,640	178.84	0.08
33.90	0.00	5,612	178.84	0.08
34.00	0.00	5,585	178.84	0.08
34.10	0.00	5,558	178.83	0.07
34.20	0.00	5,531	178.83	0.07
34.30	0.00	5,505	178.82	0.07
34.40	0.00	5,479	178.82	0.07
34.50	0.00	5,453	178.82	0.07
34.60	0.00	5,427	178.81	0.07
34.70	0.00	5,401	178.81	0.07
34.80	0.00	5,376	178.80	0.07
34.90	0.00	5,351	178.80	0.07
35.00	0.00	5,327	178.80	0.07
35.10	0.00	5,302	178.79	0.07
35.20	0.00	5,278	178.79	0.07
35.30	0.00	5,254	178.79	0.07
35.40	0.00	5,230	178.78	0.07
35.50	0.00	5,207	178.78	0.06
35.60	0.00	5,184	178.78	0.06
35.70	0.00	5,161	178.77	0.06
35.80	0.00	5,138	178.77	0.06
35.90	0.00	5,116	178.77	0.06
36.00	0.00	5,094	178.76	0.06
36.10	0.00	5,072	178.76	0.06
36.20	0.00	5,051	178.76	0.06
36.30	0.00	5,029	178.75	0.06

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,008	178.75	0.06
36.50	0.00	4,988	178.75	0.06
36.60	0.00	4,967	178.74	0.06
36.70	0.00	4,947	178.74	0.06
36.80	0.00	4,927	178.74	0.06
36.90	0.00	4,907	178.73	0.05
37.00	0.00	4,887	178.73	0.05
37.10	0.00	4,868	178.73	0.05
37.20	0.00	4,849	178.73	0.05
37.30	0.00	4,830	178.72	0.05
37.40	0.00	4,812	178.72	0.05
37.50	0.00	4,793	178.72	0.05
37.60	0.00	4,775	178.71	0.05
37.70	0.00	4,758	178.71	0.05
37.80	0.00	4,740	178.71	0.05
37.90	0.00	4,723	178.71	0.05
38.00	0.00	4,707	178.70	0.05
38.10	0.00	4,690	178.70	0.05
38.20	0.00	4,674	178.70	0.04
38.30	0.00	4,658	178.70	0.04
38.40	0.00	4,642	178.69	0.04
38.50	0.00	4,627	178.69	0.04
38.60	0.00	4,612	178.69	0.04
38.70	0.00	4,597	178.69	0.04
38.80	0.00	4,582	178.69	0.04
38.90	0.00	4,568	178.68	0.04
39.00	0.00	4,554	178.68	0.04
39.10	0.00	4,540	178.68	0.04
39.20	0.00	4,527	178.68	0.04
39.30	0.00	4,513	178.68	0.04
39.40	0.00	4,500	178.67	0.04
39.50	0.00	4,487	178.67	0.04
39.60	0.00	4,475	178.67	0.03
39.70	0.00	4,462	178.67	0.03
39.80	0.00	4,450	178.67	0.03
39.90	0.00	4,438	178.66	0.03
40.00	0.00	4,427	178.66	0.03

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896	180.60	6,681	17,371
180.09	6,681	13,963	180.61	6,681	17,437
180.10	6,681	14,030	180.62	6,681	17,504
180.11	6,681	14,097	180.63	6,681	17,571
180.12	6,681	14,164	180.64	6,681	17,638
180.13	6,681	14,231	180.65	6,681	17,705
180.14	6,681	14,297	180.66	6,681	17,771
180.15	6,681	14,364	180.67	6,681	17,838
180.16	6,681	14,431	180.68	6,681	17,905
180.17	6,681	14,498	180.69	6,681	17,972
180.18	6,681	14,565	180.70	6,681	18,039
180.19	6,681	14,631	180.71	6,681	18,106
180.20	6,681	14,698	180.72	6,681	18,172
180.21	6,681	14,765	180.73	6,681	18,239
180.22	6,681	14,832	180.74	6,681	18,306
180.23	6,681	14,899	180.75	6,681	18,373
180.24	6,681	14,965	180.76	6,681	18,440
180.25	6,681	15,032	180.77	6,681	18,506
180.26	6,681	15,099	180.78	6,681	18,573
180.27	6,681	15,166	180.79	6,681	18,640
180.28	6,681	15,233	180.80	6,681	18,707
180.29	6,681	15,299	180.81	6,681	18,774
180.30	6,681	15,366	180.82	6,681	18,840
180.31	6,681	15,433	180.83	6,681	18,907
180.32	6,681	15,500	180.84	6,681	18,974
180.33	6,681	15,567	180.85	6,681	19,041
180.34	6,681	15,634	180.86	6,681	19,108
180.35	6,681	15,700	180.87	6,681	19,174
180.36	6,681	15,767	180.88	6,681	19,241
180.37	6,681	15,834	180.89	6,681	19,308
180.38	6,681	15,901	180.90	6,681	19,375
180.39	6,681	15,968	180.91	6,681	19,442
180.40	6,681	16,034	180.92	6,681	19,509
180.41	6,681	16,101	180.93	6,681	19,575
180.42	6,681	16,168	180.94	6,681	19,642
180.43	6,681	16,235	180.95	6,681	19,709
180.44	6,681	16,302	180.96	6,681	19,776
180.45	6,681	16,368	180.97	6,681	19,843
180.46	6,681	16,435	180.98	6,681	19,909
180.47	6,681	16,502	180.99	6,681	19,976
180.48	6,681	16,569	181.00	6,681	20,043
180.49	6,681	16,636	181.01	6,681	20,110
180.50	6,681	16,703	181.02	6,681	20,177
180.51	6,681	16,769	181.03	6,681	20,243
180.52	6,681	16,836	181.04	6,681	20,310
180.53	6,681	16,903	181.05	6,681	20,377
180.54	6,681	16,970	181.06	6,681	20,444
180.55	6,681	17,037	181.07	6,681	20,511
180.56	6,681	17,103	181.08	6,681	20,577
180.57	6,681	17,170	181.09	6,681	20,644
180.58	6,681	17,237	181.10	6,681	20,711
180.59	6,681	17,304	181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 2.42" for Future 2 yr event
Inflow = 5.97 cfs @ 12.08 hrs, Volume= 0.378 af
Outflow = 0.18 cfs @ 14.94 hrs, Volume= 0.282 af, Atten= 97%, Lag= 171.6 min
Primary = 0.18 cfs @ 14.94 hrs, Volume= 0.282 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.81' @ 14.94 hrs Surf.Area= 6,329 sf Storage= 11,454 cf

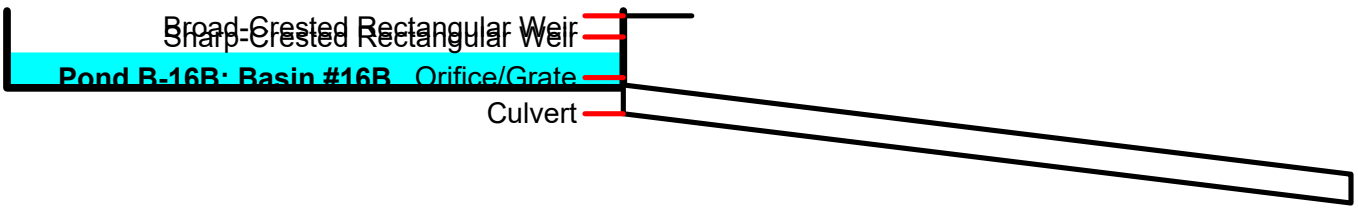
Plug-Flow detention time= 686.6 min calculated for 0.282 af (75% of inflow)
Center-of-Mass det. time= 591.9 min (1,377.0 - 785.1)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

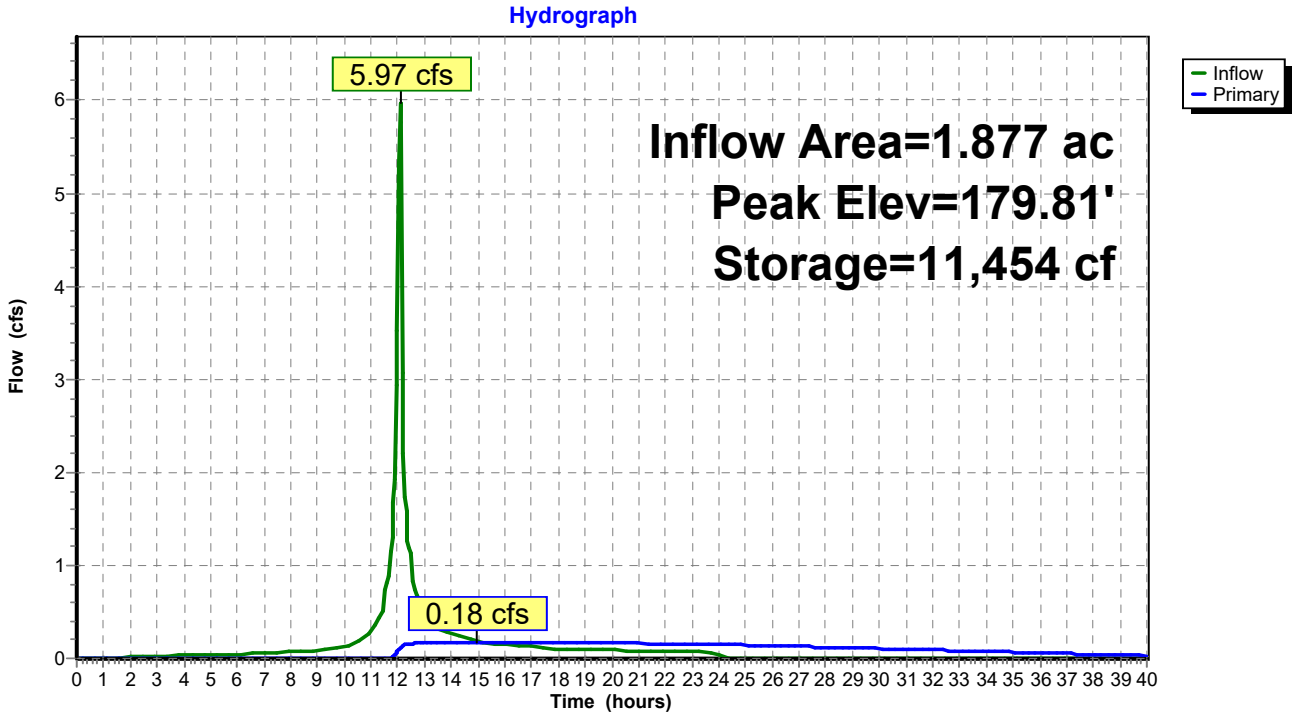
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.18 cfs @ 14.94 hrs HW=179.81' (Free Discharge)
- **1=Culvert** (Passes 0.18 cfs of 13.21 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.22 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	0	178.00	0.00
0.90	0.00	0	178.00	0.00
1.00	0.00	0	178.00	0.00
1.10	0.00	0	178.00	0.00
1.20	0.00	1	178.00	0.00
1.30	0.00	2	178.00	0.00
1.40	0.01	4	178.00	0.00
1.50	0.01	6	178.00	0.00
1.60	0.01	9	178.00	0.00
1.70	0.01	12	178.00	0.00
1.80	0.01	15	178.00	0.00
1.90	0.01	19	178.00	0.00
2.00	0.01	23	178.00	0.00
2.10	0.01	28	178.00	0.00
2.20	0.01	33	178.01	0.00
2.30	0.02	39	178.01	0.00
2.40	0.02	45	178.01	0.00
2.50	0.02	51	178.01	0.00
2.60	0.02	57	178.01	0.00
2.70	0.02	64	178.01	0.00
2.80	0.02	71	178.01	0.00
2.90	0.02	79	178.01	0.00
3.00	0.02	87	178.01	0.00
3.10	0.02	95	178.01	0.00
3.20	0.02	103	178.02	0.00
3.30	0.02	112	178.02	0.00
3.40	0.03	121	178.02	0.00
3.50	0.03	130	178.02	0.00
3.60	0.03	139	178.02	0.00
3.70	0.03	149	178.02	0.00
3.80	0.03	159	178.03	0.00
3.90	0.03	169	178.03	0.00
4.00	0.03	180	178.03	0.00
4.10	0.03	191	178.03	0.00
4.20	0.03	202	178.03	0.00
4.30	0.03	213	178.03	0.00
4.40	0.03	225	178.04	0.00
4.50	0.03	236	178.04	0.00
4.60	0.03	248	178.04	0.00
4.70	0.03	261	178.04	0.00
4.80	0.03	273	178.04	0.00
4.90	0.04	286	178.05	0.00
5.00	0.04	298	178.05	0.00
5.10	0.04	311	178.05	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	325	178.05	0.00
5.30	0.04	338	178.05	0.00
5.40	0.04	352	178.06	0.00
5.50	0.04	366	178.06	0.00
5.60	0.04	380	178.06	0.00
5.70	0.04	394	178.06	0.00
5.80	0.04	409	178.06	0.00
5.90	0.04	423	178.07	0.00
6.00	0.04	438	178.07	0.00
6.10	0.04	453	178.07	0.00
6.20	0.04	469	178.07	0.00
6.30	0.05	485	178.08	0.00
6.40	0.05	502	178.08	0.00
6.50	0.05	519	178.08	0.00
6.60	0.05	536	178.08	0.00
6.70	0.05	554	178.09	0.00
6.80	0.05	573	178.09	0.00
6.90	0.05	592	178.09	0.00
7.00	0.05	611	178.10	0.00
7.10	0.06	631	178.10	0.00
7.20	0.06	652	178.10	0.00
7.30	0.06	673	178.11	0.00
7.40	0.06	694	178.11	0.00
7.50	0.06	716	178.11	0.00
7.60	0.06	738	178.12	0.00
7.70	0.06	761	178.12	0.00
7.80	0.07	785	178.12	0.00
7.90	0.07	808	178.13	0.00
8.00	0.07	833	178.13	0.00
8.10	0.07	858	178.14	0.00
8.20	0.07	883	178.14	0.00
8.30	0.07	909	178.14	0.00
8.40	0.07	935	178.15	0.00
8.50	0.08	962	178.15	0.00
8.60	0.08	990	178.16	0.00
8.70	0.08	1,018	178.16	0.00
8.80	0.08	1,046	178.17	0.00
8.90	0.08	1,075	178.17	0.00
9.00	0.08	1,104	178.17	0.00
9.10	0.09	1,135	178.18	0.00
9.20	0.09	1,167	178.18	0.00
9.30	0.10	1,201	178.19	0.00
9.40	0.10	1,236	178.20	0.00
9.50	0.11	1,274	178.20	0.00
9.60	0.11	1,313	178.21	0.00
9.70	0.11	1,353	178.21	0.00
9.80	0.12	1,396	178.22	0.00
9.90	0.12	1,440	178.23	0.00
10.00	0.13	1,486	178.23	0.00
10.10	0.14	1,533	178.24	0.00
10.20	0.14	1,583	178.25	0.00
10.30	0.15	1,636	178.26	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.16	1,691	178.27	0.00
10.50	0.16	1,749	178.28	0.00
10.60	0.19	1,812	178.29	0.00
10.70	0.21	1,883	178.30	0.00
10.80	0.23	1,963	178.31	0.00
10.90	0.26	2,051	178.32	0.00
11.00	0.28	2,148	178.34	0.00
11.10	0.33	2,258	178.36	0.00
11.20	0.37	2,385	178.38	0.00
11.30	0.42	2,529	178.40	0.00
11.40	0.47	2,691	178.43	0.00
11.50	0.53	2,871	178.45	0.00
11.60	0.82	3,123	178.49	0.00
11.70	0.91	3,435	178.54	0.00
11.80	1.30	3,840	178.61	0.01
11.90	1.93	4,423	178.70	0.04
12.00	3.53	5,422	178.86	0.08
12.10	**5.77**	7,184	179.14	0.12
12.20	2.21	8,410	179.33	0.14
12.30	1.58	9,011	179.42	0.15
12.40	1.18	9,435	179.49	0.15
12.50	1.10	9,791	179.55	0.16
12.60	0.74	10,047	179.59	0.16
12.70	0.69	10,243	179.62	0.16
12.80	0.63	10,419	179.65	0.17
12.90	0.57	10,573	179.67	0.17
13.00	0.51	10,705	179.69	0.17
13.10	0.45	10,816	179.71	0.17
13.20	0.42	10,910	179.72	0.17
13.30	0.39	10,993	179.74	0.17
13.40	0.36	11,064	179.75	0.17
13.50	0.32	11,123	179.76	0.17
13.60	0.29	11,170	179.76	0.17
13.70	0.28	11,210	179.77	0.18
13.80	0.28	11,248	179.78	0.18
13.90	0.27	11,283	179.78	0.18
14.00	0.26	11,314	179.79	0.18
14.10	0.25	11,342	179.79	0.18
14.20	0.24	11,367	179.80	0.18
14.30	0.23	11,389	179.80	0.18
14.40	0.23	11,407	179.80	0.18
14.50	0.22	11,423	179.80	0.18
14.60	0.21	11,435	179.81	0.18
14.70	0.20	11,445	179.81	0.18
14.80	0.19	11,451	179.81	0.18
14.90	0.18	**11,454**	**179.81**	**0.18**
15.00	0.17	**11,453**	**179.81**	**0.18**
15.10	0.17	11,450	179.81	0.18
15.20	0.16	11,445	179.81	0.18
15.30	0.16	11,440	179.81	0.18
15.40	0.16	11,433	179.81	0.18
15.50	0.16	11,426	179.81	0.18

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.15	11,418	179.80	0.18
15.70	0.15	11,409	179.80	0.18
15.80	0.15	11,400	179.80	0.18
15.90	0.15	11,389	179.80	0.18
16.00	0.15	11,378	179.80	0.18
16.10	0.14	11,367	179.80	0.18
16.20	0.14	11,354	179.79	0.18
16.30	0.14	11,341	179.79	0.18
16.40	0.14	11,327	179.79	0.18
16.50	0.13	11,312	179.79	0.18
16.60	0.13	11,296	179.78	0.18
16.70	0.13	11,280	179.78	0.18
16.80	0.13	11,262	179.78	0.18
16.90	0.13	11,244	179.78	0.18
17.00	0.12	11,226	179.77	0.18
17.10	0.12	11,206	179.77	0.17
17.20	0.12	11,186	179.77	0.17
17.30	0.12	11,165	179.76	0.17
17.40	0.11	11,144	179.76	0.17
17.50	0.11	11,121	179.76	0.17
17.60	0.11	11,098	179.75	0.17
17.70	0.11	11,074	179.75	0.17
17.80	0.10	11,050	179.75	0.17
17.90	0.10	11,024	179.74	0.17
18.00	0.10	10,998	179.74	0.17
18.10	0.10	10,971	179.73	0.17
18.20	0.10	10,944	179.73	0.17
18.30	0.10	10,917	179.72	0.17
18.40	0.10	10,890	179.72	0.17
18.50	0.09	10,863	179.72	0.17
18.60	0.09	10,835	179.71	0.17
18.70	0.09	10,808	179.71	0.17
18.80	0.09	10,780	179.70	0.17
18.90	0.09	10,752	179.70	0.17
19.00	0.09	10,725	179.69	0.17
19.10	0.09	10,697	179.69	0.17
19.20	0.09	10,669	179.69	0.17
19.30	0.09	10,641	179.68	0.17
19.40	0.09	10,613	179.68	0.17
19.50	0.09	10,585	179.67	0.17
19.60	0.09	10,556	179.67	0.17
19.70	0.09	10,528	179.66	0.17
19.80	0.09	10,500	179.66	0.17
19.90	0.09	10,471	179.65	0.17
20.00	0.09	10,443	179.65	0.17
20.10	0.09	10,414	179.65	0.17
20.20	0.08	10,386	179.64	0.16
20.30	0.08	10,357	179.64	0.16
20.40	0.08	10,328	179.63	0.16
20.50	0.08	10,299	179.63	0.16
20.60	0.08	10,270	179.62	0.16
20.70	0.08	10,241	179.62	0.16

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	10,212	179.61	0.16
20.90	0.08	10,183	179.61	0.16
21.00	0.08	10,154	179.60	0.16
21.10	0.08	10,124	179.60	0.16
21.20	0.08	10,095	179.60	0.16
21.30	0.08	10,066	179.59	0.16
21.40	0.08	10,036	179.59	0.16
21.50	0.08	10,007	179.58	0.16
21.60	0.08	9,977	179.58	0.16
21.70	0.08	9,947	179.57	0.16
21.80	0.08	9,917	179.57	0.16
21.90	0.08	9,888	179.56	0.16
22.00	0.07	9,858	179.56	0.16
22.10	0.07	9,828	179.55	0.16
22.20	0.07	9,798	179.55	0.16
22.30	0.07	9,768	179.54	0.16
22.40	0.07	9,737	179.54	0.16
22.50	0.07	9,707	179.53	0.16
22.60	0.07	9,677	179.53	0.16
22.70	0.07	9,647	179.52	0.15
22.80	0.07	9,616	179.52	0.15
22.90	0.07	9,585	179.51	0.15
23.00	0.07	9,555	179.51	0.15
23.10	0.07	9,524	179.50	0.15
23.20	0.07	9,494	179.50	0.15
23.30	0.07	9,463	179.50	0.15
23.40	0.07	9,432	179.49	0.15
23.50	0.07	9,401	179.49	0.15
23.60	0.07	9,370	179.48	0.15
23.70	0.06	9,339	179.48	0.15
23.80	0.06	9,308	179.47	0.15
23.90	0.06	9,277	179.47	0.15
24.00	0.07	9,249	179.46	0.15
24.10	0.00	9,205	179.45	0.15
24.20	0.00	9,152	179.45	0.15
24.30	0.00	9,099	179.44	0.15
24.40	0.00	9,046	179.43	0.15
24.50	0.00	8,993	179.42	0.15
24.60	0.00	8,941	179.41	0.14
24.70	0.00	8,889	179.40	0.14
24.80	0.00	8,837	179.40	0.14
24.90	0.00	8,786	179.39	0.14
25.00	0.00	8,735	179.38	0.14
25.10	0.00	8,684	179.37	0.14
25.20	0.00	8,633	179.36	0.14
25.30	0.00	8,583	179.36	0.14
25.40	0.00	8,533	179.35	0.14
25.50	0.00	8,483	179.34	0.14
25.60	0.00	8,434	179.33	0.14
25.70	0.00	8,384	179.32	0.14
25.80	0.00	8,335	179.32	0.14
25.90	0.00	8,287	179.31	0.13

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,238	179.30	0.13
26.10	0.00	8,190	179.29	0.13
26.20	0.00	8,142	179.29	0.13
26.30	0.00	8,095	179.28	0.13
26.40	0.00	8,047	179.27	0.13
26.50	0.00	8,000	179.26	0.13
26.60	0.00	7,954	179.26	0.13
26.70	0.00	7,907	179.25	0.13
26.80	0.00	7,861	179.24	0.13
26.90	0.00	7,815	179.23	0.13
27.00	0.00	7,769	179.23	0.13
27.10	0.00	7,724	179.22	0.13
27.20	0.00	7,679	179.21	0.12
27.30	0.00	7,634	179.21	0.12
27.40	0.00	7,590	179.20	0.12
27.50	0.00	7,545	179.19	0.12
27.60	0.00	7,501	179.19	0.12
27.70	0.00	7,458	179.18	0.12
27.80	0.00	7,414	179.17	0.12
27.90	0.00	7,371	179.16	0.12
28.00	0.00	7,328	179.16	0.12
28.10	0.00	7,285	179.15	0.12
28.20	0.00	7,243	179.14	0.12
28.30	0.00	7,201	179.14	0.12
28.40	0.00	7,159	179.13	0.12
28.50	0.00	7,118	179.12	0.11
28.60	0.00	7,076	179.12	0.11
28.70	0.00	7,036	179.11	0.11
28.80	0.00	6,995	179.11	0.11
28.90	0.00	6,954	179.10	0.11
29.00	0.00	6,914	179.09	0.11
29.10	0.00	6,874	179.09	0.11
29.20	0.00	6,835	179.08	0.11
29.30	0.00	6,796	179.07	0.11
29.40	0.00	6,757	179.07	0.11
29.50	0.00	6,718	179.06	0.11
29.60	0.00	6,679	179.06	0.11
29.70	0.00	6,641	179.05	0.11
29.80	0.00	6,603	179.04	0.10
29.90	0.00	6,565	179.04	0.10
30.00	0.00	6,528	179.03	0.10
30.10	0.00	6,491	179.03	0.10
30.20	0.00	6,454	179.02	0.10
30.30	0.00	6,418	179.01	0.10
30.40	0.00	6,381	179.01	0.10
30.50	0.00	6,345	179.00	0.10
30.60	0.00	6,310	179.00	0.10
30.70	0.00	6,274	178.99	0.10
30.80	0.00	6,239	178.99	0.10
30.90	0.00	6,204	178.98	0.10
31.00	0.00	6,170	178.97	0.10
31.10	0.00	6,135	178.97	0.10

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,101	178.96	0.09
31.30	0.00	6,067	178.96	0.09
31.40	0.00	6,034	178.95	0.09
31.50	0.00	6,001	178.95	0.09
31.60	0.00	5,968	178.94	0.09
31.70	0.00	5,935	178.94	0.09
31.80	0.00	5,903	178.93	0.09
31.90	0.00	5,870	178.93	0.09
32.00	0.00	5,839	178.92	0.09
32.10	0.00	5,807	178.92	0.09
32.20	0.00	5,776	178.91	0.09
32.30	0.00	5,745	178.91	0.09
32.40	0.00	5,714	178.90	0.09
32.50	0.00	5,683	178.90	0.08
32.60	0.00	5,653	178.89	0.08
32.70	0.00	5,623	178.89	0.08
32.80	0.00	5,594	178.88	0.08
32.90	0.00	5,564	178.88	0.08
33.00	0.00	5,535	178.87	0.08
33.10	0.00	5,506	178.87	0.08
33.20	0.00	5,478	178.87	0.08
33.30	0.00	5,450	178.86	0.08
33.40	0.00	5,422	178.86	0.08
33.50	0.00	5,394	178.85	0.08
33.60	0.00	5,366	178.85	0.08
33.70	0.00	5,339	178.84	0.08
33.80	0.00	5,312	178.84	0.07
33.90	0.00	5,286	178.84	0.07
34.00	0.00	5,259	178.83	0.07
34.10	0.00	5,233	178.83	0.07
34.20	0.00	5,208	178.82	0.07
34.30	0.00	5,182	178.82	0.07
34.40	0.00	5,157	178.81	0.07
34.50	0.00	5,132	178.81	0.07
34.60	0.00	5,107	178.81	0.07
34.70	0.00	5,083	178.80	0.07
34.80	0.00	5,059	178.80	0.07
34.90	0.00	5,035	178.80	0.07
35.00	0.00	5,011	178.79	0.07
35.10	0.00	4,988	178.79	0.06
35.20	0.00	4,965	178.78	0.06
35.30	0.00	4,942	178.78	0.06
35.40	0.00	4,920	178.78	0.06
35.50	0.00	4,898	178.77	0.06
35.60	0.00	4,876	178.77	0.06
35.70	0.00	4,854	178.77	0.06
35.80	0.00	4,833	178.76	0.06
35.90	0.00	4,812	178.76	0.06
36.00	0.00	4,791	178.76	0.06
36.10	0.00	4,770	178.75	0.06
36.20	0.00	4,750	178.75	0.06
36.30	0.00	4,730	178.75	0.06

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,710	178.74	0.05
36.50	0.00	4,691	178.74	0.05
36.60	0.00	4,672	178.74	0.05
36.70	0.00	4,653	178.74	0.05
36.80	0.00	4,634	178.73	0.05
36.90	0.00	4,616	178.73	0.05
37.00	0.00	4,598	178.73	0.05
37.10	0.00	4,580	178.72	0.05
37.20	0.00	4,562	178.72	0.05
37.30	0.00	4,545	178.72	0.05
37.40	0.00	4,528	178.72	0.05
37.50	0.00	4,511	178.71	0.05
37.60	0.00	4,495	178.71	0.05
37.70	0.00	4,479	178.71	0.04
37.80	0.00	4,463	178.71	0.04
37.90	0.00	4,448	178.70	0.04
38.00	0.00	4,432	178.70	0.04
38.10	0.00	4,418	178.70	0.04
38.20	0.00	4,403	178.70	0.04
38.30	0.00	4,389	178.69	0.04
38.40	0.00	4,375	178.69	0.04
38.50	0.00	4,361	178.69	0.04
38.60	0.00	4,348	178.69	0.04
38.70	0.00	4,334	178.68	0.04
38.80	0.00	4,321	178.68	0.04
38.90	0.00	4,309	178.68	0.03
39.00	0.00	4,296	178.68	0.03
39.10	0.00	4,284	178.68	0.03
39.20	0.00	4,272	178.68	0.03
39.30	0.00	4,260	178.67	0.03
39.40	0.00	4,249	178.67	0.03
39.50	0.00	4,238	178.67	0.03
39.60	0.00	4,227	178.67	0.03
39.70	0.00	4,216	178.67	0.03
39.80	0.00	4,205	178.66	0.03
39.90	0.00	4,195	178.66	0.03
40.00	0.00	4,185	178.66	0.03

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 1.80" for Future 2 yr event
Inflow = 3.32 cfs @ 12.09 hrs, Volume= 0.198 af
Outflow = 0.13 cfs @ 14.62 hrs, Volume= 0.167 af, Atten= 96%, Lag= 151.7 min
Primary = 0.13 cfs @ 14.62 hrs, Volume= 0.167 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.90' @ 14.62 hrs Surf.Area= 6,398 sf Storage= 5,328 cf

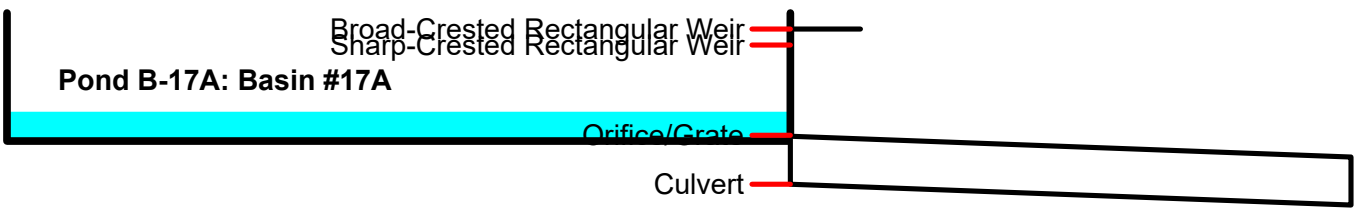
Plug-Flow detention time= 524.4 min calculated for 0.167 af (84% of inflow)
Center-of-Mass det. time= 452.9 min (1,274.8 - 821.9)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

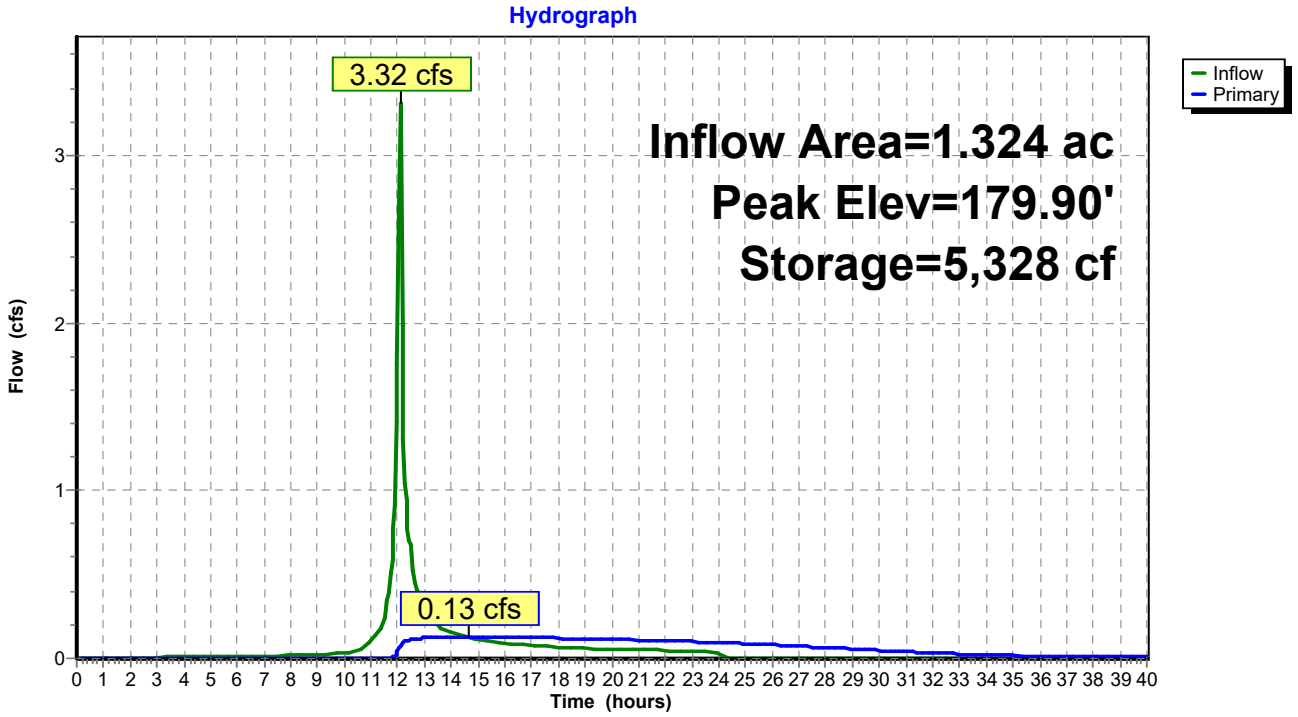
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 14.62 hrs HW=179.90' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 10.40 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.76 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	0	179.00	0.00
1.30	0.00	1	179.00	0.00
1.40	0.00	1	179.00	0.00
1.50	0.00	1	179.00	0.00
1.60	0.00	2	179.00	0.00
1.70	0.00	3	179.00	0.00
1.80	0.00	4	179.00	0.00
1.90	0.00	5	179.00	0.00
2.00	0.00	6	179.00	0.00
2.10	0.00	7	179.00	0.00
2.20	0.00	8	179.00	0.00
2.30	0.00	9	179.00	0.00
2.40	0.00	10	179.00	0.00
2.50	0.00	12	179.00	0.00
2.60	0.00	13	179.00	0.00
2.70	0.00	15	179.00	0.00
2.80	0.00	17	179.00	0.00
2.90	0.00	19	179.00	0.00
3.00	0.01	20	179.00	0.00
3.10	0.01	22	179.00	0.00
3.20	0.01	24	179.00	0.00
3.30	0.01	26	179.00	0.00
3.40	0.01	28	179.01	0.00
3.50	0.01	31	179.01	0.00
3.60	0.01	33	179.01	0.00
3.70	0.01	35	179.01	0.00
3.80	0.01	37	179.01	0.00
3.90	0.01	40	179.01	0.00
4.00	0.01	42	179.01	0.00
4.10	0.01	45	179.01	0.00
4.20	0.01	47	179.01	0.00
4.30	0.01	50	179.01	0.00
4.40	0.01	53	179.01	0.00
4.50	0.01	56	179.01	0.00
4.60	0.01	58	179.01	0.00
4.70	0.01	61	179.01	0.00
4.80	0.01	64	179.01	0.00
4.90	0.01	67	179.01	0.00
5.00	0.01	70	179.01	0.00
5.10	0.01	73	179.01	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.01	76	179.01	0.00
5.30	0.01	80	179.01	0.00
5.40	0.01	83	179.01	0.00
5.50	0.01	86	179.02	0.00
5.60	0.01	89	179.02	0.00
5.70	0.01	93	179.02	0.00
5.80	0.01	96	179.02	0.00
5.90	0.01	100	179.02	0.00
6.00	0.01	103	179.02	0.00
6.10	0.01	107	179.02	0.00
6.20	0.01	110	179.02	0.00
6.30	0.01	114	179.02	0.00
6.40	0.01	118	179.02	0.00
6.50	0.01	122	179.02	0.00
6.60	0.01	126	179.02	0.00
6.70	0.01	130	179.02	0.00
6.80	0.01	135	179.02	0.00
6.90	0.01	139	179.03	0.00
7.00	0.01	144	179.03	0.00
7.10	0.01	148	179.03	0.00
7.20	0.01	153	179.03	0.00
7.30	0.01	158	179.03	0.00
7.40	0.01	163	179.03	0.00
7.50	0.01	168	179.03	0.00
7.60	0.01	174	179.03	0.00
7.70	0.02	179	179.03	0.00
7.80	0.02	185	179.03	0.00
7.90	0.02	190	179.03	0.00
8.00	0.02	196	179.04	0.00
8.10	0.02	202	179.04	0.00
8.20	0.02	208	179.04	0.00
8.30	0.02	214	179.04	0.00
8.40	0.02	220	179.04	0.00
8.50	0.02	226	179.04	0.00
8.60	0.02	233	179.04	0.00
8.70	0.02	239	179.04	0.00
8.80	0.02	246	179.04	0.00
8.90	0.02	253	179.05	0.00
9.00	0.02	260	179.05	0.00
9.10	0.02	267	179.05	0.00
9.20	0.02	274	179.05	0.00
9.30	0.02	282	179.05	0.00
9.40	0.02	291	179.05	0.00
9.50	0.02	300	179.05	0.00
9.60	0.03	309	179.06	0.00
9.70	0.03	318	179.06	0.00
9.80	0.03	328	179.06	0.00
9.90	0.03	339	179.06	0.00
10.00	0.03	349	179.06	0.00
10.10	0.03	361	179.07	0.00
10.20	0.04	373	179.07	0.00
10.30	0.04	387	179.07	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.04	401	179.07	0.00
10.50	0.05	417	179.08	0.00
10.60	0.05	435	179.08	0.00
10.70	0.06	457	179.08	0.00
10.80	0.07	481	179.09	0.00
10.90	0.08	510	179.09	0.00
11.00	0.10	542	179.10	0.00
11.10	0.11	580	179.10	0.00
11.20	0.14	626	179.11	0.00
11.30	0.16	679	179.12	0.00
11.40	0.19	742	179.13	0.00
11.50	0.21	813	179.15	0.00
11.60	0.35	917	179.16	0.00
11.70	0.40	1,051	179.19	0.00
11.80	0.59	1,232	179.22	0.00
11.90	0.91	1,504	179.27	0.01
12.00	1.75	1,988	179.35	0.04
12.10	**3.28**	2,908	179.50	0.08
12.20	1.31	3,648	179.63	0.10
12.30	0.94	4,002	179.68	0.10
12.40	0.70	4,252	179.72	0.11
12.50	0.67	4,458	179.76	0.11
12.60	0.45	4,611	179.78	0.12
12.70	0.42	4,723	179.80	0.12
12.80	0.38	4,823	179.82	0.12
12.90	0.35	4,910	179.83	0.12
13.00	0.31	4,985	179.84	0.12
13.10	0.28	5,046	179.85	0.12
13.20	0.26	5,097	179.86	0.12
13.30	0.24	5,141	179.87	0.13
13.40	0.22	5,178	179.87	0.13
13.50	0.20	5,208	179.88	0.13
13.60	0.18	5,230	179.88	0.13
13.70	0.18	5,248	179.88	0.13
13.80	0.17	5,265	179.89	0.13
13.90	0.17	5,279	179.89	0.13
14.00	0.16	5,292	179.89	0.13
14.10	0.16	5,303	179.89	0.13
14.20	0.15	5,311	179.89	0.13
14.30	0.15	5,318	179.89	0.13
14.40	0.14	5,324	179.89	0.13
14.50	0.14	5,327	179.89	0.13
14.60	0.13	**5,328**	**179.90**	**0.13**
14.70	0.12	5,328	179.89	0.13
14.80	0.12	5,325	179.89	0.13
14.90	0.11	5,321	179.89	0.13
15.00	0.11	5,315	179.89	0.13
15.10	0.10	5,306	179.89	0.13
15.20	0.10	5,297	179.89	0.13
15.30	0.10	5,288	179.89	0.13
15.40	0.10	5,278	179.89	0.13
15.50	0.10	5,267	179.89	0.13

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	5,257	179.88	0.13
15.70	0.10	5,245	179.88	0.13
15.80	0.09	5,234	179.88	0.13
15.90	0.09	5,222	179.88	0.13
16.00	0.09	5,209	179.88	0.13
16.10	0.09	5,196	179.87	0.13
16.20	0.09	5,183	179.87	0.13
16.30	0.09	5,169	179.87	0.13
16.40	0.09	5,155	179.87	0.13
16.50	0.08	5,140	179.87	0.13
16.60	0.08	5,125	179.86	0.12
16.70	0.08	5,110	179.86	0.12
16.80	0.08	5,094	179.86	0.12
16.90	0.08	5,078	179.86	0.12
17.00	0.08	5,061	179.85	0.12
17.10	0.08	5,044	179.85	0.12
17.20	0.07	5,027	179.85	0.12
17.30	0.07	5,009	179.84	0.12
17.40	0.07	4,990	179.84	0.12
17.50	0.07	4,972	179.84	0.12
17.60	0.07	4,953	179.84	0.12
17.70	0.07	4,933	179.83	0.12
17.80	0.07	4,913	179.83	0.12
17.90	0.06	4,893	179.83	0.12
18.00	0.06	4,872	179.82	0.12
18.10	0.06	4,851	179.82	0.12
18.20	0.06	4,830	179.82	0.12
18.30	0.06	4,809	179.81	0.12
18.40	0.06	4,787	179.81	0.12
18.50	0.06	4,766	179.81	0.12
18.60	0.06	4,745	179.80	0.12
18.70	0.06	4,724	179.80	0.12
18.80	0.06	4,703	179.80	0.12
18.90	0.06	4,682	179.79	0.12
19.00	0.06	4,660	179.79	0.12
19.10	0.06	4,639	179.79	0.12
19.20	0.06	4,618	179.78	0.12
19.30	0.06	4,597	179.78	0.12
19.40	0.06	4,576	179.78	0.12
19.50	0.06	4,555	179.77	0.11
19.60	0.06	4,534	179.77	0.11
19.70	0.06	4,513	179.77	0.11
19.80	0.06	4,492	179.76	0.11
19.90	0.05	4,471	179.76	0.11
20.00	0.05	4,450	179.76	0.11
20.10	0.05	4,429	179.75	0.11
20.20	0.05	4,408	179.75	0.11
20.30	0.05	4,387	179.75	0.11
20.40	0.05	4,366	179.74	0.11
20.50	0.05	4,346	179.74	0.11
20.60	0.05	4,325	179.74	0.11
20.70	0.05	4,304	179.73	0.11

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	4,283	179.73	0.11
20.90	0.05	4,262	179.73	0.11
21.00	0.05	4,242	179.72	0.11
21.10	0.05	4,221	179.72	0.11
21.20	0.05	4,200	179.72	0.11
21.30	0.05	4,179	179.71	0.11
21.40	0.05	4,159	179.71	0.11
21.50	0.05	4,138	179.71	0.11
21.60	0.05	4,117	179.70	0.11
21.70	0.05	4,097	179.70	0.11
21.80	0.05	4,076	179.70	0.11
21.90	0.05	4,056	179.69	0.10
22.00	0.05	4,035	179.69	0.10
22.10	0.05	4,014	179.69	0.10
22.20	0.05	3,994	179.68	0.10
22.30	0.05	3,974	179.68	0.10
22.40	0.05	3,953	179.68	0.10
22.50	0.05	3,933	179.67	0.10
22.60	0.05	3,912	179.67	0.10
22.70	0.04	3,892	179.67	0.10
22.80	0.04	3,871	179.66	0.10
22.90	0.04	3,851	179.66	0.10
23.00	0.04	3,831	179.66	0.10
23.10	0.04	3,811	179.65	0.10
23.20	0.04	3,790	179.65	0.10
23.30	0.04	3,770	179.65	0.10
23.40	0.04	3,750	179.64	0.10
23.50	0.04	3,730	179.64	0.10
23.60	0.04	3,709	179.64	0.10
23.70	0.04	3,689	179.63	0.10
23.80	0.04	3,669	179.63	0.10
23.90	0.04	3,649	179.63	0.10
24.00	0.05	3,631	179.62	0.10
24.10	0.00	3,604	179.62	0.10
24.20	0.00	3,570	179.61	0.09
24.30	0.00	3,537	179.61	0.09
24.40	0.00	3,503	179.60	0.09
24.50	0.00	3,470	179.60	0.09
24.60	0.00	3,437	179.59	0.09
24.70	0.00	3,404	179.59	0.09
24.80	0.00	3,372	179.58	0.09
24.90	0.00	3,340	179.58	0.09
25.00	0.00	3,308	179.57	0.09
25.10	0.00	3,277	179.57	0.09
25.20	0.00	3,245	179.56	0.09
25.30	0.00	3,214	179.56	0.09
25.40	0.00	3,184	179.55	0.08
25.50	0.00	3,153	179.55	0.08
25.60	0.00	3,123	179.54	0.08
25.70	0.00	3,094	179.54	0.08
25.80	0.00	3,064	179.53	0.08
25.90	0.00	3,035	179.53	0.08

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,006	179.52	0.08
26.10	0.00	2,977	179.52	0.08
26.20	0.00	2,949	179.51	0.08
26.30	0.00	2,921	179.51	0.08
26.40	0.00	2,893	179.50	0.08
26.50	0.00	2,866	179.50	0.08
26.60	0.00	2,839	179.49	0.08
26.70	0.00	2,812	179.49	0.07
26.80	0.00	2,785	179.48	0.07
26.90	0.00	2,759	179.48	0.07
27.00	0.00	2,733	179.48	0.07
27.10	0.00	2,707	179.47	0.07
27.20	0.00	2,682	179.47	0.07
27.30	0.00	2,657	179.46	0.07
27.40	0.00	2,632	179.46	0.07
27.50	0.00	2,608	179.45	0.07
27.60	0.00	2,583	179.45	0.07
27.70	0.00	2,559	179.45	0.07
27.80	0.00	2,536	179.44	0.07
27.90	0.00	2,512	179.44	0.06
28.00	0.00	2,489	179.43	0.06
28.10	0.00	2,467	179.43	0.06
28.20	0.00	2,444	179.43	0.06
28.30	0.00	2,422	179.42	0.06
28.40	0.00	2,400	179.42	0.06
28.50	0.00	2,379	179.42	0.06
28.60	0.00	2,357	179.41	0.06
28.70	0.00	2,336	179.41	0.06
28.80	0.00	2,316	179.41	0.06
28.90	0.00	2,295	179.40	0.06
29.00	0.00	2,275	179.40	0.06
29.10	0.00	2,255	179.40	0.05
29.20	0.00	2,236	179.39	0.05
29.30	0.00	2,217	179.39	0.05
29.40	0.00	2,198	179.39	0.05
29.50	0.00	2,179	179.38	0.05
29.60	0.00	2,161	179.38	0.05
29.70	0.00	2,143	179.38	0.05
29.80	0.00	2,125	179.37	0.05
29.90	0.00	2,108	179.37	0.05
30.00	0.00	2,091	179.37	0.05
30.10	0.00	2,074	179.36	0.05
30.20	0.00	2,057	179.36	0.05
30.30	0.00	2,041	179.36	0.04
30.40	0.00	2,025	179.36	0.04
30.50	0.00	2,009	179.35	0.04
30.60	0.00	1,994	179.35	0.04
30.70	0.00	1,979	179.35	0.04
30.80	0.00	1,964	179.35	0.04
30.90	0.00	1,950	179.34	0.04
31.00	0.00	1,936	179.34	0.04
31.10	0.00	1,922	179.34	0.04

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	1,909	179.34	0.04
31.30	0.00	1,896	179.33	0.04
31.40	0.00	1,883	179.33	0.04
31.50	0.00	1,870	179.33	0.03
31.60	0.00	1,858	179.33	0.03
31.70	0.00	1,846	179.33	0.03
31.80	0.00	1,834	179.32	0.03
31.90	0.00	1,823	179.32	0.03
32.00	0.00	1,812	179.32	0.03
32.10	0.00	1,801	179.32	0.03
32.20	0.00	1,790	179.32	0.03
32.30	0.00	1,779	179.31	0.03
32.40	0.00	1,769	179.31	0.03
32.50	0.00	1,759	179.31	0.03
32.60	0.00	1,749	179.31	0.03
32.70	0.00	1,739	179.31	0.03
32.80	0.00	1,730	179.31	0.03
32.90	0.00	1,720	179.30	0.03
33.00	0.00	1,711	179.30	0.03
33.10	0.00	1,702	179.30	0.02
33.20	0.00	1,694	179.30	0.02
33.30	0.00	1,685	179.30	0.02
33.40	0.00	1,677	179.30	0.02
33.50	0.00	1,669	179.30	0.02
33.60	0.00	1,660	179.29	0.02
33.70	0.00	1,653	179.29	0.02
33.80	0.00	1,645	179.29	0.02
33.90	0.00	1,637	179.29	0.02
34.00	0.00	1,630	179.29	0.02
34.10	0.00	1,623	179.29	0.02
34.20	0.00	1,616	179.29	0.02
34.30	0.00	1,609	179.28	0.02
34.40	0.00	1,602	179.28	0.02
34.50	0.00	1,595	179.28	0.02
34.60	0.00	1,589	179.28	0.02
34.70	0.00	1,583	179.28	0.02
34.80	0.00	1,576	179.28	0.02
34.90	0.00	1,570	179.28	0.02
35.00	0.00	1,564	179.28	0.02
35.10	0.00	1,558	179.28	0.02
35.20	0.00	1,552	179.27	0.02
35.30	0.00	1,547	179.27	0.02
35.40	0.00	1,541	179.27	0.02
35.50	0.00	1,535	179.27	0.02
35.60	0.00	1,530	179.27	0.02
35.70	0.00	1,525	179.27	0.01
35.80	0.00	1,519	179.27	0.01
35.90	0.00	1,514	179.27	0.01
36.00	0.00	1,509	179.27	0.01
36.10	0.00	1,504	179.27	0.01
36.20	0.00	1,499	179.27	0.01
36.30	0.00	1,494	179.26	0.01

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	1,489	179.26	0.01
36.50	0.00	1,485	179.26	0.01
36.60	0.00	1,480	179.26	0.01
36.70	0.00	1,475	179.26	0.01
36.80	0.00	1,471	179.26	0.01
36.90	0.00	1,467	179.26	0.01
37.00	0.00	1,462	179.26	0.01
37.10	0.00	1,458	179.26	0.01
37.20	0.00	1,454	179.26	0.01
37.30	0.00	1,450	179.26	0.01
37.40	0.00	1,446	179.26	0.01
37.50	0.00	1,442	179.26	0.01
37.60	0.00	1,438	179.26	0.01
37.70	0.00	1,434	179.25	0.01
37.80	0.00	1,430	179.25	0.01
37.90	0.00	1,426	179.25	0.01
38.00	0.00	1,423	179.25	0.01
38.10	0.00	1,419	179.25	0.01
38.20	0.00	1,416	179.25	0.01
38.30	0.00	1,412	179.25	0.01
38.40	0.00	1,409	179.25	0.01
38.50	0.00	1,405	179.25	0.01
38.60	0.00	1,402	179.25	0.01
38.70	0.00	1,399	179.25	0.01
38.80	0.00	1,395	179.25	0.01
38.90	0.00	1,392	179.25	0.01
39.00	0.00	1,389	179.25	0.01
39.10	0.00	1,386	179.25	0.01
39.20	0.00	1,383	179.25	0.01
39.30	0.00	1,380	179.25	0.01
39.40	0.00	1,377	179.24	0.01
39.50	0.00	1,374	179.24	0.01
39.60	0.00	1,372	179.24	0.01
39.70	0.00	1,369	179.24	0.01
39.80	0.00	1,366	179.24	0.01
39.90	0.00	1,363	179.24	0.01
40.00	0.00	1,361	179.24	0.01

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0
179.01	5,518	55
179.02	5,528	110
179.03	5,538	166
179.04	5,548	221
179.05	5,558	277
179.06	5,568	332
179.07	5,578	388
179.08	5,588	444
179.09	5,597	500
179.10	5,607	556
179.11	5,617	612
179.12	5,627	668
179.13	5,637	724
179.14	5,647	781
179.15	5,657	837
179.16	5,667	894
179.17	5,677	951
179.18	5,687	1,008
179.19	5,697	1,064
179.20	5,707	1,121
179.21	5,717	1,179
179.22	5,727	1,236
179.23	5,737	1,293
179.24	5,747	1,351
179.25	5,757	1,408
179.26	5,766	1,466
179.27	5,776	1,523
179.28	5,786	1,581
179.29	5,796	1,639
179.30	5,806	1,697
179.31	5,816	1,755
179.32	5,826	1,813
179.33	5,836	1,872
179.34	5,846	1,930
179.35	5,856	1,989
179.36	5,866	2,047
179.37	5,876	2,106
179.38	5,886	2,165
179.39	5,896	2,224
179.40	5,906	2,283
179.41	5,916	2,342
179.42	5,925	2,401
179.43	5,935	2,460
179.44	5,945	2,520
179.45	5,955	2,579
179.46	5,965	2,639
179.47	5,975	2,699
179.48	5,985	2,758
179.49	5,995	2,818
179.50	6,005	2,878
179.51	6,015	2,938
179.52	6,025	2,999
179.53	6,035	3,059
179.54	6,045	3,119
179.55	6,055	3,180
179.56	6,065	3,240
179.57	6,075	3,301
179.58	6,085	3,362
179.59	6,094	3,423
179.60	6,104	3,484
179.61	6,114	3,545
179.62	6,124	3,606
179.63	6,134	3,667
179.64	6,144	3,729
179.65	6,154	3,790
179.66	6,164	3,852
179.67	6,174	3,913
179.68	6,184	3,975
179.69	6,194	4,037
179.70	6,204	4,099
179.71	6,214	4,161
179.72	6,224	4,223
179.73	6,234	4,286
179.74	6,244	4,348
179.75	6,254	4,411
179.76	6,263	4,473
179.77	6,273	4,536
179.78	6,283	4,599
179.79	6,293	4,661
179.80	6,303	4,724
179.81	6,313	4,788
179.82	6,323	4,851
179.83	6,333	4,914
179.84	6,343	4,977
179.85	6,353	5,041
179.86	6,363	5,104
179.87	6,373	5,168
179.88	6,383	5,232
179.89	6,393	5,296
179.90	6,403	5,360
179.91	6,413	5,424
179.92	6,422	5,488
179.93	6,432	5,552
179.94	6,442	5,617
179.95	6,452	5,681
179.96	6,462	5,746
179.97	6,472	5,810
179.98	6,482	5,875
179.99	6,492	5,940
180.00	6,502	6,005
180.01	6,512	6,070
180.02	6,523	6,135
180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640	181.60	8,216	17,762
181.09	7,652	13,716	181.61	8,227	17,844
181.10	7,663	13,793	181.62	8,238	17,927
181.11	7,674	13,869	181.63	8,249	18,009
181.12	7,685	13,946	181.64	8,260	18,092
181.13	7,696	14,023	181.65	8,271	18,174
181.14	7,707	14,100	181.66	8,282	18,257
181.15	7,718	14,177	181.67	8,293	18,340
181.16	7,729	14,254	181.68	8,304	18,423
181.17	7,740	14,332	181.69	8,315	18,506
181.18	7,751	14,409	181.70	8,326	18,589
181.19	7,762	14,487	181.71	8,337	18,673
181.20	7,773	14,565	181.72	8,348	18,756
181.21	7,784	14,642	181.73	8,359	18,840
181.22	7,795	14,720	181.74	8,370	18,923
181.23	7,806	14,798	181.75	8,382	19,007
181.24	7,817	14,876	181.76	8,393	19,091
181.25	7,829	14,955	181.77	8,404	19,175
181.26	7,840	15,033	181.78	8,415	19,259
181.27	7,851	15,111	181.79	8,426	19,343
181.28	7,862	15,190	181.80	8,437	19,428
181.29	7,873	15,269	181.81	8,448	19,512
181.30	7,884	15,347	181.82	8,459	19,596
181.31	7,895	15,426	181.83	8,470	19,681
181.32	7,906	15,505	181.84	8,481	19,766
181.33	7,917	15,584	181.85	8,492	19,851
181.34	7,928	15,664	181.86	8,503	19,936
181.35	7,939	15,743	181.87	8,514	20,021
181.36	7,950	15,822	181.88	8,525	20,106
181.37	7,961	15,902	181.89	8,536	20,191
181.38	7,972	15,982	181.90	8,547	20,277
181.39	7,983	16,061	181.91	8,558	20,362
181.40	7,994	16,141	181.92	8,570	20,448
181.41	8,005	16,221	181.93	8,581	20,534
181.42	8,017	16,301	181.94	8,592	20,620
181.43	8,028	16,382	181.95	8,603	20,705
181.44	8,039	16,462	181.96	8,614	20,792
181.45	8,050	16,542	181.97	8,625	20,878
181.46	8,061	16,623	181.98	8,636	20,964
181.47	8,072	16,704	181.99	8,647	21,050
181.48	8,083	16,784	182.00	8,658	21,137
181.49	8,094	16,865	182.01	8,670	21,224
181.50	8,105	16,946	182.02	8,681	21,310
181.51	8,116	17,027	182.03	8,693	21,397
181.52	8,127	17,109	182.04	8,705	21,484
181.53	8,138	17,190	182.05	8,716	21,571
181.54	8,149	17,271	182.06	8,728	21,659
181.55	8,160	17,353	182.07	8,739	21,746
181.56	8,171	17,435	182.08	8,751	21,833
181.57	8,182	17,516	182.09	8,763	21,921
181.58	8,193	17,598	182.10	8,774	22,009
181.59	8,205	17,680	182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 2.28" for Future 2 yr event
Inflow = 4.14 cfs @ 12.09 hrs, Volume= 0.263 af
Outflow = 0.13 cfs @ 14.91 hrs, Volume= 0.197 af, Atten= 97%, Lag= 169.2 min
Primary = 0.13 cfs @ 14.91 hrs, Volume= 0.197 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.05' @ 14.91 hrs Surf.Area= 8,090 sf Storage= 7,819 cf

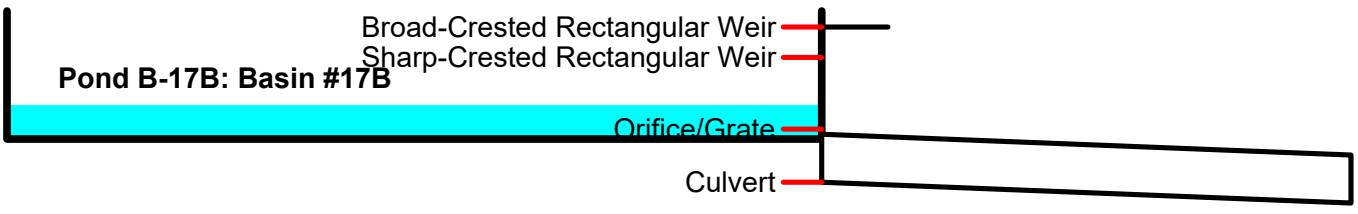
Plug-Flow detention time= 652.5 min calculated for 0.197 af (75% of inflow)
Center-of-Mass det. time= 557.6 min (1,349.9 - 792.3)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

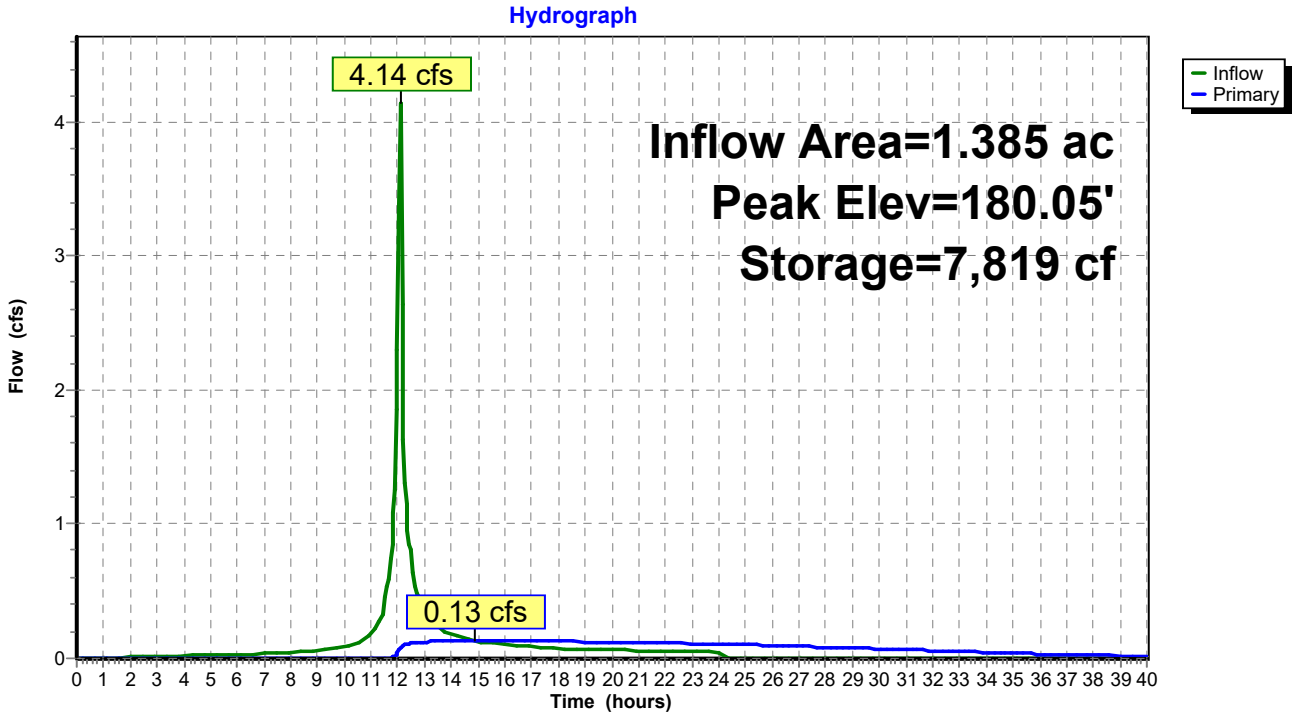
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 14.91 hrs HW=180.05' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 10.92 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.83 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	1	179.00	0.00
1.30	0.00	1	179.00	0.00
1.40	0.00	2	179.00	0.00
1.50	0.00	4	179.00	0.00
1.60	0.00	5	179.00	0.00
1.70	0.01	7	179.00	0.00
1.80	0.01	9	179.00	0.00
1.90	0.01	12	179.00	0.00
2.00	0.01	15	179.00	0.00
2.10	0.01	18	179.00	0.00
2.20	0.01	21	179.00	0.00
2.30	0.01	24	179.00	0.00
2.40	0.01	28	179.00	0.00
2.50	0.01	32	179.00	0.00
2.60	0.01	36	179.01	0.00
2.70	0.01	40	179.01	0.00
2.80	0.01	44	179.01	0.00
2.90	0.01	49	179.01	0.00
3.00	0.01	54	179.01	0.00
3.10	0.01	59	179.01	0.00
3.20	0.01	64	179.01	0.00
3.30	0.02	70	179.01	0.00
3.40	0.02	75	179.01	0.00
3.50	0.02	81	179.01	0.00
3.60	0.02	87	179.01	0.00
3.70	0.02	93	179.01	0.00
3.80	0.02	99	179.01	0.00
3.90	0.02	106	179.02	0.00
4.00	0.02	112	179.02	0.00
4.10	0.02	119	179.02	0.00
4.20	0.02	126	179.02	0.00
4.30	0.02	133	179.02	0.00
4.40	0.02	140	179.02	0.00
4.50	0.02	148	179.02	0.00
4.60	0.02	155	179.02	0.00
4.70	0.02	163	179.02	0.00
4.80	0.02	171	179.02	0.00
4.90	0.02	179	179.03	0.00
5.00	0.02	187	179.03	0.00
5.10	0.02	195	179.03	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	203	179.03	0.00
5.30	0.02	211	179.03	0.00
5.40	0.02	220	179.03	0.00
5.50	0.02	229	179.03	0.00
5.60	0.02	238	179.03	0.00
5.70	0.02	246	179.04	0.00
5.80	0.03	255	179.04	0.00
5.90	0.03	265	179.04	0.00
6.00	0.03	274	179.04	0.00
6.10	0.03	283	179.04	0.00
6.20	0.03	293	179.04	0.00
6.30	0.03	303	179.04	0.00
6.40	0.03	314	179.05	0.00
6.50	0.03	324	179.05	0.00
6.60	0.03	335	179.05	0.00
6.70	0.03	347	179.05	0.00
6.80	0.03	358	179.05	0.00
6.90	0.03	370	179.05	0.00
7.00	0.03	382	179.06	0.00
7.10	0.04	395	179.06	0.00
7.20	0.04	408	179.06	0.00
7.30	0.04	421	179.06	0.00
7.40	0.04	434	179.06	0.00
7.50	0.04	448	179.06	0.00
7.60	0.04	462	179.07	0.00
7.70	0.04	476	179.07	0.00
7.80	0.04	491	179.07	0.00
7.90	0.04	506	179.07	0.00
8.00	0.04	521	179.08	0.00
8.10	0.04	537	179.08	0.00
8.20	0.04	552	179.08	0.00
8.30	0.05	569	179.08	0.00
8.40	0.05	585	179.08	0.00
8.50	0.05	602	179.09	0.00
8.60	0.05	619	179.09	0.00
8.70	0.05	637	179.09	0.00
8.80	0.05	654	179.09	0.00
8.90	0.05	672	179.10	0.00
9.00	0.05	691	179.10	0.00
9.10	0.05	710	179.10	0.00
9.20	0.06	730	179.11	0.00
9.30	0.06	751	179.11	0.00
9.40	0.06	773	179.11	0.00
9.50	0.07	797	179.12	0.00
9.60	0.07	821	179.12	0.00
9.70	0.07	846	179.12	0.00
9.80	0.07	873	179.13	0.00
9.90	0.08	900	179.13	0.00
10.00	0.08	929	179.13	0.00
10.10	0.08	959	179.14	0.00
10.20	0.09	990	179.14	0.00
10.30	0.09	1,023	179.15	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.10	1,058	179.15	0.00
10.50	0.10	1,095	179.16	0.00
10.60	0.12	1,135	179.16	0.00
10.70	0.13	1,180	179.17	0.00
10.80	0.15	1,231	179.18	0.00
10.90	0.16	1,287	179.18	0.00
11.00	0.18	1,350	179.19	0.00
11.10	0.21	1,421	179.20	0.00
11.20	0.24	1,503	179.22	0.00
11.30	0.28	1,596	179.23	0.00
11.40	0.31	1,702	179.24	0.00
11.50	0.34	1,820	179.26	0.00
11.60	0.54	1,983	179.28	0.00
11.70	0.60	2,189	179.31	0.00
11.80	0.85	2,454	179.35	0.00
11.90	1.25	2,836	179.40	0.01
12.00	2.30	3,481	179.49	0.04
12.10	**4.11**	4,645	179.64	0.08
12.20	1.64	5,607	179.77	0.10
12.30	1.15	6,056	179.82	0.11
12.40	0.85	6,369	179.86	0.11
12.50	0.80	6,624	179.90	0.11
12.60	0.53	6,817	179.92	0.12
12.70	0.49	6,959	179.94	0.12
12.80	0.45	7,085	179.96	0.12
12.90	0.41	7,196	179.97	0.12
13.00	0.37	7,292	179.98	0.12
13.10	0.33	7,371	179.99	0.12
13.20	0.30	7,439	180.00	0.13
13.30	0.28	7,498	180.01	0.13
13.40	0.26	7,549	180.01	0.13
13.50	0.23	7,591	180.02	0.13
13.60	0.21	7,625	180.02	0.13
13.70	0.20	7,654	180.03	0.13
13.80	0.20	7,680	180.03	0.13
13.90	0.19	7,704	180.03	0.13
14.00	0.19	7,725	180.03	0.13
14.10	0.18	7,745	180.04	0.13
14.20	0.17	7,762	180.04	0.13
14.30	0.17	7,777	180.04	0.13
14.40	0.16	7,789	180.04	0.13
14.50	0.16	7,800	180.04	0.13
14.60	0.15	7,808	180.05	0.13
14.70	0.14	7,814	180.05	0.13
14.80	0.14	7,818	180.05	0.13
14.90	0.13	**7,819**	**180.05**	**0.13**
15.00	0.13	7,818	180.05	0.13
15.10	0.12	7,815	180.05	0.13
15.20	0.12	7,811	180.05	0.13
15.30	0.12	7,806	180.04	0.13
15.40	0.11	7,800	180.04	0.13
15.50	0.11	7,794	180.04	0.13

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.11	7,788	180.04	0.13
15.70	0.11	7,781	180.04	0.13
15.80	0.11	7,773	180.04	0.13
15.90	0.11	7,765	180.04	0.13
16.00	0.10	7,756	180.04	0.13
16.10	0.10	7,747	180.04	0.13
16.20	0.10	7,737	180.04	0.13
16.30	0.10	7,727	180.04	0.13
16.40	0.10	7,716	180.03	0.13
16.50	0.10	7,704	180.03	0.13
16.60	0.10	7,692	180.03	0.13
16.70	0.09	7,680	180.03	0.13
16.80	0.09	7,667	180.03	0.13
16.90	0.09	7,653	180.03	0.13
17.00	0.09	7,639	180.02	0.13
17.10	0.09	7,624	180.02	0.13
17.20	0.09	7,609	180.02	0.13
17.30	0.08	7,594	180.02	0.13
17.40	0.08	7,577	180.02	0.13
17.50	0.08	7,561	180.01	0.13
17.60	0.08	7,543	180.01	0.13
17.70	0.08	7,525	180.01	0.13
17.80	0.07	7,507	180.01	0.13
17.90	0.07	7,488	180.01	0.13
18.00	0.07	7,469	180.00	0.13
18.10	0.07	7,449	180.00	0.13
18.20	0.07	7,429	180.00	0.13
18.30	0.07	7,409	180.00	0.13
18.40	0.07	7,389	179.99	0.12
18.50	0.07	7,368	179.99	0.12
18.60	0.07	7,348	179.99	0.12
18.70	0.07	7,328	179.99	0.12
18.80	0.07	7,307	179.98	0.12
18.90	0.07	7,287	179.98	0.12
19.00	0.07	7,266	179.98	0.12
19.10	0.07	7,246	179.98	0.12
19.20	0.07	7,225	179.97	0.12
19.30	0.06	7,204	179.97	0.12
19.40	0.06	7,184	179.97	0.12
19.50	0.06	7,163	179.96	0.12
19.60	0.06	7,142	179.96	0.12
19.70	0.06	7,121	179.96	0.12
19.80	0.06	7,101	179.96	0.12
19.90	0.06	7,080	179.95	0.12
20.00	0.06	7,059	179.95	0.12
20.10	0.06	7,038	179.95	0.12
20.20	0.06	7,017	179.95	0.12
20.30	0.06	6,996	179.94	0.12
20.40	0.06	6,975	179.94	0.12
20.50	0.06	6,954	179.94	0.12
20.60	0.06	6,932	179.94	0.12
20.70	0.06	6,911	179.93	0.12

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	6,890	179.93	0.12
20.90	0.06	6,869	179.93	0.12
21.00	0.06	6,847	179.93	0.12
21.10	0.06	6,826	179.92	0.12
21.20	0.06	6,804	179.92	0.12
21.30	0.06	6,783	179.92	0.12
21.40	0.06	6,762	179.91	0.12
21.50	0.06	6,740	179.91	0.12
21.60	0.06	6,718	179.91	0.12
21.70	0.06	6,697	179.91	0.12
21.80	0.06	6,675	179.90	0.11
21.90	0.05	6,654	179.90	0.11
22.00	0.05	6,632	179.90	0.11
22.10	0.05	6,610	179.90	0.11
22.20	0.05	6,588	179.89	0.11
22.30	0.05	6,567	179.89	0.11
22.40	0.05	6,545	179.89	0.11
22.50	0.05	6,523	179.88	0.11
22.60	0.05	6,501	179.88	0.11
22.70	0.05	6,479	179.88	0.11
22.80	0.05	6,457	179.88	0.11
22.90	0.05	6,435	179.87	0.11
23.00	0.05	6,413	179.87	0.11
23.10	0.05	6,391	179.87	0.11
23.20	0.05	6,369	179.86	0.11
23.30	0.05	6,347	179.86	0.11
23.40	0.05	6,324	179.86	0.11
23.50	0.05	6,302	179.86	0.11
23.60	0.05	6,280	179.85	0.11
23.70	0.05	6,258	179.85	0.11
23.80	0.05	6,236	179.85	0.11
23.90	0.05	6,213	179.85	0.11
24.00	0.06	6,193	179.84	0.11
24.10	0.00	6,164	179.84	0.11
24.20	0.00	6,126	179.83	0.11
24.30	0.00	6,087	179.83	0.11
24.40	0.00	6,049	179.82	0.11
24.50	0.00	6,012	179.82	0.10
24.60	0.00	5,974	179.81	0.10
24.70	0.00	5,937	179.81	0.10
24.80	0.00	5,900	179.80	0.10
24.90	0.00	5,863	179.80	0.10
25.00	0.00	5,827	179.80	0.10
25.10	0.00	5,790	179.79	0.10
25.20	0.00	5,754	179.79	0.10
25.30	0.00	5,718	179.78	0.10
25.40	0.00	5,682	179.78	0.10
25.50	0.00	5,647	179.77	0.10
25.60	0.00	5,612	179.77	0.10
25.70	0.00	5,577	179.76	0.10
25.80	0.00	5,542	179.76	0.10
25.90	0.00	5,507	179.75	0.10

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,473	179.75	0.10
26.10	0.00	5,439	179.75	0.09
26.20	0.00	5,405	179.74	0.09
26.30	0.00	5,371	179.74	0.09
26.40	0.00	5,338	179.73	0.09
26.50	0.00	5,305	179.73	0.09
26.60	0.00	5,272	179.72	0.09
26.70	0.00	5,239	179.72	0.09
26.80	0.00	5,206	179.72	0.09
26.90	0.00	5,174	179.71	0.09
27.00	0.00	5,142	179.71	0.09
27.10	0.00	5,110	179.70	0.09
27.20	0.00	5,078	179.70	0.09
27.30	0.00	5,047	179.69	0.09
27.40	0.00	5,016	179.69	0.09
27.50	0.00	4,985	179.69	0.09
27.60	0.00	4,954	179.68	0.09
27.70	0.00	4,924	179.68	0.08
27.80	0.00	4,893	179.67	0.08
27.90	0.00	4,863	179.67	0.08
28.00	0.00	4,834	179.67	0.08
28.10	0.00	4,804	179.66	0.08
28.20	0.00	4,775	179.66	0.08
28.30	0.00	4,746	179.66	0.08
28.40	0.00	4,717	179.65	0.08
28.50	0.00	4,688	179.65	0.08
28.60	0.00	4,660	179.64	0.08
28.70	0.00	4,631	179.64	0.08
28.80	0.00	4,603	179.64	0.08
28.90	0.00	4,576	179.63	0.08
29.00	0.00	4,548	179.63	0.08
29.10	0.00	4,521	179.63	0.08
29.20	0.00	4,494	179.62	0.07
29.30	0.00	4,467	179.62	0.07
29.40	0.00	4,440	179.62	0.07
29.50	0.00	4,414	179.61	0.07
29.60	0.00	4,388	179.61	0.07
29.70	0.00	4,362	179.60	0.07
29.80	0.00	4,336	179.60	0.07
29.90	0.00	4,311	179.60	0.07
30.00	0.00	4,286	179.59	0.07
30.10	0.00	4,261	179.59	0.07
30.20	0.00	4,236	179.59	0.07
30.30	0.00	4,212	179.58	0.07
30.40	0.00	4,187	179.58	0.07
30.50	0.00	4,163	179.58	0.07
30.60	0.00	4,139	179.58	0.07
30.70	0.00	4,116	179.57	0.07
30.80	0.00	4,093	179.57	0.06
30.90	0.00	4,069	179.57	0.06
31.00	0.00	4,047	179.56	0.06
31.10	0.00	4,024	179.56	0.06

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,001	179.56	0.06
31.30	0.00	3,979	179.55	0.06
31.40	0.00	3,957	179.55	0.06
31.50	0.00	3,936	179.55	0.06
31.60	0.00	3,914	179.55	0.06
31.70	0.00	3,893	179.54	0.06
31.80	0.00	3,872	179.54	0.06
31.90	0.00	3,851	179.54	0.06
32.00	0.00	3,831	179.53	0.06
32.10	0.00	3,810	179.53	0.06
32.20	0.00	3,790	179.53	0.06
32.30	0.00	3,770	179.53	0.05
32.40	0.00	3,751	179.52	0.05
32.50	0.00	3,731	179.52	0.05
32.60	0.00	3,712	179.52	0.05
32.70	0.00	3,693	179.52	0.05
32.80	0.00	3,675	179.51	0.05
32.90	0.00	3,656	179.51	0.05
33.00	0.00	3,638	179.51	0.05
33.10	0.00	3,620	179.51	0.05
33.20	0.00	3,602	179.50	0.05
33.30	0.00	3,585	179.50	0.05
33.40	0.00	3,568	179.50	0.05
33.50	0.00	3,551	179.50	0.05
33.60	0.00	3,534	179.49	0.05
33.70	0.00	3,518	179.49	0.05
33.80	0.00	3,502	179.49	0.04
33.90	0.00	3,486	179.49	0.04
34.00	0.00	3,470	179.49	0.04
34.10	0.00	3,454	179.48	0.04
34.20	0.00	3,439	179.48	0.04
34.30	0.00	3,424	179.48	0.04
34.40	0.00	3,409	179.48	0.04
34.50	0.00	3,394	179.48	0.04
34.60	0.00	3,380	179.47	0.04
34.70	0.00	3,366	179.47	0.04
34.80	0.00	3,352	179.47	0.04
34.90	0.00	3,338	179.47	0.04
35.00	0.00	3,325	179.47	0.04
35.10	0.00	3,312	179.46	0.04
35.20	0.00	3,299	179.46	0.04
35.30	0.00	3,286	179.46	0.04
35.40	0.00	3,274	179.46	0.03
35.50	0.00	3,261	179.46	0.03
35.60	0.00	3,249	179.46	0.03
35.70	0.00	3,237	179.45	0.03
35.80	0.00	3,226	179.45	0.03
35.90	0.00	3,214	179.45	0.03
36.00	0.00	3,203	179.45	0.03
36.10	0.00	3,192	179.45	0.03
36.20	0.00	3,181	179.45	0.03
36.30	0.00	3,170	179.45	0.03

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,160	179.44	0.03
36.50	0.00	3,150	179.44	0.03
36.60	0.00	3,139	179.44	0.03
36.70	0.00	3,130	179.44	0.03
36.80	0.00	3,120	179.44	0.03
36.90	0.00	3,110	179.44	0.03
37.00	0.00	3,101	179.44	0.03
37.10	0.00	3,091	179.43	0.03
37.20	0.00	3,082	179.43	0.03
37.30	0.00	3,073	179.43	0.02
37.40	0.00	3,064	179.43	0.02
37.50	0.00	3,055	179.43	0.02
37.60	0.00	3,047	179.43	0.02
37.70	0.00	3,038	179.43	0.02
37.80	0.00	3,030	179.43	0.02
37.90	0.00	3,022	179.43	0.02
38.00	0.00	3,014	179.42	0.02
38.10	0.00	3,006	179.42	0.02
38.20	0.00	2,998	179.42	0.02
38.30	0.00	2,990	179.42	0.02
38.40	0.00	2,983	179.42	0.02
38.50	0.00	2,975	179.42	0.02
38.60	0.00	2,968	179.42	0.02
38.70	0.00	2,960	179.42	0.02
38.80	0.00	2,953	179.42	0.02
38.90	0.00	2,946	179.41	0.02
39.00	0.00	2,939	179.41	0.02
39.10	0.00	2,933	179.41	0.02
39.20	0.00	2,926	179.41	0.02
39.30	0.00	2,919	179.41	0.02
39.40	0.00	2,913	179.41	0.02
39.50	0.00	2,907	179.41	0.02
39.60	0.00	2,900	179.41	0.02
39.70	0.00	2,894	179.41	0.02
39.80	0.00	2,888	179.41	0.02
39.90	0.00	2,882	179.41	0.02
40.00	0.00	2,876	179.41	0.02

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0
179.01	6,867	69
179.02	6,879	137
179.03	6,890	206
179.04	6,902	275
179.05	6,914	344
179.06	6,926	413
179.07	6,937	483
179.08	6,949	552
179.09	6,961	622
179.10	6,973	691
179.11	6,985	761
179.12	6,996	831
179.13	7,008	901
179.14	7,020	971
179.15	7,032	1,042
179.16	7,043	1,112
179.17	7,055	1,182
179.18	7,067	1,253
179.19	7,079	1,324
179.20	7,091	1,395
179.21	7,102	1,466
179.22	7,114	1,537
179.23	7,126	1,608
179.24	7,138	1,679
179.25	7,150	1,751
179.26	7,161	1,822
179.27	7,173	1,894
179.28	7,185	1,966
179.29	7,197	2,037
179.30	7,208	2,110
179.31	7,220	2,182
179.32	7,232	2,254
179.33	7,244	2,326
179.34	7,256	2,399
179.35	7,267	2,471
179.36	7,279	2,544
179.37	7,291	2,617
179.38	7,303	2,690
179.39	7,314	2,763
179.40	7,326	2,836
179.41	7,338	2,910
179.42	7,350	2,983
179.43	7,362	3,057
179.44	7,373	3,130
179.45	7,385	3,204
179.46	7,397	3,278
179.47	7,409	3,352
179.48	7,420	3,426
179.49	7,432	3,500
179.50	7,444	3,575
179.51	7,456	3,649
179.52	7,468	3,724
179.53	7,479	3,799
179.54	7,491	3,873
179.55	7,503	3,948
179.56	7,515	4,024
179.57	7,526	4,099
179.58	7,538	4,174
179.59	7,550	4,249
179.60	7,562	4,325
179.61	7,574	4,401
179.62	7,585	4,477
179.63	7,597	4,552
179.64	7,609	4,628
179.65	7,621	4,705
179.66	7,632	4,781
179.67	7,644	4,857
179.68	7,656	4,934
179.69	7,668	5,010
179.70	7,680	5,087
179.71	7,691	5,164
179.72	7,703	5,241
179.73	7,715	5,318
179.74	7,727	5,395
179.75	7,739	5,473
179.76	7,750	5,550
179.77	7,762	5,628
179.78	7,774	5,705
179.79	7,786	5,783
179.80	7,797	5,861
179.81	7,809	5,939
179.82	7,821	6,017
179.83	7,833	6,095
179.84	7,845	6,174
179.85	7,856	6,252
179.86	7,868	6,331
179.87	7,880	6,410
179.88	7,892	6,489
179.89	7,903	6,567
179.90	7,915	6,647
179.91	7,927	6,726
179.92	7,939	6,805
179.93	7,951	6,885
179.94	7,962	6,964
179.95	7,974	7,044
179.96	7,986	7,124
179.97	7,998	7,204
179.98	8,009	7,284
179.99	8,021	7,364
180.00	8,033	7,444
180.01	8,045	7,524
180.02	8,058	7,605
180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840
181.09	9,384	16,934
181.10	9,397	17,028
181.11	9,410	17,122
181.12	9,423	17,216
181.13	9,436	17,310
181.14	9,449	17,405
181.15	9,462	17,499
181.16	9,475	17,594
181.17	9,488	17,689
181.18	9,501	17,784
181.19	9,513	17,879
181.20	9,526	17,974
181.21	9,539	18,069
181.22	9,552	18,165
181.23	9,565	18,260
181.24	9,578	18,356
181.25	9,591	18,452
181.26	9,604	18,548
181.27	9,617	18,644
181.28	9,630	18,740
181.29	9,643	18,837
181.30	9,656	18,933
181.31	9,669	19,030
181.32	9,681	19,126
181.33	9,694	19,223
181.34	9,707	19,320
181.35	9,720	19,417
181.36	9,733	19,515
181.37	9,746	19,612
181.38	9,759	19,710
181.39	9,772	19,807
181.40	9,785	19,905
181.41	9,798	20,003
181.42	9,811	20,101
181.43	9,824	20,199
181.44	9,836	20,297
181.45	9,849	20,396
181.46	9,862	20,494
181.47	9,875	20,593
181.48	9,888	20,692
181.49	9,901	20,791
181.50	9,914	20,890
181.51	9,927	20,989
181.52	9,940	21,089
181.53	9,953	21,188
181.54	9,966	21,288
181.55	9,979	21,387
181.56	9,992	21,487
181.57	10,004	21,587
181.58	10,017	21,687
181.59	10,030	21,787
181.60	10,043	21,888
181.61	10,056	21,988
181.62	10,069	22,089
181.63	10,082	22,190
181.64	10,095	22,291
181.65	10,108	22,392
181.66	10,121	22,493
181.67	10,134	22,594
181.68	10,147	22,695
181.69	10,159	22,797
181.70	10,172	22,899
181.71	10,185	23,000
181.72	10,198	23,102
181.73	10,211	23,204
181.74	10,224	23,307
181.75	10,237	23,409
181.76	10,250	23,511
181.77	10,263	23,614
181.78	10,276	23,717
181.79	10,289	23,819
181.80	10,302	23,922
181.81	10,315	24,025
181.82	10,327	24,129
181.83	10,340	24,232
181.84	10,353	24,335
181.85	10,366	24,439
181.86	10,379	24,543
181.87	10,392	24,647
181.88	10,405	24,751
181.89	10,418	24,855
181.90	10,431	24,959
181.91	10,444	25,063
181.92	10,457	25,168
181.93	10,470	25,272
181.94	10,482	25,377
181.95	10,495	25,482
181.96	10,508	25,587
181.97	10,521	25,692
181.98	10,534	25,798
181.99	10,547	25,903
182.00	10,560	26,009
182.01	10,573	26,114
182.02	10,587	26,220
182.03	10,600	26,326
182.04	10,614	26,432
182.05	10,627	26,538
182.06	10,641	26,645
182.07	10,654	26,751
182.08	10,668	26,858
182.09	10,681	26,964
182.10	10,695	27,071
182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 2.30" for Future 2 yr event
Inflow = 4.14 cfs @ 12.10 hrs, Volume= 0.363 af
Outflow = 1.55 cfs @ 12.43 hrs, Volume= 0.293 af, Atten= 63%, Lag= 19.5 min
Primary = 1.55 cfs @ 12.43 hrs, Volume= 0.293 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.84' @ 12.43 hrs Surf.Area= 8,280 sf Storage= 6,607 cf

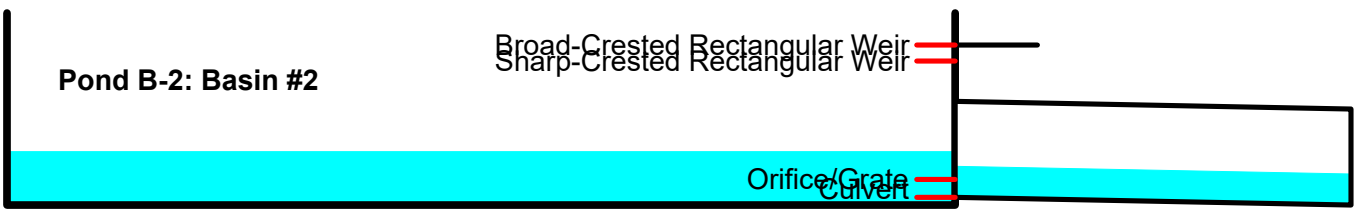
Plug-Flow detention time= 183.5 min calculated for 0.293 af (81% of inflow)
Center-of-Mass det. time= 100.3 min (895.7 - 795.4)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

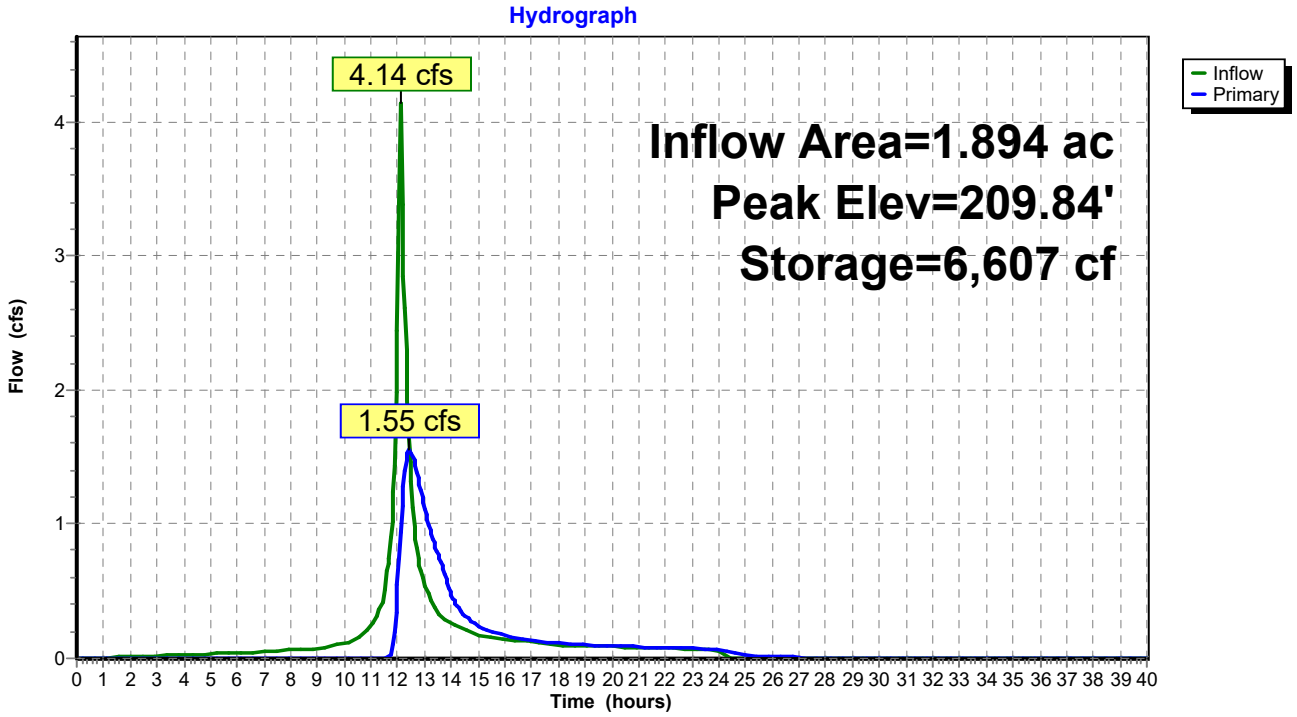
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.55 cfs @ 12.43 hrs HW=209.84' (Free Discharge)
- **1=Culvert** (Barrel Controls 1.55 cfs @ 2.72 fps)
  - **2=Orifice/Grate** (Passes 1.55 cfs of 2.78 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	1	209.00	0.00
1.30	0.00	2	209.00	0.00
1.40	0.00	3	209.00	0.00
1.50	0.01	5	209.00	0.00
1.60	0.01	8	209.00	0.00
1.70	0.01	10	209.00	0.00
1.80	0.01	13	209.00	0.00
1.90	0.01	17	209.00	0.00
2.00	0.01	21	209.00	0.00
2.10	0.01	25	209.00	0.00
2.20	0.01	29	209.00	0.00
2.30	0.01	34	209.00	0.00
2.40	0.01	39	209.01	0.00
2.50	0.02	44	209.01	0.00
2.60	0.02	50	209.01	0.00
2.70	0.02	56	209.01	0.00
2.80	0.02	63	209.01	0.00
2.90	0.02	69	209.01	0.00
3.00	0.02	76	209.01	0.00
3.10	0.02	83	209.01	0.00
3.20	0.02	90	209.01	0.00
3.30	0.02	98	209.01	0.00
3.40	0.02	106	209.01	0.00
3.50	0.02	114	209.02	0.00
3.60	0.02	123	209.02	0.00
3.70	0.02	131	209.02	0.00
3.80	0.02	140	209.02	0.00
3.90	0.03	149	209.02	0.00
4.00	0.03	158	209.02	0.00
4.10	0.03	168	209.02	0.00
4.20	0.03	178	209.02	0.00
4.30	0.03	187	209.02	0.00
4.40	0.03	198	209.03	0.00
4.50	0.03	208	209.03	0.00
4.60	0.03	219	209.03	0.00
4.70	0.03	229	209.03	0.00
4.80	0.03	240	209.03	0.00
4.90	0.03	251	209.03	0.00
5.00	0.03	263	209.03	0.00
5.10	0.03	274	209.04	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	286	209.04	0.00
5.30	0.03	298	209.04	0.00
5.40	0.03	310	209.04	0.00
5.50	0.03	322	209.04	0.00
5.60	0.03	334	209.04	0.00
5.70	0.04	347	209.05	0.00
5.80	0.04	360	209.05	0.00
5.90	0.04	373	209.05	0.00
6.00	0.04	386	209.05	0.00
6.10	0.04	399	209.05	0.00
6.20	0.04	413	209.05	0.00
6.30	0.04	427	209.06	0.00
6.40	0.04	442	209.06	0.00
6.50	0.04	457	209.06	0.00
6.60	0.04	472	209.06	0.00
6.70	0.04	488	209.06	0.00
6.80	0.05	504	209.07	0.00
6.90	0.05	521	209.07	0.00
7.00	0.05	538	209.07	0.00
7.10	0.05	556	209.07	0.00
7.20	0.05	574	209.08	0.00
7.30	0.05	592	209.08	0.00
7.40	0.05	611	209.08	0.00
7.50	0.05	630	209.08	0.00
7.60	0.06	650	209.09	0.00
7.70	0.06	670	209.09	0.00
7.80	0.06	691	209.09	0.00
7.90	0.06	712	209.09	0.00
8.00	0.06	733	209.10	0.00
8.10	0.06	755	209.10	0.00
8.20	0.06	778	209.10	0.00
8.30	0.06	801	209.11	0.00
8.40	0.07	824	209.11	0.00
8.50	0.07	847	209.11	0.00
8.60	0.07	872	209.12	0.00
8.70	0.07	896	209.12	0.00
8.80	0.07	921	209.12	0.00
8.90	0.07	947	209.13	0.00
9.00	0.07	972	209.13	0.00
9.10	0.08	999	209.13	0.00
9.20	0.08	1,028	209.14	0.00
9.30	0.08	1,057	209.14	0.00
9.40	0.09	1,089	209.14	0.00
9.50	0.09	1,122	209.15	0.00
9.60	0.10	1,156	209.15	0.00
9.70	0.10	1,192	209.16	0.00
9.80	0.11	1,229	209.16	0.00
9.90	0.11	1,268	209.17	0.00
10.00	0.11	1,308	209.17	0.00
10.10	0.12	1,350	209.18	0.00
10.20	0.12	1,393	209.18	0.00
10.30	0.13	1,439	209.19	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,486	209.20	0.00
10.50	0.14	1,536	209.20	0.00
10.60	0.16	1,591	209.21	0.00
10.70	0.18	1,652	209.22	0.00
10.80	0.20	1,720	209.23	0.00
10.90	0.22	1,795	209.24	0.00
11.00	0.24	1,878	209.25	0.00
11.10	0.28	1,972	209.26	0.00
11.20	0.32	2,080	209.27	0.00
11.30	0.36	2,202	209.29	0.00
11.40	0.40	2,340	209.31	0.00
11.50	0.45	2,493	209.33	0.00
11.60	0.66	2,694	209.35	0.00
11.70	0.75	2,948	209.38	0.00
11.80	1.02	3,264	209.42	0.04
11.90	1.44	3,670	209.48	0.20
12.00	2.44	4,249	209.55	0.55
12.10	**4.14**	5,184	209.66	0.94
12.20	2.85	6,015	209.77	1.29
12.30	2.30	6,449	209.82	1.48
12.40	1.64	**6,603**	**209.84**	**1.55**
12.50	1.32	**6,576**	**209.83**	**1.54**
12.60	0.98	6,443	209.82	1.48
12.70	0.82	6,249	209.79	1.39
12.80	0.70	6,037	209.77	1.29
12.90	0.62	5,824	209.74	1.20
13.00	0.56	5,618	209.72	1.12
13.10	0.50	5,420	209.69	1.04
13.20	0.45	5,232	209.67	0.96
13.30	0.41	5,055	209.65	0.89
13.40	0.38	4,888	209.63	0.83
13.50	0.35	4,731	209.61	0.77
13.60	0.32	4,582	209.59	0.72
13.70	0.30	4,443	209.57	0.67
13.80	0.28	4,320	209.56	0.59
13.90	0.27	4,218	209.54	0.53
14.00	0.26	4,136	209.53	0.47
14.10	0.26	4,067	209.53	0.43
14.20	0.25	4,010	209.52	0.39
14.30	0.24	3,962	209.51	0.36
14.40	0.23	3,921	209.51	0.34
14.50	0.22	3,884	209.50	0.32
14.60	0.21	3,852	209.50	0.30
14.70	0.21	3,823	209.49	0.28
14.80	0.20	3,796	209.49	0.27
14.90	0.19	3,772	209.49	0.25
15.00	0.18	3,749	209.49	0.24
15.10	0.17	3,727	209.48	0.23
15.20	0.17	3,707	209.48	0.22
15.30	0.16	3,690	209.48	0.21
15.40	0.16	3,673	209.48	0.20
15.50	0.16	3,659	209.47	0.20

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.15	3,646	209.47	0.19
15.70	0.15	3,634	209.47	0.18
15.80	0.15	3,623	209.47	0.18
15.90	0.15	3,613	209.47	0.17
16.00	0.15	3,604	209.47	0.17
16.10	0.14	3,596	209.47	0.17
16.20	0.14	3,588	209.46	0.16
16.30	0.14	3,580	209.46	0.16
16.40	0.14	3,573	209.46	0.16
16.50	0.13	3,567	209.46	0.15
16.60	0.13	3,560	209.46	0.15
16.70	0.13	3,554	209.46	0.15
16.80	0.13	3,548	209.46	0.14
16.90	0.13	3,542	209.46	0.14
17.00	0.12	3,537	209.46	0.14
17.10	0.12	3,531	209.46	0.14
17.20	0.12	3,526	209.46	0.13
17.30	0.12	3,520	209.46	0.13
17.40	0.11	3,515	209.46	0.13
17.50	0.11	3,510	209.46	0.13
17.60	0.11	3,505	209.45	0.12
17.70	0.11	3,499	209.45	0.12
17.80	0.10	3,494	209.45	0.12
17.90	0.10	3,489	209.45	0.12
18.00	0.10	3,484	209.45	0.11
18.10	0.10	3,479	209.45	0.11
18.20	0.10	3,474	209.45	0.11
18.30	0.10	3,470	209.45	0.11
18.40	0.09	3,465	209.45	0.11
18.50	0.09	3,461	209.45	0.10
18.60	0.09	3,458	209.45	0.10
18.70	0.09	3,454	209.45	0.10
18.80	0.09	3,451	209.45	0.10
18.90	0.09	3,448	209.45	0.10
19.00	0.09	3,445	209.45	0.10
19.10	0.09	3,442	209.45	0.10
19.20	0.09	3,439	209.45	0.10
19.30	0.09	3,437	209.45	0.10
19.40	0.09	3,434	209.45	0.10
19.50	0.09	3,432	209.45	0.09
19.60	0.09	3,430	209.44	0.09
19.70	0.09	3,428	209.44	0.09
19.80	0.09	3,426	209.44	0.09
19.90	0.09	3,424	209.44	0.09
20.00	0.09	3,422	209.44	0.09
20.10	0.09	3,420	209.44	0.09
20.20	0.08	3,418	209.44	0.09
20.30	0.08	3,416	209.44	0.09
20.40	0.08	3,414	209.44	0.09
20.50	0.08	3,412	209.44	0.09
20.60	0.08	3,410	209.44	0.09
20.70	0.08	3,408	209.44	0.09

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	3,407	209.44	0.09
20.90	0.08	3,405	209.44	0.09
21.00	0.08	3,403	209.44	0.09
21.10	0.08	3,401	209.44	0.08
21.20	0.08	3,399	209.44	0.08
21.30	0.08	3,398	209.44	0.08
21.40	0.08	3,396	209.44	0.08
21.50	0.08	3,394	209.44	0.08
21.60	0.08	3,392	209.44	0.08
21.70	0.08	3,391	209.44	0.08
21.80	0.08	3,389	209.44	0.08
21.90	0.08	3,387	209.44	0.08
22.00	0.07	3,386	209.44	0.08
22.10	0.07	3,384	209.44	0.08
22.20	0.07	3,382	209.44	0.08
22.30	0.07	3,380	209.44	0.08
22.40	0.07	3,379	209.44	0.08
22.50	0.07	3,377	209.44	0.08
22.60	0.07	3,375	209.44	0.08
22.70	0.07	3,374	209.44	0.08
22.80	0.07	3,372	209.44	0.07
22.90	0.07	3,370	209.44	0.07
23.00	0.07	3,368	209.44	0.07
23.10	0.07	3,367	209.44	0.07
23.20	0.07	3,365	209.44	0.07
23.30	0.07	3,363	209.44	0.07
23.40	0.07	3,362	209.44	0.07
23.50	0.07	3,360	209.44	0.07
23.60	0.07	3,358	209.44	0.07
23.70	0.06	3,356	209.44	0.07
23.80	0.06	3,355	209.44	0.07
23.90	0.06	3,353	209.44	0.07
24.00	0.07	3,353	209.44	0.07
24.10	0.04	3,347	209.43	0.07
24.20	0.02	3,334	209.43	0.06
24.30	0.01	3,317	209.43	0.06
24.40	0.00	3,300	209.43	0.05
24.50	0.00	3,283	209.43	0.04
24.60	0.00	3,268	209.42	0.04
24.70	0.00	3,255	209.42	0.03
24.80	0.00	3,243	209.42	0.03
24.90	0.00	3,233	209.42	0.03
25.00	0.00	3,223	209.42	0.03
25.10	0.00	3,214	209.42	0.02
25.20	0.00	3,206	209.42	0.02
25.30	0.00	3,198	209.42	0.02
25.40	0.00	3,191	209.41	0.02
25.50	0.00	3,184	209.41	0.02
25.60	0.00	3,177	209.41	0.02
25.70	0.00	3,171	209.41	0.02
25.80	0.00	3,165	209.41	0.02
25.90	0.00	3,160	209.41	0.01

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,155	209.41	0.01
26.10	0.00	3,150	209.41	0.01
26.20	0.00	3,145	209.41	0.01
26.30	0.00	3,141	209.41	0.01
26.40	0.00	3,137	209.41	0.01
26.50	0.00	3,133	209.41	0.01
26.60	0.00	3,130	209.41	0.01
26.70	0.00	3,126	209.41	0.01
26.80	0.00	3,123	209.41	0.01
26.90	0.00	3,120	209.41	0.01
27.00	0.00	3,118	209.41	0.01
27.10	0.00	3,115	209.41	0.01
27.20	0.00	3,113	209.40	0.01
27.30	0.00	3,110	209.40	0.01
27.40	0.00	3,108	209.40	0.01
27.50	0.00	3,106	209.40	0.01
27.60	0.00	3,104	209.40	0.01
27.70	0.00	3,102	209.40	0.00
27.80	0.00	3,101	209.40	0.00
27.90	0.00	3,099	209.40	0.00
28.00	0.00	3,098	209.40	0.00
28.10	0.00	3,096	209.40	0.00
28.20	0.00	3,095	209.40	0.00
28.30	0.00	3,094	209.40	0.00
28.40	0.00	3,093	209.40	0.00
28.50	0.00	3,092	209.40	0.00
28.60	0.00	3,091	209.40	0.00
28.70	0.00	3,090	209.40	0.00
28.80	0.00	3,089	209.40	0.00
28.90	0.00	3,088	209.40	0.00
29.00	0.00	3,087	209.40	0.00
29.10	0.00	3,086	209.40	0.00
29.20	0.00	3,086	209.40	0.00
29.30	0.00	3,085	209.40	0.00
29.40	0.00	3,084	209.40	0.00
29.50	0.00	3,084	209.40	0.00
29.60	0.00	3,083	209.40	0.00
29.70	0.00	3,083	209.40	0.00
29.80	0.00	3,082	209.40	0.00
29.90	0.00	3,082	209.40	0.00
30.00	0.00	3,081	209.40	0.00
30.10	0.00	3,081	209.40	0.00
30.20	0.00	3,081	209.40	0.00
30.30	0.00	3,080	209.40	0.00
30.40	0.00	3,080	209.40	0.00
30.50	0.00	3,080	209.40	0.00
30.60	0.00	3,079	209.40	0.00
30.70	0.00	3,079	209.40	0.00
30.80	0.00	3,079	209.40	0.00
30.90	0.00	3,079	209.40	0.00
31.00	0.00	3,078	209.40	0.00
31.10	0.00	3,078	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,078	209.40	0.00
31.30	0.00	3,078	209.40	0.00
31.40	0.00	3,078	209.40	0.00
31.50	0.00	3,077	209.40	0.00
31.60	0.00	3,077	209.40	0.00
31.70	0.00	3,077	209.40	0.00
31.80	0.00	3,077	209.40	0.00
31.90	0.00	3,077	209.40	0.00
32.00	0.00	3,077	209.40	0.00
32.10	0.00	3,077	209.40	0.00
32.20	0.00	3,076	209.40	0.00
32.30	0.00	3,076	209.40	0.00
32.40	0.00	3,076	209.40	0.00
32.50	0.00	3,076	209.40	0.00
32.60	0.00	3,076	209.40	0.00
32.70	0.00	3,076	209.40	0.00
32.80	0.00	3,076	209.40	0.00
32.90	0.00	3,076	209.40	0.00
33.00	0.00	3,076	209.40	0.00
33.10	0.00	3,076	209.40	0.00
33.20	0.00	3,076	209.40	0.00
33.30	0.00	3,076	209.40	0.00
33.40	0.00	3,076	209.40	0.00
33.50	0.00	3,076	209.40	0.00
33.60	0.00	3,076	209.40	0.00
33.70	0.00	3,075	209.40	0.00
33.80	0.00	3,075	209.40	0.00
33.90	0.00	3,075	209.40	0.00
34.00	0.00	3,075	209.40	0.00
34.10	0.00	3,075	209.40	0.00
34.20	0.00	3,075	209.40	0.00
34.30	0.00	3,075	209.40	0.00
34.40	0.00	3,075	209.40	0.00
34.50	0.00	3,075	209.40	0.00
34.60	0.00	3,075	209.40	0.00
34.70	0.00	3,075	209.40	0.00
34.80	0.00	3,075	209.40	0.00
34.90	0.00	3,075	209.40	0.00
35.00	0.00	3,075	209.40	0.00
35.10	0.00	3,075	209.40	0.00
35.20	0.00	3,075	209.40	0.00
35.30	0.00	3,075	209.40	0.00
35.40	0.00	3,075	209.40	0.00
35.50	0.00	3,075	209.40	0.00
35.60	0.00	3,075	209.40	0.00
35.70	0.00	3,075	209.40	0.00
35.80	0.00	3,075	209.40	0.00
35.90	0.00	3,075	209.40	0.00
36.00	0.00	3,075	209.40	0.00
36.10	0.00	3,075	209.40	0.00
36.20	0.00	3,075	209.40	0.00
36.30	0.00	3,075	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,075	209.40	0.00
36.50	0.00	3,075	209.40	0.00
36.60	0.00	3,075	209.40	0.00
36.70	0.00	3,075	209.40	0.00
36.80	0.00	3,075	209.40	0.00
36.90	0.00	3,075	209.40	0.00
37.00	0.00	3,075	209.40	0.00
37.10	0.00	3,075	209.40	0.00
37.20	0.00	3,075	209.40	0.00
37.30	0.00	3,075	209.40	0.00
37.40	0.00	3,075	209.40	0.00
37.50	0.00	3,075	209.40	0.00
37.60	0.00	3,075	209.40	0.00
37.70	0.00	3,075	209.40	0.00
37.80	0.00	3,075	209.40	0.00
37.90	0.00	3,075	209.40	0.00
38.00	0.00	3,075	209.40	0.00
38.10	0.00	3,075	209.40	0.00
38.20	0.00	3,075	209.40	0.00
38.30	0.00	3,075	209.40	0.00
38.40	0.00	3,075	209.40	0.00
38.50	0.00	3,075	209.40	0.00
38.60	0.00	3,075	209.40	0.00
38.70	0.00	3,075	209.40	0.00
38.80	0.00	3,075	209.40	0.00
38.90	0.00	3,075	209.40	0.00
39.00	0.00	3,075	209.40	0.00
39.10	0.00	3,075	209.40	0.00
39.20	0.00	3,075	209.40	0.00
39.30	0.00	3,075	209.40	0.00
39.40	0.00	3,075	209.40	0.00
39.50	0.00	3,075	209.40	0.00
39.60	0.00	3,075	209.40	0.00
39.70	0.00	3,075	209.40	0.00
39.80	0.00	3,075	209.40	0.00
39.90	0.00	3,075	209.40	0.00
40.00	0.00	3,075	209.40	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0
209.01	7,510	75
209.02	7,520	150
209.03	7,529	225
209.04	7,538	301
209.05	7,548	376
209.06	7,557	452
209.07	7,566	527
209.08	7,575	603
209.09	7,585	679
209.10	7,594	755
209.11	7,603	831
209.12	7,613	907
209.13	7,622	983
209.14	7,631	1,059
209.15	7,641	1,136
209.16	7,650	1,212
209.17	7,659	1,289
209.18	7,668	1,365
209.19	7,678	1,442
209.20	7,687	1,519
209.21	7,696	1,596
209.22	7,706	1,673
209.23	7,715	1,750
209.24	7,724	1,827
209.25	7,734	1,904
209.26	7,743	1,982
209.27	7,752	2,059
209.28	7,761	2,137
209.29	7,771	2,214
209.30	7,780	2,292
209.31	7,789	2,370
209.32	7,799	2,448
209.33	7,808	2,526
209.34	7,817	2,604
209.35	7,826	2,682
209.36	7,836	2,761
209.37	7,845	2,839
209.38	7,854	2,918
209.39	7,864	2,996
209.40	7,873	3,075
209.41	7,882	3,154
209.42	7,892	3,232
209.43	7,901	3,311
209.44	7,910	3,390
209.45	7,919	3,470
209.46	7,929	3,549
209.47	7,938	3,628
209.48	7,947	3,708
209.49	7,957	3,787
209.50	7,966	3,867
209.51	7,975	3,946
209.52	7,985	4,026
209.53	7,994	4,106
209.54	8,003	4,186
209.55	8,013	4,266
209.56	8,022	4,346
209.57	8,031	4,427
209.58	8,040	4,507
209.59	8,050	4,587
209.60	8,059	4,668
209.61	8,068	4,749
209.62	8,078	4,829
209.63	8,087	4,910
209.64	8,096	4,991
209.65	8,106	5,072
209.66	8,115	5,153
209.67	8,124	5,234
209.68	8,133	5,316
209.69	8,143	5,397
209.70	8,152	5,479
209.71	8,161	5,560
209.72	8,171	5,642
209.73	8,180	5,724
209.74	8,189	5,805
209.75	8,199	5,887
209.76	8,208	5,969
209.77	8,217	6,051
209.78	8,226	6,134
209.79	8,236	6,216
209.80	8,245	6,298
209.81	8,254	6,381
209.82	8,264	6,463
209.83	8,273	6,546
209.84	8,282	6,629
209.85	8,291	6,712
209.86	8,301	6,795
209.87	8,310	6,878
209.88	8,319	6,961
209.89	8,329	7,044
209.90	8,338	7,128
209.91	8,347	7,211
209.92	8,357	7,294
209.93	8,366	7,378
209.94	8,375	7,462
209.95	8,384	7,546
209.96	8,394	7,630
209.97	8,403	7,713
209.98	8,412	7,798
209.99	8,422	7,882
210.00	8,431	7,966
210.01	8,441	8,050
210.02	8,450	8,135
210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 2.30" for Future 2 yr event
Inflow = 4.60 cfs @ 12.09 hrs, Volume= 0.298 af
Outflow = 0.11 cfs @ 16.21 hrs, Volume= 0.201 af, Atten= 98%, Lag= 247.3 min
Primary = 0.11 cfs @ 16.21 hrs, Volume= 0.201 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 213.84' @ 16.21 hrs Surf.Area= 12,249 sf Storage= 9,319 cf

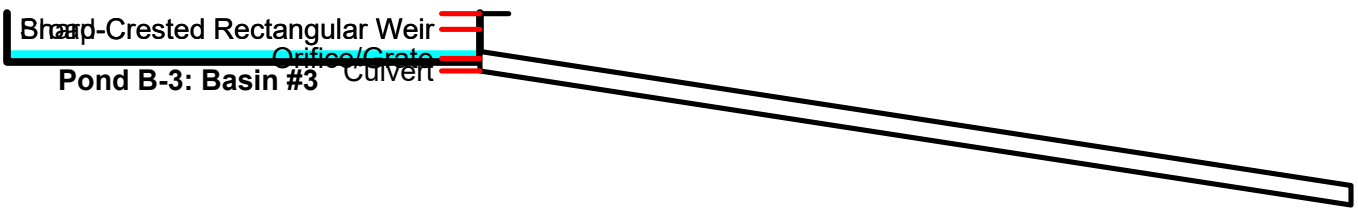
Plug-Flow detention time= 748.3 min calculated for 0.201 af (67% of inflow)
Center-of-Mass det. time= 642.5 min (1,433.5 - 791.0)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

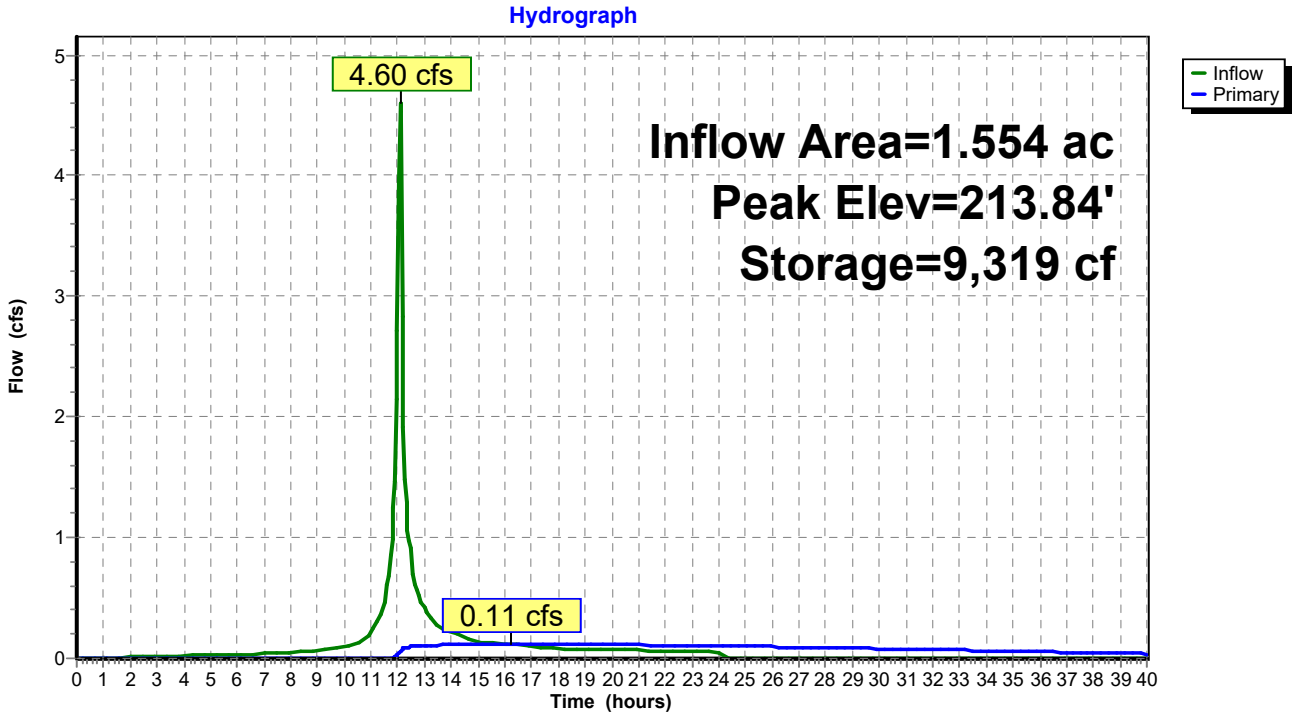
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.11 cfs @ 16.21 hrs HW=213.84' (Free Discharge)
- **1=Culvert** (Passes 0.11 cfs of 7.55 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.11 cfs @ 3.35 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	0.00
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.00	0	213.00	0.00
0.50	0.00	0	213.00	0.00
0.60	0.00	0	213.00	0.00
0.70	0.00	0	213.00	0.00
0.80	0.00	0	213.00	0.00
0.90	0.00	0	213.00	0.00
1.00	0.00	0	213.00	0.00
1.10	0.00	0	213.00	0.00
1.20	0.00	1	213.00	0.00
1.30	0.00	1	213.00	0.00
1.40	0.00	3	213.00	0.00
1.50	0.00	4	213.00	0.00
1.60	0.01	6	213.00	0.00
1.70	0.01	8	213.00	0.00
1.80	0.01	11	213.00	0.00
1.90	0.01	13	213.00	0.00
2.00	0.01	16	213.00	0.00
2.10	0.01	20	213.00	0.00
2.20	0.01	23	213.00	0.00
2.30	0.01	27	213.00	0.00
2.40	0.01	32	213.00	0.00
2.50	0.01	36	213.00	0.00
2.60	0.01	41	213.00	0.00
2.70	0.01	46	213.00	0.00
2.80	0.01	51	213.01	0.00
2.90	0.02	56	213.01	0.00
3.00	0.02	62	213.01	0.00
3.10	0.02	68	213.01	0.00
3.20	0.02	74	213.01	0.00
3.30	0.02	80	213.01	0.00
3.40	0.02	86	213.01	0.00
3.50	0.02	93	213.01	0.00
3.60	0.02	100	213.01	0.00
3.70	0.02	107	213.01	0.00
3.80	0.02	114	213.01	0.00
3.90	0.02	122	213.01	0.00
4.00	0.02	129	213.01	0.00
4.10	0.02	137	213.01	0.00
4.20	0.02	145	213.01	0.00
4.30	0.02	153	213.02	0.00
4.40	0.02	162	213.02	0.00
4.50	0.02	170	213.02	0.00
4.60	0.02	179	213.02	0.00
4.70	0.02	187	213.02	0.00
4.80	0.03	196	213.02	0.00
4.90	0.03	206	213.02	0.00
5.00	0.03	215	213.02	0.00
5.10	0.03	224	213.02	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	234	213.02	0.00
5.30	0.03	244	213.02	0.00
5.40	0.03	254	213.03	0.00
5.50	0.03	264	213.03	0.00
5.60	0.03	274	213.03	0.00
5.70	0.03	284	213.03	0.00
5.80	0.03	295	213.03	0.00
5.90	0.03	305	213.03	0.00
6.00	0.03	316	213.03	0.00
6.10	0.03	327	213.03	0.00
6.20	0.03	338	213.03	0.00
6.30	0.03	350	213.03	0.00
6.40	0.03	362	213.04	0.00
6.50	0.03	374	213.04	0.00
6.60	0.04	387	213.04	0.00
6.70	0.04	400	213.04	0.00
6.80	0.04	413	213.04	0.00
6.90	0.04	427	213.04	0.00
7.00	0.04	441	213.04	0.00
7.10	0.04	455	213.05	0.00
7.20	0.04	470	213.05	0.00
7.30	0.04	485	213.05	0.00
7.40	0.04	501	213.05	0.00
7.50	0.04	517	213.05	0.00
7.60	0.05	533	213.05	0.00
7.70	0.05	549	213.05	0.00
7.80	0.05	566	213.06	0.00
7.90	0.05	584	213.06	0.00
8.00	0.05	601	213.06	0.00
8.10	0.05	619	213.06	0.00
8.20	0.05	638	213.06	0.00
8.30	0.05	656	213.07	0.00
8.40	0.05	675	213.07	0.00
8.50	0.05	695	213.07	0.00
8.60	0.06	715	213.07	0.00
8.70	0.06	735	213.07	0.00
8.80	0.06	755	213.07	0.00
8.90	0.06	776	213.08	0.00
9.00	0.06	798	213.08	0.00
9.10	0.06	820	213.08	0.00
9.20	0.07	843	213.08	0.00
9.30	0.07	867	213.09	0.00
9.40	0.07	893	213.09	0.00
9.50	0.08	919	213.09	0.00
9.60	0.08	948	213.09	0.00
9.70	0.08	977	213.10	0.00
9.80	0.09	1,007	213.10	0.00
9.90	0.09	1,039	213.10	0.00
10.00	0.09	1,072	213.11	0.00
10.10	0.10	1,107	213.11	0.00
10.20	0.10	1,143	213.11	0.00
10.30	0.11	1,181	213.12	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.11	1,221	213.12	0.00
10.50	0.12	1,264	213.12	0.00
10.60	0.14	1,310	213.13	0.00
10.70	0.15	1,361	213.13	0.00
10.80	0.17	1,420	213.14	0.00
10.90	0.19	1,484	213.15	0.00
11.00	0.21	1,556	213.15	0.00
11.10	0.24	1,637	213.16	0.00
11.20	0.28	1,731	213.17	0.00
11.30	0.32	1,839	213.18	0.00
11.40	0.36	1,960	213.19	0.00
11.50	0.40	2,096	213.20	0.00
11.60	0.61	2,281	213.22	0.00
11.70	0.70	2,518	213.24	0.00
11.80	0.99	2,823	213.27	0.00
11.90	1.47	3,266	213.31	0.01
12.00	2.71	4,024	213.38	0.03
12.10	**4.53**	5,374	213.50	0.06
12.20	1.92	6,439	213.60	0.08
12.30	1.30	6,963	213.64	0.09
12.40	0.97	7,326	213.67	0.09
12.50	0.89	7,626	213.70	0.10
12.60	0.61	7,852	213.72	0.10
12.70	0.56	8,024	213.73	0.10
12.80	0.51	8,178	213.74	0.10
12.90	0.46	8,315	213.76	0.10
13.00	0.42	8,434	213.77	0.11
13.10	0.37	8,536	213.77	0.11
13.20	0.34	8,624	213.78	0.11
13.30	0.32	8,703	213.79	0.11
13.40	0.29	8,772	213.79	0.11
13.50	0.26	8,832	213.80	0.11
13.60	0.24	8,882	213.80	0.11
13.70	0.23	8,927	213.81	0.11
13.80	0.22	8,968	213.81	0.11
13.90	0.22	9,008	213.81	0.11
14.00	0.21	9,044	213.82	0.11
14.10	0.20	9,079	213.82	0.11
14.20	0.20	9,110	213.82	0.11
14.30	0.19	9,139	213.82	0.11
14.40	0.18	9,166	213.83	0.11
14.50	0.18	9,190	213.83	0.11
14.60	0.17	9,211	213.83	0.11
14.70	0.16	9,230	213.83	0.11
14.80	0.16	9,246	213.83	0.11
14.90	0.15	9,259	213.83	0.11
15.00	0.14	9,270	213.83	0.11
15.10	0.13	9,279	213.83	0.11
15.20	0.13	9,286	213.84	0.11
15.30	0.13	9,292	213.84	0.11
15.40	0.13	9,298	213.84	0.11
15.50	0.13	9,303	213.84	0.11

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	9,307	213.84	0.11
15.70	0.12	9,311	213.84	0.11
15.80	0.12	9,314	213.84	0.11
15.90	0.12	9,316	213.84	0.11
16.00	0.12	9,318	213.84	0.11
16.10	0.12	9,319	213.84	0.11
16.20	0.11	**9,320**	**213.84**	**0.11**
16.30	0.11	9,319	213.84	0.11
16.40	0.11	9,318	213.84	0.11
16.50	0.11	9,317	213.84	0.11
16.60	0.11	9,314	213.84	0.11
16.70	0.11	9,311	213.84	0.11
16.80	0.10	9,308	213.84	0.11
16.90	0.10	9,303	213.84	0.11
17.00	0.10	9,299	213.84	0.11
17.10	0.10	9,293	213.84	0.11
17.20	0.10	9,287	213.84	0.11
17.30	0.09	9,280	213.83	0.11
17.40	0.09	9,272	213.83	0.11
17.50	0.09	9,264	213.83	0.11
17.60	0.09	9,255	213.83	0.11
17.70	0.09	9,246	213.83	0.11
17.80	0.08	9,236	213.83	0.11
17.90	0.08	9,225	213.83	0.11
18.00	0.08	9,213	213.83	0.11
18.10	0.08	9,201	213.83	0.11
18.20	0.08	9,189	213.83	0.11
18.30	0.08	9,176	213.83	0.11
18.40	0.08	9,164	213.83	0.11
18.50	0.08	9,151	213.82	0.11
18.60	0.08	9,138	213.82	0.11
18.70	0.08	9,125	213.82	0.11
18.80	0.08	9,112	213.82	0.11
18.90	0.08	9,099	213.82	0.11
19.00	0.07	9,085	213.82	0.11
19.10	0.07	9,072	213.82	0.11
19.20	0.07	9,058	213.82	0.11
19.30	0.07	9,045	213.82	0.11
19.40	0.07	9,031	213.81	0.11
19.50	0.07	9,017	213.81	0.11
19.60	0.07	9,003	213.81	0.11
19.70	0.07	8,988	213.81	0.11
19.80	0.07	8,974	213.81	0.11
19.90	0.07	8,960	213.81	0.11
20.00	0.07	8,945	213.81	0.11
20.10	0.07	8,931	213.81	0.11
20.20	0.07	8,916	213.80	0.11
20.30	0.07	8,901	213.80	0.11
20.40	0.07	8,886	213.80	0.11
20.50	0.07	8,871	213.80	0.11
20.60	0.07	8,856	213.80	0.11
20.70	0.07	8,841	213.80	0.11

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	8,825	213.80	0.11
20.90	0.07	8,810	213.80	0.11
21.00	0.07	8,794	213.79	0.11
21.10	0.06	8,778	213.79	0.11
21.20	0.06	8,762	213.79	0.11
21.30	0.06	8,746	213.79	0.11
21.40	0.06	8,730	213.79	0.11
21.50	0.06	8,714	213.79	0.11
21.60	0.06	8,698	213.79	0.11
21.70	0.06	8,681	213.79	0.11
21.80	0.06	8,665	213.78	0.11
21.90	0.06	8,648	213.78	0.11
22.00	0.06	8,631	213.78	0.11
22.10	0.06	8,615	213.78	0.11
22.20	0.06	8,598	213.78	0.11
22.30	0.06	8,581	213.78	0.11
22.40	0.06	8,563	213.78	0.11
22.50	0.06	8,546	213.77	0.11
22.60	0.06	8,529	213.77	0.11
22.70	0.06	8,511	213.77	0.11
22.80	0.06	8,494	213.77	0.11
22.90	0.06	8,476	213.77	0.11
23.00	0.06	8,458	213.77	0.11
23.10	0.06	8,440	213.77	0.11
23.20	0.05	8,422	213.76	0.11
23.30	0.05	8,404	213.76	0.10
23.40	0.05	8,386	213.76	0.10
23.50	0.05	8,368	213.76	0.10
23.60	0.05	8,349	213.76	0.10
23.70	0.05	8,331	213.76	0.10
23.80	0.05	8,312	213.76	0.10
23.90	0.05	8,293	213.75	0.10
24.00	0.06	8,277	213.75	0.10
24.10	0.00	8,249	213.75	0.10
24.20	0.00	8,212	213.75	0.10
24.30	0.00	8,175	213.74	0.10
24.40	0.00	8,138	213.74	0.10
24.50	0.00	8,101	213.74	0.10
24.60	0.00	8,065	213.73	0.10
24.70	0.00	8,029	213.73	0.10
24.80	0.00	7,992	213.73	0.10
24.90	0.00	7,956	213.73	0.10
25.00	0.00	7,920	213.72	0.10
25.10	0.00	7,885	213.72	0.10
25.20	0.00	7,849	213.72	0.10
25.30	0.00	7,814	213.71	0.10
25.40	0.00	7,778	213.71	0.10
25.50	0.00	7,743	213.71	0.10
25.60	0.00	7,708	213.70	0.10
25.70	0.00	7,673	213.70	0.10
25.80	0.00	7,638	213.70	0.10
25.90	0.00	7,604	213.70	0.10

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,569	213.69	0.10
26.10	0.00	7,535	213.69	0.10
26.20	0.00	7,501	213.69	0.09
26.30	0.00	7,467	213.68	0.09
26.40	0.00	7,433	213.68	0.09
26.50	0.00	7,399	213.68	0.09
26.60	0.00	7,366	213.68	0.09
26.70	0.00	7,332	213.67	0.09
26.80	0.00	7,299	213.67	0.09
26.90	0.00	7,266	213.67	0.09
27.00	0.00	7,233	213.66	0.09
27.10	0.00	7,200	213.66	0.09
27.20	0.00	7,167	213.66	0.09
27.30	0.00	7,135	213.66	0.09
27.40	0.00	7,102	213.65	0.09
27.50	0.00	7,070	213.65	0.09
27.60	0.00	7,038	213.65	0.09
27.70	0.00	7,006	213.65	0.09
27.80	0.00	6,974	213.64	0.09
27.90	0.00	6,943	213.64	0.09
28.00	0.00	6,911	213.64	0.09
28.10	0.00	6,880	213.63	0.09
28.20	0.00	6,849	213.63	0.09
28.30	0.00	6,818	213.63	0.09
28.40	0.00	6,787	213.63	0.09
28.50	0.00	6,756	213.62	0.09
28.60	0.00	6,726	213.62	0.08
28.70	0.00	6,695	213.62	0.08
28.80	0.00	6,665	213.62	0.08
28.90	0.00	6,635	213.61	0.08
29.00	0.00	6,605	213.61	0.08
29.10	0.00	6,575	213.61	0.08
29.20	0.00	6,545	213.61	0.08
29.30	0.00	6,516	213.60	0.08
29.40	0.00	6,486	213.60	0.08
29.50	0.00	6,457	213.60	0.08
29.60	0.00	6,428	213.60	0.08
29.70	0.00	6,399	213.59	0.08
29.80	0.00	6,370	213.59	0.08
29.90	0.00	6,342	213.59	0.08
30.00	0.00	6,313	213.59	0.08
30.10	0.00	6,285	213.58	0.08
30.20	0.00	6,257	213.58	0.08
30.30	0.00	6,229	213.58	0.08
30.40	0.00	6,201	213.58	0.08
30.50	0.00	6,173	213.57	0.08
30.60	0.00	6,145	213.57	0.08
30.70	0.00	6,118	213.57	0.08
30.80	0.00	6,091	213.57	0.08
30.90	0.00	6,064	213.56	0.08
31.00	0.00	6,037	213.56	0.07
31.10	0.00	6,010	213.56	0.07

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,983	213.56	0.07
31.30	0.00	5,957	213.55	0.07
31.40	0.00	5,930	213.55	0.07
31.50	0.00	5,904	213.55	0.07
31.60	0.00	5,878	213.55	0.07
31.70	0.00	5,852	213.55	0.07
31.80	0.00	5,826	213.54	0.07
31.90	0.00	5,801	213.54	0.07
32.00	0.00	5,775	213.54	0.07
32.10	0.00	5,750	213.54	0.07
32.20	0.00	5,725	213.53	0.07
32.30	0.00	5,700	213.53	0.07
32.40	0.00	5,675	213.53	0.07
32.50	0.00	5,650	213.53	0.07
32.60	0.00	5,626	213.53	0.07
32.70	0.00	5,601	213.52	0.07
32.80	0.00	5,577	213.52	0.07
32.90	0.00	5,553	213.52	0.07
33.00	0.00	5,529	213.52	0.07
33.10	0.00	5,505	213.52	0.07
33.20	0.00	5,482	213.51	0.07
33.30	0.00	5,458	213.51	0.06
33.40	0.00	5,435	213.51	0.06
33.50	0.00	5,412	213.51	0.06
33.60	0.00	5,389	213.50	0.06
33.70	0.00	5,366	213.50	0.06
33.80	0.00	5,343	213.50	0.06
33.90	0.00	5,321	213.50	0.06
34.00	0.00	5,299	213.50	0.06
34.10	0.00	5,276	213.50	0.06
34.20	0.00	5,254	213.49	0.06
34.30	0.00	5,232	213.49	0.06
34.40	0.00	5,211	213.49	0.06
34.50	0.00	5,189	213.49	0.06
34.60	0.00	5,167	213.49	0.06
34.70	0.00	5,146	213.48	0.06
34.80	0.00	5,125	213.48	0.06
34.90	0.00	5,104	213.48	0.06
35.00	0.00	5,083	213.48	0.06
35.10	0.00	5,062	213.48	0.06
35.20	0.00	5,042	213.47	0.06
35.30	0.00	5,021	213.47	0.06
35.40	0.00	5,001	213.47	0.06
35.50	0.00	4,981	213.47	0.06
35.60	0.00	4,961	213.47	0.06
35.70	0.00	4,941	213.47	0.05
35.80	0.00	4,922	213.46	0.05
35.90	0.00	4,902	213.46	0.05
36.00	0.00	4,883	213.46	0.05
36.10	0.00	4,864	213.46	0.05
36.20	0.00	4,845	213.46	0.05
36.30	0.00	4,826	213.46	0.05

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,807	213.45	0.05
36.50	0.00	4,788	213.45	0.05
36.60	0.00	4,770	213.45	0.05
36.70	0.00	4,751	213.45	0.05
36.80	0.00	4,733	213.45	0.05
36.90	0.00	4,715	213.45	0.05
37.00	0.00	4,698	213.44	0.05
37.10	0.00	4,680	213.44	0.05
37.20	0.00	4,663	213.44	0.05
37.30	0.00	4,645	213.44	0.05
37.40	0.00	4,628	213.44	0.05
37.50	0.00	4,611	213.44	0.05
37.60	0.00	4,595	213.43	0.05
37.70	0.00	4,578	213.43	0.05
37.80	0.00	4,562	213.43	0.05
37.90	0.00	4,545	213.43	0.04
38.00	0.00	4,529	213.43	0.04
38.10	0.00	4,514	213.43	0.04
38.20	0.00	4,498	213.43	0.04
38.30	0.00	4,482	213.42	0.04
38.40	0.00	4,467	213.42	0.04
38.50	0.00	4,452	213.42	0.04
38.60	0.00	4,437	213.42	0.04
38.70	0.00	4,422	213.42	0.04
38.80	0.00	4,407	213.42	0.04
38.90	0.00	4,392	213.42	0.04
39.00	0.00	4,378	213.41	0.04
39.10	0.00	4,364	213.41	0.04
39.20	0.00	4,350	213.41	0.04
39.30	0.00	4,336	213.41	0.04
39.40	0.00	4,322	213.41	0.04
39.50	0.00	4,308	213.41	0.04
39.60	0.00	4,294	213.41	0.04
39.70	0.00	4,281	213.41	0.04
39.80	0.00	4,268	213.41	0.04
39.90	0.00	4,255	213.40	0.04
40.00	0.00	4,242	213.40	0.04

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848	214.56	14,225	18,873
214.05	12,823	11,976	214.57	14,252	19,016
214.06	12,850	12,105	214.58	14,280	19,158
214.07	12,877	12,233	214.59	14,308	19,301
214.08	12,905	12,362	214.60	14,335	19,444
214.09	12,933	12,491	214.61	14,363	19,588
214.10	12,960	12,621	214.62	14,390	19,732
214.11	12,988	12,750	214.63	14,417	19,876
214.12	13,015	12,881	214.64	14,445	20,020
214.13	13,042	13,011	214.65	14,473	20,165
214.14	13,070	13,141	214.66	14,500	20,310
214.15	13,098	13,272	214.67	14,527	20,455
214.16	13,125	13,403	214.68	14,555	20,600
214.17	13,152	13,535	214.69	14,582	20,746
214.18	13,180	13,666	214.70	14,610	20,892
214.19	13,207	13,798	214.71	14,638	21,038
214.20	13,235	13,930	214.72	14,665	21,184
214.21	13,263	14,063	214.73	14,692	21,331
214.22	13,290	14,196	214.74	14,720	21,478
214.23	13,317	14,329	214.75	14,748	21,626
214.24	13,345	14,462	214.76	14,775	21,773
214.25	13,373	14,596	214.77	14,803	21,921
214.26	13,400	14,730	214.78	14,830	22,069
214.27	13,428	14,864	214.79	14,857	22,218
214.28	13,455	14,998	214.80	14,885	22,367
214.29	13,482	15,133	214.81	14,913	22,515
214.30	13,510	15,268	214.82	14,940	22,665
214.31	13,538	15,403	214.83	14,968	22,814
214.32	13,565	15,538	214.84	14,995	22,964
214.33	13,593	15,674	214.85	15,022	23,114
214.34	13,620	15,810	214.86	15,050	23,265
214.35	13,647	15,947	214.87	15,078	23,415
214.36	13,675	16,083	214.88	15,105	23,566
214.37	13,703	16,220	214.89	15,132	23,717
214.38	13,730	16,357	214.90	15,160	23,869
214.39	13,757	16,495	214.91	15,187	24,020
214.40	13,785	16,633	214.92	15,215	24,172
214.41	13,812	16,770	214.93	15,243	24,325
214.42	13,840	16,909	214.94	15,270	24,477
214.43	13,868	17,047	214.95	15,297	24,630
214.44	13,895	17,186	214.96	15,325	24,783
214.45	13,922	17,325	214.97	15,352	24,937
214.46	13,950	17,465	214.98	15,380	25,090
214.47	13,977	17,604	214.99	15,408	25,244
214.48	14,005	17,744	215.00	15,435	25,399
214.49	14,033	17,884	215.01	15,463	25,553
214.50	14,060	18,025	215.02	15,491	25,708
214.51	14,087	18,165	215.03	15,519	25,863
214.52	14,115	18,307	215.04	15,547	26,018
214.53	14,143	18,448	215.05	15,575	26,174
214.54	14,170	18,589	215.06	15,603	26,330
214.55	14,198	18,731	215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642	215.60	17,119	35,165
215.09	15,688	26,799	215.61	17,147	35,336
215.10	15,716	26,956	215.62	17,175	35,508
215.11	15,744	27,113	215.63	17,203	35,679
215.12	15,772	27,271	215.64	17,231	35,852
215.13	15,800	27,429	215.65	17,259	36,024
215.14	15,828	27,587	215.66	17,287	36,197
215.15	15,856	27,745	215.67	17,315	36,370
215.16	15,884	27,904	215.68	17,343	36,543
215.17	15,912	28,063	215.69	17,371	36,717
215.18	15,940	28,222	215.70	17,399	36,890
215.19	15,968	28,382	215.71	17,427	37,065
215.20	15,996	28,542	215.72	17,455	37,239
215.21	16,024	28,702	215.73	17,483	37,414
215.22	16,052	28,862	215.74	17,511	37,589
215.23	16,080	29,023	215.75	17,540	37,764
215.24	16,108	29,184	215.76	17,568	37,939
215.25	16,137	29,345	215.77	17,596	38,115
215.26	16,165	29,506	215.78	17,624	38,291
215.27	16,193	29,668	215.79	17,652	38,468
215.28	16,221	29,830	215.80	17,680	38,644
215.29	16,249	29,993	215.81	17,708	38,821
215.30	16,277	30,155	215.82	17,736	38,999
215.31	16,305	30,318	215.83	17,764	39,176
215.32	16,333	30,481	215.84	17,792	39,354
215.33	16,361	30,645	215.85	17,820	39,532
215.34	16,389	30,809	215.86	17,848	39,710
215.35	16,417	30,973	215.87	17,876	39,889
215.36	16,445	31,137	215.88	17,904	40,068
215.37	16,473	31,302	215.89	17,932	40,247
215.38	16,501	31,466	215.90	17,960	40,426
215.39	16,529	31,632	215.91	17,988	40,606
215.40	16,557	31,797	215.92	18,017	40,786
215.41	16,585	31,963	215.93	18,045	40,967
215.42	16,614	32,129	215.94	18,073	41,147
215.43	16,642	32,295	215.95	18,101	41,328
215.44	16,670	32,462	215.96	18,129	41,509
215.45	16,698	32,628	215.97	18,157	41,691
215.46	16,726	32,795	215.98	18,185	41,872
215.47	16,754	32,963	215.99	18,213	42,054
215.48	16,782	33,131	216.00	18,241	42,237
215.49	16,810	33,299	216.01	18,279	42,419
215.50	16,838	33,467	216.02	18,317	42,602
215.51	16,866	33,635	216.03	18,356	42,785
215.52	16,894	33,804	216.04	18,394	42,969
215.53	16,922	33,973	216.05	18,432	43,153
215.54	16,950	34,143	216.06	18,470	43,338
215.55	16,978	34,312	216.07	18,508	43,523
215.56	17,006	34,482	216.08	18,546	43,708
215.57	17,034	34,652	216.09	18,585	43,894
215.58	17,062	34,823	216.10	18,623	44,080
215.59	17,091	34,994	216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 2.27" for Future 2 yr event
Inflow = 6.58 cfs @ 12.10 hrs, Volume= 0.441 af
Outflow = 4.22 cfs @ 12.18 hrs, Volume= 0.358 af, Atten= 36%, Lag= 4.6 min
Primary = 4.22 cfs @ 12.18 hrs, Volume= 0.358 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.43' @ 12.18 hrs Surf.Area= 5,100 sf Storage= 6,417 cf

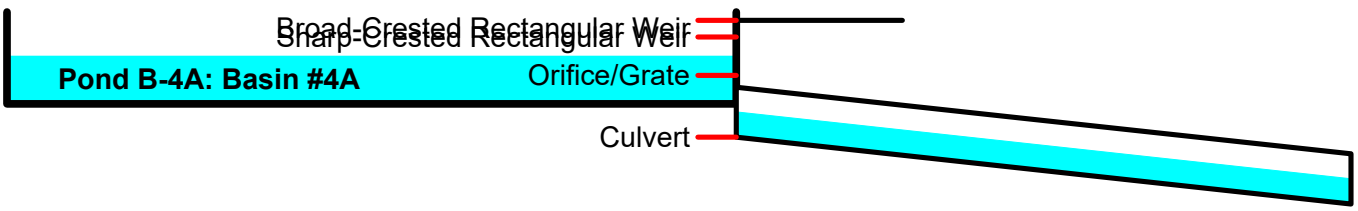
Plug-Flow detention time= 153.9 min calculated for 0.358 af (81% of inflow)
Center-of-Mass det. time= 73.7 min (867.4 - 793.7)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

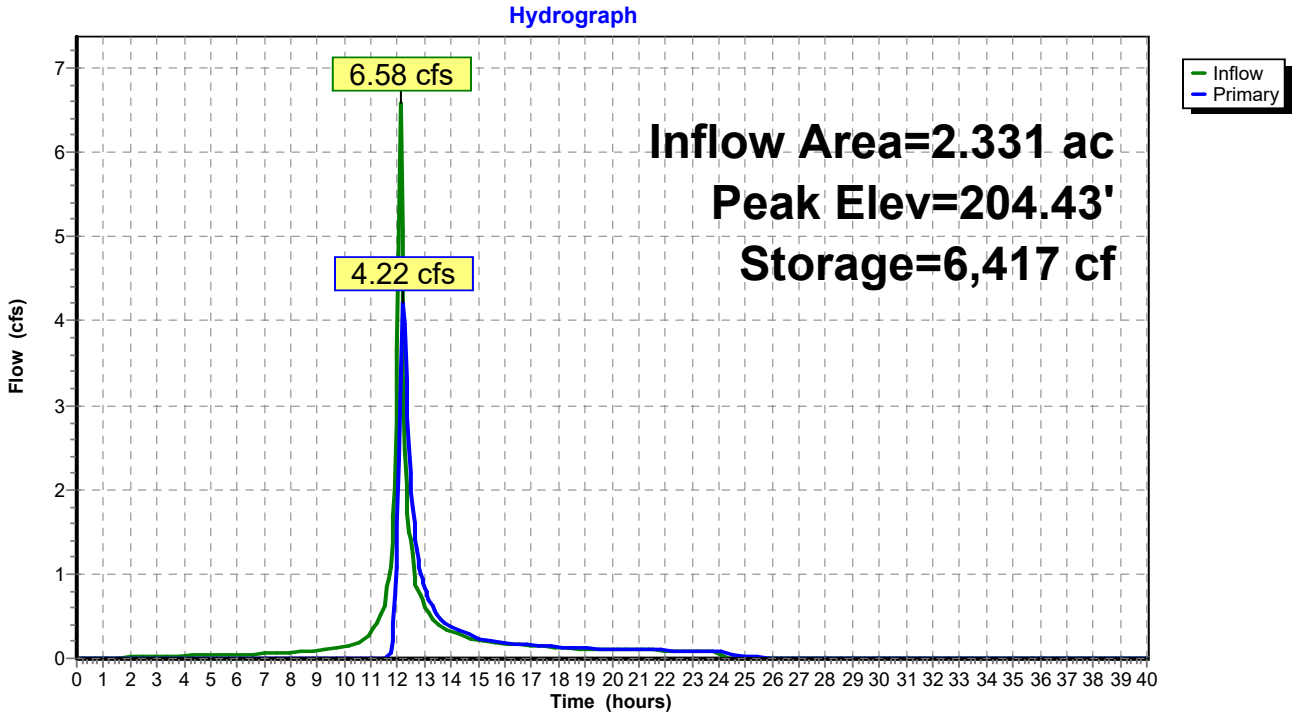
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=4.17 cfs @ 12.18 hrs HW=204.42' (Free Discharge)
- **1=Culvert** (Passes 4.17 cfs of 8.25 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.17 cfs @ 2.43 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	0	203.00	0.00
1.10	0.00	0	203.00	0.00
1.20	0.00	1	203.00	0.00
1.30	0.00	2	203.00	0.00
1.40	0.01	3	203.00	0.00
1.50	0.01	5	203.00	0.00
1.60	0.01	8	203.00	0.00
1.70	0.01	11	203.00	0.00
1.80	0.01	14	203.00	0.00
1.90	0.01	18	203.00	0.00
2.00	0.01	23	203.01	0.00
2.10	0.01	28	203.01	0.00
2.20	0.01	33	203.01	0.00
2.30	0.02	38	203.01	0.00
2.40	0.02	44	203.01	0.00
2.50	0.02	51	203.01	0.00
2.60	0.02	57	203.01	0.00
2.70	0.02	64	203.02	0.00
2.80	0.02	72	203.02	0.00
2.90	0.02	79	203.02	0.00
3.00	0.02	87	203.02	0.00
3.10	0.02	96	203.02	0.00
3.20	0.02	104	203.03	0.00
3.30	0.03	113	203.03	0.00
3.40	0.03	123	203.03	0.00
3.50	0.03	132	203.03	0.00
3.60	0.03	142	203.04	0.00
3.70	0.03	152	203.04	0.00
3.80	0.03	163	203.04	0.00
3.90	0.03	173	203.04	0.00
4.00	0.03	184	203.05	0.00
4.10	0.03	195	203.05	0.00
4.20	0.03	207	203.05	0.00
4.30	0.03	218	203.06	0.00
4.40	0.03	230	203.06	0.00
4.50	0.03	243	203.06	0.00
4.60	0.03	255	203.06	0.00
4.70	0.04	268	203.07	0.00
4.80	0.04	281	203.07	0.00
4.90	0.04	294	203.07	0.00
5.00	0.04	307	203.08	0.00
5.10	0.04	321	203.08	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	335	203.08	0.00
5.30	0.04	349	203.09	0.00
5.40	0.04	363	203.09	0.00
5.50	0.04	377	203.10	0.00
5.60	0.04	392	203.10	0.00
5.70	0.04	407	203.10	0.00
5.80	0.04	422	203.11	0.00
5.90	0.04	437	203.11	0.00
6.00	0.04	453	203.11	0.00
6.10	0.04	468	203.12	0.00
6.20	0.05	484	203.12	0.00
6.30	0.05	501	203.13	0.00
6.40	0.05	518	203.13	0.00
6.50	0.05	536	203.14	0.00
6.60	0.05	554	203.14	0.00
6.70	0.05	573	203.14	0.00
6.80	0.05	592	203.15	0.00
6.90	0.06	612	203.15	0.00
7.00	0.06	632	203.16	0.00
7.10	0.06	653	203.16	0.00
7.20	0.06	674	203.17	0.00
7.30	0.06	696	203.17	0.00
7.40	0.06	718	203.18	0.00
7.50	0.06	741	203.19	0.00
7.60	0.07	764	203.19	0.00
7.70	0.07	788	203.20	0.00
7.80	0.07	812	203.20	0.00
7.90	0.07	837	203.21	0.00
8.00	0.07	862	203.22	0.00
8.10	0.07	888	203.22	0.00
8.20	0.07	914	203.23	0.00
8.30	0.08	941	203.23	0.00
8.40	0.08	969	203.24	0.00
8.50	0.08	997	203.25	0.00
8.60	0.08	1,025	203.26	0.00
8.70	0.08	1,054	203.26	0.00
8.80	0.08	1,084	203.27	0.00
8.90	0.08	1,114	203.28	0.00
9.00	0.09	1,144	203.28	0.00
9.10	0.09	1,176	203.29	0.00
9.20	0.09	1,209	203.30	0.00
9.30	0.10	1,243	203.31	0.00
9.40	0.10	1,280	203.32	0.00
9.50	0.11	1,318	203.33	0.00
9.60	0.11	1,358	203.34	0.00
9.70	0.12	1,400	203.35	0.00
9.80	0.12	1,444	203.36	0.00
9.90	0.13	1,489	203.37	0.00
10.00	0.13	1,537	203.38	0.00
10.10	0.14	1,586	203.39	0.00
10.20	0.15	1,638	203.40	0.00
10.30	0.16	1,693	203.41	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.16	1,750	203.43	0.00
10.50	0.17	1,811	203.44	0.00
10.60	0.19	1,876	203.46	0.00
10.70	0.22	1,950	203.47	0.00
10.80	0.24	2,032	203.49	0.00
10.90	0.27	2,124	203.52	0.00
11.00	0.30	2,227	203.54	0.00
11.10	0.34	2,342	203.57	0.00
11.20	0.40	2,475	203.60	0.00
11.30	0.45	2,628	203.63	0.00
11.40	0.51	2,802	203.67	0.00
11.50	0.57	2,996	203.71	0.00
11.60	0.85	3,249	203.77	0.00
11.70	1.00	3,584	203.84	0.00
11.80	1.37	3,978	203.93	0.21
11.90	2.02	4,429	204.02	0.70
12.00	3.65	5,044	204.15	1.59
12.10	**6.58**	6,023	204.35	3.40
12.20	3.31	**6,394**	**204.42**	**4.18**
12.30	2.06	5,972	204.34	3.30
12.40	1.49	5,562	204.26	2.50
12.50	1.36	5,272	204.20	1.98
12.60	0.95	5,042	204.15	1.59
12.70	0.84	4,847	204.11	1.28
12.80	0.77	4,712	204.08	1.08
12.90	0.70	4,613	204.06	0.94
13.00	0.63	4,533	204.05	0.83
13.10	0.56	4,463	204.03	0.74
13.20	0.52	4,403	204.02	0.66
13.30	0.48	4,353	204.01	0.60
13.40	0.44	4,310	204.00	0.55
13.50	0.40	4,270	203.99	0.50
13.60	0.36	4,232	203.98	0.46
13.70	0.35	4,199	203.97	0.43
13.80	0.34	4,173	203.97	0.40
13.90	0.33	4,153	203.96	0.38
14.00	0.32	4,136	203.96	0.36
14.10	0.30	4,121	203.96	0.34
14.20	0.30	4,108	203.96	0.33
14.30	0.28	4,095	203.95	0.32
14.40	0.27	4,083	203.95	0.31
14.50	0.26	4,072	203.95	0.30
14.60	0.25	4,060	203.95	0.28
14.70	0.24	4,049	203.94	0.27
14.80	0.23	4,038	203.94	0.26
14.90	0.22	4,027	203.94	0.25
15.00	0.21	4,016	203.94	0.24
15.10	0.20	4,005	203.93	0.23
15.20	0.20	3,995	203.93	0.22
15.30	0.20	3,986	203.93	0.22
15.40	0.19	3,979	203.93	0.21
15.50	0.19	3,973	203.93	0.21

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	3,968	203.93	0.20
15.70	0.18	3,963	203.92	0.20
15.80	0.18	3,958	203.92	0.19
15.90	0.18	3,954	203.92	0.19
16.00	0.18	3,950	203.92	0.19
16.10	0.17	3,946	203.92	0.18
16.20	0.17	3,943	203.92	0.18
16.30	0.17	3,939	203.92	0.18
16.40	0.17	3,936	203.92	0.18
16.50	0.16	3,932	203.92	0.17
16.60	0.16	3,929	203.92	0.17
16.70	0.16	3,925	203.92	0.17
16.80	0.15	3,922	203.92	0.16
16.90	0.15	3,919	203.91	0.16
17.00	0.15	3,915	203.91	0.16
17.10	0.15	3,912	203.91	0.16
17.20	0.14	3,909	203.91	0.15
17.30	0.14	3,905	203.91	0.15
17.40	0.14	3,902	203.91	0.15
17.50	0.13	3,898	203.91	0.14
17.60	0.13	3,895	203.91	0.14
17.70	0.13	3,892	203.91	0.14
17.80	0.13	3,888	203.91	0.14
17.90	0.12	3,885	203.91	0.13
18.00	0.12	3,881	203.91	0.13
18.10	0.12	3,877	203.91	0.13
18.20	0.12	3,874	203.91	0.13
18.30	0.12	3,871	203.90	0.12
18.40	0.12	3,868	203.90	0.12
18.50	0.11	3,866	203.90	0.12
18.60	0.11	3,864	203.90	0.12
18.70	0.11	3,862	203.90	0.12
18.80	0.11	3,861	203.90	0.12
18.90	0.11	3,859	203.90	0.12
19.00	0.11	3,858	203.90	0.12
19.10	0.11	3,856	203.90	0.11
19.20	0.11	3,855	203.90	0.11
19.30	0.11	3,854	203.90	0.11
19.40	0.11	3,852	203.90	0.11
19.50	0.11	3,851	203.90	0.11
19.60	0.11	3,850	203.90	0.11
19.70	0.11	3,849	203.90	0.11
19.80	0.11	3,848	203.90	0.11
19.90	0.11	3,847	203.90	0.11
20.00	0.10	3,846	203.90	0.11
20.10	0.10	3,845	203.90	0.11
20.20	0.10	3,844	203.90	0.11
20.30	0.10	3,842	203.90	0.11
20.40	0.10	3,841	203.90	0.10
20.50	0.10	3,840	203.90	0.10
20.60	0.10	3,839	203.90	0.10
20.70	0.10	3,838	203.90	0.10

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	3,837	203.90	0.10
20.90	0.10	3,836	203.90	0.10
21.00	0.10	3,835	203.90	0.10
21.10	0.10	3,834	203.90	0.10
21.20	0.10	3,833	203.90	0.10
21.30	0.10	3,832	203.90	0.10
21.40	0.09	3,831	203.90	0.10
21.50	0.09	3,830	203.90	0.10
21.60	0.09	3,828	203.90	0.10
21.70	0.09	3,827	203.90	0.10
21.80	0.09	3,826	203.89	0.10
21.90	0.09	3,825	203.89	0.09
22.00	0.09	3,824	203.89	0.09
22.10	0.09	3,823	203.89	0.09
22.20	0.09	3,822	203.89	0.09
22.30	0.09	3,821	203.89	0.09
22.40	0.09	3,820	203.89	0.09
22.50	0.09	3,819	203.89	0.09
22.60	0.09	3,818	203.89	0.09
22.70	0.09	3,817	203.89	0.09
22.80	0.08	3,815	203.89	0.09
22.90	0.08	3,814	203.89	0.09
23.00	0.08	3,813	203.89	0.09
23.10	0.08	3,812	203.89	0.09
23.20	0.08	3,811	203.89	0.09
23.30	0.08	3,810	203.89	0.08
23.40	0.08	3,809	203.89	0.08
23.50	0.08	3,808	203.89	0.08
23.60	0.08	3,807	203.89	0.08
23.70	0.08	3,806	203.89	0.08
23.80	0.08	3,804	203.89	0.08
23.90	0.08	3,803	203.89	0.08
24.00	0.09	3,805	203.89	0.08
24.10	0.01	3,795	203.89	0.07
24.20	0.00	3,772	203.88	0.06
24.30	0.00	3,753	203.88	0.05
24.40	0.00	3,737	203.88	0.04
24.50	0.00	3,722	203.87	0.04
24.60	0.00	3,710	203.87	0.03
24.70	0.00	3,699	203.87	0.03
24.80	0.00	3,690	203.87	0.02
24.90	0.00	3,682	203.86	0.02
25.00	0.00	3,675	203.86	0.02
25.10	0.00	3,669	203.86	0.02
25.20	0.00	3,663	203.86	0.01
25.30	0.00	3,658	203.86	0.01
25.40	0.00	3,654	203.86	0.01
25.50	0.00	3,651	203.86	0.01
25.60	0.00	3,648	203.86	0.01
25.70	0.00	3,645	203.86	0.01
25.80	0.00	3,643	203.86	0.01
25.90	0.00	3,641	203.85	0.01

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,639	203.85	0.00
26.10	0.00	3,637	203.85	0.00
26.20	0.00	3,636	203.85	0.00
26.30	0.00	3,635	203.85	0.00
26.40	0.00	3,634	203.85	0.00
26.50	0.00	3,633	203.85	0.00
26.60	0.00	3,632	203.85	0.00
26.70	0.00	3,631	203.85	0.00
26.80	0.00	3,631	203.85	0.00
26.90	0.00	3,630	203.85	0.00
27.00	0.00	3,630	203.85	0.00
27.10	0.00	3,629	203.85	0.00
27.20	0.00	3,629	203.85	0.00
27.30	0.00	3,629	203.85	0.00
27.40	0.00	3,628	203.85	0.00
27.50	0.00	3,628	203.85	0.00
27.60	0.00	3,628	203.85	0.00
27.70	0.00	3,627	203.85	0.00
27.80	0.00	3,627	203.85	0.00
27.90	0.00	3,627	203.85	0.00
28.00	0.00	3,626	203.85	0.00
28.10	0.00	3,626	203.85	0.00
28.20	0.00	3,626	203.85	0.00
28.30	0.00	3,626	203.85	0.00
28.40	0.00	3,625	203.85	0.00
28.50	0.00	3,625	203.85	0.00
28.60	0.00	3,625	203.85	0.00
28.70	0.00	3,625	203.85	0.00
28.80	0.00	3,624	203.85	0.00
28.90	0.00	3,624	203.85	0.00
29.00	0.00	3,624	203.85	0.00
29.10	0.00	3,624	203.85	0.00
29.20	0.00	3,623	203.85	0.00
29.30	0.00	3,623	203.85	0.00
29.40	0.00	3,623	203.85	0.00
29.50	0.00	3,623	203.85	0.00
29.60	0.00	3,623	203.85	0.00
29.70	0.00	3,623	203.85	0.00
29.80	0.00	3,622	203.85	0.00
29.90	0.00	3,622	203.85	0.00
30.00	0.00	3,622	203.85	0.00
30.10	0.00	3,622	203.85	0.00
30.20	0.00	3,622	203.85	0.00
30.30	0.00	3,622	203.85	0.00
30.40	0.00	3,622	203.85	0.00
30.50	0.00	3,622	203.85	0.00
30.60	0.00	3,621	203.85	0.00
30.70	0.00	3,621	203.85	0.00
30.80	0.00	3,621	203.85	0.00
30.90	0.00	3,621	203.85	0.00
31.00	0.00	3,621	203.85	0.00
31.10	0.00	3,621	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,621	203.85	0.00
31.30	0.00	3,621	203.85	0.00
31.40	0.00	3,621	203.85	0.00
31.50	0.00	3,621	203.85	0.00
31.60	0.00	3,621	203.85	0.00
31.70	0.00	3,620	203.85	0.00
31.80	0.00	3,620	203.85	0.00
31.90	0.00	3,620	203.85	0.00
32.00	0.00	3,620	203.85	0.00
32.10	0.00	3,620	203.85	0.00
32.20	0.00	3,620	203.85	0.00
32.30	0.00	3,620	203.85	0.00
32.40	0.00	3,620	203.85	0.00
32.50	0.00	3,620	203.85	0.00
32.60	0.00	3,620	203.85	0.00
32.70	0.00	3,620	203.85	0.00
32.80	0.00	3,620	203.85	0.00
32.90	0.00	3,620	203.85	0.00
33.00	0.00	3,620	203.85	0.00
33.10	0.00	3,620	203.85	0.00
33.20	0.00	3,620	203.85	0.00
33.30	0.00	3,620	203.85	0.00
33.40	0.00	3,620	203.85	0.00
33.50	0.00	3,620	203.85	0.00
33.60	0.00	3,619	203.85	0.00
33.70	0.00	3,619	203.85	0.00
33.80	0.00	3,619	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0
203.01	3,920	39
203.02	3,928	78
203.03	3,936	118
203.04	3,944	157
203.05	3,953	197
203.06	3,961	236
203.07	3,969	276
203.08	3,977	316
203.09	3,985	355
203.10	3,993	395
203.11	4,001	435
203.12	4,009	475
203.13	4,018	515
203.14	4,026	556
203.15	4,034	596
203.16	4,042	636
203.17	4,050	677
203.18	4,058	717
203.19	4,066	758
203.20	4,074	799
203.21	4,083	839
203.22	4,091	880
203.23	4,099	921
203.24	4,107	962
203.25	4,115	1,003
203.26	4,123	1,045
203.27	4,131	1,086
203.28	4,139	1,127
203.29	4,147	1,169
203.30	4,156	1,210
203.31	4,164	1,252
203.32	4,172	1,293
203.33	4,180	1,335
203.34	4,188	1,377
203.35	4,196	1,419
203.36	4,204	1,461
203.37	4,212	1,503
203.38	4,221	1,545
203.39	4,229	1,587
203.40	4,237	1,630
203.41	4,245	1,672
203.42	4,253	1,715
203.43	4,261	1,757
203.44	4,269	1,800
203.45	4,277	1,843
203.46	4,286	1,885
203.47	4,294	1,928
203.48	4,302	1,971
203.49	4,310	2,014
203.50	4,318	2,058
203.51	4,326	2,101
203.52	4,334	2,144
203.53	4,342	2,187
203.54	4,350	2,231
203.55	4,359	2,274
203.56	4,367	2,318
203.57	4,375	2,362
203.58	4,383	2,406
203.59	4,391	2,449
203.60	4,399	2,493
203.61	4,407	2,537
203.62	4,415	2,582
203.63	4,424	2,626
203.64	4,432	2,670
203.65	4,440	2,714
203.66	4,448	2,759
203.67	4,456	2,803
203.68	4,464	2,848
203.69	4,472	2,893
203.70	4,480	2,937
203.71	4,489	2,982
203.72	4,497	3,027
203.73	4,505	3,072
203.74	4,513	3,117
203.75	4,521	3,162
203.76	4,529	3,208
203.77	4,537	3,253
203.78	4,545	3,298
203.79	4,553	3,344
203.80	4,562	3,389
203.81	4,570	3,435
203.82	4,578	3,481
203.83	4,586	3,527
203.84	4,594	3,573
203.85	4,602	3,619
203.86	4,610	3,665
203.87	4,618	3,711
203.88	4,627	3,757
203.89	4,635	3,803
203.90	4,643	3,850
203.91	4,651	3,896
203.92	4,659	3,943
203.93	4,667	3,989
203.94	4,675	4,036
203.95	4,683	4,083
203.96	4,692	4,130
203.97	4,700	4,177
203.98	4,708	4,224
203.99	4,716	4,271
204.00	4,724	4,318
204.01	4,733	4,365
204.02	4,742	4,413
204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 2.27" for Future 2 yr event
Inflow = 6.33 cfs @ 12.12 hrs, Volume= 0.441 af
Outflow = 4.02 cfs @ 12.20 hrs, Volume= 0.358 af, Atten= 37%, Lag= 5.2 min
Primary = 4.02 cfs @ 12.20 hrs, Volume= 0.358 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.34' @ 12.20 hrs Surf.Area= 5,666 sf Storage= 6,645 cf

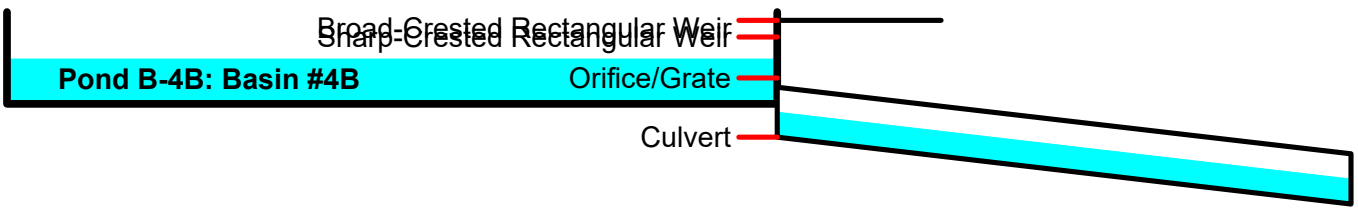
Plug-Flow detention time= 158.4 min calculated for 0.358 af (81% of inflow)
Center-of-Mass det. time= 76.5 min (871.1 - 794.5)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

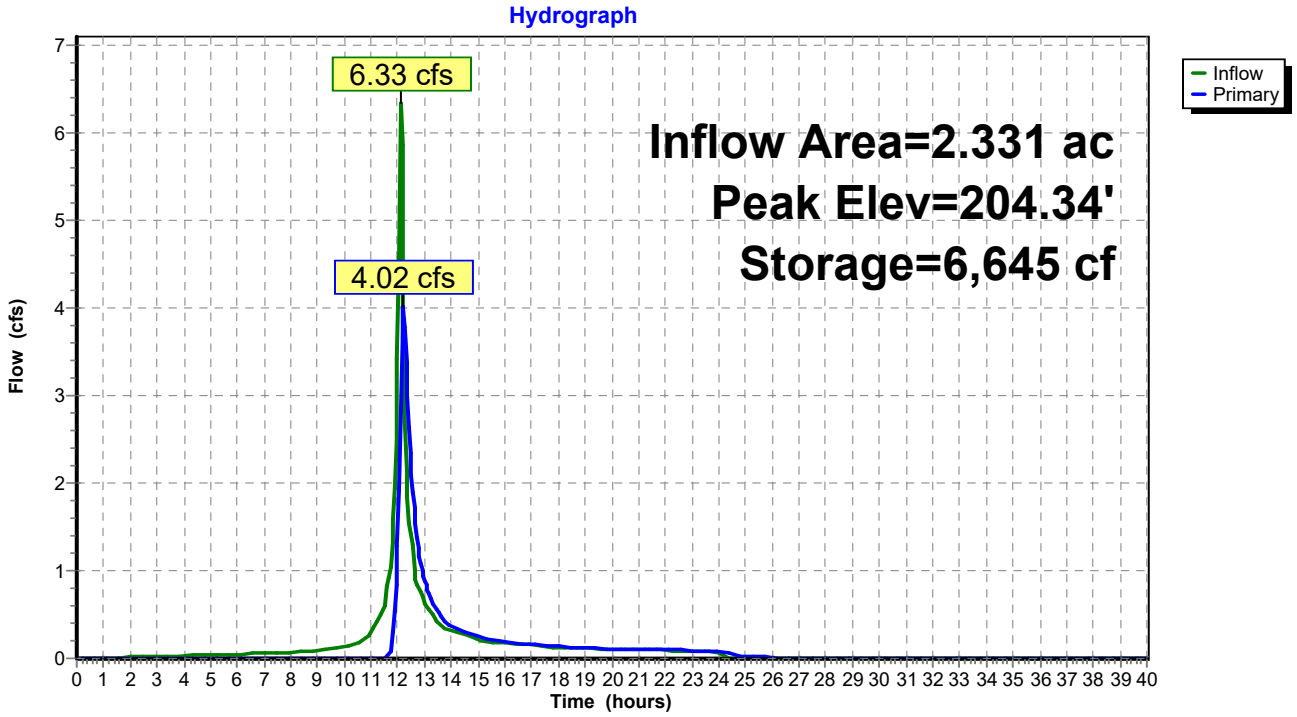
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=4.00 cfs @ 12.20 hrs HW=204.34' (Free Discharge)
- **1=Culvert** (Passes 4.00 cfs of 8.04 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.00 cfs @ 2.39 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.00	0	203.00	0.00
1.00	0.00	0	203.00	0.00
1.10	0.00	0	203.00	0.00
1.20	0.00	1	203.00	0.00
1.30	0.00	2	203.00	0.00
1.40	0.01	3	203.00	0.00
1.50	0.01	5	203.00	0.00
1.60	0.01	8	203.00	0.00
1.70	0.01	11	203.00	0.00
1.80	0.01	14	203.00	0.00
1.90	0.01	18	203.00	0.00
2.00	0.01	23	203.01	0.00
2.10	0.01	28	203.01	0.00
2.20	0.01	33	203.01	0.00
2.30	0.02	38	203.01	0.00
2.40	0.02	44	203.01	0.00
2.50	0.02	51	203.01	0.00
2.60	0.02	57	203.01	0.00
2.70	0.02	64	203.01	0.00
2.80	0.02	72	203.02	0.00
2.90	0.02	79	203.02	0.00
3.00	0.02	87	203.02	0.00
3.10	0.02	96	203.02	0.00
3.20	0.02	104	203.02	0.00
3.30	0.03	113	203.03	0.00
3.40	0.03	123	203.03	0.00
3.50	0.03	132	203.03	0.00
3.60	0.03	142	203.03	0.00
3.70	0.03	152	203.04	0.00
3.80	0.03	163	203.04	0.00
3.90	0.03	173	203.04	0.00
4.00	0.03	184	203.04	0.00
4.10	0.03	195	203.05	0.00
4.20	0.03	207	203.05	0.00
4.30	0.03	218	203.05	0.00
4.40	0.03	230	203.05	0.00
4.50	0.03	243	203.06	0.00
4.60	0.03	255	203.06	0.00
4.70	0.04	268	203.06	0.00
4.80	0.04	281	203.06	0.00
4.90	0.04	294	203.07	0.00
5.00	0.04	307	203.07	0.00
5.10	0.04	321	203.07	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	335	203.08	0.00
5.30	0.04	349	203.08	0.00
5.40	0.04	363	203.08	0.00
5.50	0.04	377	203.09	0.00
5.60	0.04	392	203.09	0.00
5.70	0.04	407	203.09	0.00
5.80	0.04	422	203.10	0.00
5.90	0.04	437	203.10	0.00
6.00	0.04	453	203.10	0.00
6.10	0.04	468	203.11	0.00
6.20	0.05	484	203.11	0.00
6.30	0.05	501	203.12	0.00
6.40	0.05	518	203.12	0.00
6.50	0.05	536	203.12	0.00
6.60	0.05	554	203.13	0.00
6.70	0.05	573	203.13	0.00
6.80	0.05	592	203.14	0.00
6.90	0.06	612	203.14	0.00
7.00	0.06	632	203.14	0.00
7.10	0.06	653	203.15	0.00
7.20	0.06	674	203.15	0.00
7.30	0.06	696	203.16	0.00
7.40	0.06	718	203.16	0.00
7.50	0.06	741	203.17	0.00
7.60	0.07	764	203.17	0.00
7.70	0.07	788	203.18	0.00
7.80	0.07	812	203.19	0.00
7.90	0.07	837	203.19	0.00
8.00	0.07	862	203.20	0.00
8.10	0.07	888	203.20	0.00
8.20	0.07	914	203.21	0.00
8.30	0.08	941	203.21	0.00
8.40	0.08	969	203.22	0.00
8.50	0.08	997	203.23	0.00
8.60	0.08	1,025	203.23	0.00
8.70	0.08	1,054	203.24	0.00
8.80	0.08	1,084	203.25	0.00
8.90	0.08	1,114	203.25	0.00
9.00	0.09	1,144	203.26	0.00
9.10	0.09	1,176	203.27	0.00
9.20	0.09	1,209	203.27	0.00
9.30	0.10	1,243	203.28	0.00
9.40	0.10	1,280	203.29	0.00
9.50	0.11	1,318	203.30	0.00
9.60	0.11	1,358	203.31	0.00
9.70	0.12	1,400	203.31	0.00
9.80	0.12	1,444	203.32	0.00
9.90	0.13	1,489	203.33	0.00
10.00	0.13	1,537	203.34	0.00
10.10	0.14	1,586	203.35	0.00
10.20	0.15	1,637	203.37	0.00
10.30	0.16	1,692	203.38	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.16	1,749	203.39	0.00
10.50	0.17	1,809	203.40	0.00
10.60	0.19	1,874	203.42	0.00
10.70	0.22	1,947	203.43	0.00
10.80	0.24	2,029	203.45	0.00
10.90	0.27	2,120	203.47	0.00
11.00	0.30	2,221	203.49	0.00
11.10	0.34	2,335	203.51	0.00
11.20	0.39	2,466	203.54	0.00
11.30	0.45	2,616	203.57	0.00
11.40	0.51	2,787	203.61	0.00
11.50	0.56	2,978	203.65	0.00
11.60	0.83	3,220	203.69	0.00
11.70	0.98	3,547	203.76	0.00
11.80	1.33	3,938	203.84	0.13
11.90	1.93	4,399	203.93	0.53
12.00	3.42	5,011	204.04	1.29
12.10	**6.22**	5,981	204.22	2.81
12.20	3.68	**6,645**	**204.34**	**4.01**
12.30	2.13	6,307	204.28	3.38
12.40	1.54	5,886	204.20	2.64
12.50	1.37	5,557	204.14	2.10
12.60	0.99	5,307	204.10	1.71
12.70	0.85	5,080	204.05	1.38
12.80	0.78	4,918	204.02	1.16
12.90	0.71	4,799	204.00	1.00
13.00	0.64	4,703	203.98	0.88
13.10	0.57	4,621	203.97	0.78
13.20	0.52	4,550	203.95	0.70
13.30	0.48	4,491	203.94	0.63
13.40	0.44	4,440	203.93	0.58
13.50	0.40	4,394	203.92	0.53
13.60	0.36	4,350	203.92	0.48
13.70	0.35	4,311	203.91	0.44
13.80	0.34	4,281	203.90	0.41
13.90	0.33	4,256	203.90	0.39
14.00	0.32	4,235	203.89	0.37
14.10	0.31	4,217	203.89	0.35
14.20	0.30	4,201	203.89	0.34
14.30	0.29	4,186	203.88	0.32
14.40	0.28	4,173	203.88	0.31
14.50	0.27	4,160	203.88	0.30
14.60	0.26	4,148	203.88	0.29
14.70	0.24	4,135	203.87	0.28
14.80	0.23	4,122	203.87	0.27
14.90	0.22	4,110	203.87	0.26
15.00	0.21	4,097	203.87	0.25
15.10	0.20	4,085	203.86	0.24
15.20	0.20	4,073	203.86	0.23
15.30	0.20	4,063	203.86	0.22
15.40	0.19	4,055	203.86	0.21
15.50	0.19	4,048	203.86	0.21

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	4,042	203.86	0.20
15.70	0.18	4,036	203.86	0.20
15.80	0.18	4,031	203.85	0.19
15.90	0.18	4,027	203.85	0.19
16.00	0.18	4,023	203.85	0.19
16.10	0.17	4,019	203.85	0.19
16.20	0.17	4,015	203.85	0.18
16.30	0.17	4,011	203.85	0.18
16.40	0.17	4,007	203.85	0.18
16.50	0.16	4,003	203.85	0.17
16.60	0.16	3,999	203.85	0.17
16.70	0.16	3,995	203.85	0.17
16.80	0.15	3,991	203.85	0.17
16.90	0.15	3,987	203.85	0.16
17.00	0.15	3,983	203.84	0.16
17.10	0.15	3,979	203.84	0.16
17.20	0.14	3,975	203.84	0.16
17.30	0.14	3,971	203.84	0.15
17.40	0.14	3,966	203.84	0.15
17.50	0.14	3,962	203.84	0.15
17.60	0.13	3,958	203.84	0.14
17.70	0.13	3,954	203.84	0.14
17.80	0.13	3,950	203.84	0.14
17.90	0.12	3,946	203.84	0.14
18.00	0.12	3,942	203.84	0.13
18.10	0.12	3,938	203.84	0.13
18.20	0.12	3,934	203.84	0.13
18.30	0.12	3,930	203.83	0.12
18.40	0.12	3,927	203.83	0.12
18.50	0.11	3,925	203.83	0.12
18.60	0.11	3,923	203.83	0.12
18.70	0.11	3,921	203.83	0.12
18.80	0.11	3,919	203.83	0.12
18.90	0.11	3,918	203.83	0.12
19.00	0.11	3,916	203.83	0.12
19.10	0.11	3,915	203.83	0.11
19.20	0.11	3,914	203.83	0.11
19.30	0.11	3,913	203.83	0.11
19.40	0.11	3,911	203.83	0.11
19.50	0.11	3,910	203.83	0.11
19.60	0.11	3,909	203.83	0.11
19.70	0.11	3,908	203.83	0.11
19.80	0.11	3,907	203.83	0.11
19.90	0.11	3,906	203.83	0.11
20.00	0.10	3,905	203.83	0.11
20.10	0.10	3,904	203.83	0.11
20.20	0.10	3,903	203.83	0.11
20.30	0.10	3,902	203.83	0.11
20.40	0.10	3,901	203.83	0.10
20.50	0.10	3,900	203.83	0.10
20.60	0.10	3,899	203.83	0.10
20.70	0.10	3,898	203.83	0.10

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	3,897	203.83	0.10
20.90	0.10	3,896	203.83	0.10
21.00	0.10	3,895	203.83	0.10
21.10	0.10	3,894	203.83	0.10
21.20	0.10	3,893	203.83	0.10
21.30	0.10	3,892	203.83	0.10
21.40	0.09	3,891	203.83	0.10
21.50	0.09	3,890	203.83	0.10
21.60	0.09	3,888	203.83	0.10
21.70	0.09	3,887	203.83	0.10
21.80	0.09	3,886	203.83	0.10
21.90	0.09	3,885	203.83	0.09
22.00	0.09	3,884	203.83	0.09
22.10	0.09	3,883	203.83	0.09
22.20	0.09	3,882	203.83	0.09
22.30	0.09	3,881	203.82	0.09
22.40	0.09	3,880	203.82	0.09
22.50	0.09	3,879	203.82	0.09
22.60	0.09	3,878	203.82	0.09
22.70	0.09	3,877	203.82	0.09
22.80	0.08	3,875	203.82	0.09
22.90	0.08	3,874	203.82	0.09
23.00	0.08	3,873	203.82	0.09
23.10	0.08	3,871	203.82	0.09
23.20	0.08	3,870	203.82	0.09
23.30	0.08	3,868	203.82	0.09
23.40	0.08	3,867	203.82	0.08
23.50	0.08	3,866	203.82	0.08
23.60	0.08	3,864	203.82	0.08
23.70	0.08	3,863	203.82	0.08
23.80	0.08	3,862	203.82	0.08
23.90	0.08	3,860	203.82	0.08
24.00	0.09	3,861	203.82	0.08
24.10	0.02	3,854	203.82	0.08
24.20	0.00	3,831	203.82	0.07
24.30	0.00	3,809	203.81	0.06
24.40	0.00	3,791	203.81	0.05
24.50	0.00	3,775	203.80	0.04
24.60	0.00	3,763	203.80	0.03
24.70	0.00	3,752	203.80	0.03
24.80	0.00	3,743	203.80	0.02
24.90	0.00	3,735	203.80	0.02
25.00	0.00	3,728	203.79	0.02
25.10	0.00	3,721	203.79	0.02
25.20	0.00	3,715	203.79	0.02
25.30	0.00	3,710	203.79	0.01
25.40	0.00	3,705	203.79	0.01
25.50	0.00	3,700	203.79	0.01
25.60	0.00	3,696	203.79	0.01
25.70	0.00	3,693	203.79	0.01
25.80	0.00	3,689	203.79	0.01
25.90	0.00	3,686	203.79	0.01

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,683	203.79	0.01
26.10	0.00	3,680	203.79	0.01
26.20	0.00	3,678	203.79	0.01
26.30	0.00	3,676	203.78	0.01
26.40	0.00	3,674	203.78	0.01
26.50	0.00	3,672	203.78	0.00
26.60	0.00	3,670	203.78	0.00
26.70	0.00	3,669	203.78	0.00
26.80	0.00	3,667	203.78	0.00
26.90	0.00	3,666	203.78	0.00
27.00	0.00	3,665	203.78	0.00
27.10	0.00	3,664	203.78	0.00
27.20	0.00	3,663	203.78	0.00
27.30	0.00	3,662	203.78	0.00
27.40	0.00	3,661	203.78	0.00
27.50	0.00	3,660	203.78	0.00
27.60	0.00	3,660	203.78	0.00
27.70	0.00	3,659	203.78	0.00
27.80	0.00	3,659	203.78	0.00
27.90	0.00	3,658	203.78	0.00
28.00	0.00	3,658	203.78	0.00
28.10	0.00	3,657	203.78	0.00
28.20	0.00	3,657	203.78	0.00
28.30	0.00	3,656	203.78	0.00
28.40	0.00	3,656	203.78	0.00
28.50	0.00	3,656	203.78	0.00
28.60	0.00	3,655	203.78	0.00
28.70	0.00	3,655	203.78	0.00
28.80	0.00	3,655	203.78	0.00
28.90	0.00	3,655	203.78	0.00
29.00	0.00	3,655	203.78	0.00
29.10	0.00	3,654	203.78	0.00
29.20	0.00	3,654	203.78	0.00
29.30	0.00	3,654	203.78	0.00
29.40	0.00	3,654	203.78	0.00
29.50	0.00	3,654	203.78	0.00
29.60	0.00	3,654	203.78	0.00
29.70	0.00	3,654	203.78	0.00
29.80	0.00	3,654	203.78	0.00
29.90	0.00	3,653	203.78	0.00
30.00	0.00	3,653	203.78	0.00
30.10	0.00	3,653	203.78	0.00
30.20	0.00	3,653	203.78	0.00
30.30	0.00	3,653	203.78	0.00
30.40	0.00	3,653	203.78	0.00
30.50	0.00	3,653	203.78	0.00
30.60	0.00	3,653	203.78	0.00
30.70	0.00	3,653	203.78	0.00
30.80	0.00	3,653	203.78	0.00
30.90	0.00	3,653	203.78	0.00
31.00	0.00	3,653	203.78	0.00
31.10	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,653	203.78	0.00
31.30	0.00	3,653	203.78	0.00
31.40	0.00	3,653	203.78	0.00
31.50	0.00	3,653	203.78	0.00
31.60	0.00	3,653	203.78	0.00
31.70	0.00	3,653	203.78	0.00
31.80	0.00	3,653	203.78	0.00
31.90	0.00	3,653	203.78	0.00
32.00	0.00	3,653	203.78	0.00
32.10	0.00	3,653	203.78	0.00
32.20	0.00	3,653	203.78	0.00
32.30	0.00	3,653	203.78	0.00
32.40	0.00	3,653	203.78	0.00
32.50	0.00	3,653	203.78	0.00
32.60	0.00	3,653	203.78	0.00
32.70	0.00	3,653	203.78	0.00
32.80	0.00	3,653	203.78	0.00
32.90	0.00	3,653	203.78	0.00
33.00	0.00	3,653	203.78	0.00
33.10	0.00	3,653	203.78	0.00
33.20	0.00	3,653	203.78	0.00
33.30	0.00	3,653	203.78	0.00
33.40	0.00	3,653	203.78	0.00
33.50	0.00	3,653	203.78	0.00
33.60	0.00	3,653	203.78	0.00
33.70	0.00	3,653	203.78	0.00
33.80	0.00	3,653	203.78	0.00
33.90	0.00	3,653	203.78	0.00
34.00	0.00	3,653	203.78	0.00
34.10	0.00	3,653	203.78	0.00
34.20	0.00	3,653	203.78	0.00
34.30	0.00	3,653	203.78	0.00
34.40	0.00	3,653	203.78	0.00
34.50	0.00	3,653	203.78	0.00
34.60	0.00	3,653	203.78	0.00
34.70	0.00	3,653	203.78	0.00
34.80	0.00	3,653	203.78	0.00
34.90	0.00	3,653	203.78	0.00
35.00	0.00	3,653	203.78	0.00
35.10	0.00	3,653	203.78	0.00
35.20	0.00	3,653	203.78	0.00
35.30	0.00	3,653	203.78	0.00
35.40	0.00	3,653	203.78	0.00
35.50	0.00	3,653	203.78	0.00
35.60	0.00	3,653	203.78	0.00
35.70	0.00	3,653	203.78	0.00
35.80	0.00	3,653	203.78	0.00
35.90	0.00	3,653	203.78	0.00
36.00	0.00	3,653	203.78	0.00
36.10	0.00	3,653	203.78	0.00
36.20	0.00	3,653	203.78	0.00
36.30	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,653	203.78	0.00
36.50	0.00	3,653	203.78	0.00
36.60	0.00	3,653	203.78	0.00
36.70	0.00	3,653	203.78	0.00
36.80	0.00	3,653	203.78	0.00
36.90	0.00	3,653	203.78	0.00
37.00	0.00	3,653	203.78	0.00
37.10	0.00	3,653	203.78	0.00
37.20	0.00	3,653	203.78	0.00
37.30	0.00	3,653	203.78	0.00
37.40	0.00	3,653	203.78	0.00
37.50	0.00	3,653	203.78	0.00
37.60	0.00	3,653	203.78	0.00
37.70	0.00	3,653	203.78	0.00
37.80	0.00	3,653	203.78	0.00
37.90	0.00	3,653	203.78	0.00
38.00	0.00	3,653	203.78	0.00
38.10	0.00	3,653	203.78	0.00
38.20	0.00	3,653	203.78	0.00
38.30	0.00	3,653	203.78	0.00
38.40	0.00	3,653	203.78	0.00
38.50	0.00	3,653	203.78	0.00
38.60	0.00	3,653	203.78	0.00
38.70	0.00	3,653	203.78	0.00
38.80	0.00	3,653	203.78	0.00
38.90	0.00	3,653	203.78	0.00
39.00	0.00	3,653	203.78	0.00
39.10	0.00	3,653	203.78	0.00
39.20	0.00	3,653	203.78	0.00
39.30	0.00	3,653	203.78	0.00
39.40	0.00	3,653	203.78	0.00
39.50	0.00	3,653	203.78	0.00
39.60	0.00	3,653	203.78	0.00
39.70	0.00	3,653	203.78	0.00
39.80	0.00	3,653	203.78	0.00
39.90	0.00	3,653	203.78	0.00
40.00	0.00	3,653	203.78	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0
203.01	4,302	43
203.02	4,312	86
203.03	4,322	129
203.04	4,332	172
203.05	4,342	216
203.06	4,352	259
203.07	4,362	303
203.08	4,372	347
203.09	4,382	390
203.10	4,392	434
203.11	4,402	478
203.12	4,412	522
203.13	4,422	566
203.14	4,432	611
203.15	4,442	655
203.16	4,452	700
203.17	4,462	744
203.18	4,472	789
203.19	4,482	834
203.20	4,492	878
203.21	4,502	923
203.22	4,512	968
203.23	4,522	1,014
203.24	4,532	1,059
203.25	4,543	1,104
203.26	4,553	1,150
203.27	4,563	1,195
203.28	4,573	1,241
203.29	4,583	1,287
203.30	4,593	1,333
203.31	4,603	1,379
203.32	4,613	1,425
203.33	4,623	1,471
203.34	4,633	1,517
203.35	4,643	1,564
203.36	4,653	1,610
203.37	4,663	1,657
203.38	4,673	1,703
203.39	4,683	1,750
203.40	4,693	1,797
203.41	4,703	1,844
203.42	4,713	1,891
203.43	4,723	1,938
203.44	4,733	1,985
203.45	4,743	2,033
203.46	4,753	2,080
203.47	4,763	2,128
203.48	4,773	2,176
203.49	4,783	2,223
203.50	4,793	2,271
203.51	4,803	2,319
203.52	4,813	2,367
203.53	4,823	2,415
203.54	4,833	2,464
203.55	4,843	2,512
203.56	4,853	2,561
203.57	4,863	2,609
203.58	4,873	2,658
203.59	4,883	2,707
203.60	4,893	2,756
203.61	4,903	2,805
203.62	4,913	2,854
203.63	4,923	2,903
203.64	4,933	2,952
203.65	4,943	3,001
203.66	4,953	3,051
203.67	4,963	3,101
203.68	4,973	3,150
203.69	4,983	3,200
203.70	4,993	3,250
203.71	5,003	3,300
203.72	5,013	3,350
203.73	5,023	3,400
203.74	5,033	3,450
203.75	5,044	3,501
203.76	5,054	3,551
203.77	5,064	3,602
203.78	5,074	3,653
203.79	5,084	3,703
203.80	5,094	3,754
203.81	5,104	3,805
203.82	5,114	3,856
203.83	5,124	3,907
203.84	5,134	3,959
203.85	5,144	4,010
203.86	5,154	4,062
203.87	5,164	4,113
203.88	5,174	4,165
203.89	5,184	4,217
203.90	5,194	4,269
203.91	5,204	4,321
203.92	5,214	4,373
203.93	5,224	4,425
203.94	5,234	4,477
203.95	5,244	4,530
203.96	5,254	4,582
203.97	5,264	4,635
203.98	5,274	4,687
203.99	5,284	4,740
204.00	5,294	4,793
204.01	5,305	4,846
204.02	5,316	4,899
204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006
204.05	5,349	5,059
204.06	5,360	5,113
204.07	5,371	5,166
204.08	5,382	5,220
204.09	5,393	5,274
204.10	5,404	5,328
204.11	5,415	5,382
204.12	5,426	5,436
204.13	5,437	5,491
204.14	5,448	5,545
204.15	5,459	5,599
204.16	5,470	5,654
204.17	5,481	5,709
204.18	5,492	5,764
204.19	5,503	5,819
204.20	5,514	5,874
204.21	5,525	5,929
204.22	5,536	5,984
204.23	5,547	6,040
204.24	5,558	6,095
204.25	5,569	6,151
204.26	5,580	6,207
204.27	5,591	6,262
204.28	5,602	6,318
204.29	5,613	6,374
204.30	5,624	6,431
204.31	5,635	6,487
204.32	5,646	6,543
204.33	5,657	6,600
204.34	5,668	6,656
204.35	5,679	6,713
204.36	5,690	6,770
204.37	5,701	6,827
204.38	5,712	6,884
204.39	5,723	6,941
204.40	5,734	6,999
204.41	5,745	7,056
204.42	5,756	7,113
204.43	5,767	7,171
204.44	5,778	7,229
204.45	5,789	7,287
204.46	5,800	7,345
204.47	5,811	7,403
204.48	5,822	7,461
204.49	5,833	7,519
204.50	5,844	7,577
204.51	5,854	7,636
204.52	5,865	7,694
204.53	5,876	7,753
204.54	5,887	7,812
204.55	5,898	7,871
204.56	5,909	7,930
204.57	5,920	7,989
204.58	5,931	8,048
204.59	5,942	8,108
204.60	5,953	8,167
204.61	5,964	8,227
204.62	5,975	8,287
204.63	5,986	8,346
204.64	5,997	8,406
204.65	6,008	8,466
204.66	6,019	8,526
204.67	6,030	8,587
204.68	6,041	8,647
204.69	6,052	8,707
204.70	6,063	8,768
204.71	6,074	8,829
204.72	6,085	8,890
204.73	6,096	8,950
204.74	6,107	9,011
204.75	6,118	9,073
204.76	6,129	9,134
204.77	6,140	9,195
204.78	6,151	9,257
204.79	6,162	9,318
204.80	6,173	9,380
204.81	6,184	9,442
204.82	6,195	9,504
204.83	6,206	9,566
204.84	6,217	9,628
204.85	6,228	9,690
204.86	6,239	9,752
204.87	6,250	9,815
204.88	6,261	9,877
204.89	6,272	9,940
204.90	6,283	10,003
204.91	6,294	10,066
204.92	6,305	10,129
204.93	6,316	10,192
204.94	6,327	10,255
204.95	6,338	10,318
204.96	6,349	10,382
204.97	6,360	10,445
204.98	6,371	10,509
204.99	6,382	10,573
205.00	6,393	10,637
205.01	6,400	10,700
205.02	6,407	10,765
205.03	6,415	10,829
205.04	6,422	10,893
205.05	6,429	10,957
205.06	6,436	11,021
205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 1.80" for Future 2 yr event
Inflow = 8.81 cfs @ 12.18 hrs, Volume= 0.800 af
Outflow = 0.20 cfs @ 22.53 hrs, Volume= 0.427 af, Atten= 98%, Lag= 620.9 min
Primary = 0.20 cfs @ 22.53 hrs, Volume= 0.427 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.64' @ 22.53 hrs Surf.Area= 16,528 sf Storage= 26,234 cf

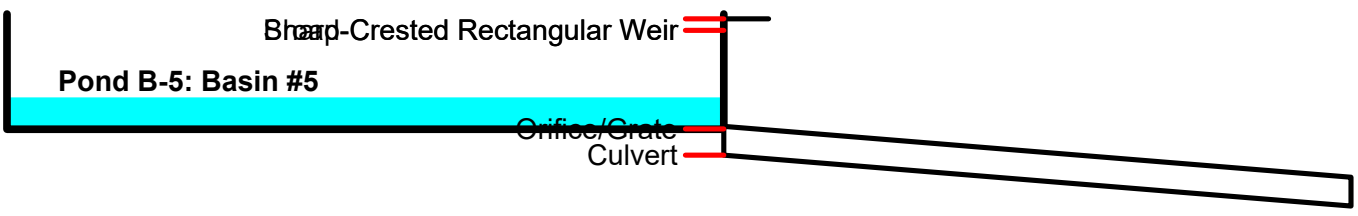
Plug-Flow detention time= 803.5 min calculated for 0.427 af (53% of inflow)
Center-of-Mass det. time= 677.3 min (1,544.6 - 867.3)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

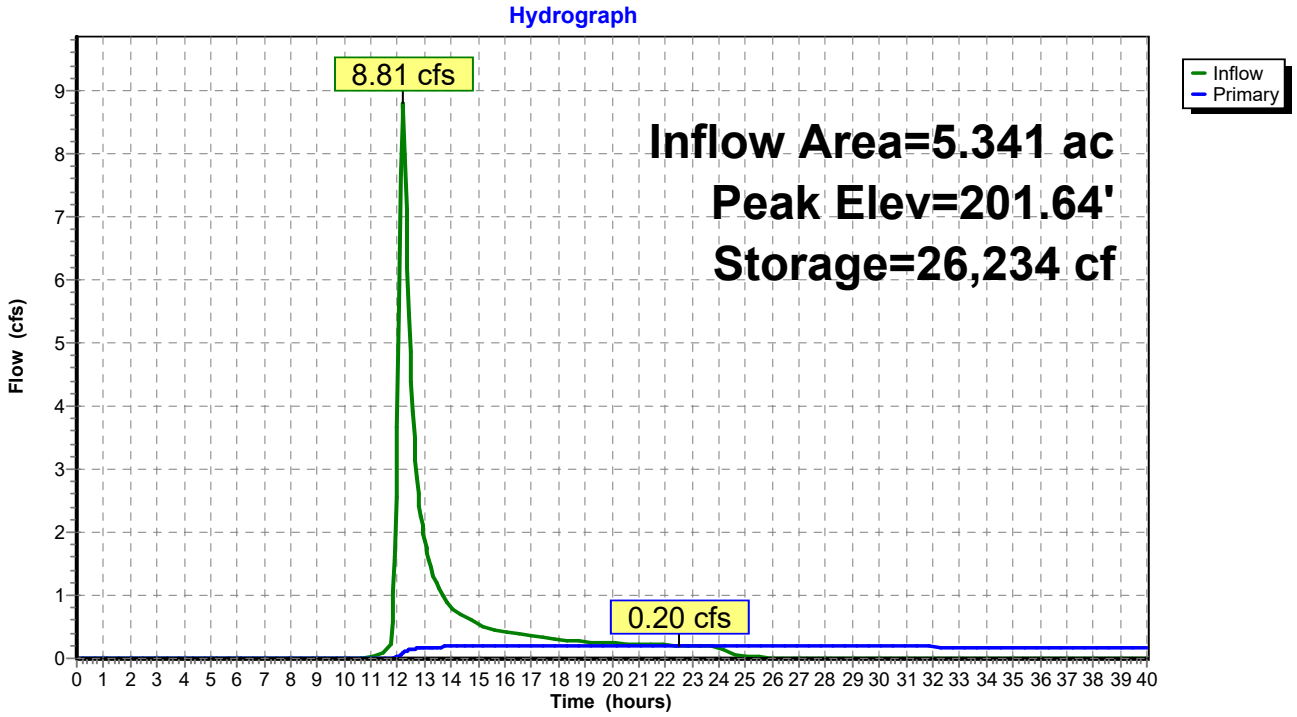
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.20 cfs @ 22.53 hrs HW=201.64' (Free Discharge)
- **1=Culvert** (Passes 0.20 cfs of 12.74 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.93 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	0	200.00	0.00
1.50	0.00	0	200.00	0.00
1.60	0.00	0	200.00	0.00
1.70	0.00	0	200.00	0.00
1.80	0.00	0	200.00	0.00
1.90	0.00	0	200.00	0.00
2.00	0.00	0	200.00	0.00
2.10	0.00	0	200.00	0.00
2.20	0.00	0	200.00	0.00
2.30	0.00	0	200.00	0.00
2.40	0.00	0	200.00	0.00
2.50	0.00	0	200.00	0.00
2.60	0.00	0	200.00	0.00
2.70	0.00	0	200.00	0.00
2.80	0.00	0	200.00	0.00
2.90	0.00	0	200.00	0.00
3.00	0.00	0	200.00	0.00
3.10	0.00	0	200.00	0.00
3.20	0.00	0	200.00	0.00
3.30	0.00	0	200.00	0.00
3.40	0.00	0	200.00	0.00
3.50	0.00	0	200.00	0.00
3.60	0.00	0	200.00	0.00
3.70	0.00	0	200.00	0.00
3.80	0.00	0	200.00	0.00
3.90	0.00	0	200.00	0.00
4.00	0.00	0	200.00	0.00
4.10	0.00	0	200.00	0.00
4.20	0.00	0	200.00	0.00
4.30	0.00	0	200.00	0.00
4.40	0.00	0	200.00	0.00
4.50	0.00	0	200.00	0.00
4.60	0.00	0	200.00	0.00
4.70	0.00	0	200.00	0.00
4.80	0.00	0	200.00	0.00
4.90	0.00	0	200.00	0.00
5.00	0.00	0	200.00	0.00
5.10	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	200.00	0.00
5.30	0.00	0	200.00	0.00
5.40	0.00	0	200.00	0.00
5.50	0.00	0	200.00	0.00
5.60	0.00	0	200.00	0.00
5.70	0.00	0	200.00	0.00
5.80	0.00	0	200.00	0.00
5.90	0.00	0	200.00	0.00
6.00	0.00	0	200.00	0.00
6.10	0.00	0	200.00	0.00
6.20	0.00	0	200.00	0.00
6.30	0.00	0	200.00	0.00
6.40	0.00	0	200.00	0.00
6.50	0.00	0	200.00	0.00
6.60	0.00	0	200.00	0.00
6.70	0.00	0	200.00	0.00
6.80	0.00	0	200.00	0.00
6.90	0.00	0	200.00	0.00
7.00	0.00	0	200.00	0.00
7.10	0.00	0	200.00	0.00
7.20	0.00	0	200.00	0.00
7.30	0.00	0	200.00	0.00
7.40	0.00	0	200.00	0.00
7.50	0.00	0	200.00	0.00
7.60	0.00	0	200.00	0.00
7.70	0.00	0	200.00	0.00
7.80	0.00	0	200.00	0.00
7.90	0.00	0	200.00	0.00
8.00	0.00	0	200.00	0.00
8.10	0.00	0	200.00	0.00
8.20	0.00	0	200.00	0.00
8.30	0.00	0	200.00	0.00
8.40	0.00	0	200.00	0.00
8.50	0.00	0	200.00	0.00
8.60	0.00	0	200.00	0.00
8.70	0.00	0	200.00	0.00
8.80	0.00	0	200.00	0.00
8.90	0.00	0	200.00	0.00
9.00	0.00	0	200.00	0.00
9.10	0.00	0	200.00	0.00
9.20	0.00	0	200.00	0.00
9.30	0.00	0	200.00	0.00
9.40	0.00	0	200.00	0.00
9.50	0.00	0	200.00	0.00
9.60	0.00	0	200.00	0.00
9.70	0.00	0	200.00	0.00
9.80	0.00	0	200.00	0.00
9.90	0.00	0	200.00	0.00
10.00	0.00	0	200.00	0.00
10.10	0.00	0	200.00	0.00
10.20	0.00	1	200.00	0.00
10.30	0.00	2	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	3	200.00	0.00
10.50	0.01	5	200.00	0.00
10.60	0.01	8	200.00	0.00
10.70	0.01	11	200.00	0.00
10.80	0.01	16	200.00	0.00
10.90	0.02	22	200.00	0.00
11.00	0.02	30	200.00	0.00
11.10	0.03	40	200.00	0.00
11.20	0.04	52	200.00	0.00
11.30	0.05	68	200.00	0.00
11.40	0.06	88	200.01	0.00
11.50	0.07	111	200.01	0.00
11.60	0.12	149	200.01	0.00
11.70	0.15	198	200.01	0.00
11.80	0.57	315	200.02	0.00
11.90	1.62	701	200.05	0.00
12.00	3.67	1,636	200.11	0.01
12.10	7.67	3,653	200.24	0.05
12.20	**8.76**	6,648	200.43	0.09
12.30	7.11	9,476	200.61	0.11
12.40	5.47	11,681	200.74	0.13
12.50	4.39	13,394	200.85	0.14
12.60	3.51	14,756	200.94	0.15
12.70	2.86	15,842	201.00	0.15
12.80	2.42	16,731	201.06	0.16
12.90	2.11	17,484	201.11	0.16
13.00	1.86	18,137	201.15	0.17
13.10	1.65	18,707	201.18	0.17
13.20	1.48	19,210	201.21	0.17
13.30	1.35	19,657	201.24	0.17
13.40	1.23	20,057	201.26	0.18
13.50	1.13	20,417	201.29	0.18
13.60	1.03	20,741	201.31	0.18
13.70	0.95	21,032	201.32	0.18
13.80	0.89	21,299	201.34	0.18
13.90	0.84	21,546	201.36	0.18
14.00	0.80	21,776	201.37	0.18
14.10	0.77	21,993	201.38	0.18
14.20	0.74	22,199	201.40	0.19
14.30	0.71	22,393	201.41	0.19
14.40	0.69	22,578	201.42	0.19
14.50	0.66	22,752	201.43	0.19
14.60	0.64	22,918	201.44	0.19
14.70	0.61	23,075	201.45	0.19
14.80	0.59	23,223	201.46	0.19
14.90	0.57	23,363	201.47	0.19
15.00	0.54	23,494	201.48	0.19
15.10	0.52	23,616	201.48	0.19
15.20	0.50	23,731	201.49	0.19
15.30	0.49	23,840	201.50	0.19
15.40	0.47	23,943	201.50	0.19
15.50	0.46	24,041	201.51	0.19

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.45	24,136	201.51	0.19
15.70	0.44	24,227	201.52	0.19
15.80	0.43	24,314	201.53	0.19
15.90	0.43	24,399	201.53	0.19
16.00	0.42	24,481	201.54	0.19
16.10	0.41	24,560	201.54	0.20
16.20	0.41	24,637	201.54	0.20
16.30	0.40	24,711	201.55	0.20
16.40	0.39	24,783	201.55	0.20
16.50	0.39	24,853	201.56	0.20
16.60	0.38	24,920	201.56	0.20
16.70	0.37	24,985	201.57	0.20
16.80	0.37	25,048	201.57	0.20
16.90	0.36	25,108	201.57	0.20
17.00	0.36	25,166	201.58	0.20
17.10	0.35	25,222	201.58	0.20
17.20	0.34	25,275	201.58	0.20
17.30	0.34	25,326	201.59	0.20
17.40	0.33	25,375	201.59	0.20
17.50	0.32	25,421	201.59	0.20
17.60	0.32	25,465	201.60	0.20
17.70	0.31	25,507	201.60	0.20
17.80	0.31	25,546	201.60	0.20
17.90	0.30	25,583	201.60	0.20
18.00	0.29	25,618	201.60	0.20
18.10	0.29	25,651	201.61	0.20
18.20	0.28	25,681	201.61	0.20
18.30	0.28	25,710	201.61	0.20
18.40	0.27	25,738	201.61	0.20
18.50	0.27	25,764	201.61	0.20
18.60	0.27	25,788	201.61	0.20
18.70	0.27	25,812	201.62	0.20
18.80	0.26	25,835	201.62	0.20
18.90	0.26	25,857	201.62	0.20
19.00	0.26	25,878	201.62	0.20
19.10	0.26	25,899	201.62	0.20
19.20	0.25	25,919	201.62	0.20
19.30	0.25	25,938	201.62	0.20
19.40	0.25	25,956	201.62	0.20
19.50	0.25	25,974	201.63	0.20
19.60	0.25	25,991	201.63	0.20
19.70	0.25	26,007	201.63	0.20
19.80	0.24	26,023	201.63	0.20
19.90	0.24	26,039	201.63	0.20
20.00	0.24	26,054	201.63	0.20
20.10	0.24	26,068	201.63	0.20
20.20	0.24	26,081	201.63	0.20
20.30	0.24	26,094	201.63	0.20
20.40	0.24	26,107	201.63	0.20
20.50	0.23	26,119	201.63	0.20
20.60	0.23	26,130	201.64	0.20
20.70	0.23	26,140	201.64	0.20

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.23	26,151	201.64	0.20
20.90	0.23	26,160	201.64	0.20
21.00	0.23	26,169	201.64	0.20
21.10	0.22	26,177	201.64	0.20
21.20	0.22	26,185	201.64	0.20
21.30	0.22	26,192	201.64	0.20
21.40	0.22	26,199	201.64	0.20
21.50	0.22	26,205	201.64	0.20
21.60	0.22	26,211	201.64	0.20
21.70	0.21	26,215	201.64	0.20
21.80	0.21	26,220	201.64	0.20
21.90	0.21	26,224	201.64	0.20
22.00	0.21	26,227	201.64	0.20
22.10	0.21	26,229	201.64	0.20
22.20	0.21	26,231	201.64	0.20
22.30	0.21	26,233	201.64	0.20
22.40	0.20	26,234	201.64	0.20
22.50	0.20	**26,234**	**201.64**	**0.20**
22.60	0.20	**26,234**	**201.64**	**0.20**
22.70	0.20	26,234	201.64	0.20
22.80	0.20	26,232	201.64	0.20
22.90	0.20	26,231	201.64	0.20
23.00	0.20	26,228	201.64	0.20
23.10	0.19	26,226	201.64	0.20
23.20	0.19	26,222	201.64	0.20
23.30	0.19	26,218	201.64	0.20
23.40	0.19	26,214	201.64	0.20
23.50	0.19	26,209	201.64	0.20
23.60	0.19	26,203	201.64	0.20
23.70	0.18	26,197	201.64	0.20
23.80	0.18	26,190	201.64	0.20
23.90	0.18	26,183	201.64	0.20
24.00	0.19	26,176	201.64	0.20
24.10	0.15	26,164	201.64	0.20
24.20	0.13	26,141	201.64	0.20
24.30	0.10	26,110	201.63	0.20
24.40	0.09	26,072	201.63	0.20
24.50	0.08	26,029	201.63	0.20
24.60	0.06	25,982	201.63	0.20
24.70	0.06	25,931	201.62	0.20
24.80	0.05	25,877	201.62	0.20
24.90	0.04	25,821	201.62	0.20
25.00	0.04	25,763	201.61	0.20
25.10	0.03	25,704	201.61	0.20
25.20	0.03	25,643	201.61	0.20
25.30	0.03	25,581	201.60	0.20
25.40	0.02	25,519	201.60	0.20
25.50	0.02	25,455	201.59	0.20
25.60	0.02	25,391	201.59	0.20
25.70	0.02	25,326	201.59	0.20
25.80	0.02	25,260	201.58	0.20
25.90	0.01	25,194	201.58	0.20

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.01	25,127	201.57	0.20
26.10	0.01	25,060	201.57	0.20
26.20	0.01	24,993	201.57	0.20
26.30	0.01	24,926	201.56	0.20
26.40	0.01	24,858	201.56	0.20
26.50	0.01	24,790	201.55	0.20
26.60	0.01	24,722	201.55	0.20
26.70	0.01	24,653	201.55	0.20
26.80	0.01	24,585	201.54	0.20
26.90	0.00	24,517	201.54	0.20
27.00	0.00	24,448	201.53	0.19
27.10	0.00	24,379	201.53	0.19
27.20	0.00	24,311	201.52	0.19
27.30	0.00	24,242	201.52	0.19
27.40	0.00	24,174	201.52	0.19
27.50	0.00	24,105	201.51	0.19
27.60	0.00	24,036	201.51	0.19
27.70	0.00	23,968	201.50	0.19
27.80	0.00	23,900	201.50	0.19
27.90	0.00	23,831	201.50	0.19
28.00	0.00	23,763	201.49	0.19
28.10	0.00	23,694	201.49	0.19
28.20	0.00	23,626	201.48	0.19
28.30	0.00	23,558	201.48	0.19
28.40	0.00	23,490	201.47	0.19
28.50	0.00	23,422	201.47	0.19
28.60	0.00	23,354	201.47	0.19
28.70	0.00	23,286	201.46	0.19
28.80	0.00	23,218	201.46	0.19
28.90	0.00	23,150	201.45	0.19
29.00	0.00	23,082	201.45	0.19
29.10	0.00	23,015	201.45	0.19
29.20	0.00	22,947	201.44	0.19
29.30	0.00	22,880	201.44	0.19
29.40	0.00	22,813	201.43	0.19
29.50	0.00	22,745	201.43	0.19
29.60	0.00	22,678	201.43	0.19
29.70	0.00	22,611	201.42	0.19
29.80	0.00	22,544	201.42	0.19
29.90	0.00	22,477	201.41	0.19
30.00	0.00	22,410	201.41	0.19
30.10	0.00	22,344	201.41	0.19
30.20	0.00	22,277	201.40	0.19
30.30	0.00	22,210	201.40	0.19
30.40	0.00	22,144	201.39	0.18
30.50	0.00	22,078	201.39	0.18
30.60	0.00	22,011	201.38	0.18
30.70	0.00	21,945	201.38	0.18
30.80	0.00	21,879	201.38	0.18
30.90	0.00	21,813	201.37	0.18
31.00	0.00	21,747	201.37	0.18
31.10	0.00	21,682	201.36	0.18

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	21,616	201.36	0.18
31.30	0.00	21,551	201.36	0.18
31.40	0.00	21,485	201.35	0.18
31.50	0.00	21,420	201.35	0.18
31.60	0.00	21,355	201.34	0.18
31.70	0.00	21,289	201.34	0.18
31.80	0.00	21,224	201.34	0.18
31.90	0.00	21,160	201.33	0.18
32.00	0.00	21,095	201.33	0.18
32.10	0.00	21,030	201.32	0.18
32.20	0.00	20,965	201.32	0.18
32.30	0.00	20,901	201.32	0.18
32.40	0.00	20,836	201.31	0.18
32.50	0.00	20,772	201.31	0.18
32.60	0.00	20,708	201.30	0.18
32.70	0.00	20,644	201.30	0.18
32.80	0.00	20,580	201.30	0.18
32.90	0.00	20,516	201.29	0.18
33.00	0.00	20,452	201.29	0.18
33.10	0.00	20,389	201.29	0.18
33.20	0.00	20,325	201.28	0.18
33.30	0.00	20,262	201.28	0.18
33.40	0.00	20,198	201.27	0.18
33.50	0.00	20,135	201.27	0.18
33.60	0.00	20,072	201.27	0.18
33.70	0.00	20,009	201.26	0.18
33.80	0.00	19,946	201.26	0.17
33.90	0.00	19,883	201.25	0.17
34.00	0.00	19,820	201.25	0.17
34.10	0.00	19,758	201.25	0.17
34.20	0.00	19,695	201.24	0.17
34.30	0.00	19,633	201.24	0.17
34.40	0.00	19,570	201.23	0.17
34.50	0.00	19,508	201.23	0.17
34.60	0.00	19,446	201.23	0.17
34.70	0.00	19,384	201.22	0.17
34.80	0.00	19,322	201.22	0.17
34.90	0.00	19,261	201.22	0.17
35.00	0.00	19,199	201.21	0.17
35.10	0.00	19,137	201.21	0.17
35.20	0.00	19,076	201.20	0.17
35.30	0.00	19,015	201.20	0.17
35.40	0.00	18,953	201.20	0.17
35.50	0.00	18,892	201.19	0.17
35.60	0.00	18,831	201.19	0.17
35.70	0.00	18,770	201.19	0.17
35.80	0.00	18,709	201.18	0.17
35.90	0.00	18,649	201.18	0.17
36.00	0.00	18,588	201.17	0.17
36.10	0.00	18,528	201.17	0.17
36.20	0.00	18,467	201.17	0.17
36.30	0.00	18,407	201.16	0.17

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	18,347	201.16	0.17
36.50	0.00	18,287	201.16	0.17
36.60	0.00	18,227	201.15	0.17
36.70	0.00	18,167	201.15	0.17
36.80	0.00	18,107	201.14	0.17
36.90	0.00	18,048	201.14	0.17
37.00	0.00	17,988	201.14	0.17
37.10	0.00	17,929	201.13	0.16
37.20	0.00	17,869	201.13	0.16
37.30	0.00	17,810	201.13	0.16
37.40	0.00	17,751	201.12	0.16
37.50	0.00	17,692	201.12	0.16
37.60	0.00	17,633	201.12	0.16
37.70	0.00	17,575	201.11	0.16
37.80	0.00	17,516	201.11	0.16
37.90	0.00	17,457	201.10	0.16
38.00	0.00	17,399	201.10	0.16
38.10	0.00	17,341	201.10	0.16
38.20	0.00	17,282	201.09	0.16
38.30	0.00	17,224	201.09	0.16
38.40	0.00	17,166	201.09	0.16
38.50	0.00	17,108	201.08	0.16
38.60	0.00	17,050	201.08	0.16
38.70	0.00	16,993	201.08	0.16
38.80	0.00	16,935	201.07	0.16
38.90	0.00	16,878	201.07	0.16
39.00	0.00	16,820	201.07	0.16
39.10	0.00	16,763	201.06	0.16
39.20	0.00	16,706	201.06	0.16
39.30	0.00	16,649	201.05	0.16
39.40	0.00	16,592	201.05	0.16
39.50	0.00	16,535	201.05	0.16
39.60	0.00	16,478	201.04	0.16
39.70	0.00	16,422	201.04	0.16
39.80	0.00	16,365	201.04	0.16
39.90	0.00	16,309	201.03	0.16
40.00	0.00	16,253	201.03	0.16

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0	200.52	15,784	8,122
200.01	15,461	155	200.53	15,790	8,280
200.02	15,468	309	200.54	15,796	8,438
200.03	15,474	464	200.55	15,803	8,596
200.04	15,480	619	200.56	15,809	8,754
200.05	15,487	774	200.57	15,815	8,912
200.06	15,493	928	200.58	15,822	9,070
200.07	15,499	1,083	200.59	15,828	9,228
200.08	15,506	1,238	200.60	15,834	9,387
200.09	15,512	1,394	200.61	15,841	9,545
200.10	15,518	1,549	200.62	15,847	9,704
200.11	15,525	1,704	200.63	15,853	9,862
200.12	15,531	1,859	200.64	15,859	10,021
200.13	15,537	2,014	200.65	15,866	10,179
200.14	15,543	2,170	200.66	15,872	10,338
200.15	15,550	2,325	200.67	15,878	10,497
200.16	15,556	2,481	200.68	15,885	10,656
200.17	15,562	2,636	200.69	15,891	10,814
200.18	15,569	2,792	200.70	15,897	10,973
200.19	15,575	2,948	200.71	15,904	11,132
200.20	15,581	3,104	200.72	15,910	11,291
200.21	15,588	3,259	200.73	15,916	11,451
200.22	15,594	3,415	200.74	15,923	11,610
200.23	15,600	3,571	200.75	15,929	11,769
200.24	15,607	3,727	200.76	15,935	11,928
200.25	15,613	3,884	200.77	15,942	12,088
200.26	15,619	4,040	200.78	15,948	12,247
200.27	15,626	4,196	200.79	15,954	12,407
200.28	15,632	4,352	200.80	15,961	12,566
200.29	15,638	4,509	200.81	15,967	12,726
200.30	15,645	4,665	200.82	15,973	12,886
200.31	15,651	4,821	200.83	15,980	13,045
200.32	15,657	4,978	200.84	15,986	13,205
200.33	15,664	5,135	200.85	15,992	13,365
200.34	15,670	5,291	200.86	15,999	13,525
200.35	15,676	5,448	200.87	16,005	13,685
200.36	15,683	5,605	200.88	16,011	13,845
200.37	15,689	5,762	200.89	16,017	14,005
200.38	15,695	5,919	200.90	16,024	14,165
200.39	15,701	6,076	200.91	16,030	14,326
200.40	15,708	6,233	200.92	16,036	14,486
200.41	15,714	6,390	200.93	16,043	14,646
200.42	15,720	6,547	200.94	16,049	14,807
200.43	15,727	6,704	200.95	16,055	14,967
200.44	15,733	6,861	200.96	16,062	15,128
200.45	15,739	7,019	200.97	16,068	15,289
200.46	15,746	7,176	200.98	16,074	15,449
200.47	15,752	7,334	200.99	16,081	15,610
200.48	15,758	7,491	201.00	16,087	15,771
200.49	15,765	7,649	201.01	16,094	15,932
200.50	15,771	7,807	201.02	16,101	16,093
200.51	15,777	7,964	201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415	201.56	16,472	24,888
201.05	16,121	16,576	201.57	16,479	25,052
201.06	16,128	16,737	201.58	16,486	25,217
201.07	16,135	16,899	201.59	16,493	25,382
201.08	16,142	17,060	201.60	16,500	25,547
201.09	16,149	17,222	201.61	16,507	25,712
201.10	16,156	17,383	201.62	16,514	25,877
201.11	16,163	17,545	201.63	16,520	26,042
201.12	16,170	17,706	201.64	16,527	26,208
201.13	16,176	17,868	201.65	16,534	26,373
201.14	16,183	18,030	201.66	16,541	26,538
201.15	16,190	18,192	201.67	16,548	26,704
201.16	16,197	18,354	201.68	16,555	26,869
201.17	16,204	18,516	201.69	16,562	27,035
201.18	16,211	18,678	201.70	16,569	27,200
201.19	16,218	18,840	201.71	16,575	27,366
201.20	16,225	19,002	201.72	16,582	27,532
201.21	16,231	19,164	201.73	16,589	27,698
201.22	16,238	19,327	201.74	16,596	27,864
201.23	16,245	19,489	201.75	16,603	28,030
201.24	16,252	19,652	201.76	16,610	28,196
201.25	16,259	19,814	201.77	16,617	28,362
201.26	16,266	19,977	201.78	16,624	28,528
201.27	16,273	20,140	201.79	16,631	28,694
201.28	16,280	20,302	201.80	16,637	28,861
201.29	16,287	20,465	201.81	16,644	29,027
201.30	16,293	20,628	201.82	16,651	29,194
201.31	16,300	20,791	201.83	16,658	29,360
201.32	16,307	20,954	201.84	16,665	29,527
201.33	16,314	21,117	201.85	16,672	29,693
201.34	16,321	21,280	201.86	16,679	29,860
201.35	16,328	21,444	201.87	16,686	30,027
201.36	16,335	21,607	201.88	16,692	30,194
201.37	16,342	21,770	201.89	16,699	30,361
201.38	16,348	21,934	201.90	16,706	30,528
201.39	16,355	22,097	201.91	16,713	30,695
201.40	16,362	22,261	201.92	16,720	30,862
201.41	16,369	22,424	201.93	16,727	31,029
201.42	16,376	22,588	201.94	16,734	31,197
201.43	16,383	22,752	201.95	16,741	31,364
201.44	16,390	22,916	201.96	16,747	31,532
201.45	16,397	23,080	201.97	16,754	31,699
201.46	16,403	23,244	201.98	16,761	31,867
201.47	16,410	23,408	201.99	16,768	32,034
201.48	16,417	23,572	202.00	16,775	32,202
201.49	16,424	23,736	202.01	16,782	32,370
201.50	16,431	23,901	202.02	16,789	32,538
201.51	16,438	24,065	202.03	16,796	32,706
201.52	16,445	24,229	202.04	16,803	32,874
201.53	16,452	24,394	202.05	16,810	33,042
201.54	16,459	24,558	202.06	16,817	33,210
201.55	16,465	24,723	202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427
203.13	17,562	51,602
203.14	17,569	51,778
203.15	17,576	51,953
203.16	17,583	52,129
203.17	17,589	52,305
203.18	17,596	52,481
203.19	17,603	52,657
203.20	17,610	52,833
203.21	17,617	53,009
203.22	17,624	53,185
203.23	17,631	53,362
203.24	17,638	53,538
203.25	17,645	53,715
203.26	17,652	53,891
203.27	17,659	54,068
203.28	17,666	54,244
203.29	17,673	54,421
203.30	17,680	54,598
203.31	17,687	54,775
203.32	17,694	54,951
203.33	17,701	55,128
203.34	17,708	55,305
203.35	17,715	55,483
203.36	17,722	55,660
203.37	17,729	55,837
203.38	17,736	56,014
203.39	17,743	56,192
203.40	17,750	56,369
203.41	17,757	56,547
203.42	17,764	56,724
203.43	17,771	56,902
203.44	17,778	57,080
203.45	17,785	57,258
203.46	17,792	57,435
203.47	17,799	57,613
203.48	17,806	57,791
203.49	17,813	57,969
203.50	17,820	58,148
203.51	17,826	58,326
203.52	17,833	58,504
203.53	17,840	58,683
203.54	17,847	58,861
203.55	17,854	59,039
203.56	17,861	59,218
203.57	17,868	59,397
203.58	17,875	59,575
203.59	17,882	59,754
203.60	17,889	59,933
203.61	17,896	60,112
203.62	17,903	60,291
203.63	17,910	60,470
203.64	17,917	60,649
203.65	17,924	60,828
203.66	17,931	61,008
203.67	17,938	61,187
203.68	17,945	61,366
203.69	17,952	61,546
203.70	17,959	61,725
203.71	17,966	61,905
203.72	17,973	62,085
203.73	17,980	62,265
203.74	17,987	62,444
203.75	17,994	62,624
203.76	18,001	62,804
203.77	18,008	62,984
203.78	18,015	63,164
203.79	18,022	63,345
203.80	18,029	63,525
203.81	18,036	63,705
203.82	18,043	63,886
203.83	18,050	64,066
203.84	18,056	64,247
203.85	18,063	64,427
203.86	18,070	64,608
203.87	18,077	64,789
203.88	18,084	64,969
203.89	18,091	65,150
203.90	18,098	65,331
203.91	18,105	65,512
203.92	18,112	65,693
203.93	18,119	65,874
203.94	18,126	66,056
203.95	18,133	66,237
203.96	18,140	66,418
203.97	18,147	66,600
203.98	18,154	66,781
203.99	18,161	66,963
204.00	18,168	67,145
204.01	18,178	67,326
204.02	18,188	67,508
204.03	18,197	67,690
204.04	18,207	67,872
204.05	18,217	68,054
204.06	18,227	68,236
204.07	18,236	68,419
204.08	18,246	68,601
204.09	18,256	68,784
204.10	18,266	68,966
204.11	18,275	69,149
204.12	18,285	69,332
204.13	18,295	69,515
204.14	18,305	69,698
204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064	204.68	18,832	79,725
204.17	18,334	70,247	204.69	18,842	79,913
204.18	18,344	70,431	204.70	18,852	80,101
204.19	18,354	70,614	204.71	18,862	80,290
204.20	18,363	70,798	204.72	18,871	80,479
204.21	18,373	70,981	204.73	18,881	80,667
204.22	18,383	71,165	204.74	18,891	80,856
204.23	18,393	71,349	204.75	18,901	81,045
204.24	18,402	71,533	204.76	18,911	81,234
204.25	18,412	71,717	204.77	18,920	81,423
204.26	18,422	71,901	204.78	18,930	81,613
204.27	18,432	72,085	204.79	18,940	81,802
204.28	18,442	72,270	204.80	18,950	81,992
204.29	18,451	72,454	204.81	18,959	82,181
204.30	18,461	72,639	204.82	18,969	82,371
204.31	18,471	72,824	204.83	18,979	82,560
204.32	18,481	73,008	204.84	18,989	82,750
204.33	18,490	73,193	204.85	18,998	82,940
204.34	18,500	73,378	204.86	19,008	83,130
204.35	18,510	73,563	204.87	19,018	83,320
204.36	18,520	73,748	204.88	19,028	83,511
204.37	18,529	73,934	204.89	19,038	83,701
204.38	18,539	74,119	204.90	19,047	83,891
204.39	18,549	74,304	204.91	19,057	84,082
204.40	18,559	74,490	204.92	19,067	84,273
204.41	18,569	74,675	204.93	19,077	84,463
204.42	18,578	74,861	204.94	19,086	84,654
204.43	18,588	75,047	204.95	19,096	84,845
204.44	18,598	75,233	204.96	19,106	85,036
204.45	18,608	75,419	204.97	19,116	85,227
204.46	18,617	75,605	204.98	19,125	85,418
204.47	18,627	75,791	204.99	19,135	85,610
204.48	18,637	75,978	205.00	19,145	85,801
204.49	18,647	76,164	205.01	19,155	85,992
204.50	18,657	76,351	205.02	19,164	86,184
204.51	18,666	76,537	205.03	19,174	86,376
204.52	18,676	76,724	205.04	19,183	86,568
204.53	18,686	76,911	205.05	19,193	86,759
204.54	18,696	77,098	205.06	19,202	86,951
204.55	18,705	77,285	205.07	19,212	87,143
204.56	18,715	77,472	205.08	19,222	87,336
204.57	18,725	77,659	205.09	19,231	87,528
204.58	18,735	77,846	205.10	19,241	87,720
204.59	18,744	78,034	205.11	19,250	87,913
204.60	18,754	78,221	205.12	19,260	88,105
204.61	18,764	78,409	205.13	19,270	88,298
204.62	18,774	78,596	205.14	19,279	88,491
204.63	18,784	78,784	205.15	19,289	88,684
204.64	18,793	78,972	205.16	19,298	88,876
204.65	18,803	79,160	205.17	19,308	89,069
204.66	18,813	79,348	205.18	19,317	89,263
204.67	18,823	79,536	205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 2.73" for Future 2 yr event
Inflow = 4.28 cfs @ 12.08 hrs, Volume= 0.271 af
Outflow = 0.15 cfs @ 14.49 hrs, Volume= 0.198 af, Atten= 97%, Lag= 144.9 min
Primary = 0.15 cfs @ 14.49 hrs, Volume= 0.198 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.39' @ 14.49 hrs Surf.Area= 6,337 sf Storage= 8,169 cf

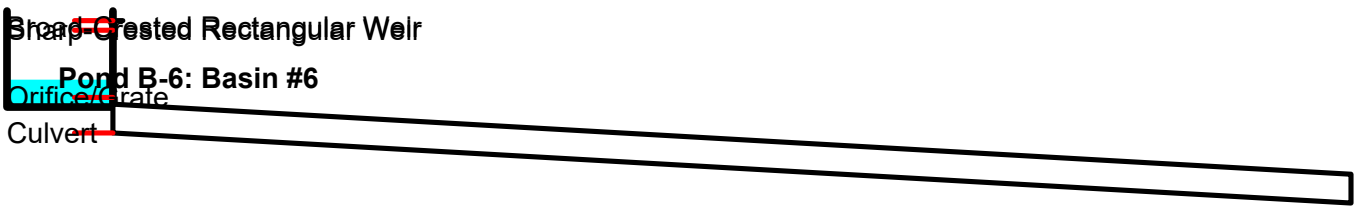
Plug-Flow detention time= 615.6 min calculated for 0.197 af (73% of inflow)
Center-of-Mass det. time= 520.9 min (1,293.7 - 772.8)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

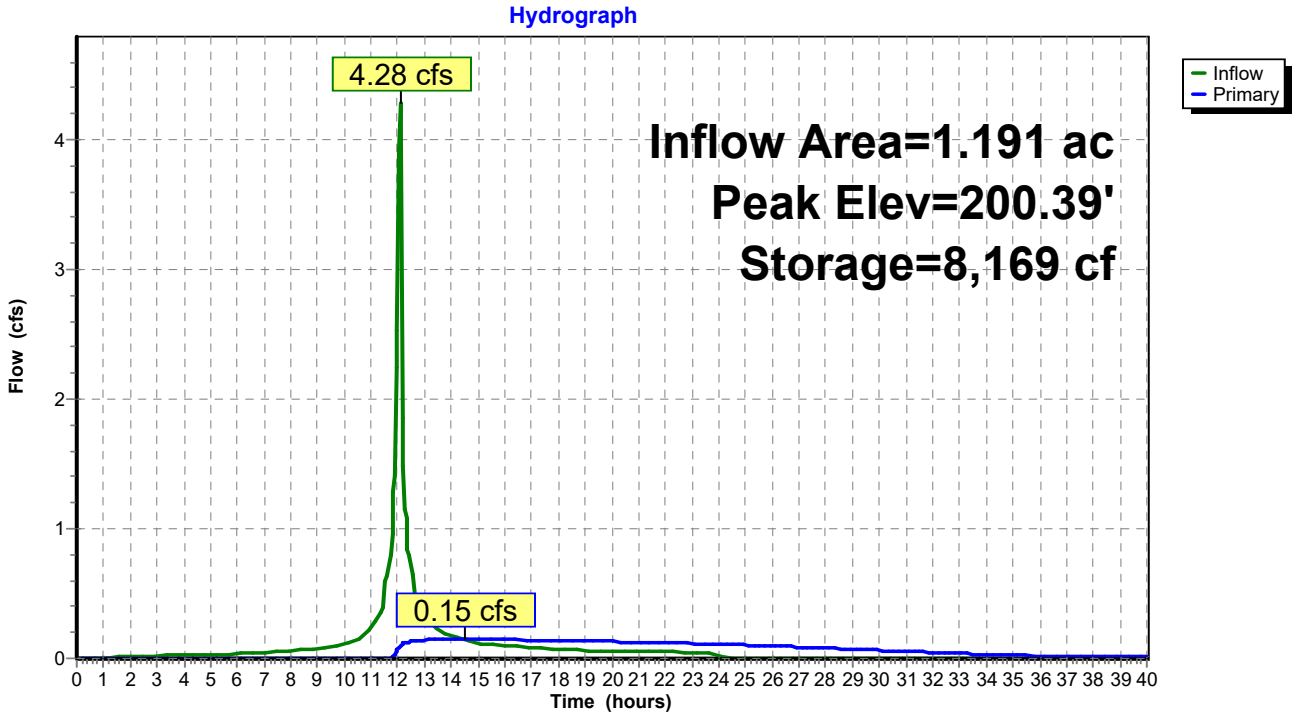
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 14.49 hrs HW=200.39' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 8.71 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.28 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	0	199.00	0.00
1.00	0.00	0	199.00	0.00
1.10	0.00	0	199.00	0.00
1.20	0.00	1	199.00	0.00
1.30	0.00	2	199.00	0.00
1.40	0.00	4	199.00	0.00
1.50	0.01	5	199.00	0.00
1.60	0.01	8	199.00	0.00
1.70	0.01	10	199.00	0.00
1.80	0.01	13	199.00	0.00
1.90	0.01	17	199.00	0.00
2.00	0.01	20	199.00	0.00
2.10	0.01	24	199.00	0.00
2.20	0.01	29	199.01	0.00
2.30	0.01	33	199.01	0.00
2.40	0.01	38	199.01	0.00
2.50	0.01	44	199.01	0.00
2.60	0.02	49	199.01	0.00
2.70	0.02	55	199.01	0.00
2.80	0.02	61	199.01	0.00
2.90	0.02	68	199.01	0.00
3.00	0.02	74	199.01	0.00
3.10	0.02	81	199.01	0.00
3.20	0.02	88	199.02	0.00
3.30	0.02	96	199.02	0.00
3.40	0.02	103	199.02	0.00
3.50	0.02	111	199.02	0.00
3.60	0.02	119	199.02	0.00
3.70	0.02	127	199.02	0.00
3.80	0.02	136	199.03	0.00
3.90	0.02	145	199.03	0.00
4.00	0.03	154	199.03	0.00
4.10	0.03	163	199.03	0.00
4.20	0.03	172	199.03	0.00
4.30	0.03	182	199.03	0.00
4.40	0.03	191	199.04	0.00
4.50	0.03	201	199.04	0.00
4.60	0.03	212	199.04	0.00
4.70	0.03	222	199.04	0.00
4.80	0.03	232	199.04	0.00
4.90	0.03	243	199.04	0.00
5.00	0.03	254	199.05	0.00
5.10	0.03	265	199.05	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	276	199.05	0.00
5.30	0.03	288	199.05	0.00
5.40	0.03	299	199.06	0.00
5.50	0.03	311	199.06	0.00
5.60	0.03	323	199.06	0.00
5.70	0.03	335	199.06	0.00
5.80	0.03	347	199.06	0.00
5.90	0.03	360	199.07	0.00
6.00	0.04	372	199.07	0.00
6.10	0.04	385	199.07	0.00
6.20	0.04	398	199.07	0.00
6.30	0.04	412	199.08	0.00
6.40	0.04	426	199.08	0.00
6.50	0.04	441	199.08	0.00
6.60	0.04	456	199.08	0.00
6.70	0.04	471	199.09	0.00
6.80	0.04	487	199.09	0.00
6.90	0.05	503	199.09	0.00
7.00	0.05	519	199.10	0.00
7.10	0.05	536	199.10	0.00
7.20	0.05	554	199.10	0.00
7.30	0.05	571	199.11	0.00
7.40	0.05	589	199.11	0.00
7.50	0.05	608	199.11	0.00
7.60	0.05	627	199.12	0.00
7.70	0.05	646	199.12	0.00
7.80	0.06	666	199.12	0.00
7.90	0.06	687	199.13	0.00
8.00	0.06	707	199.13	0.00
8.10	0.06	728	199.13	0.00
8.20	0.06	750	199.14	0.00
8.30	0.06	772	199.14	0.00
8.40	0.06	794	199.15	0.00
8.50	0.06	817	199.15	0.00
8.60	0.06	840	199.15	0.00
8.70	0.07	864	199.16	0.00
8.80	0.07	888	199.16	0.00
8.90	0.07	912	199.17	0.00
9.00	0.07	937	199.17	0.00
9.10	0.07	963	199.18	0.00
9.20	0.08	991	199.18	0.00
9.30	0.08	1,020	199.19	0.00
9.40	0.09	1,050	199.19	0.00
9.50	0.09	1,082	199.20	0.00
9.60	0.09	1,115	199.20	0.00
9.70	0.10	1,149	199.21	0.00
9.80	0.10	1,185	199.22	0.00
9.90	0.11	1,223	199.22	0.00
10.00	0.11	1,262	199.23	0.00
10.10	0.11	1,302	199.24	0.00
10.20	0.12	1,345	199.25	0.00
10.30	0.12	1,389	199.25	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,435	199.26	0.00
10.50	0.14	1,482	199.27	0.00
10.60	0.15	1,535	199.28	0.00
10.70	0.17	1,594	199.29	0.00
10.80	0.19	1,659	199.30	0.00
10.90	0.21	1,730	199.31	0.00
11.00	0.23	1,809	199.33	0.00
11.10	0.26	1,897	199.34	0.00
11.20	0.29	1,998	199.36	0.00
11.30	0.33	2,112	199.38	0.00
11.40	0.37	2,239	199.41	0.00
11.50	0.41	2,378	199.43	0.00
11.60	0.62	2,577	199.46	0.00
11.70	0.69	2,813	199.51	0.00
11.80	0.96	3,122	199.56	0.01
11.90	1.41	3,559	199.64	0.03
12.00	2.53	4,300	199.76	0.07
12.10	**4.05**	5,569	199.97	0.10
12.20	1.48	6,360	200.10	0.12
12.30	1.08	6,754	200.17	0.12
12.40	0.81	7,030	200.21	0.13
12.50	0.75	7,264	200.25	0.13
12.60	0.50	7,425	200.28	0.13
12.70	0.47	7,548	200.30	0.14
12.80	0.43	7,658	200.31	0.14
12.90	0.39	7,752	200.33	0.14
13.00	0.35	7,832	200.34	0.14
13.10	0.31	7,896	200.35	0.14
13.20	0.29	7,951	200.36	0.14
13.30	0.26	7,997	200.37	0.14
13.40	0.24	8,034	200.37	0.14
13.50	0.22	8,064	200.38	0.14
13.60	0.20	8,086	200.38	0.14
13.70	0.19	8,104	200.38	0.14
13.80	0.19	8,119	200.39	0.15
13.90	0.18	8,133	200.39	0.15
14.00	0.17	8,144	200.39	0.15
14.10	0.17	8,153	200.39	0.15
14.20	0.16	8,161	200.39	0.15
14.30	0.16	8,166	200.39	0.15
14.40	0.15	8,169	200.39	0.15
14.50	0.15	**8,169**	**200.39**	**0.15**
14.60	0.14	8,168	200.39	0.15
14.70	0.13	8,165	200.39	0.15
14.80	0.13	8,159	200.39	0.15
14.90	0.12	8,152	200.39	0.15
15.00	0.12	8,142	200.39	0.15
15.10	0.11	8,131	200.39	0.15
15.20	0.11	8,118	200.39	0.15
15.30	0.11	8,105	200.38	0.14
15.40	0.11	8,092	200.38	0.14
15.50	0.11	8,078	200.38	0.14

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	8,063	200.38	0.14
15.70	0.10	8,048	200.38	0.14
15.80	0.10	8,033	200.37	0.14
15.90	0.10	8,017	200.37	0.14
16.00	0.10	8,000	200.37	0.14
16.10	0.10	7,984	200.37	0.14
16.20	0.09	7,966	200.36	0.14
16.30	0.09	7,949	200.36	0.14
16.40	0.09	7,930	200.36	0.14
16.50	0.09	7,912	200.35	0.14
16.60	0.09	7,893	200.35	0.14
16.70	0.09	7,873	200.35	0.14
16.80	0.08	7,853	200.34	0.14
16.90	0.08	7,832	200.34	0.14
17.00	0.08	7,811	200.34	0.14
17.10	0.08	7,790	200.33	0.14
17.20	0.08	7,768	200.33	0.14
17.30	0.08	7,746	200.33	0.14
17.40	0.08	7,723	200.32	0.14
17.50	0.07	7,700	200.32	0.14
17.60	0.07	7,677	200.32	0.14
17.70	0.07	7,653	200.31	0.14
17.80	0.07	7,628	200.31	0.14
17.90	0.07	7,603	200.30	0.14
18.00	0.07	7,578	200.30	0.14
18.10	0.06	7,552	200.30	0.14
18.20	0.06	7,526	200.29	0.14
18.30	0.06	7,500	200.29	0.14
18.40	0.06	7,475	200.28	0.14
18.50	0.06	7,449	200.28	0.13
18.60	0.06	7,423	200.28	0.13
18.70	0.06	7,397	200.27	0.13
18.80	0.06	7,371	200.27	0.13
18.90	0.06	7,346	200.26	0.13
19.00	0.06	7,320	200.26	0.13
19.10	0.06	7,294	200.26	0.13
19.20	0.06	7,268	200.25	0.13
19.30	0.06	7,243	200.25	0.13
19.40	0.06	7,217	200.24	0.13
19.50	0.06	7,191	200.24	0.13
19.60	0.06	7,165	200.23	0.13
19.70	0.06	7,140	200.23	0.13
19.80	0.06	7,114	200.23	0.13
19.90	0.06	7,089	200.22	0.13
20.00	0.06	7,063	200.22	0.13
20.10	0.06	7,037	200.21	0.13
20.20	0.06	7,012	200.21	0.13
20.30	0.06	6,986	200.21	0.13
20.40	0.06	6,961	200.20	0.13
20.50	0.06	6,935	200.20	0.13
20.60	0.06	6,910	200.19	0.13
20.70	0.05	6,884	200.19	0.13

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	6,859	200.19	0.13
20.90	0.05	6,833	200.18	0.12
21.00	0.05	6,808	200.18	0.12
21.10	0.05	6,782	200.17	0.12
21.20	0.05	6,757	200.17	0.12
21.30	0.05	6,731	200.16	0.12
21.40	0.05	6,706	200.16	0.12
21.50	0.05	6,681	200.16	0.12
21.60	0.05	6,655	200.15	0.12
21.70	0.05	6,630	200.15	0.12
21.80	0.05	6,605	200.14	0.12
21.90	0.05	6,579	200.14	0.12
22.00	0.05	6,554	200.14	0.12
22.10	0.05	6,529	200.13	0.12
22.20	0.05	6,504	200.13	0.12
22.30	0.05	6,479	200.12	0.12
22.40	0.05	6,454	200.12	0.12
22.50	0.05	6,428	200.12	0.12
22.60	0.05	6,403	200.11	0.12
22.70	0.05	6,378	200.11	0.12
22.80	0.05	6,353	200.10	0.12
22.90	0.05	6,328	200.10	0.12
23.00	0.05	6,303	200.09	0.11
23.10	0.05	6,278	200.09	0.11
23.20	0.04	6,253	200.09	0.11
23.30	0.04	6,228	200.08	0.11
23.40	0.04	6,204	200.08	0.11
23.50	0.04	6,179	200.07	0.11
23.60	0.04	6,154	200.07	0.11
23.70	0.04	6,129	200.07	0.11
23.80	0.04	6,105	200.06	0.11
23.90	0.04	6,080	200.06	0.11
24.00	0.05	6,058	200.05	0.11
24.10	0.00	6,024	200.05	0.11
24.20	0.00	5,984	200.04	0.11
24.30	0.00	5,945	200.04	0.11
24.40	0.00	5,907	200.03	0.11
24.50	0.00	5,868	200.02	0.11
24.60	0.00	5,830	200.02	0.11
24.70	0.00	5,792	200.01	0.10
24.80	0.00	5,755	200.00	0.10
24.90	0.00	5,718	200.00	0.10
25.00	0.00	5,681	199.99	0.10
25.10	0.00	5,644	199.99	0.10
25.20	0.00	5,607	199.98	0.10
25.30	0.00	5,571	199.97	0.10
25.40	0.00	5,536	199.97	0.10
25.50	0.00	5,500	199.96	0.10
25.60	0.00	5,465	199.96	0.10
25.70	0.00	5,430	199.95	0.10
25.80	0.00	5,395	199.95	0.10
25.90	0.00	5,361	199.94	0.10

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,327	199.93	0.09
26.10	0.00	5,293	199.93	0.09
26.20	0.00	5,260	199.92	0.09
26.30	0.00	5,226	199.92	0.09
26.40	0.00	5,193	199.91	0.09
26.50	0.00	5,161	199.91	0.09
26.60	0.00	5,129	199.90	0.09
26.70	0.00	5,096	199.90	0.09
26.80	0.00	5,065	199.89	0.09
26.90	0.00	5,033	199.89	0.09
27.00	0.00	5,002	199.88	0.09
27.10	0.00	4,971	199.87	0.09
27.20	0.00	4,941	199.87	0.08
27.30	0.00	4,910	199.86	0.08
27.40	0.00	4,880	199.86	0.08
27.50	0.00	4,851	199.85	0.08
27.60	0.00	4,821	199.85	0.08
27.70	0.00	4,792	199.84	0.08
27.80	0.00	4,763	199.84	0.08
27.90	0.00	4,735	199.84	0.08
28.00	0.00	4,707	199.83	0.08
28.10	0.00	4,679	199.83	0.08
28.20	0.00	4,651	199.82	0.08
28.30	0.00	4,624	199.82	0.08
28.40	0.00	4,597	199.81	0.07
28.50	0.00	4,570	199.81	0.07
28.60	0.00	4,544	199.80	0.07
28.70	0.00	4,517	199.80	0.07
28.80	0.00	4,491	199.79	0.07
28.90	0.00	4,466	199.79	0.07
29.00	0.00	4,441	199.79	0.07
29.10	0.00	4,416	199.78	0.07
29.20	0.00	4,391	199.78	0.07
29.30	0.00	4,367	199.77	0.07
29.40	0.00	4,343	199.77	0.07
29.50	0.00	4,319	199.76	0.07
29.60	0.00	4,295	199.76	0.06
29.70	0.00	4,272	199.76	0.06
29.80	0.00	4,249	199.75	0.06
29.90	0.00	4,226	199.75	0.06
30.00	0.00	4,204	199.75	0.06
30.10	0.00	4,182	199.74	0.06
30.20	0.00	4,160	199.74	0.06
30.30	0.00	4,139	199.73	0.06
30.40	0.00	4,118	199.73	0.06
30.50	0.00	4,097	199.73	0.06
30.60	0.00	4,076	199.72	0.06
30.70	0.00	4,056	199.72	0.06
30.80	0.00	4,036	199.72	0.06
30.90	0.00	4,016	199.71	0.05
31.00	0.00	3,997	199.71	0.05
31.10	0.00	3,978	199.71	0.05

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,959	199.70	0.05
31.30	0.00	3,940	199.70	0.05
31.40	0.00	3,922	199.70	0.05
31.50	0.00	3,904	199.69	0.05
31.60	0.00	3,887	199.69	0.05
31.70	0.00	3,869	199.69	0.05
31.80	0.00	3,852	199.69	0.05
31.90	0.00	3,836	199.68	0.05
32.00	0.00	3,820	199.68	0.04
32.10	0.00	3,804	199.68	0.04
32.20	0.00	3,788	199.67	0.04
32.30	0.00	3,773	199.67	0.04
32.40	0.00	3,758	199.67	0.04
32.50	0.00	3,743	199.67	0.04
32.60	0.00	3,729	199.66	0.04
32.70	0.00	3,715	199.66	0.04
32.80	0.00	3,701	199.66	0.04
32.90	0.00	3,688	199.66	0.04
33.00	0.00	3,675	199.66	0.04
33.10	0.00	3,662	199.65	0.04
33.20	0.00	3,649	199.65	0.03
33.30	0.00	3,636	199.65	0.03
33.40	0.00	3,624	199.65	0.03
33.50	0.00	3,612	199.64	0.03
33.60	0.00	3,601	199.64	0.03
33.70	0.00	3,589	199.64	0.03
33.80	0.00	3,578	199.64	0.03
33.90	0.00	3,567	199.64	0.03
34.00	0.00	3,556	199.63	0.03
34.10	0.00	3,546	199.63	0.03
34.20	0.00	3,536	199.63	0.03
34.30	0.00	3,526	199.63	0.03
34.40	0.00	3,516	199.63	0.03
34.50	0.00	3,506	199.63	0.03
34.60	0.00	3,497	199.62	0.03
34.70	0.00	3,488	199.62	0.03
34.80	0.00	3,479	199.62	0.02
34.90	0.00	3,470	199.62	0.02
35.00	0.00	3,461	199.62	0.02
35.10	0.00	3,453	199.62	0.02
35.20	0.00	3,444	199.62	0.02
35.30	0.00	3,436	199.61	0.02
35.40	0.00	3,428	199.61	0.02
35.50	0.00	3,421	199.61	0.02
35.60	0.00	3,413	199.61	0.02
35.70	0.00	3,406	199.61	0.02
35.80	0.00	3,398	199.61	0.02
35.90	0.00	3,391	199.61	0.02
36.00	0.00	3,384	199.61	0.02
36.10	0.00	3,377	199.60	0.02
36.20	0.00	3,371	199.60	0.02
36.30	0.00	3,364	199.60	0.02

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,358	199.60	0.02
36.50	0.00	3,351	199.60	0.02
36.60	0.00	3,345	199.60	0.02
36.70	0.00	3,339	199.60	0.02
36.80	0.00	3,333	199.60	0.02
36.90	0.00	3,327	199.60	0.02
37.00	0.00	3,321	199.59	0.02
37.10	0.00	3,316	199.59	0.02
37.20	0.00	3,310	199.59	0.02
37.30	0.00	3,305	199.59	0.02
37.40	0.00	3,299	199.59	0.02
37.50	0.00	3,294	199.59	0.01
37.60	0.00	3,288	199.59	0.01
37.70	0.00	3,283	199.59	0.01
37.80	0.00	3,278	199.59	0.01
37.90	0.00	3,273	199.59	0.01
38.00	0.00	3,268	199.59	0.01
38.10	0.00	3,263	199.58	0.01
38.20	0.00	3,258	199.58	0.01
38.30	0.00	3,254	199.58	0.01
38.40	0.00	3,249	199.58	0.01
38.50	0.00	3,245	199.58	0.01
38.60	0.00	3,240	199.58	0.01
38.70	0.00	3,236	199.58	0.01
38.80	0.00	3,231	199.58	0.01
38.90	0.00	3,227	199.58	0.01
39.00	0.00	3,223	199.58	0.01
39.10	0.00	3,219	199.58	0.01
39.20	0.00	3,214	199.58	0.01
39.30	0.00	3,210	199.58	0.01
39.40	0.00	3,206	199.57	0.01
39.50	0.00	3,202	199.57	0.01
39.60	0.00	3,199	199.57	0.01
39.70	0.00	3,195	199.57	0.01
39.80	0.00	3,191	199.57	0.01
39.90	0.00	3,187	199.57	0.01
40.00	0.00	3,184	199.57	0.01

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678	201.60	7,198	16,323
201.09	6,827	12,746	201.61	7,206	16,395
201.10	6,834	12,815	201.62	7,213	16,467
201.11	6,841	12,883	201.63	7,220	16,539
201.12	6,848	12,952	201.64	7,228	16,611
201.13	6,856	13,020	201.65	7,235	16,684
201.14	6,863	13,089	201.66	7,242	16,756
201.15	6,870	13,157	201.67	7,249	16,828
201.16	6,878	13,226	201.68	7,257	16,901
201.17	6,885	13,295	201.69	7,264	16,974
201.18	6,892	13,364	201.70	7,271	17,046
201.19	6,900	13,433	201.71	7,279	17,119
201.20	6,907	13,502	201.72	7,286	17,192
201.21	6,914	13,571	201.73	7,293	17,265
201.22	6,921	13,640	201.74	7,300	17,338
201.23	6,929	13,709	201.75	7,308	17,411
201.24	6,936	13,779	201.76	7,315	17,484
201.25	6,943	13,848	201.77	7,322	17,557
201.26	6,951	13,918	201.78	7,330	17,630
201.27	6,958	13,987	201.79	7,337	17,704
201.28	6,965	14,057	201.80	7,344	17,777
201.29	6,972	14,126	201.81	7,351	17,851
201.30	6,980	14,196	201.82	7,359	17,924
201.31	6,987	14,266	201.83	7,366	17,998
201.32	6,994	14,336	201.84	7,373	18,071
201.33	7,002	14,406	201.85	7,381	18,145
201.34	7,009	14,476	201.86	7,388	18,219
201.35	7,016	14,546	201.87	7,395	18,293
201.36	7,023	14,616	201.88	7,403	18,367
201.37	7,031	14,686	201.89	7,410	18,441
201.38	7,038	14,757	201.90	7,417	18,515
201.39	7,045	14,827	201.91	7,424	18,589
201.40	7,053	14,898	201.92	7,432	18,664
201.41	7,060	14,968	201.93	7,439	18,738
201.42	7,067	15,039	201.94	7,446	18,812
201.43	7,074	15,110	201.95	7,454	18,887
201.44	7,082	15,180	201.96	7,461	18,961
201.45	7,089	15,251	201.97	7,468	19,036
201.46	7,096	15,322	201.98	7,475	19,111
201.47	7,104	15,393	201.99	7,483	19,186
201.48	7,111	15,464	202.00	7,490	19,261
201.49	7,118	15,535	202.01	7,498	19,335
201.50	7,126	15,607	202.02	7,505	19,410
201.51	7,133	15,678	202.03	7,513	19,486
201.52	7,140	15,749	202.04	7,520	19,561
201.53	7,147	15,821	202.05	7,528	19,636
201.54	7,155	15,892	202.06	7,535	19,711
201.55	7,162	15,964	202.07	7,543	19,787
201.56	7,169	16,035	202.08	7,551	19,862
201.57	7,177	16,107	202.09	7,558	19,938
201.58	7,184	16,179	202.10	7,566	20,013
201.59	7,191	16,251	202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 2.82" for Future 2 yr event
Inflow = 5.68 cfs @ 12.06 hrs, Volume= 0.368 af
Outflow = 0.14 cfs @ 15.41 hrs, Volume= 0.245 af, Atten= 98%, Lag= 200.7 min
Primary = 0.14 cfs @ 15.41 hrs, Volume= 0.245 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 208.29' @ 15.41 hrs Surf.Area= 9,489 sf Storage= 11,755 cf

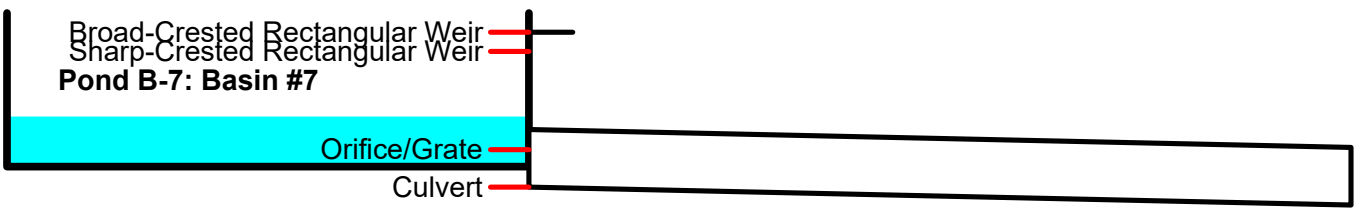
Plug-Flow detention time= 756.9 min calculated for 0.245 af (66% of inflow)
Center-of-Mass det. time= 651.7 min (1,420.5 - 768.9)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

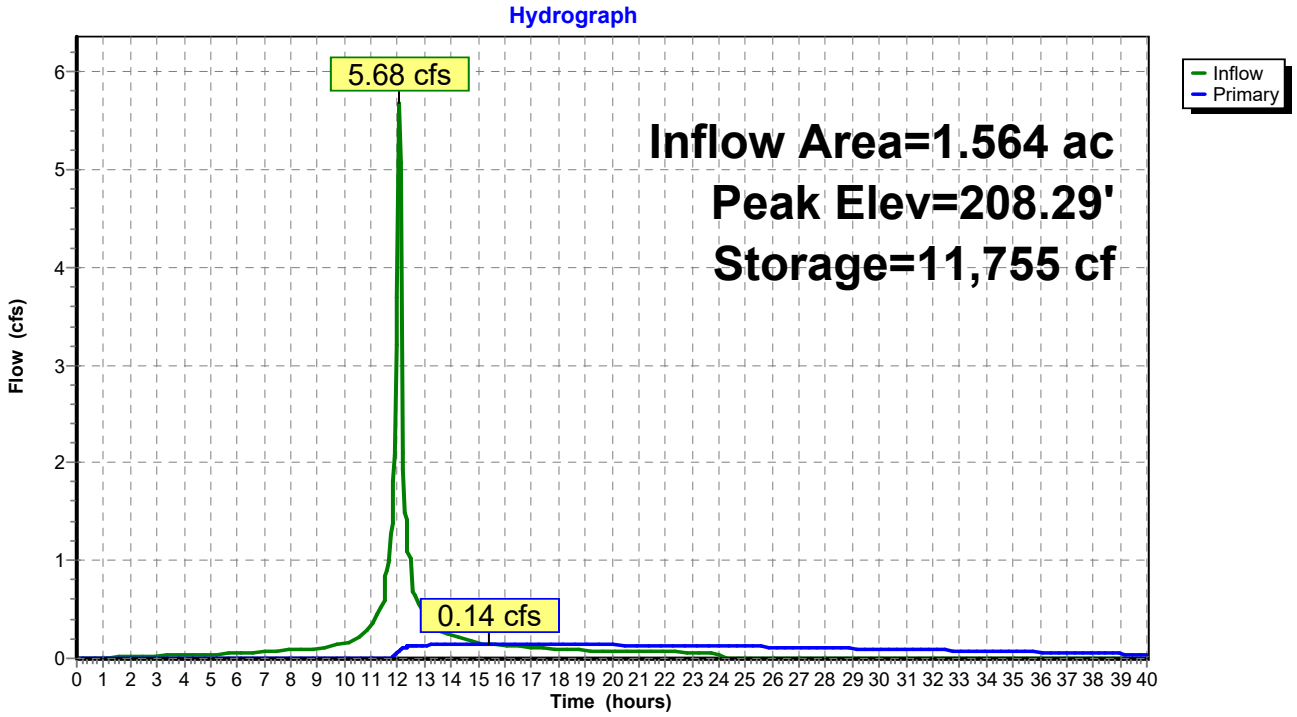
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.14 cfs @ 15.41 hrs HW=208.29' (Free Discharge)
- **1=Culvert** (Passes 0.14 cfs of 7.70 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.14 cfs @ 4.17 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	0.00
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.00	0	207.00	0.00
0.50	0.00	0	207.00	0.00
0.60	0.00	0	207.00	0.00
0.70	0.00	0	207.00	0.00
0.80	0.00	0	207.00	0.00
0.90	0.00	0	207.00	0.00
1.00	0.00	0	207.00	0.00
1.10	0.00	0	207.00	0.00
1.20	0.00	1	207.00	0.00
1.30	0.01	3	207.00	0.00
1.40	0.01	5	207.00	0.00
1.50	0.01	8	207.00	0.00
1.60	0.01	11	207.00	0.00
1.70	0.01	15	207.00	0.00
1.80	0.01	19	207.00	0.00
1.90	0.01	24	207.00	0.00
2.00	0.02	30	207.00	0.00
2.10	0.02	35	207.00	0.00
2.20	0.02	41	207.00	0.00
2.30	0.02	48	207.01	0.00
2.40	0.02	55	207.01	0.00
2.50	0.02	63	207.01	0.00
2.60	0.02	71	207.01	0.00
2.70	0.02	79	207.01	0.00
2.80	0.02	88	207.01	0.00
2.90	0.03	97	207.01	0.00
3.00	0.03	106	207.01	0.00
3.10	0.03	116	207.01	0.00
3.20	0.03	126	207.01	0.00
3.30	0.03	136	207.02	0.00
3.40	0.03	147	207.02	0.00
3.50	0.03	158	207.02	0.00
3.60	0.03	170	207.02	0.00
3.70	0.03	182	207.02	0.00
3.80	0.03	194	207.02	0.00
3.90	0.03	206	207.02	0.00
4.00	0.04	219	207.03	0.00
4.10	0.04	232	207.03	0.00
4.20	0.04	245	207.03	0.00
4.30	0.04	259	207.03	0.00
4.40	0.04	273	207.03	0.00
4.50	0.04	287	207.03	0.00
4.60	0.04	301	207.03	0.00
4.70	0.04	316	207.04	0.00
4.80	0.04	331	207.04	0.00
4.90	0.04	346	207.04	0.00
5.00	0.04	361	207.04	0.00
5.10	0.04	377	207.04	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	393	207.05	0.00
5.30	0.05	409	207.05	0.00
5.40	0.05	426	207.05	0.00
5.50	0.05	442	207.05	0.00
5.60	0.05	459	207.05	0.00
5.70	0.05	476	207.05	0.00
5.80	0.05	494	207.06	0.00
5.90	0.05	511	207.06	0.00
6.00	0.05	529	207.06	0.00
6.10	0.05	547	207.06	0.00
6.20	0.05	566	207.06	0.00
6.30	0.05	586	207.07	0.00
6.40	0.06	606	207.07	0.00
6.50	0.06	626	207.07	0.00
6.60	0.06	648	207.07	0.00
6.70	0.06	669	207.08	0.00
6.80	0.06	692	207.08	0.00
6.90	0.06	714	207.08	0.00
7.00	0.07	738	207.08	0.00
7.10	0.07	762	207.09	0.00
7.20	0.07	787	207.09	0.00
7.30	0.07	812	207.09	0.00
7.40	0.07	838	207.10	0.00
7.50	0.07	864	207.10	0.00
7.60	0.08	891	207.10	0.00
7.70	0.08	919	207.11	0.00
7.80	0.08	947	207.11	0.00
7.90	0.08	976	207.11	0.00
8.00	0.08	1,005	207.12	0.00
8.10	0.08	1,035	207.12	0.00
8.20	0.09	1,066	207.12	0.00
8.30	0.09	1,097	207.13	0.00
8.40	0.09	1,128	207.13	0.00
8.50	0.09	1,161	207.13	0.00
8.60	0.09	1,194	207.14	0.00
8.70	0.09	1,227	207.14	0.00
8.80	0.10	1,261	207.14	0.00
8.90	0.10	1,296	207.15	0.00
9.00	0.10	1,331	207.15	0.00
9.10	0.10	1,368	207.16	0.00
9.20	0.11	1,408	207.16	0.00
9.30	0.12	1,449	207.17	0.00
9.40	0.12	1,492	207.17	0.00
9.50	0.13	1,537	207.18	0.00
9.60	0.13	1,584	207.18	0.00
9.70	0.14	1,633	207.19	0.00
9.80	0.14	1,685	207.19	0.00
9.90	0.15	1,738	207.20	0.00
10.00	0.16	1,793	207.20	0.00
10.10	0.16	1,851	207.21	0.00
10.20	0.17	1,911	207.22	0.00
10.30	0.18	1,974	207.23	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.18	2,039	207.23	0.00
10.50	0.19	2,106	207.24	0.00
10.60	0.22	2,181	207.25	0.00
10.70	0.24	2,265	207.26	0.00
10.80	0.27	2,357	207.27	0.00
10.90	0.29	2,458	207.28	0.00
11.00	0.32	2,569	207.29	0.00
11.10	0.37	2,695	207.31	0.00
11.20	0.41	2,837	207.32	0.00
11.30	0.46	2,997	207.34	0.00
11.40	0.51	3,175	207.36	0.00
11.50	0.60	3,373	207.38	0.00
11.60	0.87	3,657	207.41	0.00
11.70	0.98	3,988	207.45	0.00
11.80	1.38	4,429	207.50	0.01
11.90	2.08	5,060	207.57	0.03
12.00	**3.70**	6,142	207.69	0.06
12.10	**5.08**	7,908	207.88	0.10
12.20	1.93	8,880	207.99	0.11
12.30	1.41	9,408	208.04	0.12
12.40	1.08	9,785	208.08	0.12
12.50	0.97	10,112	208.12	0.12
12.60	0.66	10,337	208.14	0.13
12.70	0.62	10,520	208.16	0.13
12.80	0.57	10,685	208.18	0.13
12.90	0.51	10,829	208.19	0.13
13.00	0.46	10,953	208.21	0.13
13.10	0.41	11,057	208.22	0.13
13.20	0.38	11,148	208.23	0.14
13.30	0.35	11,229	208.24	0.14
13.40	0.32	11,298	208.24	0.14
13.50	0.29	11,357	208.25	0.14
13.60	0.26	11,405	208.26	0.14
13.70	0.26	11,448	208.26	0.14
13.80	0.25	11,489	208.26	0.14
13.90	0.24	11,526	208.27	0.14
14.00	0.23	11,561	208.27	0.14
14.10	0.23	11,592	208.28	0.14
14.20	0.22	11,621	208.28	0.14
14.30	0.21	11,647	208.28	0.14
14.40	0.20	11,670	208.28	0.14
14.50	0.19	11,690	208.29	0.14
14.60	0.19	11,708	208.29	0.14
14.70	0.18	11,722	208.29	0.14
14.80	0.17	11,734	208.29	0.14
14.90	0.16	11,742	208.29	0.14
15.00	0.16	11,748	208.29	0.14
15.10	0.15	11,751	208.29	0.14
15.20	0.15	11,753	208.29	0.14
15.30	0.14	11,754	208.29	0.14
15.40	0.14	**11,755**	**208.29**	**0.14**
15.50	0.14	11,754	208.29	0.14

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.14	11,753	208.29	0.14
15.70	0.14	11,751	208.29	0.14
15.80	0.13	11,749	208.29	0.14
15.90	0.13	11,746	208.29	0.14
16.00	0.13	11,742	208.29	0.14
16.10	0.13	11,737	208.29	0.14
16.20	0.13	11,731	208.29	0.14
16.30	0.12	11,725	208.29	0.14
16.40	0.12	11,718	208.29	0.14
16.50	0.12	11,711	208.29	0.14
16.60	0.12	11,702	208.29	0.14
16.70	0.12	11,693	208.29	0.14
16.80	0.11	11,683	208.29	0.14
16.90	0.11	11,673	208.28	0.14
17.00	0.11	11,662	208.28	0.14
17.10	0.11	11,650	208.28	0.14
17.20	0.11	11,637	208.28	0.14
17.30	0.10	11,624	208.28	0.14
17.40	0.10	11,610	208.28	0.14
17.50	0.10	11,595	208.28	0.14
17.60	0.10	11,580	208.27	0.14
17.70	0.09	11,563	208.27	0.14
17.80	0.09	11,547	208.27	0.14
17.90	0.09	11,529	208.27	0.14
18.00	0.09	11,511	208.27	0.14
18.10	0.09	11,492	208.27	0.14
18.20	0.09	11,473	208.26	0.14
18.30	0.09	11,454	208.26	0.14
18.40	0.08	11,434	208.26	0.14
18.50	0.08	11,415	208.26	0.14
18.60	0.08	11,395	208.25	0.14
18.70	0.08	11,375	208.25	0.14
18.80	0.08	11,356	208.25	0.14
18.90	0.08	11,336	208.25	0.14
19.00	0.08	11,316	208.25	0.14
19.10	0.08	11,295	208.24	0.14
19.20	0.08	11,275	208.24	0.14
19.30	0.08	11,255	208.24	0.14
19.40	0.08	11,234	208.24	0.14
19.50	0.08	11,214	208.24	0.14
19.60	0.08	11,193	208.23	0.14
19.70	0.08	11,172	208.23	0.14
19.80	0.08	11,151	208.23	0.14
19.90	0.08	11,130	208.23	0.14
20.00	0.08	11,109	208.22	0.14
20.10	0.08	11,088	208.22	0.14
20.20	0.08	11,066	208.22	0.13
20.30	0.07	11,045	208.22	0.13
20.40	0.07	11,023	208.22	0.13
20.50	0.07	11,002	208.21	0.13
20.60	0.07	10,980	208.21	0.13
20.70	0.07	10,958	208.21	0.13

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	10,936	208.21	0.13
20.90	0.07	10,914	208.20	0.13
21.00	0.07	10,892	208.20	0.13
21.10	0.07	10,869	208.20	0.13
21.20	0.07	10,847	208.20	0.13
21.30	0.07	10,825	208.19	0.13
21.40	0.07	10,802	208.19	0.13
21.50	0.07	10,779	208.19	0.13
21.60	0.07	10,756	208.19	0.13
21.70	0.07	10,733	208.18	0.13
21.80	0.07	10,711	208.18	0.13
21.90	0.07	10,687	208.18	0.13
22.00	0.07	10,664	208.18	0.13
22.10	0.07	10,641	208.17	0.13
22.20	0.07	10,618	208.17	0.13
22.30	0.06	10,594	208.17	0.13
22.40	0.06	10,571	208.17	0.13
22.50	0.06	10,547	208.16	0.13
22.60	0.06	10,523	208.16	0.13
22.70	0.06	10,499	208.16	0.13
22.80	0.06	10,475	208.16	0.13
22.90	0.06	10,451	208.15	0.13
23.00	0.06	10,427	208.15	0.13
23.10	0.06	10,403	208.15	0.13
23.20	0.06	10,378	208.15	0.13
23.30	0.06	10,354	208.14	0.13
23.40	0.06	10,329	208.14	0.13
23.50	0.06	10,305	208.14	0.13
23.60	0.06	10,280	208.14	0.13
23.70	0.06	10,255	208.13	0.13
23.80	0.06	10,230	208.13	0.13
23.90	0.06	10,206	208.13	0.13
24.00	0.06	10,183	208.13	0.13
24.10	0.00	10,144	208.12	0.12
24.20	0.00	10,099	208.12	0.12
24.30	0.00	10,054	208.11	0.12
24.40	0.00	10,010	208.11	0.12
24.50	0.00	9,966	208.10	0.12
24.60	0.00	9,921	208.10	0.12
24.70	0.00	9,878	208.09	0.12
24.80	0.00	9,834	208.09	0.12
24.90	0.00	9,790	208.08	0.12
25.00	0.00	9,747	208.08	0.12
25.10	0.00	9,704	208.08	0.12
25.20	0.00	9,661	208.07	0.12
25.30	0.00	9,618	208.07	0.12
25.40	0.00	9,576	208.06	0.12
25.50	0.00	9,533	208.06	0.12
25.60	0.00	9,491	208.05	0.12
25.70	0.00	9,449	208.05	0.12
25.80	0.00	9,407	208.04	0.12
25.90	0.00	9,366	208.04	0.12

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,324	208.03	0.11
26.10	0.00	9,283	208.03	0.11
26.20	0.00	9,242	208.03	0.11
26.30	0.00	9,201	208.02	0.11
26.40	0.00	9,160	208.02	0.11
26.50	0.00	9,120	208.01	0.11
26.60	0.00	9,079	208.01	0.11
26.70	0.00	9,039	208.00	0.11
26.80	0.00	8,999	208.00	0.11
26.90	0.00	8,959	208.00	0.11
27.00	0.00	8,920	207.99	0.11
27.10	0.00	8,880	207.99	0.11
27.20	0.00	8,841	207.98	0.11
27.30	0.00	8,802	207.98	0.11
27.40	0.00	8,763	207.97	0.11
27.50	0.00	8,725	207.97	0.11
27.60	0.00	8,686	207.97	0.11
27.70	0.00	8,648	207.96	0.11
27.80	0.00	8,610	207.96	0.11
27.90	0.00	8,572	207.95	0.11
28.00	0.00	8,534	207.95	0.10
28.10	0.00	8,497	207.95	0.10
28.20	0.00	8,459	207.94	0.10
28.30	0.00	8,422	207.94	0.10
28.40	0.00	8,385	207.93	0.10
28.50	0.00	8,349	207.93	0.10
28.60	0.00	8,312	207.93	0.10
28.70	0.00	8,276	207.92	0.10
28.80	0.00	8,239	207.92	0.10
28.90	0.00	8,203	207.91	0.10
29.00	0.00	8,168	207.91	0.10
29.10	0.00	8,132	207.91	0.10
29.20	0.00	8,096	207.90	0.10
29.30	0.00	8,061	207.90	0.10
29.40	0.00	8,026	207.89	0.10
29.50	0.00	7,991	207.89	0.10
29.60	0.00	7,957	207.89	0.10
29.70	0.00	7,922	207.88	0.10
29.80	0.00	7,888	207.88	0.10
29.90	0.00	7,854	207.88	0.09
30.00	0.00	7,820	207.87	0.09
30.10	0.00	7,786	207.87	0.09
30.20	0.00	7,752	207.86	0.09
30.30	0.00	7,719	207.86	0.09
30.40	0.00	7,686	207.86	0.09
30.50	0.00	7,653	207.85	0.09
30.60	0.00	7,620	207.85	0.09
30.70	0.00	7,588	207.85	0.09
30.80	0.00	7,555	207.84	0.09
30.90	0.00	7,523	207.84	0.09
31.00	0.00	7,491	207.84	0.09
31.10	0.00	7,459	207.83	0.09

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,427	207.83	0.09
31.30	0.00	7,396	207.83	0.09
31.40	0.00	7,365	207.82	0.09
31.50	0.00	7,334	207.82	0.09
31.60	0.00	7,303	207.82	0.09
31.70	0.00	7,272	207.81	0.09
31.80	0.00	7,241	207.81	0.08
31.90	0.00	7,211	207.81	0.08
32.00	0.00	7,181	207.80	0.08
32.10	0.00	7,151	207.80	0.08
32.20	0.00	7,121	207.80	0.08
32.30	0.00	7,092	207.79	0.08
32.40	0.00	7,062	207.79	0.08
32.50	0.00	7,033	207.79	0.08
32.60	0.00	7,004	207.78	0.08
32.70	0.00	6,975	207.78	0.08
32.80	0.00	6,947	207.78	0.08
32.90	0.00	6,918	207.77	0.08
33.00	0.00	6,890	207.77	0.08
33.10	0.00	6,862	207.77	0.08
33.20	0.00	6,834	207.77	0.08
33.30	0.00	6,807	207.76	0.08
33.40	0.00	6,779	207.76	0.08
33.50	0.00	6,752	207.76	0.08
33.60	0.00	6,725	207.75	0.07
33.70	0.00	6,698	207.75	0.07
33.80	0.00	6,671	207.75	0.07
33.90	0.00	6,645	207.74	0.07
34.00	0.00	6,618	207.74	0.07
34.10	0.00	6,592	207.74	0.07
34.20	0.00	6,566	207.74	0.07
34.30	0.00	6,540	207.73	0.07
34.40	0.00	6,515	207.73	0.07
34.50	0.00	6,490	207.73	0.07
34.60	0.00	6,464	207.72	0.07
34.70	0.00	6,439	207.72	0.07
34.80	0.00	6,415	207.72	0.07
34.90	0.00	6,390	207.72	0.07
35.00	0.00	6,365	207.71	0.07
35.10	0.00	6,341	207.71	0.07
35.20	0.00	6,317	207.71	0.07
35.30	0.00	6,293	207.71	0.07
35.40	0.00	6,270	207.70	0.07
35.50	0.00	6,246	207.70	0.06
35.60	0.00	6,223	207.70	0.06
35.70	0.00	6,200	207.70	0.06
35.80	0.00	6,177	207.69	0.06
35.90	0.00	6,155	207.69	0.06
36.00	0.00	6,132	207.69	0.06
36.10	0.00	6,110	207.69	0.06
36.20	0.00	6,088	207.68	0.06
36.30	0.00	6,066	207.68	0.06

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,044	207.68	0.06
36.50	0.00	6,022	207.68	0.06
36.60	0.00	6,001	207.67	0.06
36.70	0.00	5,980	207.67	0.06
36.80	0.00	5,959	207.67	0.06
36.90	0.00	5,938	207.67	0.06
37.00	0.00	5,917	207.66	0.06
37.10	0.00	5,897	207.66	0.06
37.20	0.00	5,877	207.66	0.06
37.30	0.00	5,857	207.66	0.06
37.40	0.00	5,837	207.66	0.05
37.50	0.00	5,817	207.65	0.05
37.60	0.00	5,798	207.65	0.05
37.70	0.00	5,778	207.65	0.05
37.80	0.00	5,759	207.65	0.05
37.90	0.00	5,740	207.65	0.05
38.00	0.00	5,722	207.64	0.05
38.10	0.00	5,703	207.64	0.05
38.20	0.00	5,684	207.64	0.05
38.30	0.00	5,666	207.64	0.05
38.40	0.00	5,648	207.64	0.05
38.50	0.00	5,631	207.63	0.05
38.60	0.00	5,613	207.63	0.05
38.70	0.00	5,596	207.63	0.05
38.80	0.00	5,579	207.63	0.05
38.90	0.00	5,562	207.63	0.05
39.00	0.00	5,545	207.62	0.05
39.10	0.00	5,529	207.62	0.05
39.20	0.00	5,512	207.62	0.04
39.30	0.00	5,496	207.62	0.04
39.40	0.00	5,481	207.62	0.04
39.50	0.00	5,465	207.61	0.04
39.60	0.00	5,450	207.61	0.04
39.70	0.00	5,434	207.61	0.04
39.80	0.00	5,419	207.61	0.04
39.90	0.00	5,404	207.61	0.04
40.00	0.00	5,390	207.61	0.04

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 1.98" for Future 2 yr event
Inflow = 5.64 cfs @ 12.06 hrs, Volume= 0.344 af
Outflow = 0.12 cfs @ 17.29 hrs, Volume= 0.224 af, Atten= 98%, Lag= 313.6 min
Primary = 0.12 cfs @ 17.29 hrs, Volume= 0.224 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.79' @ 17.29 hrs Surf.Area= 14,067 sf Storage= 10,813 cf

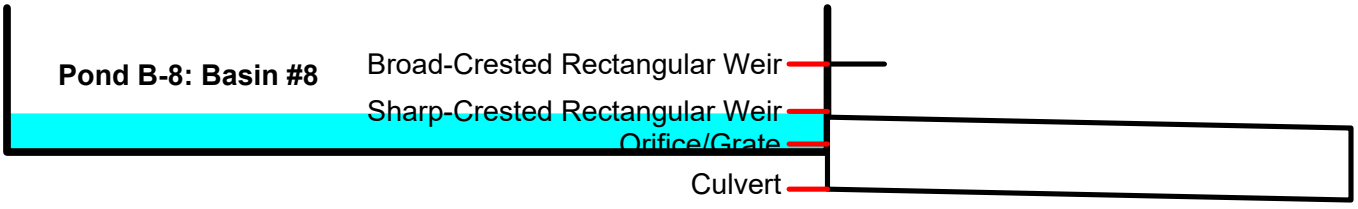
Plug-Flow detention time= 778.9 min calculated for 0.224 af (65% of inflow)
Center-of-Mass det. time= 666.6 min (1,473.9 - 807.3)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

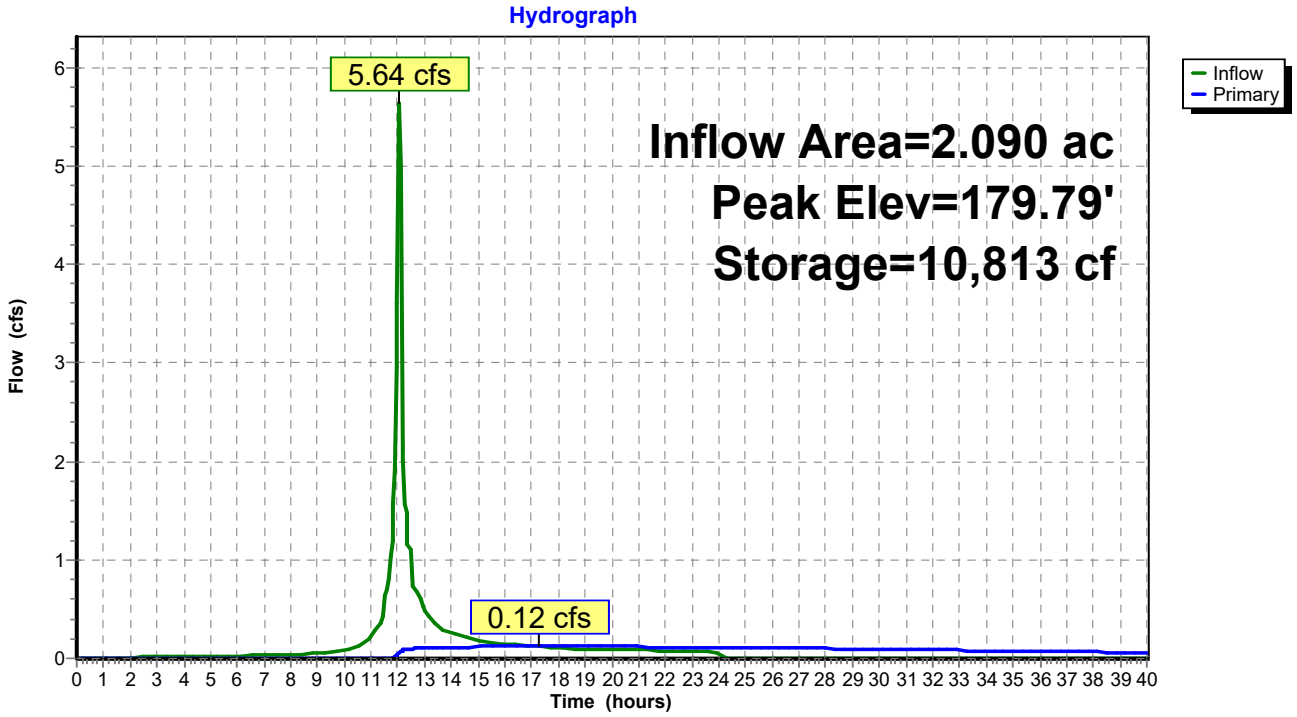
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.12 cfs @ 17.29 hrs HW=179.79' (Free Discharge)
- **1=Culvert** (Passes 0.12 cfs of 6.38 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.12 cfs @ 3.46 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	1	179.00	0.00
1.30	0.00	2	179.00	0.00
1.40	0.00	3	179.00	0.00
1.50	0.00	4	179.00	0.00
1.60	0.00	6	179.00	0.00
1.70	0.01	7	179.00	0.00
1.80	0.01	10	179.00	0.00
1.90	0.01	12	179.00	0.00
2.00	0.01	15	179.00	0.00
2.10	0.01	17	179.00	0.00
2.20	0.01	20	179.00	0.00
2.30	0.01	24	179.00	0.00
2.40	0.01	27	179.00	0.00
2.50	0.01	31	179.00	0.00
2.60	0.01	35	179.00	0.00
2.70	0.01	39	179.00	0.00
2.80	0.01	43	179.00	0.00
2.90	0.01	48	179.00	0.00
3.00	0.01	52	179.00	0.00
3.10	0.01	57	179.00	0.00
3.20	0.01	62	179.00	0.00
3.30	0.01	67	179.01	0.00
3.40	0.01	72	179.01	0.00
3.50	0.02	78	179.01	0.00
3.60	0.02	83	179.01	0.00
3.70	0.02	89	179.01	0.00
3.80	0.02	95	179.01	0.00
3.90	0.02	101	179.01	0.00
4.00	0.02	108	179.01	0.00
4.10	0.02	114	179.01	0.00
4.20	0.02	120	179.01	0.00
4.30	0.02	127	179.01	0.00
4.40	0.02	134	179.01	0.00
4.50	0.02	141	179.01	0.00
4.60	0.02	148	179.01	0.00
4.70	0.02	155	179.01	0.00
4.80	0.02	162	179.01	0.00
4.90	0.02	170	179.01	0.00
5.00	0.02	177	179.01	0.00
5.10	0.02	185	179.01	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	193	179.01	0.00
5.30	0.02	201	179.02	0.00
5.40	0.02	209	179.02	0.00
5.50	0.02	217	179.02	0.00
5.60	0.02	225	179.02	0.00
5.70	0.02	234	179.02	0.00
5.80	0.02	242	179.02	0.00
5.90	0.02	251	179.02	0.00
6.00	0.02	260	179.02	0.00
6.10	0.03	269	179.02	0.00
6.20	0.03	278	179.02	0.00
6.30	0.03	288	179.02	0.00
6.40	0.03	297	179.02	0.00
6.50	0.03	307	179.02	0.00
6.60	0.03	318	179.02	0.00
6.70	0.03	329	179.02	0.00
6.80	0.03	339	179.03	0.00
6.90	0.03	351	179.03	0.00
7.00	0.03	362	179.03	0.00
7.10	0.03	374	179.03	0.00
7.20	0.03	386	179.03	0.00
7.30	0.03	398	179.03	0.00
7.40	0.04	411	179.03	0.00
7.50	0.04	424	179.03	0.00
7.60	0.04	437	179.03	0.00
7.70	0.04	451	179.03	0.00
7.80	0.04	465	179.03	0.00
7.90	0.04	479	179.04	0.00
8.00	0.04	493	179.04	0.00
8.10	0.04	508	179.04	0.00
8.20	0.04	523	179.04	0.00
8.30	0.04	538	179.04	0.00
8.40	0.04	554	179.04	0.00
8.50	0.04	570	179.04	0.00
8.60	0.05	586	179.04	0.00
8.70	0.05	602	179.05	0.00
8.80	0.05	619	179.05	0.00
8.90	0.05	636	179.05	0.00
9.00	0.05	653	179.05	0.00
9.10	0.05	672	179.05	0.00
9.20	0.05	691	179.05	0.00
9.30	0.06	711	179.05	0.00
9.40	0.06	732	179.06	0.00
9.50	0.06	754	179.06	0.00
9.60	0.07	777	179.06	0.00
9.70	0.07	802	179.06	0.00
9.80	0.07	827	179.06	0.00
9.90	0.07	853	179.06	0.00
10.00	0.08	880	179.07	0.00
10.10	0.08	909	179.07	0.00
10.20	0.09	939	179.07	0.00
10.30	0.09	972	179.07	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.10	1,007	179.08	0.00
10.50	0.11	1,044	179.08	0.00
10.60	0.12	1,087	179.08	0.00
10.70	0.14	1,135	179.09	0.00
10.80	0.16	1,190	179.09	0.00
10.90	0.18	1,252	179.09	0.00
11.00	0.21	1,322	179.10	0.00
11.10	0.24	1,404	179.11	0.00
11.20	0.28	1,500	179.11	0.00
11.30	0.32	1,610	179.12	0.00
11.40	0.37	1,736	179.13	0.00
11.50	0.46	1,882	179.14	0.00
11.60	0.67	2,100	179.16	0.00
11.70	0.81	2,363	179.18	0.00
11.80	1.19	2,731	179.20	0.00
11.90	1.91	3,288	179.25	0.01
12.00	**3.61**	4,310	179.32	0.03
12.10	**4.99**	6,063	179.45	0.07
12.20	2.00	7,049	179.52	0.08
12.30	1.48	7,614	179.56	0.09
12.40	1.16	8,028	179.59	0.09
12.50	1.03	8,392	179.62	0.10
12.60	0.72	8,647	179.64	0.10
12.70	0.68	8,862	179.65	0.10
12.80	0.62	9,056	179.67	0.10
12.90	0.56	9,229	179.68	0.10
13.00	0.50	9,381	179.69	0.11
13.10	0.45	9,511	179.70	0.11
13.20	0.42	9,627	179.71	0.11
13.30	0.39	9,732	179.71	0.11
13.40	0.35	9,825	179.72	0.11
13.50	0.32	9,906	179.73	0.11
13.60	0.30	9,975	179.73	0.11
13.70	0.29	10,039	179.74	0.11
13.80	0.28	10,100	179.74	0.11
13.90	0.27	10,158	179.74	0.11
14.00	0.26	10,213	179.75	0.11
14.10	0.25	10,265	179.75	0.11
14.20	0.25	10,314	179.76	0.11
14.30	0.24	10,359	179.76	0.11
14.40	0.23	10,401	179.76	0.11
14.50	0.22	10,440	179.76	0.11
14.60	0.21	10,476	179.77	0.12
14.70	0.20	10,508	179.77	0.12
14.80	0.19	10,538	179.77	0.12
14.90	0.18	10,564	179.77	0.12
15.00	0.18	10,586	179.77	0.12
15.10	0.17	10,606	179.78	0.12
15.20	0.17	10,624	179.78	0.12
15.30	0.16	10,642	179.78	0.12
15.40	0.16	10,659	179.78	0.12
15.50	0.16	10,674	179.78	0.12

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	10,689	179.78	0.12
15.70	0.16	10,704	179.78	0.12
15.80	0.15	10,717	179.78	0.12
15.90	0.15	10,729	179.78	0.12
16.00	0.15	10,741	179.79	0.12
16.10	0.15	10,751	179.79	0.12
16.20	0.14	10,761	179.79	0.12
16.30	0.14	10,770	179.79	0.12
16.40	0.14	10,779	179.79	0.12
16.50	0.14	10,786	179.79	0.12
16.60	0.14	10,792	179.79	0.12
16.70	0.13	10,798	179.79	0.12
16.80	0.13	10,803	179.79	0.12
16.90	0.13	10,806	179.79	0.12
17.00	0.13	10,810	179.79	0.12
17.10	0.12	10,812	179.79	0.12
17.20	0.12	10,813	179.79	0.12
17.30	0.12	**10,813**	**179.79**	**0.12**
17.40	0.12	10,813	179.79	0.12
17.50	0.11	10,812	179.79	0.12
17.60	0.11	10,810	179.79	0.12
17.70	0.11	10,807	179.79	0.12
17.80	0.11	10,803	179.79	0.12
17.90	0.10	10,799	179.79	0.12
18.00	0.10	10,793	179.79	0.12
18.10	0.10	10,787	179.79	0.12
18.20	0.10	10,780	179.79	0.12
18.30	0.10	10,773	179.79	0.12
18.40	0.10	10,766	179.79	0.12
18.50	0.10	10,759	179.79	0.12
18.60	0.10	10,752	179.79	0.12
18.70	0.10	10,744	179.79	0.12
18.80	0.10	10,737	179.79	0.12
18.90	0.10	10,729	179.78	0.12
19.00	0.09	10,721	179.78	0.12
19.10	0.09	10,712	179.78	0.12
19.20	0.09	10,704	179.78	0.12
19.30	0.09	10,695	179.78	0.12
19.40	0.09	10,687	179.78	0.12
19.50	0.09	10,678	179.78	0.12
19.60	0.09	10,669	179.78	0.12
19.70	0.09	10,659	179.78	0.12
19.80	0.09	10,650	179.78	0.12
19.90	0.09	10,640	179.78	0.12
20.00	0.09	10,630	179.78	0.12
20.10	0.09	10,620	179.78	0.12
20.20	0.09	10,610	179.78	0.12
20.30	0.09	10,600	179.78	0.12
20.40	0.09	10,589	179.77	0.12
20.50	0.09	10,578	179.77	0.12
20.60	0.09	10,567	179.77	0.12
20.70	0.08	10,556	179.77	0.12

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	10,545	179.77	0.12
20.90	0.08	10,534	179.77	0.12
21.00	0.08	10,522	179.77	0.12
21.10	0.08	10,510	179.77	0.12
21.20	0.08	10,498	179.77	0.12
21.30	0.08	10,486	179.77	0.12
21.40	0.08	10,474	179.77	0.12
21.50	0.08	10,461	179.77	0.12
21.60	0.08	10,448	179.76	0.11
21.70	0.08	10,436	179.76	0.11
21.80	0.08	10,423	179.76	0.11
21.90	0.08	10,409	179.76	0.11
22.00	0.08	10,396	179.76	0.11
22.10	0.08	10,382	179.76	0.11
22.20	0.08	10,369	179.76	0.11
22.30	0.08	10,355	179.76	0.11
22.40	0.07	10,341	179.76	0.11
22.50	0.07	10,326	179.76	0.11
22.60	0.07	10,312	179.76	0.11
22.70	0.07	10,297	179.75	0.11
22.80	0.07	10,283	179.75	0.11
22.90	0.07	10,268	179.75	0.11
23.00	0.07	10,253	179.75	0.11
23.10	0.07	10,237	179.75	0.11
23.20	0.07	10,222	179.75	0.11
23.30	0.07	10,206	179.75	0.11
23.40	0.07	10,190	179.75	0.11
23.50	0.07	10,174	179.75	0.11
23.60	0.07	10,158	179.74	0.11
23.70	0.07	10,142	179.74	0.11
23.80	0.07	10,125	179.74	0.11
23.90	0.07	10,109	179.74	0.11
24.00	0.06	10,095	179.74	0.11
24.10	0.00	10,061	179.74	0.11
24.20	0.00	10,021	179.73	0.11
24.30	0.00	9,981	179.73	0.11
24.40	0.00	9,941	179.73	0.11
24.50	0.00	9,901	179.73	0.11
24.60	0.00	9,861	179.72	0.11
24.70	0.00	9,822	179.72	0.11
24.80	0.00	9,782	179.72	0.11
24.90	0.00	9,743	179.71	0.11
25.00	0.00	9,704	179.71	0.11
25.10	0.00	9,665	179.71	0.11
25.20	0.00	9,626	179.71	0.11
25.30	0.00	9,587	179.70	0.11
25.40	0.00	9,549	179.70	0.11
25.50	0.00	9,510	179.70	0.11
25.60	0.00	9,472	179.70	0.11
25.70	0.00	9,433	179.69	0.11
25.80	0.00	9,395	179.69	0.11
25.90	0.00	9,357	179.69	0.11

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,319	179.68	0.11
26.10	0.00	9,282	179.68	0.10
26.20	0.00	9,244	179.68	0.10
26.30	0.00	9,206	179.68	0.10
26.40	0.00	9,169	179.67	0.10
26.50	0.00	9,132	179.67	0.10
26.60	0.00	9,095	179.67	0.10
26.70	0.00	9,058	179.67	0.10
26.80	0.00	9,021	179.66	0.10
26.90	0.00	8,984	179.66	0.10
27.00	0.00	8,947	179.66	0.10
27.10	0.00	8,911	179.65	0.10
27.20	0.00	8,874	179.65	0.10
27.30	0.00	8,838	179.65	0.10
27.40	0.00	8,802	179.65	0.10
27.50	0.00	8,766	179.64	0.10
27.60	0.00	8,730	179.64	0.10
27.70	0.00	8,694	179.64	0.10
27.80	0.00	8,659	179.64	0.10
27.90	0.00	8,623	179.63	0.10
28.00	0.00	8,588	179.63	0.10
28.10	0.00	8,553	179.63	0.10
28.20	0.00	8,517	179.63	0.10
28.30	0.00	8,482	179.62	0.10
28.40	0.00	8,448	179.62	0.10
28.50	0.00	8,413	179.62	0.10
28.60	0.00	8,378	179.62	0.10
28.70	0.00	8,344	179.61	0.10
28.80	0.00	8,309	179.61	0.10
28.90	0.00	8,275	179.61	0.09
29.00	0.00	8,241	179.61	0.09
29.10	0.00	8,207	179.60	0.09
29.20	0.00	8,173	179.60	0.09
29.30	0.00	8,139	179.60	0.09
29.40	0.00	8,106	179.60	0.09
29.50	0.00	8,072	179.59	0.09
29.60	0.00	8,039	179.59	0.09
29.70	0.00	8,005	179.59	0.09
29.80	0.00	7,972	179.59	0.09
29.90	0.00	7,939	179.58	0.09
30.00	0.00	7,906	179.58	0.09
30.10	0.00	7,874	179.58	0.09
30.20	0.00	7,841	179.58	0.09
30.30	0.00	7,809	179.58	0.09
30.40	0.00	7,776	179.57	0.09
30.50	0.00	7,744	179.57	0.09
30.60	0.00	7,712	179.57	0.09
30.70	0.00	7,680	179.57	0.09
30.80	0.00	7,648	179.56	0.09
30.90	0.00	7,616	179.56	0.09
31.00	0.00	7,585	179.56	0.09
31.10	0.00	7,553	179.56	0.09

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,522	179.55	0.09
31.30	0.00	7,491	179.55	0.09
31.40	0.00	7,460	179.55	0.09
31.50	0.00	7,429	179.55	0.09
31.60	0.00	7,398	179.55	0.09
31.70	0.00	7,367	179.54	0.09
31.80	0.00	7,336	179.54	0.08
31.90	0.00	7,306	179.54	0.08
32.00	0.00	7,276	179.54	0.08
32.10	0.00	7,245	179.53	0.08
32.20	0.00	7,215	179.53	0.08
32.30	0.00	7,185	179.53	0.08
32.40	0.00	7,155	179.53	0.08
32.50	0.00	7,126	179.53	0.08
32.60	0.00	7,096	179.52	0.08
32.70	0.00	7,067	179.52	0.08
32.80	0.00	7,037	179.52	0.08
32.90	0.00	7,008	179.52	0.08
33.00	0.00	6,979	179.52	0.08
33.10	0.00	6,950	179.51	0.08
33.20	0.00	6,921	179.51	0.08
33.30	0.00	6,893	179.51	0.08
33.40	0.00	6,864	179.51	0.08
33.50	0.00	6,836	179.51	0.08
33.60	0.00	6,807	179.50	0.08
33.70	0.00	6,779	179.50	0.08
33.80	0.00	6,751	179.50	0.08
33.90	0.00	6,723	179.50	0.08
34.00	0.00	6,695	179.49	0.08
34.10	0.00	6,668	179.49	0.08
34.20	0.00	6,640	179.49	0.08
34.30	0.00	6,613	179.49	0.08
34.40	0.00	6,585	179.49	0.08
34.50	0.00	6,558	179.48	0.08
34.60	0.00	6,531	179.48	0.07
34.70	0.00	6,504	179.48	0.07
34.80	0.00	6,477	179.48	0.07
34.90	0.00	6,451	179.48	0.07
35.00	0.00	6,424	179.48	0.07
35.10	0.00	6,398	179.47	0.07
35.20	0.00	6,371	179.47	0.07
35.30	0.00	6,345	179.47	0.07
35.40	0.00	6,319	179.47	0.07
35.50	0.00	6,293	179.47	0.07
35.60	0.00	6,267	179.46	0.07
35.70	0.00	6,242	179.46	0.07
35.80	0.00	6,216	179.46	0.07
35.90	0.00	6,191	179.46	0.07
36.00	0.00	6,166	179.46	0.07
36.10	0.00	6,140	179.45	0.07
36.20	0.00	6,115	179.45	0.07
36.30	0.00	6,091	179.45	0.07

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,066	179.45	0.07
36.50	0.00	6,041	179.45	0.07
36.60	0.00	6,017	179.45	0.07
36.70	0.00	5,992	179.44	0.07
36.80	0.00	5,968	179.44	0.07
36.90	0.00	5,944	179.44	0.07
37.00	0.00	5,920	179.44	0.07
37.10	0.00	5,896	179.44	0.07
37.20	0.00	5,872	179.44	0.07
37.30	0.00	5,849	179.43	0.07
37.40	0.00	5,825	179.43	0.07
37.50	0.00	5,802	179.43	0.06
37.60	0.00	5,779	179.43	0.06
37.70	0.00	5,755	179.43	0.06
37.80	0.00	5,732	179.42	0.06
37.90	0.00	5,710	179.42	0.06
38.00	0.00	5,687	179.42	0.06
38.10	0.00	5,664	179.42	0.06
38.20	0.00	5,642	179.42	0.06
38.30	0.00	5,619	179.42	0.06
38.40	0.00	5,597	179.41	0.06
38.50	0.00	5,575	179.41	0.06
38.60	0.00	5,553	179.41	0.06
38.70	0.00	5,531	179.41	0.06
38.80	0.00	5,510	179.41	0.06
38.90	0.00	5,488	179.41	0.06
39.00	0.00	5,467	179.41	0.06
39.10	0.00	5,445	179.40	0.06
39.20	0.00	5,424	179.40	0.06
39.30	0.00	5,403	179.40	0.06
39.40	0.00	5,382	179.40	0.06
39.50	0.00	5,361	179.40	0.06
39.60	0.00	5,341	179.40	0.06
39.70	0.00	5,320	179.39	0.06
39.80	0.00	5,300	179.39	0.06
39.90	0.00	5,279	179.39	0.06
40.00	0.00	5,259	179.39	0.06

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)
181.08	26.70
181.09	27.71
181.10	28.75
181.11	29.81
181.12	30.89
181.13	32.00
181.14	33.13
181.15	34.29
181.16	35.47
181.17	36.68
181.18	37.91
181.19	39.16
181.20	40.44
181.21	41.74
181.22	43.07
181.23	44.42
181.24	45.82
181.25	47.25
181.26	48.70
181.27	50.18
181.28	51.68
181.29	53.22
181.30	54.77
181.31	56.36
181.32	57.97
181.33	59.60
181.34	61.27
181.35	62.95
181.36	64.67
181.37	66.41
181.38	68.18
181.39	69.98
181.40	71.80
181.41	73.65
181.42	75.52
181.43	77.42
181.44	79.09
181.45	80.76
181.46	82.45
181.47	84.15
181.48	85.86
181.49	87.59
181.50	89.33
181.51	91.08
181.52	92.84
181.53	94.62
181.54	96.41
181.55	98.22
181.56	100.03
181.57	101.86
181.58	103.70
181.59	105.56
181.60	107.42
181.61	109.30
181.62	111.19
181.63	113.09
181.64	115.04
181.65	117.01
181.66	118.98
181.67	120.98
181.68	122.98
181.69	125.00
181.70	127.03
181.71	129.07
181.72	131.13
181.73	133.19
181.74	135.28
181.75	137.37
181.76	139.48
181.77	141.60
181.78	143.73
181.79	145.87
181.80	148.03
181.81	150.20
181.82	152.38
181.83	154.58
181.84	156.73
181.85	158.90
181.86	161.07
181.87	163.26
181.88	165.46
181.89	167.66
181.90	169.88
181.91	172.11
181.92	174.35
181.93	176.60
181.94	178.86
181.95	181.13
181.96	183.41
181.97	185.70
181.98	188.00
181.99	190.31
182.00	**192.63**

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350
180.05	14,325	14,493
180.06	14,335	14,637
180.07	14,345	14,780
180.08	14,356	14,924
180.09	14,366	15,067
180.10	14,376	15,211
180.11	14,386	15,355
180.12	14,396	15,499
180.13	14,406	15,643
180.14	14,417	15,787
180.15	14,427	15,931
180.16	14,437	16,075
180.17	14,447	16,220
180.18	14,457	16,364
180.19	14,468	16,509
180.20	14,478	16,654
180.21	14,488	16,799
180.22	14,498	16,943
180.23	14,508	17,088
180.24	14,519	17,234
180.25	14,529	17,379
180.26	14,539	17,524
180.27	14,549	17,670
180.28	14,559	17,815
180.29	14,570	17,961
180.30	14,580	18,107
180.31	14,590	18,252
180.32	14,600	18,398
180.33	14,610	18,544
180.34	14,620	18,691
180.35	14,631	18,837
180.36	14,641	18,983
180.37	14,651	19,130
180.38	14,661	19,276
180.39	14,671	19,423
180.40	14,682	19,570
180.41	14,692	19,716
180.42	14,702	19,863
180.43	14,712	20,011
180.44	14,722	20,158
180.45	14,733	20,305
180.46	14,743	20,452
180.47	14,753	20,600
180.48	14,763	20,747
180.49	14,773	20,895
180.50	14,784	21,043
180.51	14,794	21,191
180.52	14,804	21,339
180.53	14,814	21,487
180.54	14,824	21,635
180.55	14,834	21,783
180.56	14,845	21,932
180.57	14,855	22,080
180.58	14,865	22,229
180.59	14,875	22,378
180.60	14,885	22,526
180.61	14,896	22,675
180.62	14,906	22,824
180.63	14,916	22,973
180.64	14,926	23,123
180.65	14,936	23,272
180.66	14,947	23,421
180.67	14,957	23,571
180.68	14,967	23,720
180.69	14,977	23,870
180.70	14,987	24,020
180.71	14,997	24,170
180.72	15,008	24,320
180.73	15,018	24,470
180.74	15,028	24,620
180.75	15,038	24,771
180.76	15,048	24,921
180.77	15,059	25,072
180.78	15,069	25,222
180.79	15,079	25,373
180.80	15,089	25,524
180.81	15,099	25,675
180.82	15,110	25,826
180.83	15,120	25,977
180.84	15,130	26,128
180.85	15,140	26,280
180.86	15,150	26,431
180.87	15,161	26,583
180.88	15,171	26,734
180.89	15,181	26,886
180.90	15,191	27,038
180.91	15,201	27,190
180.92	15,211	27,342
180.93	15,222	27,494
180.94	15,232	27,646
180.95	15,242	27,799
180.96	15,252	27,951
180.97	15,262	28,104
180.98	15,273	28,256
180.99	15,283	28,409
181.00	15,293	28,562
181.01	15,303	28,715
181.02	15,314	28,868
181.03	15,324	29,021
181.04	15,335	29,175
181.05	15,345	29,328
181.06	15,356	29,481
181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 2.61" for Future 2 yr event
Inflow = 5.12 cfs @ 12.08 hrs, Volume= 0.327 af
Outflow = 0.12 cfs @ 16.05 hrs, Volume= 0.211 af, Atten= 98%, Lag= 238.2 min
Primary = 0.12 cfs @ 16.05 hrs, Volume= 0.211 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 179.93' @ 16.05 hrs Surf.Area= 11,635 sf Storage= 10,434 cf

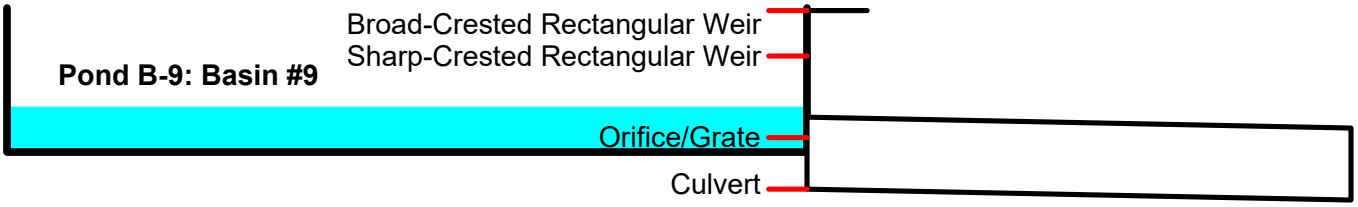
Plug-Flow detention time= 765.5 min calculated for 0.210 af (64% of inflow)
Center-of-Mass det. time= 657.4 min (1,434.6 - 777.1)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

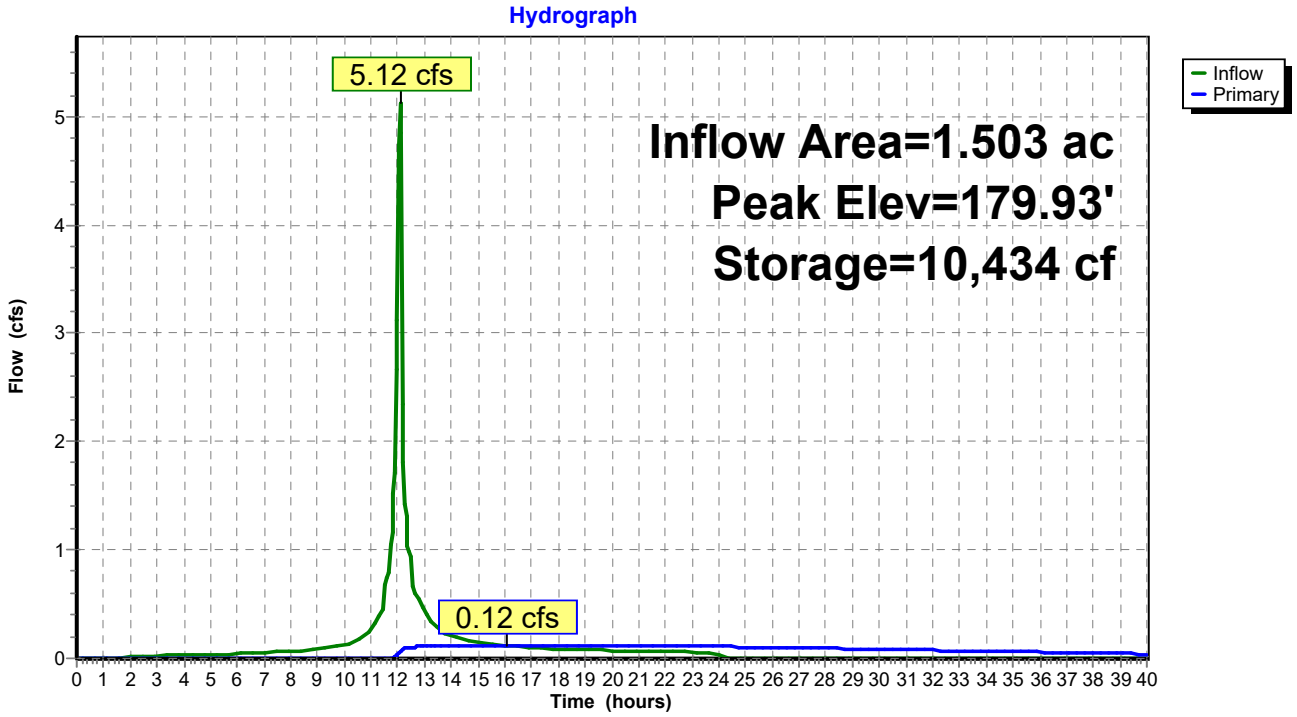
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.12 cfs @ 16.05 hrs HW=179.93' (Free Discharge)
- **1=Culvert** (Passes 0.12 cfs of 7.13 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.12 cfs @ 3.50 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	0	179.00	0.00
1.00	0.00	0	179.00	0.00
1.10	0.00	0	179.00	0.00
1.20	0.00	1	179.00	0.00
1.30	0.00	2	179.00	0.00
1.40	0.01	4	179.00	0.00
1.50	0.01	6	179.00	0.00
1.60	0.01	9	179.00	0.00
1.70	0.01	12	179.00	0.00
1.80	0.01	15	179.00	0.00
1.90	0.01	19	179.00	0.00
2.00	0.01	23	179.00	0.00
2.10	0.01	28	179.00	0.00
2.20	0.01	33	179.00	0.00
2.30	0.02	38	179.00	0.00
2.40	0.02	43	179.00	0.00
2.50	0.02	49	179.00	0.00
2.60	0.02	56	179.01	0.00
2.70	0.02	62	179.01	0.00
2.80	0.02	69	179.01	0.00
2.90	0.02	77	179.01	0.00
3.00	0.02	84	179.01	0.00
3.10	0.02	92	179.01	0.00
3.20	0.02	100	179.01	0.00
3.30	0.02	108	179.01	0.00
3.40	0.02	117	179.01	0.00
3.50	0.03	126	179.01	0.00
3.60	0.03	135	179.01	0.00
3.70	0.03	145	179.01	0.00
3.80	0.03	154	179.01	0.00
3.90	0.03	164	179.02	0.00
4.00	0.03	174	179.02	0.00
4.10	0.03	185	179.02	0.00
4.20	0.03	195	179.02	0.00
4.30	0.03	206	179.02	0.00
4.40	0.03	217	179.02	0.00
4.50	0.03	229	179.02	0.00
4.60	0.03	240	179.02	0.00
4.70	0.03	252	179.02	0.00
4.80	0.03	264	179.02	0.00
4.90	0.03	276	179.03	0.00
5.00	0.03	289	179.03	0.00
5.10	0.04	301	179.03	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	314	179.03	0.00
5.30	0.04	327	179.03	0.00
5.40	0.04	340	179.03	0.00
5.50	0.04	354	179.03	0.00
5.60	0.04	367	179.03	0.00
5.70	0.04	381	179.04	0.00
5.80	0.04	395	179.04	0.00
5.90	0.04	409	179.04	0.00
6.00	0.04	423	179.04	0.00
6.10	0.04	438	179.04	0.00
6.20	0.04	453	179.04	0.00
6.30	0.04	469	179.04	0.00
6.40	0.05	485	179.05	0.00
6.50	0.05	501	179.05	0.00
6.60	0.05	518	179.05	0.00
6.70	0.05	536	179.05	0.00
6.80	0.05	553	179.05	0.00
6.90	0.05	572	179.05	0.00
7.00	0.05	591	179.05	0.00
7.10	0.05	610	179.06	0.00
7.20	0.06	630	179.06	0.00
7.30	0.06	650	179.06	0.00
7.40	0.06	671	179.06	0.00
7.50	0.06	692	179.06	0.00
7.60	0.06	713	179.07	0.00
7.70	0.06	735	179.07	0.00
7.80	0.06	758	179.07	0.00
7.90	0.06	781	179.07	0.00
8.00	0.07	805	179.07	0.00
8.10	0.07	829	179.08	0.00
8.20	0.07	853	179.08	0.00
8.30	0.07	878	179.08	0.00
8.40	0.07	904	179.08	0.00
8.50	0.07	930	179.09	0.00
8.60	0.07	956	179.09	0.00
8.70	0.08	983	179.09	0.00
8.80	0.08	1,010	179.09	0.00
8.90	0.08	1,038	179.10	0.00
9.00	0.08	1,066	179.10	0.00
9.10	0.08	1,096	179.10	0.00
9.20	0.09	1,127	179.10	0.00
9.30	0.09	1,160	179.11	0.00
9.40	0.10	1,194	179.11	0.00
9.50	0.10	1,230	179.11	0.00
9.60	0.11	1,268	179.12	0.00
9.70	0.11	1,307	179.12	0.00
9.80	0.12	1,348	179.13	0.00
9.90	0.12	1,391	179.13	0.00
10.00	0.12	1,435	179.13	0.00
10.10	0.13	1,481	179.14	0.00
10.20	0.14	1,530	179.14	0.00
10.30	0.14	1,580	179.15	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,633	179.15	0.00
10.50	0.16	1,688	179.16	0.00
10.60	0.18	1,748	179.16	0.00
10.70	0.20	1,816	179.17	0.00
10.80	0.22	1,891	179.17	0.00
10.90	0.24	1,973	179.18	0.00
11.00	0.26	2,064	179.19	0.00
11.10	0.30	2,167	179.20	0.00
11.20	0.34	2,284	179.21	0.00
11.30	0.39	2,417	179.22	0.00
11.40	0.43	2,565	179.24	0.00
11.50	0.48	2,729	179.25	0.00
11.60	0.74	2,962	179.27	0.00
11.70	0.82	3,243	179.30	0.00
11.80	1.16	3,610	179.33	0.00
11.90	1.72	4,139	179.38	0.01
12.00	3.12	5,046	179.46	0.04
12.10	**4.85**	6,596	179.60	0.07
12.20	1.81	7,587	179.69	0.09
12.30	1.31	8,090	179.73	0.09
12.40	0.99	8,450	179.76	0.10
12.50	0.91	8,757	179.79	0.10
12.60	0.61	8,977	179.81	0.10
12.70	0.57	9,151	179.82	0.11
12.80	0.52	9,308	179.84	0.11
12.90	0.48	9,446	179.85	0.11
13.00	0.43	9,566	179.86	0.11
13.10	0.38	9,668	179.87	0.11
13.20	0.35	9,757	179.88	0.11
13.30	0.32	9,837	179.88	0.11
13.40	0.30	9,906	179.89	0.11
13.50	0.27	9,965	179.89	0.11
13.60	0.24	10,015	179.90	0.12
13.70	0.24	10,059	179.90	0.12
13.80	0.23	10,101	179.90	0.12
13.90	0.22	10,140	179.91	0.12
14.00	0.22	10,177	179.91	0.12
14.10	0.21	10,211	179.91	0.12
14.20	0.20	10,242	179.92	0.12
14.30	0.19	10,271	179.92	0.12
14.40	0.19	10,297	179.92	0.12
14.50	0.18	10,320	179.92	0.12
14.60	0.17	10,341	179.93	0.12
14.70	0.17	10,358	179.93	0.12
14.80	0.16	10,374	179.93	0.12
14.90	0.15	10,386	179.93	0.12
15.00	0.14	10,396	179.93	0.12
15.10	0.14	10,404	179.93	0.12
15.20	0.14	10,410	179.93	0.12
15.30	0.13	10,415	179.93	0.12
15.40	0.13	10,420	179.93	0.12
15.50	0.13	10,424	179.93	0.12

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.13	10,428	179.93	0.12
15.70	0.13	10,430	179.93	0.12
15.80	0.12	10,432	179.93	0.12
15.90	0.12	10,434	179.93	0.12
16.00	0.12	**10,434**	**179.93**	**0.12**
16.10	0.12	**10,434**	**179.93**	**0.12**
16.20	0.12	10,434	179.93	0.12
16.30	0.11	10,432	179.93	0.12
16.40	0.11	10,430	179.93	0.12
16.50	0.11	10,427	179.93	0.12
16.60	0.11	10,424	179.93	0.12
16.70	0.11	10,420	179.93	0.12
16.80	0.10	10,415	179.93	0.12
16.90	0.10	10,409	179.93	0.12
17.00	0.10	10,403	179.93	0.12
17.10	0.10	10,397	179.93	0.12
17.20	0.10	10,389	179.93	0.12
17.30	0.10	10,381	179.93	0.12
17.40	0.09	10,372	179.93	0.12
17.50	0.09	10,363	179.93	0.12
17.60	0.09	10,352	179.93	0.12
17.70	0.09	10,342	179.93	0.12
17.80	0.09	10,330	179.92	0.12
17.90	0.08	10,318	179.92	0.12
18.00	0.08	10,305	179.92	0.12
18.10	0.08	10,292	179.92	0.12
18.20	0.08	10,278	179.92	0.12
18.30	0.08	10,264	179.92	0.12
18.40	0.08	10,250	179.92	0.12
18.50	0.08	10,236	179.92	0.12
18.60	0.08	10,222	179.92	0.12
18.70	0.08	10,208	179.91	0.12
18.80	0.08	10,193	179.91	0.12
18.90	0.08	10,179	179.91	0.12
19.00	0.08	10,164	179.91	0.12
19.10	0.08	10,149	179.91	0.12
19.20	0.07	10,134	179.91	0.12
19.30	0.07	10,119	179.91	0.12
19.40	0.07	10,104	179.91	0.12
19.50	0.07	10,089	179.90	0.12
19.60	0.07	10,074	179.90	0.12
19.70	0.07	10,058	179.90	0.12
19.80	0.07	10,043	179.90	0.12
19.90	0.07	10,027	179.90	0.12
20.00	0.07	10,011	179.90	0.12
20.10	0.07	9,995	179.90	0.12
20.20	0.07	9,979	179.89	0.11
20.30	0.07	9,963	179.89	0.11
20.40	0.07	9,946	179.89	0.11
20.50	0.07	9,930	179.89	0.11
20.60	0.07	9,914	179.89	0.11
20.70	0.07	9,897	179.89	0.11

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.07	9,880	179.89	0.11
20.90	0.07	9,863	179.88	0.11
21.00	0.07	9,846	179.88	0.11
21.10	0.07	9,829	179.88	0.11
21.20	0.07	9,812	179.88	0.11
21.30	0.07	9,795	179.88	0.11
21.40	0.06	9,778	179.88	0.11
21.50	0.06	9,760	179.88	0.11
21.60	0.06	9,742	179.87	0.11
21.70	0.06	9,725	179.87	0.11
21.80	0.06	9,707	179.87	0.11
21.90	0.06	9,689	179.87	0.11
22.00	0.06	9,671	179.87	0.11
22.10	0.06	9,653	179.87	0.11
22.20	0.06	9,634	179.86	0.11
22.30	0.06	9,616	179.86	0.11
22.40	0.06	9,597	179.86	0.11
22.50	0.06	9,579	179.86	0.11
22.60	0.06	9,560	179.86	0.11
22.70	0.06	9,541	179.86	0.11
22.80	0.06	9,523	179.85	0.11
22.90	0.06	9,503	179.85	0.11
23.00	0.06	9,484	179.85	0.11
23.10	0.06	9,465	179.85	0.11
23.20	0.06	9,446	179.85	0.11
23.30	0.06	9,426	179.85	0.11
23.40	0.05	9,407	179.84	0.11
23.50	0.05	9,387	179.84	0.11
23.60	0.05	9,368	179.84	0.11
23.70	0.05	9,348	179.84	0.11
23.80	0.05	9,328	179.84	0.11
23.90	0.05	9,308	179.84	0.11
24.00	0.06	9,290	179.83	0.11
24.10	0.00	9,258	179.83	0.11
24.20	0.00	9,220	179.83	0.11
24.30	0.00	9,181	179.83	0.11
24.40	0.00	9,143	179.82	0.11
24.50	0.00	9,105	179.82	0.11
24.60	0.00	9,067	179.82	0.11
24.70	0.00	9,029	179.81	0.10
24.80	0.00	8,992	179.81	0.10
24.90	0.00	8,954	179.81	0.10
25.00	0.00	8,917	179.80	0.10
25.10	0.00	8,880	179.80	0.10
25.20	0.00	8,843	179.80	0.10
25.30	0.00	8,806	179.79	0.10
25.40	0.00	8,769	179.79	0.10
25.50	0.00	8,732	179.79	0.10
25.60	0.00	8,696	179.78	0.10
25.70	0.00	8,660	179.78	0.10
25.80	0.00	8,623	179.78	0.10
25.90	0.00	8,587	179.77	0.10

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	8,552	179.77	0.10
26.10	0.00	8,516	179.77	0.10
26.20	0.00	8,480	179.76	0.10
26.30	0.00	8,445	179.76	0.10
26.40	0.00	8,410	179.76	0.10
26.50	0.00	8,375	179.76	0.10
26.60	0.00	8,340	179.75	0.10
26.70	0.00	8,305	179.75	0.10
26.80	0.00	8,270	179.75	0.10
26.90	0.00	8,236	179.74	0.10
27.00	0.00	8,202	179.74	0.10
27.10	0.00	8,167	179.74	0.09
27.20	0.00	8,133	179.73	0.09
27.30	0.00	8,100	179.73	0.09
27.40	0.00	8,066	179.73	0.09
27.50	0.00	8,032	179.73	0.09
27.60	0.00	7,999	179.72	0.09
27.70	0.00	7,966	179.72	0.09
27.80	0.00	7,933	179.72	0.09
27.90	0.00	7,900	179.71	0.09
28.00	0.00	7,867	179.71	0.09
28.10	0.00	7,834	179.71	0.09
28.20	0.00	7,802	179.71	0.09
28.30	0.00	7,769	179.70	0.09
28.40	0.00	7,737	179.70	0.09
28.50	0.00	7,705	179.70	0.09
28.60	0.00	7,673	179.69	0.09
28.70	0.00	7,642	179.69	0.09
28.80	0.00	7,610	179.69	0.09
28.90	0.00	7,579	179.69	0.09
29.00	0.00	7,547	179.68	0.09
29.10	0.00	7,516	179.68	0.09
29.20	0.00	7,485	179.68	0.09
29.30	0.00	7,454	179.67	0.09
29.40	0.00	7,424	179.67	0.08
29.50	0.00	7,393	179.67	0.08
29.60	0.00	7,363	179.67	0.08
29.70	0.00	7,333	179.66	0.08
29.80	0.00	7,303	179.66	0.08
29.90	0.00	7,273	179.66	0.08
30.00	0.00	7,243	179.66	0.08
30.10	0.00	7,214	179.65	0.08
30.20	0.00	7,184	179.65	0.08
30.30	0.00	7,155	179.65	0.08
30.40	0.00	7,126	179.65	0.08
30.50	0.00	7,097	179.64	0.08
30.60	0.00	7,068	179.64	0.08
30.70	0.00	7,040	179.64	0.08
30.80	0.00	7,011	179.64	0.08
30.90	0.00	6,983	179.63	0.08
31.00	0.00	6,954	179.63	0.08
31.10	0.00	6,926	179.63	0.08

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,899	179.63	0.08
31.30	0.00	6,871	179.62	0.08
31.40	0.00	6,843	179.62	0.08
31.50	0.00	6,816	179.62	0.08
31.60	0.00	6,789	179.62	0.08
31.70	0.00	6,762	179.61	0.08
31.80	0.00	6,735	179.61	0.07
31.90	0.00	6,708	179.61	0.07
32.00	0.00	6,681	179.61	0.07
32.10	0.00	6,655	179.60	0.07
32.20	0.00	6,628	179.60	0.07
32.30	0.00	6,602	179.60	0.07
32.40	0.00	6,576	179.60	0.07
32.50	0.00	6,550	179.59	0.07
32.60	0.00	6,525	179.59	0.07
32.70	0.00	6,499	179.59	0.07
32.80	0.00	6,474	179.59	0.07
32.90	0.00	6,448	179.59	0.07
33.00	0.00	6,423	179.58	0.07
33.10	0.00	6,398	179.58	0.07
33.20	0.00	6,374	179.58	0.07
33.30	0.00	6,349	179.58	0.07
33.40	0.00	6,324	179.57	0.07
33.50	0.00	6,300	179.57	0.07
33.60	0.00	6,276	179.57	0.07
33.70	0.00	6,252	179.57	0.07
33.80	0.00	6,228	179.57	0.07
33.90	0.00	6,204	179.56	0.07
34.00	0.00	6,181	179.56	0.07
34.10	0.00	6,157	179.56	0.06
34.20	0.00	6,134	179.56	0.06
34.30	0.00	6,111	179.56	0.06
34.40	0.00	6,088	179.55	0.06
34.50	0.00	6,065	179.55	0.06
34.60	0.00	6,043	179.55	0.06
34.70	0.00	6,020	179.55	0.06
34.80	0.00	5,998	179.55	0.06
34.90	0.00	5,976	179.54	0.06
35.00	0.00	5,954	179.54	0.06
35.10	0.00	5,932	179.54	0.06
35.20	0.00	5,910	179.54	0.06
35.30	0.00	5,889	179.54	0.06
35.40	0.00	5,868	179.53	0.06
35.50	0.00	5,846	179.53	0.06
35.60	0.00	5,825	179.53	0.06
35.70	0.00	5,804	179.53	0.06
35.80	0.00	5,784	179.53	0.06
35.90	0.00	5,763	179.52	0.06
36.00	0.00	5,743	179.52	0.06
36.10	0.00	5,722	179.52	0.06
36.20	0.00	5,702	179.52	0.06
36.30	0.00	5,682	179.52	0.06

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,662	179.52	0.05
36.50	0.00	5,643	179.51	0.05
36.60	0.00	5,623	179.51	0.05
36.70	0.00	5,604	179.51	0.05
36.80	0.00	5,585	179.51	0.05
36.90	0.00	5,566	179.51	0.05
37.00	0.00	5,547	179.51	0.05
37.10	0.00	5,528	179.50	0.05
37.20	0.00	5,509	179.50	0.05
37.30	0.00	5,491	179.50	0.05
37.40	0.00	5,473	179.50	0.05
37.50	0.00	5,455	179.50	0.05
37.60	0.00	5,437	179.50	0.05
37.70	0.00	5,419	179.49	0.05
37.80	0.00	5,401	179.49	0.05
37.90	0.00	5,384	179.49	0.05
38.00	0.00	5,367	179.49	0.05
38.10	0.00	5,350	179.49	0.05
38.20	0.00	5,333	179.49	0.05
38.30	0.00	5,316	179.49	0.05
38.40	0.00	5,299	179.48	0.05
38.50	0.00	5,282	179.48	0.05
38.60	0.00	5,266	179.48	0.05
38.70	0.00	5,250	179.48	0.04
38.80	0.00	5,234	179.48	0.04
38.90	0.00	5,218	179.48	0.04
39.00	0.00	5,202	179.47	0.04
39.10	0.00	5,186	179.47	0.04
39.20	0.00	5,171	179.47	0.04
39.30	0.00	5,156	179.47	0.04
39.40	0.00	5,141	179.47	0.04
39.50	0.00	5,126	179.47	0.04
39.60	0.00	5,111	179.47	0.04
39.70	0.00	5,097	179.47	0.04
39.80	0.00	5,082	179.46	0.04
39.90	0.00	5,068	179.46	0.04
40.00	0.00	5,054	179.46	0.04

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679	180.56	12,264	17,920
180.05	11,750	11,796	180.57	12,275	18,043
180.06	11,760	11,914	180.58	12,285	18,166
180.07	11,771	12,031	180.59	12,295	18,288
180.08	11,781	12,149	180.60	12,305	18,411
180.09	11,791	12,267	180.61	12,315	18,535
180.10	11,801	12,385	180.62	12,325	18,658
180.11	11,811	12,503	180.63	12,335	18,781
180.12	11,821	12,621	180.64	12,345	18,904
180.13	11,831	12,740	180.65	12,355	19,028
180.14	11,841	12,858	180.66	12,365	19,152
180.15	11,851	12,976	180.67	12,375	19,275
180.16	11,861	13,095	180.68	12,385	19,399
180.17	11,871	13,214	180.69	12,396	19,523
180.18	11,881	13,332	180.70	12,406	19,647
180.19	11,892	13,451	180.71	12,416	19,771
180.20	11,902	13,570	180.72	12,426	19,895
180.21	11,912	13,689	180.73	12,436	20,020
180.22	11,922	13,808	180.74	12,446	20,144
180.23	11,932	13,928	180.75	12,456	20,269
180.24	11,942	14,047	180.76	12,466	20,393
180.25	11,952	14,167	180.77	12,476	20,518
180.26	11,962	14,286	180.78	12,486	20,643
180.27	11,972	14,406	180.79	12,496	20,768
180.28	11,982	14,526	180.80	12,506	20,893
180.29	11,992	14,645	180.81	12,516	21,018
180.30	12,002	14,765	180.82	12,527	21,143
180.31	12,012	14,885	180.83	12,537	21,268
180.32	12,023	15,006	180.84	12,547	21,394
180.33	12,033	15,126	180.85	12,557	21,519
180.34	12,043	15,246	180.86	12,567	21,645
180.35	12,053	15,367	180.87	12,577	21,770
180.36	12,063	15,487	180.88	12,587	21,896
180.37	12,073	15,608	180.89	12,597	22,022
180.38	12,083	15,729	180.90	12,607	22,148
180.39	12,093	15,850	180.91	12,617	22,274
180.40	12,103	15,971	180.92	12,627	22,401
180.41	12,113	16,092	180.93	12,637	22,527
180.42	12,123	16,213	180.94	12,648	22,653
180.43	12,133	16,334	180.95	12,658	22,780
180.44	12,144	16,456	180.96	12,668	22,906
180.45	12,154	16,577	180.97	12,678	23,033
180.46	12,164	16,699	180.98	12,688	23,160
180.47	12,174	16,820	180.99	12,698	23,287
180.48	12,184	16,942	181.00	12,708	23,414
180.49	12,194	17,064	181.01	12,718	23,541
180.50	12,204	17,186	181.02	12,729	23,668
180.51	12,214	17,308	181.03	12,739	23,796
180.52	12,224	17,430	181.04	12,749	23,923
180.53	12,234	17,553	181.05	12,760	24,051
180.54	12,244	17,675	181.06	12,770	24,178
180.55	12,254	17,797	181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

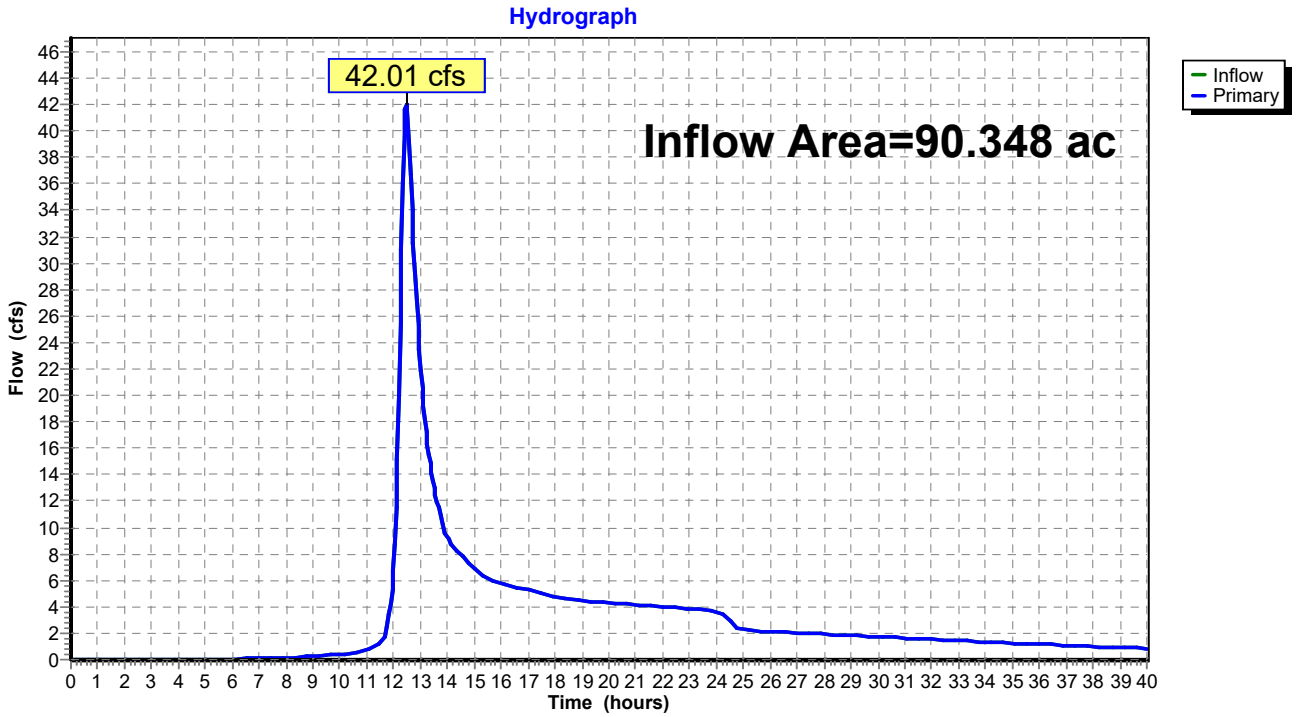
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth > 1.33" for Future 2 yr event
Inflow = 42.01 cfs @ 12.49 hrs, Volume= 9.989 af
Primary = 42.01 cfs @ 12.49 hrs, Volume= 9.989 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.01	0.00	0.01
1.80	0.00	0.00	0.00	4.40	0.01	0.00	0.01
1.85	0.00	0.00	0.00	4.45	0.01	0.00	0.01
1.90	0.00	0.00	0.00	4.50	0.01	0.00	0.01
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.02	0.00	0.02
2.15	0.00	0.00	0.00	4.75	0.02	0.00	0.02
2.20	0.00	0.00	0.00	4.80	0.02	0.00	0.02
2.25	0.00	0.00	0.00	4.85	0.02	0.00	0.02
2.30	0.00	0.00	0.00	4.90	0.02	0.00	0.02
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.03	0.00	0.03
2.45	0.00	0.00	0.00	5.05	0.03	0.00	0.03
2.50	0.00	0.00	0.00	5.10	0.03	0.00	0.03
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.15	0.00	0.15
5.25	0.03	0.00	0.03	7.85	0.16	0.00	0.16
5.30	0.04	0.00	0.04	7.90	0.16	0.00	0.16
5.35	0.04	0.00	0.04	7.95	0.16	0.00	0.16
5.40	0.04	0.00	0.04	8.00	0.17	0.00	0.17
5.45	0.04	0.00	0.04	8.05	0.17	0.00	0.17
5.50	0.04	0.00	0.04	8.10	0.17	0.00	0.17
5.55	0.04	0.00	0.04	8.15	0.18	0.00	0.18
5.60	0.05	0.00	0.05	8.20	0.18	0.00	0.18
5.65	0.05	0.00	0.05	8.25	0.18	0.00	0.18
5.70	0.05	0.00	0.05	8.30	0.19	0.00	0.19
5.75	0.05	0.00	0.05	8.35	0.19	0.00	0.19
5.80	0.05	0.00	0.05	8.40	0.19	0.00	0.19
5.85	0.05	0.00	0.05	8.45	0.20	0.00	0.20
5.90	0.06	0.00	0.06	8.50	0.20	0.00	0.20
5.95	0.06	0.00	0.06	8.55	0.21	0.00	0.21
6.00	0.06	0.00	0.06	8.60	0.21	0.00	0.21
6.05	0.06	0.00	0.06	8.65	0.21	0.00	0.21
6.10	0.06	0.00	0.06	8.70	0.22	0.00	0.22
6.15	0.06	0.00	0.06	8.75	0.22	0.00	0.22
6.20	0.07	0.00	0.07	8.80	0.22	0.00	0.22
6.25	0.07	0.00	0.07	8.85	0.23	0.00	0.23
6.30	0.07	0.00	0.07	8.90	0.23	0.00	0.23
6.35	0.07	0.00	0.07	8.95	0.24	0.00	0.24
6.40	0.07	0.00	0.07	9.00	0.24	0.00	0.24
6.45	0.08	0.00	0.08	9.05	0.24	0.00	0.24
6.50	0.08	0.00	0.08	9.10	0.25	0.00	0.25
6.55	0.08	0.00	0.08	9.15	0.25	0.00	0.25
6.60	0.08	0.00	0.08	9.20	0.26	0.00	0.26
6.65	0.08	0.00	0.08	9.25	0.26	0.00	0.26
6.70	0.09	0.00	0.09	9.30	0.27	0.00	0.27
6.75	0.09	0.00	0.09	9.35	0.27	0.00	0.27
6.80	0.09	0.00	0.09	9.40	0.28	0.00	0.28
6.85	0.09	0.00	0.09	9.45	0.29	0.00	0.29
6.90	0.10	0.00	0.10	9.50	0.30	0.00	0.30
6.95	0.10	0.00	0.10	9.55	0.30	0.00	0.30
7.00	0.10	0.00	0.10	9.60	0.31	0.00	0.31
7.05	0.11	0.00	0.11	9.65	0.32	0.00	0.32
7.10	0.11	0.00	0.11	9.70	0.33	0.00	0.33
7.15	0.11	0.00	0.11	9.75	0.34	0.00	0.34
7.20	0.11	0.00	0.11	9.80	0.35	0.00	0.35
7.25	0.12	0.00	0.12	9.85	0.36	0.00	0.36
7.30	0.12	0.00	0.12	9.90	0.37	0.00	0.37
7.35	0.12	0.00	0.12	9.95	0.38	0.00	0.38
7.40	0.13	0.00	0.13	10.00	0.40	0.00	0.40
7.45	0.13	0.00	0.13	10.05	0.41	0.00	0.41
7.50	0.13	0.00	0.13	10.10	0.42	0.00	0.42
7.55	0.14	0.00	0.14	10.15	0.43	0.00	0.43
7.60	0.14	0.00	0.14	10.20	0.44	0.00	0.44
7.65	0.14	0.00	0.14	10.25	0.45	0.00	0.45
7.70	0.15	0.00	0.15	10.30	0.47	0.00	0.47
7.75	0.15	0.00	0.15	10.35	0.48	0.00	0.48

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.49	0.00	0.49	13.00	21.93	0.00	21.93
10.45	0.50	0.00	0.50	13.05	20.52	0.00	20.52
10.50	0.51	0.00	0.51	13.10	19.28	0.00	19.28
10.55	0.53	0.00	0.53	13.15	18.19	0.00	18.19
10.60	0.54	0.00	0.54	13.20	17.23	0.00	17.23
10.65	0.55	0.00	0.55	13.25	16.35	0.00	16.35
10.70	0.57	0.00	0.57	13.30	15.55	0.00	15.55
10.75	0.59	0.00	0.59	13.35	14.83	0.00	14.83
10.80	0.61	0.00	0.61	13.40	14.16	0.00	14.16
10.85	0.63	0.00	0.63	13.45	13.54	0.00	13.54
10.90	0.66	0.00	0.66	13.50	12.99	0.00	12.99
10.95	0.69	0.00	0.69	13.55	12.47	0.00	12.47
11.00	0.72	0.00	0.72	13.60	11.99	0.00	11.99
11.05	0.75	0.00	0.75	13.65	11.55	0.00	11.55
11.10	0.79	0.00	0.79	13.70	11.13	0.00	11.13
11.15	0.83	0.00	0.83	13.75	10.73	0.00	10.73
11.20	0.87	0.00	0.87	13.80	10.37	0.00	10.37
11.25	0.92	0.00	0.92	13.85	10.03	0.00	10.03
11.30	0.97	0.00	0.97	13.90	9.74	0.00	9.74
11.35	1.03	0.00	1.03	13.95	9.47	0.00	9.47
11.40	1.10	0.00	1.10	14.00	9.24	0.00	9.24
11.45	1.17	0.00	1.17	14.05	9.04	0.00	9.04
11.50	1.26	0.00	1.26	14.10	8.86	0.00	8.86
11.55	1.37	0.00	1.37	14.15	8.71	0.00	8.71
11.60	1.51	0.00	1.51	14.20	8.57	0.00	8.57
11.65	1.69	0.00	1.69	14.25	8.44	0.00	8.44
11.70	1.93	0.00	1.93	14.30	8.31	0.00	8.31
11.75	2.27	0.00	2.27	14.35	8.20	0.00	8.20
11.80	2.74	0.00	2.74	14.40	8.10	0.00	8.10
11.85	3.39	0.00	3.39	14.45	7.99	0.00	7.99
11.90	4.24	0.00	4.24	14.50	7.89	0.00	7.89
11.95	5.34	0.00	5.34	14.55	7.80	0.00	7.80
12.00	6.79	0.00	6.79	14.60	7.70	0.00	7.70
12.05	8.76	0.00	8.76	14.65	7.60	0.00	7.60
12.10	11.48	0.00	11.48	14.70	7.51	0.00	7.51
12.15	15.17	0.00	15.17	14.75	7.42	0.00	7.42
12.20	19.90	0.00	19.90	14.80	7.33	0.00	7.33
12.25	25.41	0.00	25.41	14.85	7.23	0.00	7.23
12.30	31.08	0.00	31.08	14.90	7.15	0.00	7.15
12.35	36.11	0.00	36.11	14.95	7.06	0.00	7.06
12.40	39.63	0.00	39.63	15.00	6.96	0.00	6.96
12.45	41.57	0.00	41.57	15.05	6.88	0.00	6.88
12.50	**41.98**	0.00	**41.98**	15.10	6.79	0.00	6.79
12.55	41.07	0.00	41.07	15.15	6.70	0.00	6.70
12.60	39.17	0.00	39.17	15.20	6.61	0.00	6.61
12.65	36.70	0.00	36.70	15.25	6.53	0.00	6.53
12.70	34.05	0.00	34.05	15.30	6.44	0.00	6.44
12.75	31.60	0.00	31.60	15.35	6.36	0.00	6.36
12.80	29.33	0.00	29.33	15.40	6.29	0.00	6.29
12.85	27.22	0.00	27.22	15.45	6.22	0.00	6.22
12.90	25.27	0.00	25.27	15.50	6.16	0.00	6.16
12.95	23.50	0.00	23.50	15.55	6.11	0.00	6.11

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.06	0.00	6.06	18.20	4.69	0.00	4.69
15.65	6.02	0.00	6.02	18.25	4.66	0.00	4.66
15.70	5.98	0.00	5.98	18.30	4.64	0.00	4.64
15.75	5.95	0.00	5.95	18.35	4.62	0.00	4.62
15.80	5.91	0.00	5.91	18.40	4.60	0.00	4.60
15.85	5.88	0.00	5.88	18.45	4.58	0.00	4.58
15.90	5.85	0.00	5.85	18.50	4.56	0.00	4.56
15.95	5.82	0.00	5.82	18.55	4.55	0.00	4.55
16.00	5.79	0.00	5.79	18.60	4.54	0.00	4.54
16.05	5.76	0.00	5.76	18.65	4.52	0.00	4.52
16.10	5.74	0.00	5.74	18.70	4.51	0.00	4.51
16.15	5.71	0.00	5.71	18.75	4.50	0.00	4.50
16.20	5.68	0.00	5.68	18.80	4.49	0.00	4.49
16.25	5.66	0.00	5.66	18.85	4.49	0.00	4.49
16.30	5.63	0.00	5.63	18.90	4.48	0.00	4.48
16.35	5.61	0.00	5.61	18.95	4.47	0.00	4.47
16.40	5.58	0.00	5.58	19.00	4.46	0.00	4.46
16.45	5.56	0.00	5.56	19.05	4.45	0.00	4.45
16.50	5.53	0.00	5.53	19.10	4.45	0.00	4.45
16.55	5.51	0.00	5.51	19.15	4.44	0.00	4.44
16.60	5.48	0.00	5.48	19.20	4.43	0.00	4.43
16.65	5.46	0.00	5.46	19.25	4.42	0.00	4.42
16.70	5.43	0.00	5.43	19.30	4.42	0.00	4.42
16.75	5.40	0.00	5.40	19.35	4.41	0.00	4.41
16.80	5.38	0.00	5.38	19.40	4.40	0.00	4.40
16.85	5.35	0.00	5.35	19.45	4.39	0.00	4.39
16.90	5.33	0.00	5.33	19.50	4.39	0.00	4.39
16.95	5.30	0.00	5.30	19.55	4.38	0.00	4.38
17.00	5.28	0.00	5.28	19.60	4.37	0.00	4.37
17.05	5.25	0.00	5.25	19.65	4.37	0.00	4.37
17.10	5.22	0.00	5.22	19.70	4.36	0.00	4.36
17.15	5.20	0.00	5.20	19.75	4.35	0.00	4.35
17.20	5.18	0.00	5.18	19.80	4.34	0.00	4.34
17.25	5.15	0.00	5.15	19.85	4.34	0.00	4.34
17.30	5.13	0.00	5.13	19.90	4.33	0.00	4.33
17.35	5.10	0.00	5.10	19.95	4.32	0.00	4.32
17.40	5.08	0.00	5.08	20.00	4.32	0.00	4.32
17.45	5.05	0.00	5.05	20.05	4.31	0.00	4.31
17.50	5.03	0.00	5.03	20.10	4.30	0.00	4.30
17.55	5.00	0.00	5.00	20.15	4.30	0.00	4.30
17.60	4.98	0.00	4.98	20.20	4.29	0.00	4.29
17.65	4.96	0.00	4.96	20.25	4.28	0.00	4.28
17.70	4.93	0.00	4.93	20.30	4.27	0.00	4.27
17.75	4.91	0.00	4.91	20.35	4.27	0.00	4.27
17.80	4.88	0.00	4.88	20.40	4.26	0.00	4.26
17.85	4.86	0.00	4.86	20.45	4.25	0.00	4.25
17.90	4.84	0.00	4.84	20.50	4.24	0.00	4.24
17.95	4.81	0.00	4.81	20.55	4.24	0.00	4.24
18.00	4.79	0.00	4.79	20.60	4.23	0.00	4.23
18.05	4.76	0.00	4.76	20.65	4.22	0.00	4.22
18.10	4.74	0.00	4.74	20.70	4.21	0.00	4.21
18.15	4.71	0.00	4.71	20.75	4.21	0.00	4.21

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.20	0.00	4.20	23.40	3.79	0.00	3.79
20.85	4.19	0.00	4.19	23.45	3.78	0.00	3.78
20.90	4.19	0.00	4.19	23.50	3.77	0.00	3.77
20.95	4.18	0.00	4.18	23.55	3.76	0.00	3.76
21.00	4.17	0.00	4.17	23.60	3.76	0.00	3.76
21.05	4.16	0.00	4.16	23.65	3.75	0.00	3.75
21.10	4.16	0.00	4.16	23.70	3.74	0.00	3.74
21.15	4.15	0.00	4.15	23.75	3.73	0.00	3.73
21.20	4.14	0.00	4.14	23.80	3.72	0.00	3.72
21.25	4.13	0.00	4.13	23.85	3.71	0.00	3.71
21.30	4.12	0.00	4.12	23.90	3.71	0.00	3.71
21.35	4.12	0.00	4.12	23.95	3.70	0.00	3.70
21.40	4.11	0.00	4.11	24.00	3.69	0.00	3.69
21.45	4.10	0.00	4.10	24.05	3.69	0.00	3.69
21.50	4.09	0.00	4.09	24.10	3.68	0.00	3.68
21.55	4.09	0.00	4.09	24.15	3.66	0.00	3.66
21.60	4.08	0.00	4.08	24.20	3.62	0.00	3.62
21.65	4.07	0.00	4.07	24.25	3.54	0.00	3.54
21.70	4.06	0.00	4.06	24.30	3.43	0.00	3.43
21.75	4.06	0.00	4.06	24.35	3.30	0.00	3.30
21.80	4.05	0.00	4.05	24.40	3.14	0.00	3.14
21.85	4.04	0.00	4.04	24.45	2.99	0.00	2.99
21.90	4.03	0.00	4.03	24.50	2.85	0.00	2.85
21.95	4.02	0.00	4.02	24.55	2.72	0.00	2.72
22.00	4.02	0.00	4.02	24.60	2.62	0.00	2.62
22.05	4.01	0.00	4.01	24.65	2.53	0.00	2.53
22.10	4.00	0.00	4.00	24.70	2.47	0.00	2.47
22.15	3.99	0.00	3.99	24.75	2.41	0.00	2.41
22.20	3.98	0.00	3.98	24.80	2.37	0.00	2.37
22.25	3.98	0.00	3.98	24.85	2.34	0.00	2.34
22.30	3.97	0.00	3.97	24.90	2.31	0.00	2.31
22.35	3.96	0.00	3.96	24.95	2.28	0.00	2.28
22.40	3.95	0.00	3.95	25.00	2.26	0.00	2.26
22.45	3.95	0.00	3.95	25.05	2.25	0.00	2.25
22.50	3.94	0.00	3.94	25.10	2.23	0.00	2.23
22.55	3.93	0.00	3.93	25.15	2.22	0.00	2.22
22.60	3.92	0.00	3.92	25.20	2.21	0.00	2.21
22.65	3.91	0.00	3.91	25.25	2.20	0.00	2.20
22.70	3.90	0.00	3.90	25.30	2.19	0.00	2.19
22.75	3.90	0.00	3.90	25.35	2.18	0.00	2.18
22.80	3.89	0.00	3.89	25.40	2.18	0.00	2.18
22.85	3.88	0.00	3.88	25.45	2.17	0.00	2.17
22.90	3.87	0.00	3.87	25.50	2.16	0.00	2.16
22.95	3.86	0.00	3.86	25.55	2.16	0.00	2.16
23.00	3.86	0.00	3.86	25.60	2.15	0.00	2.15
23.05	3.85	0.00	3.85	25.65	2.15	0.00	2.15
23.10	3.84	0.00	3.84	25.70	2.14	0.00	2.14
23.15	3.83	0.00	3.83	25.75	2.14	0.00	2.14
23.20	3.82	0.00	3.82	25.80	2.13	0.00	2.13
23.25	3.81	0.00	3.81	25.85	2.13	0.00	2.13
23.30	3.81	0.00	3.81	25.90	2.12	0.00	2.12
23.35	3.80	0.00	3.80	25.95	2.12	0.00	2.12

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	2.11	0.00	2.11	28.60	1.86	0.00	1.86
26.05	2.11	0.00	2.11	28.65	1.86	0.00	1.86
26.10	2.10	0.00	2.10	28.70	1.85	0.00	1.85
26.15	2.10	0.00	2.10	28.75	1.85	0.00	1.85
26.20	2.09	0.00	2.09	28.80	1.84	0.00	1.84
26.25	2.09	0.00	2.09	28.85	1.84	0.00	1.84
26.30	2.08	0.00	2.08	28.90	1.83	0.00	1.83
26.35	2.08	0.00	2.08	28.95	1.83	0.00	1.83
26.40	2.07	0.00	2.07	29.00	1.82	0.00	1.82
26.45	2.07	0.00	2.07	29.05	1.82	0.00	1.82
26.50	2.06	0.00	2.06	29.10	1.81	0.00	1.81
26.55	2.06	0.00	2.06	29.15	1.81	0.00	1.81
26.60	2.05	0.00	2.05	29.20	1.80	0.00	1.80
26.65	2.05	0.00	2.05	29.25	1.80	0.00	1.80
26.70	2.04	0.00	2.04	29.30	1.79	0.00	1.79
26.75	2.04	0.00	2.04	29.35	1.79	0.00	1.79
26.80	2.03	0.00	2.03	29.40	1.78	0.00	1.78
26.85	2.03	0.00	2.03	29.45	1.78	0.00	1.78
26.90	2.02	0.00	2.02	29.50	1.77	0.00	1.77
26.95	2.02	0.00	2.02	29.55	1.77	0.00	1.77
27.00	2.02	0.00	2.02	29.60	1.76	0.00	1.76
27.05	2.01	0.00	2.01	29.65	1.76	0.00	1.76
27.10	2.01	0.00	2.01	29.70	1.75	0.00	1.75
27.15	2.00	0.00	2.00	29.75	1.75	0.00	1.75
27.20	2.00	0.00	2.00	29.80	1.74	0.00	1.74
27.25	1.99	0.00	1.99	29.85	1.74	0.00	1.74
27.30	1.99	0.00	1.99	29.90	1.74	0.00	1.74
27.35	1.98	0.00	1.98	29.95	1.73	0.00	1.73
27.40	1.98	0.00	1.98	30.00	1.73	0.00	1.73
27.45	1.97	0.00	1.97	30.05	1.72	0.00	1.72
27.50	1.97	0.00	1.97	30.10	1.72	0.00	1.72
27.55	1.96	0.00	1.96	30.15	1.71	0.00	1.71
27.60	1.96	0.00	1.96	30.20	1.71	0.00	1.71
27.65	1.95	0.00	1.95	30.25	1.70	0.00	1.70
27.70	1.95	0.00	1.95	30.30	1.70	0.00	1.70
27.75	1.94	0.00	1.94	30.35	1.69	0.00	1.69
27.80	1.94	0.00	1.94	30.40	1.69	0.00	1.69
27.85	1.93	0.00	1.93	30.45	1.68	0.00	1.68
27.90	1.93	0.00	1.93	30.50	1.68	0.00	1.68
27.95	1.92	0.00	1.92	30.55	1.67	0.00	1.67
28.00	1.92	0.00	1.92	30.60	1.67	0.00	1.67
28.05	1.91	0.00	1.91	30.65	1.66	0.00	1.66
28.10	1.91	0.00	1.91	30.70	1.66	0.00	1.66
28.15	1.90	0.00	1.90	30.75	1.65	0.00	1.65
28.20	1.90	0.00	1.90	30.80	1.65	0.00	1.65
28.25	1.89	0.00	1.89	30.85	1.64	0.00	1.64
28.30	1.89	0.00	1.89	30.90	1.64	0.00	1.64
28.35	1.89	0.00	1.89	30.95	1.63	0.00	1.63
28.40	1.88	0.00	1.88	31.00	1.63	0.00	1.63
28.45	1.88	0.00	1.88	31.05	1.62	0.00	1.62
28.50	1.87	0.00	1.87	31.10	1.62	0.00	1.62
28.55	1.87	0.00	1.87	31.15	1.61	0.00	1.61

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	1.61	0.00	1.61	33.80	1.36	0.00	1.36
31.25	1.60	0.00	1.60	33.85	1.36	0.00	1.36
31.30	1.60	0.00	1.60	33.90	1.35	0.00	1.35
31.35	1.59	0.00	1.59	33.95	1.35	0.00	1.35
31.40	1.59	0.00	1.59	34.00	1.34	0.00	1.34
31.45	1.58	0.00	1.58	34.05	1.34	0.00	1.34
31.50	1.58	0.00	1.58	34.10	1.33	0.00	1.33
31.55	1.57	0.00	1.57	34.15	1.33	0.00	1.33
31.60	1.57	0.00	1.57	34.20	1.32	0.00	1.32
31.65	1.56	0.00	1.56	34.25	1.32	0.00	1.32
31.70	1.56	0.00	1.56	34.30	1.32	0.00	1.32
31.75	1.56	0.00	1.56	34.35	1.31	0.00	1.31
31.80	1.55	0.00	1.55	34.40	1.31	0.00	1.31
31.85	1.55	0.00	1.55	34.45	1.30	0.00	1.30
31.90	1.54	0.00	1.54	34.50	1.30	0.00	1.30
31.95	1.54	0.00	1.54	34.55	1.29	0.00	1.29
32.00	1.53	0.00	1.53	34.60	1.29	0.00	1.29
32.05	1.53	0.00	1.53	34.65	1.28	0.00	1.28
32.10	1.52	0.00	1.52	34.70	1.28	0.00	1.28
32.15	1.52	0.00	1.52	34.75	1.28	0.00	1.28
32.20	1.51	0.00	1.51	34.80	1.27	0.00	1.27
32.25	1.51	0.00	1.51	34.85	1.27	0.00	1.27
32.30	1.50	0.00	1.50	34.90	1.26	0.00	1.26
32.35	1.50	0.00	1.50	34.95	1.26	0.00	1.26
32.40	1.49	0.00	1.49	35.00	1.25	0.00	1.25
32.45	1.49	0.00	1.49	35.05	1.25	0.00	1.25
32.50	1.48	0.00	1.48	35.10	1.24	0.00	1.24
32.55	1.48	0.00	1.48	35.15	1.24	0.00	1.24
32.60	1.47	0.00	1.47	35.20	1.24	0.00	1.24
32.65	1.47	0.00	1.47	35.25	1.23	0.00	1.23
32.70	1.46	0.00	1.46	35.30	1.23	0.00	1.23
32.75	1.46	0.00	1.46	35.35	1.22	0.00	1.22
32.80	1.45	0.00	1.45	35.40	1.22	0.00	1.22
32.85	1.45	0.00	1.45	35.45	1.21	0.00	1.21
32.90	1.45	0.00	1.45	35.50	1.21	0.00	1.21
32.95	1.44	0.00	1.44	35.55	1.20	0.00	1.20
33.00	1.44	0.00	1.44	35.60	1.20	0.00	1.20
33.05	1.43	0.00	1.43	35.65	1.20	0.00	1.20
33.10	1.43	0.00	1.43	35.70	1.19	0.00	1.19
33.15	1.42	0.00	1.42	35.75	1.19	0.00	1.19
33.20	1.42	0.00	1.42	35.80	1.18	0.00	1.18
33.25	1.41	0.00	1.41	35.85	1.18	0.00	1.18
33.30	1.41	0.00	1.41	35.90	1.17	0.00	1.17
33.35	1.40	0.00	1.40	35.95	1.17	0.00	1.17
33.40	1.40	0.00	1.40	36.00	1.17	0.00	1.17
33.45	1.39	0.00	1.39	36.05	1.16	0.00	1.16
33.50	1.39	0.00	1.39	36.10	1.16	0.00	1.16
33.55	1.38	0.00	1.38	36.15	1.15	0.00	1.15
33.60	1.38	0.00	1.38	36.20	1.15	0.00	1.15
33.65	1.38	0.00	1.38	36.25	1.14	0.00	1.14
33.70	1.37	0.00	1.37	36.30	1.14	0.00	1.14
33.75	1.37	0.00	1.37	36.35	1.14	0.00	1.14

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

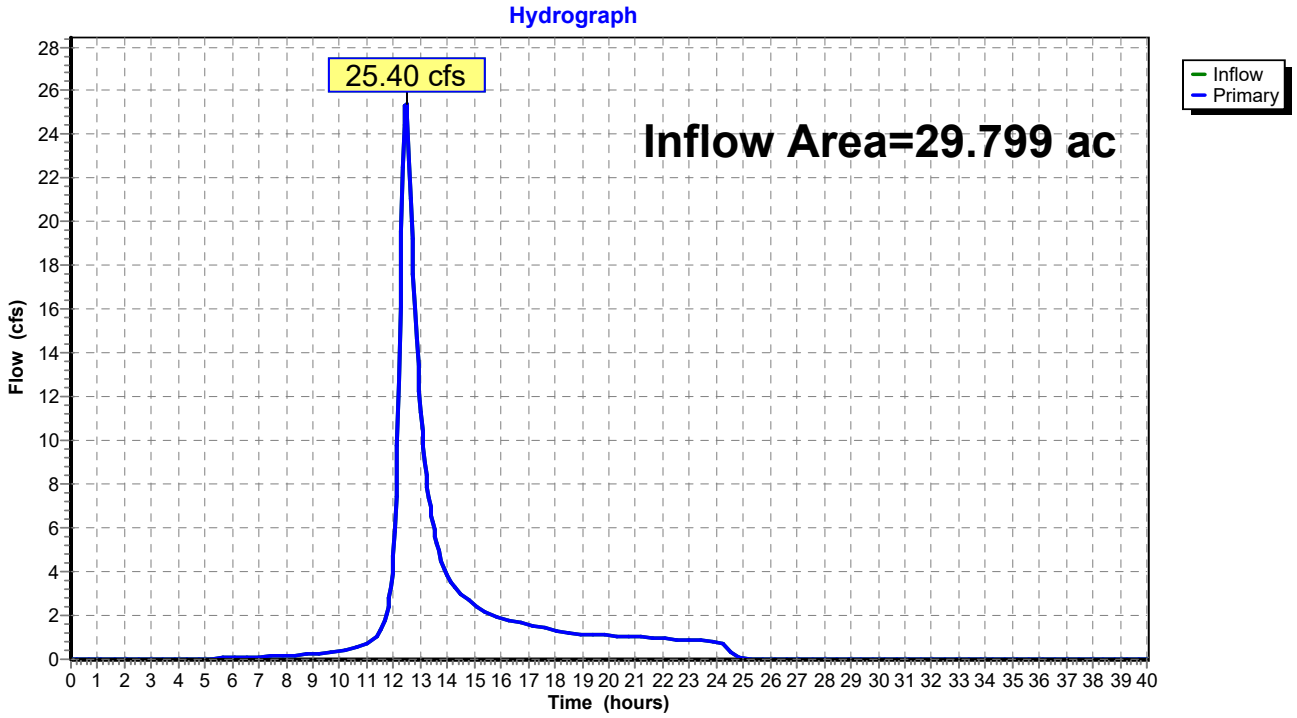
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	1.13	0.00	1.13
36.45	1.13	0.00	1.13
36.50	1.12	0.00	1.12
36.55	1.12	0.00	1.12
36.60	1.11	0.00	1.11
36.65	1.11	0.00	1.11
36.70	1.11	0.00	1.11
36.75	1.10	0.00	1.10
36.80	1.10	0.00	1.10
36.85	1.09	0.00	1.09
36.90	1.09	0.00	1.09
36.95	1.09	0.00	1.09
37.00	1.08	0.00	1.08
37.05	1.08	0.00	1.08
37.10	1.07	0.00	1.07
37.15	1.07	0.00	1.07
37.20	1.06	0.00	1.06
37.25	1.06	0.00	1.06
37.30	1.06	0.00	1.06
37.35	1.05	0.00	1.05
37.40	1.05	0.00	1.05
37.45	1.04	0.00	1.04
37.50	1.04	0.00	1.04
37.55	1.03	0.00	1.03
37.60	1.03	0.00	1.03
37.65	1.03	0.00	1.03
37.70	1.02	0.00	1.02
37.75	1.02	0.00	1.02
37.80	1.01	0.00	1.01
37.85	1.01	0.00	1.01
37.90	1.01	0.00	1.01
37.95	1.00	0.00	1.00
38.00	1.00	0.00	1.00
38.05	0.99	0.00	0.99
38.10	0.99	0.00	0.99
38.15	0.98	0.00	0.98
38.20	0.98	0.00	0.98
38.25	0.98	0.00	0.98
38.30	0.97	0.00	0.97
38.35	0.97	0.00	0.97
38.40	0.96	0.00	0.96
38.45	0.96	0.00	0.96
38.50	0.96	0.00	0.96
38.55	0.95	0.00	0.95
38.60	0.95	0.00	0.95
38.65	0.94	0.00	0.94
38.70	0.94	0.00	0.94
38.75	0.94	0.00	0.94
38.80	0.93	0.00	0.93
38.85	0.93	0.00	0.93
38.90	0.92	0.00	0.92
38.95	0.92	0.00	0.92
39.00	0.91	0.00	0.91
39.05	0.91	0.00	0.91
39.10	0.91	0.00	0.91
39.15	0.90	0.00	0.90
39.20	0.90	0.00	0.90
39.25	0.89	0.00	0.89
39.30	0.89	0.00	0.89
39.35	0.89	0.00	0.89
39.40	0.88	0.00	0.88
39.45	0.88	0.00	0.88
39.50	0.87	0.00	0.87
39.55	0.87	0.00	0.87
39.60	0.87	0.00	0.87
39.65	0.86	0.00	0.86
39.70	0.86	0.00	0.86
39.75	0.86	0.00	0.86
39.80	0.85	0.00	0.85
39.85	0.85	0.00	0.85
39.90	0.84	0.00	0.84
39.95	0.84	0.00	0.84
40.00	0.84	0.00	0.84

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 1.37" for Future 2 yr event
Inflow = 25.40 cfs @ 12.47 hrs, Volume= 3.401 af
Primary = 25.40 cfs @ 12.47 hrs, Volume= 3.401 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.01	0.00	0.01
1.80	0.00	0.00	0.00	4.40	0.01	0.00	0.01
1.85	0.00	0.00	0.00	4.45	0.01	0.00	0.01
1.90	0.00	0.00	0.00	4.50	0.01	0.00	0.01
1.95	0.00	0.00	0.00	4.55	0.01	0.00	0.01
2.00	0.00	0.00	0.00	4.60	0.01	0.00	0.01
2.05	0.00	0.00	0.00	4.65	0.01	0.00	0.01
2.10	0.00	0.00	0.00	4.70	0.02	0.00	0.02
2.15	0.00	0.00	0.00	4.75	0.02	0.00	0.02
2.20	0.00	0.00	0.00	4.80	0.02	0.00	0.02
2.25	0.00	0.00	0.00	4.85	0.02	0.00	0.02
2.30	0.00	0.00	0.00	4.90	0.02	0.00	0.02
2.35	0.00	0.00	0.00	4.95	0.02	0.00	0.02
2.40	0.00	0.00	0.00	5.00	0.03	0.00	0.03
2.45	0.00	0.00	0.00	5.05	0.03	0.00	0.03
2.50	0.00	0.00	0.00	5.10	0.03	0.00	0.03
2.55	0.00	0.00	0.00	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.15	0.00	0.15
5.25	0.03	0.00	0.03	7.85	0.16	0.00	0.16
5.30	0.04	0.00	0.04	7.90	0.16	0.00	0.16
5.35	0.04	0.00	0.04	7.95	0.16	0.00	0.16
5.40	0.04	0.00	0.04	8.00	0.17	0.00	0.17
5.45	0.04	0.00	0.04	8.05	0.17	0.00	0.17
5.50	0.04	0.00	0.04	8.10	0.17	0.00	0.17
5.55	0.04	0.00	0.04	8.15	0.18	0.00	0.18
5.60	0.05	0.00	0.05	8.20	0.18	0.00	0.18
5.65	0.05	0.00	0.05	8.25	0.18	0.00	0.18
5.70	0.05	0.00	0.05	8.30	0.19	0.00	0.19
5.75	0.05	0.00	0.05	8.35	0.19	0.00	0.19
5.80	0.05	0.00	0.05	8.40	0.19	0.00	0.19
5.85	0.05	0.00	0.05	8.45	0.20	0.00	0.20
5.90	0.06	0.00	0.06	8.50	0.20	0.00	0.20
5.95	0.06	0.00	0.06	8.55	0.21	0.00	0.21
6.00	0.06	0.00	0.06	8.60	0.21	0.00	0.21
6.05	0.06	0.00	0.06	8.65	0.21	0.00	0.21
6.10	0.06	0.00	0.06	8.70	0.22	0.00	0.22
6.15	0.06	0.00	0.06	8.75	0.22	0.00	0.22
6.20	0.07	0.00	0.07	8.80	0.22	0.00	0.22
6.25	0.07	0.00	0.07	8.85	0.23	0.00	0.23
6.30	0.07	0.00	0.07	8.90	0.23	0.00	0.23
6.35	0.07	0.00	0.07	8.95	0.24	0.00	0.24
6.40	0.07	0.00	0.07	9.00	0.24	0.00	0.24
6.45	0.08	0.00	0.08	9.05	0.24	0.00	0.24
6.50	0.08	0.00	0.08	9.10	0.25	0.00	0.25
6.55	0.08	0.00	0.08	9.15	0.25	0.00	0.25
6.60	0.08	0.00	0.08	9.20	0.26	0.00	0.26
6.65	0.08	0.00	0.08	9.25	0.26	0.00	0.26
6.70	0.09	0.00	0.09	9.30	0.27	0.00	0.27
6.75	0.09	0.00	0.09	9.35	0.27	0.00	0.27
6.80	0.09	0.00	0.09	9.40	0.28	0.00	0.28
6.85	0.09	0.00	0.09	9.45	0.29	0.00	0.29
6.90	0.10	0.00	0.10	9.50	0.30	0.00	0.30
6.95	0.10	0.00	0.10	9.55	0.30	0.00	0.30
7.00	0.10	0.00	0.10	9.60	0.31	0.00	0.31
7.05	0.11	0.00	0.11	9.65	0.32	0.00	0.32
7.10	0.11	0.00	0.11	9.70	0.33	0.00	0.33
7.15	0.11	0.00	0.11	9.75	0.34	0.00	0.34
7.20	0.11	0.00	0.11	9.80	0.35	0.00	0.35
7.25	0.12	0.00	0.12	9.85	0.36	0.00	0.36
7.30	0.12	0.00	0.12	9.90	0.37	0.00	0.37
7.35	0.12	0.00	0.12	9.95	0.38	0.00	0.38
7.40	0.13	0.00	0.13	10.00	0.40	0.00	0.40
7.45	0.13	0.00	0.13	10.05	0.41	0.00	0.41
7.50	0.13	0.00	0.13	10.10	0.42	0.00	0.42
7.55	0.14	0.00	0.14	10.15	0.43	0.00	0.43
7.60	0.14	0.00	0.14	10.20	0.44	0.00	0.44
7.65	0.14	0.00	0.14	10.25	0.45	0.00	0.45
7.70	0.15	0.00	0.15	10.30	0.47	0.00	0.47
7.75	0.15	0.00	0.15	10.35	0.48	0.00	0.48

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.49	0.00	0.49	13.00	11.31	0.00	11.31
10.45	0.50	0.00	0.50	13.05	10.43	0.00	10.43
10.50	0.51	0.00	0.51	13.10	9.66	0.00	9.66
10.55	0.53	0.00	0.53	13.15	9.00	0.00	9.00
10.60	0.54	0.00	0.54	13.20	8.41	0.00	8.41
10.65	0.55	0.00	0.55	13.25	7.87	0.00	7.87
10.70	0.57	0.00	0.57	13.30	7.40	0.00	7.40
10.75	0.59	0.00	0.59	13.35	6.97	0.00	6.97
10.80	0.61	0.00	0.61	13.40	6.57	0.00	6.57
10.85	0.63	0.00	0.63	13.45	6.21	0.00	6.21
10.90	0.66	0.00	0.66	13.50	5.89	0.00	5.89
10.95	0.69	0.00	0.69	13.55	5.59	0.00	5.59
11.00	0.72	0.00	0.72	13.60	5.32	0.00	5.32
11.05	0.75	0.00	0.75	13.65	5.07	0.00	5.07
11.10	0.79	0.00	0.79	13.70	4.83	0.00	4.83
11.15	0.83	0.00	0.83	13.75	4.60	0.00	4.60
11.20	0.87	0.00	0.87	13.80	4.39	0.00	4.39
11.25	0.92	0.00	0.92	13.85	4.19	0.00	4.19
11.30	0.97	0.00	0.97	13.90	4.02	0.00	4.02
11.35	1.03	0.00	1.03	13.95	3.87	0.00	3.87
11.40	1.10	0.00	1.10	14.00	3.74	0.00	3.74
11.45	1.17	0.00	1.17	14.05	3.63	0.00	3.63
11.50	1.26	0.00	1.26	14.10	3.53	0.00	3.53
11.55	1.37	0.00	1.37	14.15	3.44	0.00	3.44
11.60	1.50	0.00	1.50	14.20	3.36	0.00	3.36
11.65	1.66	0.00	1.66	14.25	3.29	0.00	3.29
11.70	1.86	0.00	1.86	14.30	3.22	0.00	3.22
11.75	2.11	0.00	2.11	14.35	3.16	0.00	3.16
11.80	2.43	0.00	2.43	14.40	3.10	0.00	3.10
11.85	2.83	0.00	2.83	14.45	3.05	0.00	3.05
11.90	3.32	0.00	3.32	14.50	2.99	0.00	2.99
11.95	3.94	0.00	3.94	14.55	2.94	0.00	2.94
12.00	4.76	0.00	4.76	14.60	2.89	0.00	2.89
12.05	5.89	0.00	5.89	14.65	2.84	0.00	2.84
12.10	7.49	0.00	7.49	14.70	2.79	0.00	2.79
12.15	9.74	0.00	9.74	14.75	2.74	0.00	2.74
12.20	12.69	0.00	12.69	14.80	2.69	0.00	2.69
12.25	16.10	0.00	16.10	14.85	2.64	0.00	2.64
12.30	19.58	0.00	19.58	14.90	2.59	0.00	2.59
12.35	22.54	0.00	22.54	14.95	2.54	0.00	2.54
12.40	24.46	0.00	24.46	15.00	2.49	0.00	2.49
12.45	**25.33**	0.00	**25.33**	15.05	2.45	0.00	2.45
12.50	25.20	0.00	25.20	15.10	2.40	0.00	2.40
12.55	24.28	0.00	24.28	15.15	2.35	0.00	2.35
12.60	22.82	0.00	22.82	15.20	2.30	0.00	2.30
12.65	21.06	0.00	21.06	15.25	2.25	0.00	2.25
12.70	19.24	0.00	19.24	15.30	2.20	0.00	2.20
12.75	17.59	0.00	17.59	15.35	2.16	0.00	2.16
12.80	16.08	0.00	16.08	15.40	2.12	0.00	2.12
12.85	14.69	0.00	14.69	15.45	2.08	0.00	2.08
12.90	13.43	0.00	13.43	15.50	2.05	0.00	2.05
12.95	12.30	0.00	12.30	15.55	2.02	0.00	2.02

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.00	0.00	2.00	18.20	1.27	0.00	1.27
15.65	1.97	0.00	1.97	18.25	1.26	0.00	1.26
15.70	1.95	0.00	1.95	18.30	1.24	0.00	1.24
15.75	1.94	0.00	1.94	18.35	1.23	0.00	1.23
15.80	1.92	0.00	1.92	18.40	1.22	0.00	1.22
15.85	1.90	0.00	1.90	18.45	1.21	0.00	1.21
15.90	1.89	0.00	1.89	18.50	1.20	0.00	1.20
15.95	1.87	0.00	1.87	18.55	1.19	0.00	1.19
16.00	1.86	0.00	1.86	18.60	1.19	0.00	1.19
16.05	1.84	0.00	1.84	18.65	1.18	0.00	1.18
16.10	1.83	0.00	1.83	18.70	1.18	0.00	1.18
16.15	1.81	0.00	1.81	18.75	1.17	0.00	1.17
16.20	1.80	0.00	1.80	18.80	1.17	0.00	1.17
16.25	1.79	0.00	1.79	18.85	1.16	0.00	1.16
16.30	1.78	0.00	1.78	18.90	1.16	0.00	1.16
16.35	1.76	0.00	1.76	18.95	1.15	0.00	1.15
16.40	1.75	0.00	1.75	19.00	1.15	0.00	1.15
16.45	1.74	0.00	1.74	19.05	1.15	0.00	1.15
16.50	1.72	0.00	1.72	19.10	1.14	0.00	1.14
16.55	1.71	0.00	1.71	19.15	1.14	0.00	1.14
16.60	1.70	0.00	1.70	19.20	1.14	0.00	1.14
16.65	1.68	0.00	1.68	19.25	1.13	0.00	1.13
16.70	1.67	0.00	1.67	19.30	1.13	0.00	1.13
16.75	1.66	0.00	1.66	19.35	1.13	0.00	1.13
16.80	1.65	0.00	1.65	19.40	1.12	0.00	1.12
16.85	1.63	0.00	1.63	19.45	1.12	0.00	1.12
16.90	1.62	0.00	1.62	19.50	1.12	0.00	1.12
16.95	1.61	0.00	1.61	19.55	1.11	0.00	1.11
17.00	1.59	0.00	1.59	19.60	1.11	0.00	1.11
17.05	1.58	0.00	1.58	19.65	1.11	0.00	1.11
17.10	1.57	0.00	1.57	19.70	1.10	0.00	1.10
17.15	1.55	0.00	1.55	19.75	1.10	0.00	1.10
17.20	1.54	0.00	1.54	19.80	1.10	0.00	1.10
17.25	1.53	0.00	1.53	19.85	1.09	0.00	1.09
17.30	1.52	0.00	1.52	19.90	1.09	0.00	1.09
17.35	1.50	0.00	1.50	19.95	1.09	0.00	1.09
17.40	1.49	0.00	1.49	20.00	1.08	0.00	1.08
17.45	1.47	0.00	1.47	20.05	1.08	0.00	1.08
17.50	1.46	0.00	1.46	20.10	1.08	0.00	1.08
17.55	1.45	0.00	1.45	20.15	1.08	0.00	1.08
17.60	1.43	0.00	1.43	20.20	1.07	0.00	1.07
17.65	1.42	0.00	1.42	20.25	1.07	0.00	1.07
17.70	1.41	0.00	1.41	20.30	1.07	0.00	1.07
17.75	1.39	0.00	1.39	20.35	1.06	0.00	1.06
17.80	1.38	0.00	1.38	20.40	1.06	0.00	1.06
17.85	1.37	0.00	1.37	20.45	1.06	0.00	1.06
17.90	1.35	0.00	1.35	20.50	1.05	0.00	1.05
17.95	1.34	0.00	1.34	20.55	1.05	0.00	1.05
18.00	1.33	0.00	1.33	20.60	1.05	0.00	1.05
18.05	1.31	0.00	1.31	20.65	1.04	0.00	1.04
18.10	1.30	0.00	1.30	20.70	1.04	0.00	1.04
18.15	1.28	0.00	1.28	20.75	1.04	0.00	1.04

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.03	0.00	1.03	23.40	0.85	0.00	0.85
20.85	1.03	0.00	1.03	23.45	0.85	0.00	0.85
20.90	1.03	0.00	1.03	23.50	0.85	0.00	0.85
20.95	1.02	0.00	1.02	23.55	0.84	0.00	0.84
21.00	1.02	0.00	1.02	23.60	0.84	0.00	0.84
21.05	1.02	0.00	1.02	23.65	0.84	0.00	0.84
21.10	1.01	0.00	1.01	23.70	0.83	0.00	0.83
21.15	1.01	0.00	1.01	23.75	0.83	0.00	0.83
21.20	1.01	0.00	1.01	23.80	0.83	0.00	0.83
21.25	1.00	0.00	1.00	23.85	0.82	0.00	0.82
21.30	1.00	0.00	1.00	23.90	0.82	0.00	0.82
21.35	0.99	0.00	0.99	23.95	0.82	0.00	0.82
21.40	0.99	0.00	0.99	24.00	0.81	0.00	0.81
21.45	0.99	0.00	0.99	24.05	0.81	0.00	0.81
21.50	0.99	0.00	0.99	24.10	0.81	0.00	0.81
21.55	0.98	0.00	0.98	24.15	0.80	0.00	0.80
21.60	0.98	0.00	0.98	24.20	0.78	0.00	0.78
21.65	0.98	0.00	0.98	24.25	0.74	0.00	0.74
21.70	0.97	0.00	0.97	24.30	0.68	0.00	0.68
21.75	0.97	0.00	0.97	24.35	0.60	0.00	0.60
21.80	0.97	0.00	0.97	24.40	0.51	0.00	0.51
21.85	0.96	0.00	0.96	24.45	0.43	0.00	0.43
21.90	0.96	0.00	0.96	24.50	0.35	0.00	0.35
21.95	0.96	0.00	0.96	24.55	0.28	0.00	0.28
22.00	0.95	0.00	0.95	24.60	0.22	0.00	0.22
22.05	0.95	0.00	0.95	24.65	0.17	0.00	0.17
22.10	0.95	0.00	0.95	24.70	0.14	0.00	0.14
22.15	0.94	0.00	0.94	24.75	0.11	0.00	0.11
22.20	0.94	0.00	0.94	24.80	0.09	0.00	0.09
22.25	0.93	0.00	0.93	24.85	0.07	0.00	0.07
22.30	0.93	0.00	0.93	24.90	0.05	0.00	0.05
22.35	0.93	0.00	0.93	24.95	0.04	0.00	0.04
22.40	0.92	0.00	0.92	25.00	0.03	0.00	0.03
22.45	0.92	0.00	0.92	25.05	0.03	0.00	0.03
22.50	0.92	0.00	0.92	25.10	0.02	0.00	0.02
22.55	0.91	0.00	0.91	25.15	0.02	0.00	0.02
22.60	0.91	0.00	0.91	25.20	0.01	0.00	0.01
22.65	0.91	0.00	0.91	25.25	0.01	0.00	0.01
22.70	0.90	0.00	0.90	25.30	0.01	0.00	0.01
22.75	0.90	0.00	0.90	25.35	0.01	0.00	0.01
22.80	0.90	0.00	0.90	25.40	0.00	0.00	0.00
22.85	0.89	0.00	0.89	25.45	0.00	0.00	0.00
22.90	0.89	0.00	0.89	25.50	0.00	0.00	0.00
22.95	0.89	0.00	0.89	25.55	0.00	0.00	0.00
23.00	0.88	0.00	0.88	25.60	0.00	0.00	0.00
23.05	0.88	0.00	0.88	25.65	0.00	0.00	0.00
23.10	0.88	0.00	0.88	25.70	0.00	0.00	0.00
23.15	0.87	0.00	0.87	25.75	0.00	0.00	0.00
23.20	0.87	0.00	0.87	25.80	0.00	0.00	0.00
23.25	0.87	0.00	0.87	25.85	0.00	0.00	0.00
23.30	0.86	0.00	0.86	25.90	0.00	0.00	0.00
23.35	0.86	0.00	0.86	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

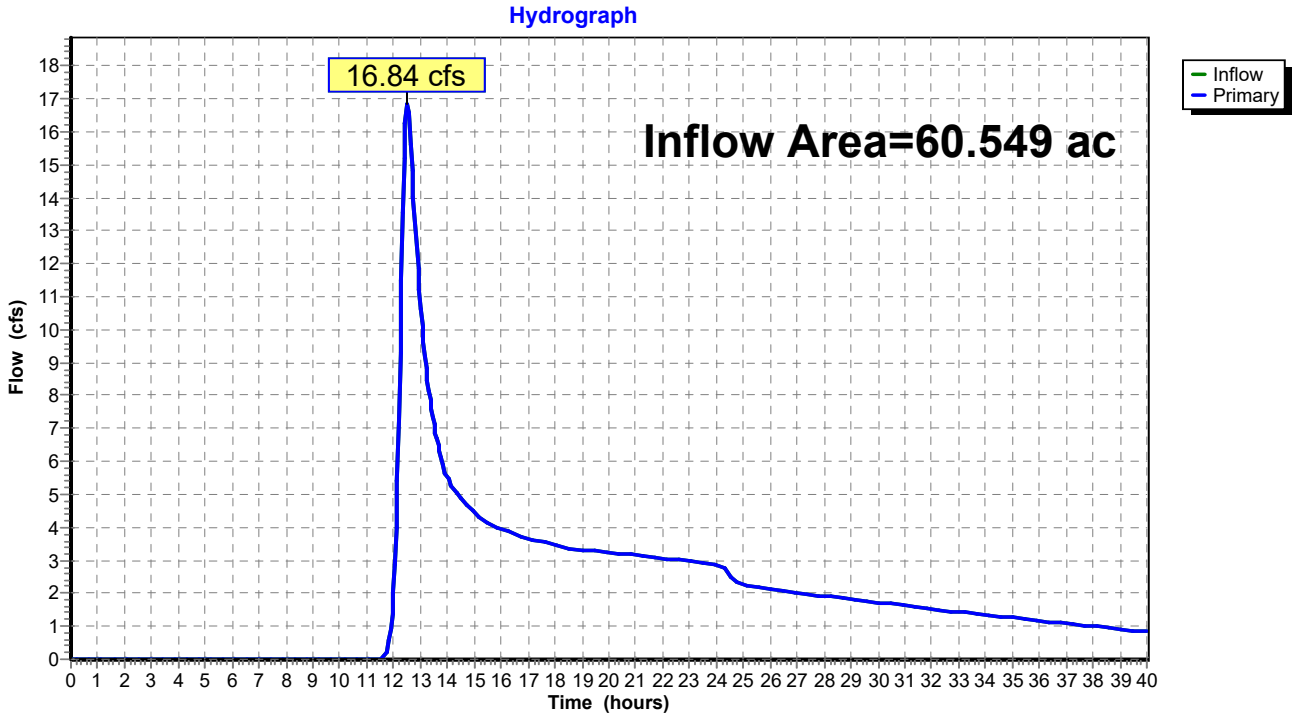
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 1.31" for Future 2 yr event
Inflow = 16.84 cfs @ 12.53 hrs, Volume= 6.589 af
Primary = 16.84 cfs @ 12.53 hrs, Volume= 6.589 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	10.62	0.00	10.62
10.45	0.00	0.00	0.00	13.05	10.09	0.00	10.09
10.50	0.00	0.00	0.00	13.10	9.62	0.00	9.62
10.55	0.00	0.00	0.00	13.15	9.20	0.00	9.20
10.60	0.00	0.00	0.00	13.20	8.82	0.00	8.82
10.65	0.00	0.00	0.00	13.25	8.47	0.00	8.47
10.70	0.00	0.00	0.00	13.30	8.16	0.00	8.16
10.75	0.00	0.00	0.00	13.35	7.86	0.00	7.86
10.80	0.00	0.00	0.00	13.40	7.59	0.00	7.59
10.85	0.00	0.00	0.00	13.45	7.33	0.00	7.33
10.90	0.00	0.00	0.00	13.50	7.10	0.00	7.10
10.95	0.00	0.00	0.00	13.55	6.88	0.00	6.88
11.00	0.00	0.00	0.00	13.60	6.67	0.00	6.67
11.05	0.00	0.00	0.00	13.65	6.48	0.00	6.48
11.10	0.00	0.00	0.00	13.70	6.30	0.00	6.30
11.15	0.00	0.00	0.00	13.75	6.13	0.00	6.13
11.20	0.00	0.00	0.00	13.80	5.98	0.00	5.98
11.25	0.00	0.00	0.00	13.85	5.84	0.00	5.84
11.30	0.00	0.00	0.00	13.90	5.71	0.00	5.71
11.35	0.00	0.00	0.00	13.95	5.60	0.00	5.60
11.40	0.00	0.00	0.00	14.00	5.50	0.00	5.50
11.45	0.00	0.00	0.00	14.05	5.41	0.00	5.41
11.50	0.00	0.00	0.00	14.10	5.34	0.00	5.34
11.55	0.00	0.00	0.00	14.15	5.27	0.00	5.27
11.60	0.01	0.00	0.01	14.20	5.20	0.00	5.20
11.65	0.03	0.00	0.03	14.25	5.15	0.00	5.15
11.70	0.07	0.00	0.07	14.30	5.09	0.00	5.09
11.75	0.16	0.00	0.16	14.35	5.04	0.00	5.04
11.80	0.31	0.00	0.31	14.40	4.99	0.00	4.99
11.85	0.56	0.00	0.56	14.45	4.94	0.00	4.94
11.90	0.92	0.00	0.92	14.50	4.90	0.00	4.90
11.95	1.40	0.00	1.40	14.55	4.85	0.00	4.85
12.00	2.03	0.00	2.03	14.60	4.81	0.00	4.81
12.05	2.87	0.00	2.87	14.65	4.76	0.00	4.76
12.10	3.99	0.00	3.99	14.70	4.72	0.00	4.72
12.15	5.42	0.00	5.42	14.75	4.68	0.00	4.68
12.20	7.21	0.00	7.21	14.80	4.64	0.00	4.64
12.25	9.30	0.00	9.30	14.85	4.59	0.00	4.59
12.30	11.50	0.00	11.50	14.90	4.55	0.00	4.55
12.35	13.57	0.00	13.57	14.95	4.51	0.00	4.51
12.40	15.17	0.00	15.17	15.00	4.47	0.00	4.47
12.45	16.24	0.00	16.24	15.05	4.43	0.00	4.43
12.50	16.78	0.00	16.78	15.10	4.39	0.00	4.39
12.55	**16.79**	0.00	**16.79**	15.15	4.35	0.00	4.35
12.60	16.35	0.00	16.35	15.20	4.31	0.00	4.31
12.65	15.64	0.00	15.64	15.25	4.27	0.00	4.27
12.70	14.81	0.00	14.81	15.30	4.24	0.00	4.24
12.75	14.01	0.00	14.01	15.35	4.20	0.00	4.20
12.80	13.25	0.00	13.25	15.40	4.17	0.00	4.17
12.85	12.53	0.00	12.53	15.45	4.14	0.00	4.14
12.90	11.84	0.00	11.84	15.50	4.11	0.00	4.11
12.95	11.20	0.00	11.20	15.55	4.09	0.00	4.09

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.06	0.00	4.06	18.20	3.42	0.00	3.42
15.65	4.04	0.00	4.04	18.25	3.41	0.00	3.41
15.70	4.03	0.00	4.03	18.30	3.40	0.00	3.40
15.75	4.01	0.00	4.01	18.35	3.39	0.00	3.39
15.80	3.99	0.00	3.99	18.40	3.38	0.00	3.38
15.85	3.98	0.00	3.98	18.45	3.37	0.00	3.37
15.90	3.96	0.00	3.96	18.50	3.36	0.00	3.36
15.95	3.95	0.00	3.95	18.55	3.36	0.00	3.36
16.00	3.94	0.00	3.94	18.60	3.35	0.00	3.35
16.05	3.92	0.00	3.92	18.65	3.34	0.00	3.34
16.10	3.91	0.00	3.91	18.70	3.34	0.00	3.34
16.15	3.90	0.00	3.90	18.75	3.33	0.00	3.33
16.20	3.88	0.00	3.88	18.80	3.33	0.00	3.33
16.25	3.87	0.00	3.87	18.85	3.32	0.00	3.32
16.30	3.86	0.00	3.86	18.90	3.32	0.00	3.32
16.35	3.85	0.00	3.85	18.95	3.31	0.00	3.31
16.40	3.83	0.00	3.83	19.00	3.31	0.00	3.31
16.45	3.82	0.00	3.82	19.05	3.31	0.00	3.31
16.50	3.81	0.00	3.81	19.10	3.30	0.00	3.30
16.55	3.80	0.00	3.80	19.15	3.30	0.00	3.30
16.60	3.78	0.00	3.78	19.20	3.30	0.00	3.30
16.65	3.77	0.00	3.77	19.25	3.29	0.00	3.29
16.70	3.76	0.00	3.76	19.30	3.29	0.00	3.29
16.75	3.75	0.00	3.75	19.35	3.28	0.00	3.28
16.80	3.73	0.00	3.73	19.40	3.28	0.00	3.28
16.85	3.72	0.00	3.72	19.45	3.28	0.00	3.28
16.90	3.71	0.00	3.71	19.50	3.27	0.00	3.27
16.95	3.70	0.00	3.70	19.55	3.27	0.00	3.27
17.00	3.68	0.00	3.68	19.60	3.26	0.00	3.26
17.05	3.67	0.00	3.67	19.65	3.26	0.00	3.26
17.10	3.66	0.00	3.66	19.70	3.26	0.00	3.26
17.15	3.65	0.00	3.65	19.75	3.25	0.00	3.25
17.20	3.63	0.00	3.63	19.80	3.25	0.00	3.25
17.25	3.62	0.00	3.62	19.85	3.24	0.00	3.24
17.30	3.61	0.00	3.61	19.90	3.24	0.00	3.24
17.35	3.60	0.00	3.60	19.95	3.24	0.00	3.24
17.40	3.59	0.00	3.59	20.00	3.23	0.00	3.23
17.45	3.58	0.00	3.58	20.05	3.23	0.00	3.23
17.50	3.57	0.00	3.57	20.10	3.23	0.00	3.23
17.55	3.56	0.00	3.56	20.15	3.22	0.00	3.22
17.60	3.55	0.00	3.55	20.20	3.22	0.00	3.22
17.65	3.54	0.00	3.54	20.25	3.21	0.00	3.21
17.70	3.53	0.00	3.53	20.30	3.21	0.00	3.21
17.75	3.51	0.00	3.51	20.35	3.20	0.00	3.20
17.80	3.50	0.00	3.50	20.40	3.20	0.00	3.20
17.85	3.49	0.00	3.49	20.45	3.20	0.00	3.20
17.90	3.48	0.00	3.48	20.50	3.19	0.00	3.19
17.95	3.47	0.00	3.47	20.55	3.19	0.00	3.19
18.00	3.46	0.00	3.46	20.60	3.18	0.00	3.18
18.05	3.45	0.00	3.45	20.65	3.18	0.00	3.18
18.10	3.44	0.00	3.44	20.70	3.18	0.00	3.18
18.15	3.43	0.00	3.43	20.75	3.17	0.00	3.17

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.17	0.00	3.17	23.40	2.93	0.00	2.93
20.85	3.16	0.00	3.16	23.45	2.93	0.00	2.93
20.90	3.16	0.00	3.16	23.50	2.92	0.00	2.92
20.95	3.16	0.00	3.16	23.55	2.92	0.00	2.92
21.00	3.15	0.00	3.15	23.60	2.91	0.00	2.91
21.05	3.15	0.00	3.15	23.65	2.91	0.00	2.91
21.10	3.14	0.00	3.14	23.70	2.91	0.00	2.91
21.15	3.14	0.00	3.14	23.75	2.90	0.00	2.90
21.20	3.13	0.00	3.13	23.80	2.90	0.00	2.90
21.25	3.13	0.00	3.13	23.85	2.89	0.00	2.89
21.30	3.13	0.00	3.13	23.90	2.89	0.00	2.89
21.35	3.12	0.00	3.12	23.95	2.88	0.00	2.88
21.40	3.12	0.00	3.12	24.00	2.88	0.00	2.88
21.45	3.11	0.00	3.11	24.05	2.87	0.00	2.87
21.50	3.11	0.00	3.11	24.10	2.87	0.00	2.87
21.55	3.10	0.00	3.10	24.15	2.86	0.00	2.86
21.60	3.10	0.00	3.10	24.20	2.84	0.00	2.84
21.65	3.10	0.00	3.10	24.25	2.80	0.00	2.80
21.70	3.09	0.00	3.09	24.30	2.76	0.00	2.76
21.75	3.09	0.00	3.09	24.35	2.70	0.00	2.70
21.80	3.08	0.00	3.08	24.40	2.63	0.00	2.63
21.85	3.08	0.00	3.08	24.45	2.56	0.00	2.56
21.90	3.07	0.00	3.07	24.50	2.50	0.00	2.50
21.95	3.07	0.00	3.07	24.55	2.45	0.00	2.45
22.00	3.06	0.00	3.06	24.60	2.40	0.00	2.40
22.05	3.06	0.00	3.06	24.65	2.36	0.00	2.36
22.10	3.06	0.00	3.06	24.70	2.33	0.00	2.33
22.15	3.05	0.00	3.05	24.75	2.31	0.00	2.31
22.20	3.05	0.00	3.05	24.80	2.29	0.00	2.29
22.25	3.04	0.00	3.04	24.85	2.27	0.00	2.27
22.30	3.04	0.00	3.04	24.90	2.25	0.00	2.25
22.35	3.03	0.00	3.03	24.95	2.24	0.00	2.24
22.40	3.03	0.00	3.03	25.00	2.23	0.00	2.23
22.45	3.02	0.00	3.02	25.05	2.22	0.00	2.22
22.50	3.02	0.00	3.02	25.10	2.21	0.00	2.21
22.55	3.01	0.00	3.01	25.15	2.20	0.00	2.20
22.60	3.01	0.00	3.01	25.20	2.20	0.00	2.20
22.65	3.01	0.00	3.01	25.25	2.19	0.00	2.19
22.70	3.00	0.00	3.00	25.30	2.18	0.00	2.18
22.75	3.00	0.00	3.00	25.35	2.18	0.00	2.18
22.80	2.99	0.00	2.99	25.40	2.17	0.00	2.17
22.85	2.99	0.00	2.99	25.45	2.17	0.00	2.17
22.90	2.98	0.00	2.98	25.50	2.16	0.00	2.16
22.95	2.98	0.00	2.98	25.55	2.16	0.00	2.16
23.00	2.97	0.00	2.97	25.60	2.15	0.00	2.15
23.05	2.97	0.00	2.97	25.65	2.15	0.00	2.15
23.10	2.96	0.00	2.96	25.70	2.14	0.00	2.14
23.15	2.96	0.00	2.96	25.75	2.14	0.00	2.14
23.20	2.95	0.00	2.95	25.80	2.13	0.00	2.13
23.25	2.95	0.00	2.95	25.85	2.13	0.00	2.13
23.30	2.94	0.00	2.94	25.90	2.12	0.00	2.12
23.35	2.94	0.00	2.94	25.95	2.12	0.00	2.12

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	2.11	0.00	2.11	28.60	1.86	0.00	1.86
26.05	2.11	0.00	2.11	28.65	1.86	0.00	1.86
26.10	2.10	0.00	2.10	28.70	1.85	0.00	1.85
26.15	2.10	0.00	2.10	28.75	1.85	0.00	1.85
26.20	2.09	0.00	2.09	28.80	1.84	0.00	1.84
26.25	2.09	0.00	2.09	28.85	1.84	0.00	1.84
26.30	2.08	0.00	2.08	28.90	1.83	0.00	1.83
26.35	2.08	0.00	2.08	28.95	1.83	0.00	1.83
26.40	2.07	0.00	2.07	29.00	1.82	0.00	1.82
26.45	2.07	0.00	2.07	29.05	1.82	0.00	1.82
26.50	2.06	0.00	2.06	29.10	1.81	0.00	1.81
26.55	2.06	0.00	2.06	29.15	1.81	0.00	1.81
26.60	2.05	0.00	2.05	29.20	1.80	0.00	1.80
26.65	2.05	0.00	2.05	29.25	1.80	0.00	1.80
26.70	2.04	0.00	2.04	29.30	1.79	0.00	1.79
26.75	2.04	0.00	2.04	29.35	1.79	0.00	1.79
26.80	2.03	0.00	2.03	29.40	1.78	0.00	1.78
26.85	2.03	0.00	2.03	29.45	1.78	0.00	1.78
26.90	2.02	0.00	2.02	29.50	1.77	0.00	1.77
26.95	2.02	0.00	2.02	29.55	1.77	0.00	1.77
27.00	2.02	0.00	2.02	29.60	1.76	0.00	1.76
27.05	2.01	0.00	2.01	29.65	1.76	0.00	1.76
27.10	2.01	0.00	2.01	29.70	1.75	0.00	1.75
27.15	2.00	0.00	2.00	29.75	1.75	0.00	1.75
27.20	2.00	0.00	2.00	29.80	1.74	0.00	1.74
27.25	1.99	0.00	1.99	29.85	1.74	0.00	1.74
27.30	1.99	0.00	1.99	29.90	1.74	0.00	1.74
27.35	1.98	0.00	1.98	29.95	1.73	0.00	1.73
27.40	1.98	0.00	1.98	30.00	1.73	0.00	1.73
27.45	1.97	0.00	1.97	30.05	1.72	0.00	1.72
27.50	1.97	0.00	1.97	30.10	1.72	0.00	1.72
27.55	1.96	0.00	1.96	30.15	1.71	0.00	1.71
27.60	1.96	0.00	1.96	30.20	1.71	0.00	1.71
27.65	1.95	0.00	1.95	30.25	1.70	0.00	1.70
27.70	1.95	0.00	1.95	30.30	1.70	0.00	1.70
27.75	1.94	0.00	1.94	30.35	1.69	0.00	1.69
27.80	1.94	0.00	1.94	30.40	1.69	0.00	1.69
27.85	1.93	0.00	1.93	30.45	1.68	0.00	1.68
27.90	1.93	0.00	1.93	30.50	1.68	0.00	1.68
27.95	1.92	0.00	1.92	30.55	1.67	0.00	1.67
28.00	1.92	0.00	1.92	30.60	1.67	0.00	1.67
28.05	1.91	0.00	1.91	30.65	1.66	0.00	1.66
28.10	1.91	0.00	1.91	30.70	1.66	0.00	1.66
28.15	1.90	0.00	1.90	30.75	1.65	0.00	1.65
28.20	1.90	0.00	1.90	30.80	1.65	0.00	1.65
28.25	1.89	0.00	1.89	30.85	1.64	0.00	1.64
28.30	1.89	0.00	1.89	30.90	1.64	0.00	1.64
28.35	1.89	0.00	1.89	30.95	1.63	0.00	1.63
28.40	1.88	0.00	1.88	31.00	1.63	0.00	1.63
28.45	1.88	0.00	1.88	31.05	1.62	0.00	1.62
28.50	1.87	0.00	1.87	31.10	1.62	0.00	1.62
28.55	1.87	0.00	1.87	31.15	1.61	0.00	1.61

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	1.61	0.00	1.61	33.80	1.36	0.00	1.36
31.25	1.60	0.00	1.60	33.85	1.36	0.00	1.36
31.30	1.60	0.00	1.60	33.90	1.35	0.00	1.35
31.35	1.59	0.00	1.59	33.95	1.35	0.00	1.35
31.40	1.59	0.00	1.59	34.00	1.34	0.00	1.34
31.45	1.58	0.00	1.58	34.05	1.34	0.00	1.34
31.50	1.58	0.00	1.58	34.10	1.33	0.00	1.33
31.55	1.57	0.00	1.57	34.15	1.33	0.00	1.33
31.60	1.57	0.00	1.57	34.20	1.32	0.00	1.32
31.65	1.56	0.00	1.56	34.25	1.32	0.00	1.32
31.70	1.56	0.00	1.56	34.30	1.32	0.00	1.32
31.75	1.56	0.00	1.56	34.35	1.31	0.00	1.31
31.80	1.55	0.00	1.55	34.40	1.31	0.00	1.31
31.85	1.55	0.00	1.55	34.45	1.30	0.00	1.30
31.90	1.54	0.00	1.54	34.50	1.30	0.00	1.30
31.95	1.54	0.00	1.54	34.55	1.29	0.00	1.29
32.00	1.53	0.00	1.53	34.60	1.29	0.00	1.29
32.05	1.53	0.00	1.53	34.65	1.28	0.00	1.28
32.10	1.52	0.00	1.52	34.70	1.28	0.00	1.28
32.15	1.52	0.00	1.52	34.75	1.28	0.00	1.28
32.20	1.51	0.00	1.51	34.80	1.27	0.00	1.27
32.25	1.51	0.00	1.51	34.85	1.27	0.00	1.27
32.30	1.50	0.00	1.50	34.90	1.26	0.00	1.26
32.35	1.50	0.00	1.50	34.95	1.26	0.00	1.26
32.40	1.49	0.00	1.49	35.00	1.25	0.00	1.25
32.45	1.49	0.00	1.49	35.05	1.25	0.00	1.25
32.50	1.48	0.00	1.48	35.10	1.24	0.00	1.24
32.55	1.48	0.00	1.48	35.15	1.24	0.00	1.24
32.60	1.47	0.00	1.47	35.20	1.24	0.00	1.24
32.65	1.47	0.00	1.47	35.25	1.23	0.00	1.23
32.70	1.46	0.00	1.46	35.30	1.23	0.00	1.23
32.75	1.46	0.00	1.46	35.35	1.22	0.00	1.22
32.80	1.45	0.00	1.45	35.40	1.22	0.00	1.22
32.85	1.45	0.00	1.45	35.45	1.21	0.00	1.21
32.90	1.45	0.00	1.45	35.50	1.21	0.00	1.21
32.95	1.44	0.00	1.44	35.55	1.20	0.00	1.20
33.00	1.44	0.00	1.44	35.60	1.20	0.00	1.20
33.05	1.43	0.00	1.43	35.65	1.20	0.00	1.20
33.10	1.43	0.00	1.43	35.70	1.19	0.00	1.19
33.15	1.42	0.00	1.42	35.75	1.19	0.00	1.19
33.20	1.42	0.00	1.42	35.80	1.18	0.00	1.18
33.25	1.41	0.00	1.41	35.85	1.18	0.00	1.18
33.30	1.41	0.00	1.41	35.90	1.17	0.00	1.17
33.35	1.40	0.00	1.40	35.95	1.17	0.00	1.17
33.40	1.40	0.00	1.40	36.00	1.17	0.00	1.17
33.45	1.39	0.00	1.39	36.05	1.16	0.00	1.16
33.50	1.39	0.00	1.39	36.10	1.16	0.00	1.16
33.55	1.38	0.00	1.38	36.15	1.15	0.00	1.15
33.60	1.38	0.00	1.38	36.20	1.15	0.00	1.15
33.65	1.38	0.00	1.38	36.25	1.14	0.00	1.14
33.70	1.37	0.00	1.37	36.30	1.14	0.00	1.14
33.75	1.37	0.00	1.37	36.35	1.14	0.00	1.14

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	1.13	0.00	1.13
36.45	1.13	0.00	1.13
36.50	1.12	0.00	1.12
36.55	1.12	0.00	1.12
36.60	1.11	0.00	1.11
36.65	1.11	0.00	1.11
36.70	1.11	0.00	1.11
36.75	1.10	0.00	1.10
36.80	1.10	0.00	1.10
36.85	1.09	0.00	1.09
36.90	1.09	0.00	1.09
36.95	1.09	0.00	1.09
37.00	1.08	0.00	1.08
37.05	1.08	0.00	1.08
37.10	1.07	0.00	1.07
37.15	1.07	0.00	1.07
37.20	1.06	0.00	1.06
37.25	1.06	0.00	1.06
37.30	1.06	0.00	1.06
37.35	1.05	0.00	1.05
37.40	1.05	0.00	1.05
37.45	1.04	0.00	1.04
37.50	1.04	0.00	1.04
37.55	1.03	0.00	1.03
37.60	1.03	0.00	1.03
37.65	1.03	0.00	1.03
37.70	1.02	0.00	1.02
37.75	1.02	0.00	1.02
37.80	1.01	0.00	1.01
37.85	1.01	0.00	1.01
37.90	1.01	0.00	1.01
37.95	1.00	0.00	1.00
38.00	1.00	0.00	1.00
38.05	0.99	0.00	0.99
38.10	0.99	0.00	0.99
38.15	0.98	0.00	0.98
38.20	0.98	0.00	0.98
38.25	0.98	0.00	0.98
38.30	0.97	0.00	0.97
38.35	0.97	0.00	0.97
38.40	0.96	0.00	0.96
38.45	0.96	0.00	0.96
38.50	0.96	0.00	0.96
38.55	0.95	0.00	0.95
38.60	0.95	0.00	0.95
38.65	0.94	0.00	0.94
38.70	0.94	0.00	0.94
38.75	0.94	0.00	0.94
38.80	0.93	0.00	0.93
38.85	0.93	0.00	0.93
38.90	0.92	0.00	0.92
38.95	0.92	0.00	0.92
39.00	0.91	0.00	0.91
39.05	0.91	0.00	0.91
39.10	0.91	0.00	0.91
39.15	0.90	0.00	0.90
39.20	0.90	0.00	0.90
39.25	0.89	0.00	0.89
39.30	0.89	0.00	0.89
39.35	0.89	0.00	0.89
39.40	0.88	0.00	0.88
39.45	0.88	0.00	0.88
39.50	0.87	0.00	0.87
39.55	0.87	0.00	0.87
39.60	0.87	0.00	0.87
39.65	0.86	0.00	0.86
39.70	0.86	0.00	0.86
39.75	0.86	0.00	0.86
39.80	0.85	0.00	0.85
39.85	0.85	0.00	0.85
39.90	0.84	0.00	0.84
39.95	0.84	0.00	0.84
40.00	0.84	0.00	0.84

Summary for Subcatchment 1I: PDA-1 (impervious)

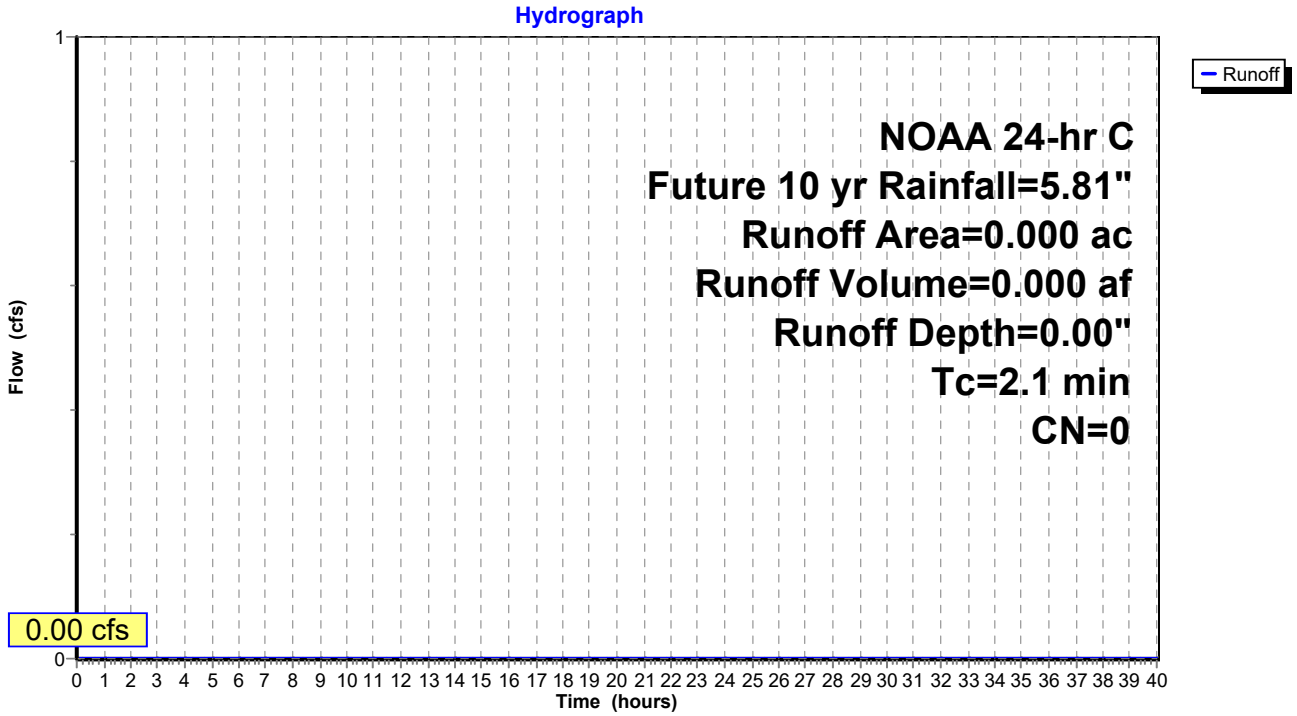
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.00	13.00	4.42	0.00	0.00
10.45	1.18	0.00	0.00	13.05	4.44	0.00	0.00
10.50	1.20	0.00	0.00	13.10	4.46	0.00	0.00
10.55	1.21	0.00	0.00	13.15	4.48	0.00	0.00
10.60	1.23	0.00	0.00	13.20	4.50	0.00	0.00
10.65	1.25	0.00	0.00	13.25	4.52	0.00	0.00
10.70	1.27	0.00	0.00	13.30	4.54	0.00	0.00
10.75	1.29	0.00	0.00	13.35	4.56	0.00	0.00
10.80	1.31	0.00	0.00	13.40	4.58	0.00	0.00
10.85	1.33	0.00	0.00	13.45	4.60	0.00	0.00
10.90	1.35	0.00	0.00	13.50	4.61	0.00	0.00
10.95	1.37	0.00	0.00	13.55	4.63	0.00	0.00
11.00	1.39	0.00	0.00	13.60	4.64	0.00	0.00
11.05	1.42	0.00	0.00	13.65	4.66	0.00	0.00
11.10	1.45	0.00	0.00	13.70	4.67	0.00	0.00
11.15	1.48	0.00	0.00	13.75	4.68	0.00	0.00
11.20	1.51	0.00	0.00	13.80	4.70	0.00	0.00
11.25	1.54	0.00	0.00	13.85	4.71	0.00	0.00
11.30	1.57	0.00	0.00	13.90	4.72	0.00	0.00
11.35	1.61	0.00	0.00	13.95	4.74	0.00	0.00
11.40	1.64	0.00	0.00	14.00	4.75	0.00	0.00
11.45	1.68	0.00	0.00	14.05	4.76	0.00	0.00
11.50	1.72	0.00	0.00	14.10	4.78	0.00	0.00
11.55	1.78	0.00	0.00	14.15	4.79	0.00	0.00
11.60	1.83	0.00	0.00	14.20	4.80	0.00	0.00
11.65	1.90	0.00	0.00	14.25	4.81	0.00	0.00
11.70	1.96	0.00	0.00	14.30	4.82	0.00	0.00
11.75	2.04	0.00	0.00	14.35	4.83	0.00	0.00
11.80	2.13	0.00	0.00	14.40	4.85	0.00	0.00
11.85	2.25	0.00	0.00	14.45	4.86	0.00	0.00
11.90	2.36	0.00	0.00	14.50	4.87	0.00	0.00
11.95	2.57	0.00	0.00	14.55	4.88	0.00	0.00
12.00	2.77	0.00	0.00	14.60	4.89	0.00	0.00
12.05	3.11	0.00	0.00	14.65	4.90	0.00	0.00
12.10	3.45	0.00	0.00	14.70	4.91	0.00	0.00
12.15	3.56	0.00	0.00	14.75	4.92	0.00	0.00
12.20	3.68	0.00	0.00	14.80	4.93	0.00	0.00
12.25	3.77	0.00	0.00	14.85	4.94	0.00	0.00
12.30	3.85	0.00	0.00	14.90	4.94	0.00	0.00
12.35	3.91	0.00	0.00	14.95	4.95	0.00	0.00
12.40	3.98	0.00	0.00	15.00	4.96	0.00	0.00
12.45	4.03	0.00	0.00	15.05	4.97	0.00	0.00
12.50	4.09	0.00	0.00	15.10	4.98	0.00	0.00
12.55	4.13	0.00	0.00	15.15	4.99	0.00	0.00
12.60	4.17	0.00	0.00	15.20	4.99	0.00	0.00
12.65	4.20	0.00	0.00	15.25	5.00	0.00	0.00
12.70	4.24	0.00	0.00	15.30	5.01	0.00	0.00
12.75	4.27	0.00	0.00	15.35	5.02	0.00	0.00
12.80	4.30	0.00	0.00	15.40	5.03	0.00	0.00
12.85	4.33	0.00	0.00	15.45	5.03	0.00	0.00
12.90	4.36	0.00	0.00	15.50	5.04	0.00	0.00
12.95	4.39	0.00	0.00	15.55	5.05	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	0.00	0.00	18.20	5.37	0.00	0.00
15.65	5.06	0.00	0.00	18.25	5.37	0.00	0.00
15.70	5.07	0.00	0.00	18.30	5.38	0.00	0.00
15.75	5.08	0.00	0.00	18.35	5.38	0.00	0.00
15.80	5.09	0.00	0.00	18.40	5.39	0.00	0.00
15.85	5.09	0.00	0.00	18.45	5.39	0.00	0.00
15.90	5.10	0.00	0.00	18.50	5.40	0.00	0.00
15.95	5.11	0.00	0.00	18.55	5.40	0.00	0.00
16.00	5.11	0.00	0.00	18.60	5.40	0.00	0.00
16.05	5.12	0.00	0.00	18.65	5.41	0.00	0.00
16.10	5.13	0.00	0.00	18.70	5.41	0.00	0.00
16.15	5.13	0.00	0.00	18.75	5.42	0.00	0.00
16.20	5.14	0.00	0.00	18.80	5.42	0.00	0.00
16.25	5.15	0.00	0.00	18.85	5.43	0.00	0.00
16.30	5.16	0.00	0.00	18.90	5.43	0.00	0.00
16.35	5.16	0.00	0.00	18.95	5.44	0.00	0.00
16.40	5.17	0.00	0.00	19.00	5.44	0.00	0.00
16.45	5.17	0.00	0.00	19.05	5.44	0.00	0.00
16.50	5.18	0.00	0.00	19.10	5.45	0.00	0.00
16.55	5.19	0.00	0.00	19.15	5.45	0.00	0.00
16.60	5.19	0.00	0.00	19.20	5.46	0.00	0.00
16.65	5.20	0.00	0.00	19.25	5.46	0.00	0.00
16.70	5.21	0.00	0.00	19.30	5.47	0.00	0.00
16.75	5.21	0.00	0.00	19.35	5.47	0.00	0.00
16.80	5.22	0.00	0.00	19.40	5.48	0.00	0.00
16.85	5.23	0.00	0.00	19.45	5.48	0.00	0.00
16.90	5.23	0.00	0.00	19.50	5.48	0.00	0.00
16.95	5.24	0.00	0.00	19.55	5.49	0.00	0.00
17.00	5.24	0.00	0.00	19.60	5.49	0.00	0.00
17.05	5.25	0.00	0.00	19.65	5.50	0.00	0.00
17.10	5.25	0.00	0.00	19.70	5.50	0.00	0.00
17.15	5.26	0.00	0.00	19.75	5.50	0.00	0.00
17.20	5.27	0.00	0.00	19.80	5.51	0.00	0.00
17.25	5.27	0.00	0.00	19.85	5.51	0.00	0.00
17.30	5.28	0.00	0.00	19.90	5.52	0.00	0.00
17.35	5.28	0.00	0.00	19.95	5.52	0.00	0.00
17.40	5.29	0.00	0.00	20.00	5.53	0.00	0.00
17.45	5.29	0.00	0.00	20.05	5.53	0.00	0.00
17.50	5.30	0.00	0.00	20.10	5.53	0.00	0.00
17.55	5.30	0.00	0.00	20.15	5.54	0.00	0.00
17.60	5.31	0.00	0.00	20.20	5.54	0.00	0.00
17.65	5.31	0.00	0.00	20.25	5.55	0.00	0.00
17.70	5.32	0.00	0.00	20.30	5.55	0.00	0.00
17.75	5.33	0.00	0.00	20.35	5.55	0.00	0.00
17.80	5.33	0.00	0.00	20.40	5.56	0.00	0.00
17.85	5.34	0.00	0.00	20.45	5.56	0.00	0.00
17.90	5.34	0.00	0.00	20.50	5.57	0.00	0.00
17.95	5.34	0.00	0.00	20.55	5.57	0.00	0.00
18.00	5.35	0.00	0.00	20.60	5.57	0.00	0.00
18.05	5.35	0.00	0.00	20.65	5.58	0.00	0.00
18.10	5.36	0.00	0.00	20.70	5.58	0.00	0.00
18.15	5.36	0.00	0.00	20.75	5.59	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	0.00	0.00	23.40	5.77	0.00	0.00
20.85	5.59	0.00	0.00	23.45	5.78	0.00	0.00
20.90	5.60	0.00	0.00	23.50	5.78	0.00	0.00
20.95	5.60	0.00	0.00	23.55	5.78	0.00	0.00
21.00	5.61	0.00	0.00	23.60	5.78	0.00	0.00
21.05	5.61	0.00	0.00	23.65	5.79	0.00	0.00
21.10	5.61	0.00	0.00	23.70	5.79	0.00	0.00
21.15	5.62	0.00	0.00	23.75	5.79	0.00	0.00
21.20	5.62	0.00	0.00	23.80	5.80	0.00	0.00
21.25	5.62	0.00	0.00	23.85	5.80	0.00	0.00
21.30	5.63	0.00	0.00	23.90	5.80	0.00	0.00
21.35	5.63	0.00	0.00	23.95	5.81	0.00	0.00
21.40	5.64	0.00	0.00	24.00	**5.81**	0.00	0.00
21.45	5.64	0.00	0.00	24.05	5.81	0.00	0.00
21.50	5.64	0.00	0.00	24.10	5.81	0.00	0.00
21.55	5.65	0.00	0.00	24.15	5.81	0.00	0.00
21.60	5.65	0.00	0.00	24.20	5.81	0.00	0.00
21.65	5.65	0.00	0.00	24.25	5.81	0.00	0.00
21.70	5.66	0.00	0.00	24.30	5.81	0.00	0.00
21.75	5.66	0.00	0.00	24.35	5.81	0.00	0.00
21.80	5.66	0.00	0.00	24.40	5.81	0.00	0.00
21.85	5.67	0.00	0.00	24.45	5.81	0.00	0.00
21.90	5.67	0.00	0.00	24.50	5.81	0.00	0.00
21.95	5.68	0.00	0.00	24.55	5.81	0.00	0.00
22.00	5.68	0.00	0.00	24.60	5.81	0.00	0.00
22.05	5.68	0.00	0.00	24.65	5.81	0.00	0.00
22.10	5.69	0.00	0.00	24.70	5.81	0.00	0.00
22.15	5.69	0.00	0.00	24.75	5.81	0.00	0.00
22.20	5.69	0.00	0.00	24.80	5.81	0.00	0.00
22.25	5.70	0.00	0.00	24.85	5.81	0.00	0.00
22.30	5.70	0.00	0.00	24.90	5.81	0.00	0.00
22.35	5.70	0.00	0.00	24.95	5.81	0.00	0.00
22.40	5.71	0.00	0.00	25.00	5.81	0.00	0.00
22.45	5.71	0.00	0.00	25.05	5.81	0.00	0.00
22.50	5.71	0.00	0.00	25.10	5.81	0.00	0.00
22.55	5.72	0.00	0.00	25.15	5.81	0.00	0.00
22.60	5.72	0.00	0.00	25.20	5.81	0.00	0.00
22.65	5.72	0.00	0.00	25.25	5.81	0.00	0.00
22.70	5.73	0.00	0.00	25.30	5.81	0.00	0.00
22.75	5.73	0.00	0.00	25.35	5.81	0.00	0.00
22.80	5.73	0.00	0.00	25.40	5.81	0.00	0.00
22.85	5.74	0.00	0.00	25.45	5.81	0.00	0.00
22.90	5.74	0.00	0.00	25.50	5.81	0.00	0.00
22.95	5.74	0.00	0.00	25.55	5.81	0.00	0.00
23.00	5.75	0.00	0.00	25.60	5.81	0.00	0.00
23.05	5.75	0.00	0.00	25.65	5.81	0.00	0.00
23.10	5.75	0.00	0.00	25.70	5.81	0.00	0.00
23.15	5.76	0.00	0.00	25.75	5.81	0.00	0.00
23.20	5.76	0.00	0.00	25.80	5.81	0.00	0.00
23.25	5.76	0.00	0.00	25.85	5.81	0.00	0.00
23.30	5.77	0.00	0.00	25.90	5.81	0.00	0.00
23.35	5.77	0.00	0.00	25.95	5.81	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	0.00	0.00	28.60	5.81	0.00	0.00
26.05	5.81	0.00	0.00	28.65	5.81	0.00	0.00
26.10	5.81	0.00	0.00	28.70	5.81	0.00	0.00
26.15	5.81	0.00	0.00	28.75	5.81	0.00	0.00
26.20	5.81	0.00	0.00	28.80	5.81	0.00	0.00
26.25	5.81	0.00	0.00	28.85	5.81	0.00	0.00
26.30	5.81	0.00	0.00	28.90	5.81	0.00	0.00
26.35	5.81	0.00	0.00	28.95	5.81	0.00	0.00
26.40	5.81	0.00	0.00	29.00	5.81	0.00	0.00
26.45	5.81	0.00	0.00	29.05	5.81	0.00	0.00
26.50	5.81	0.00	0.00	29.10	5.81	0.00	0.00
26.55	5.81	0.00	0.00	29.15	5.81	0.00	0.00
26.60	5.81	0.00	0.00	29.20	5.81	0.00	0.00
26.65	5.81	0.00	0.00	29.25	5.81	0.00	0.00
26.70	5.81	0.00	0.00	29.30	5.81	0.00	0.00
26.75	5.81	0.00	0.00	29.35	5.81	0.00	0.00
26.80	5.81	0.00	0.00	29.40	5.81	0.00	0.00
26.85	5.81	0.00	0.00	29.45	5.81	0.00	0.00
26.90	5.81	0.00	0.00	29.50	5.81	0.00	0.00
26.95	5.81	0.00	0.00	29.55	5.81	0.00	0.00
27.00	5.81	0.00	0.00	29.60	5.81	0.00	0.00
27.05	5.81	0.00	0.00	29.65	5.81	0.00	0.00
27.10	5.81	0.00	0.00	29.70	5.81	0.00	0.00
27.15	5.81	0.00	0.00	29.75	5.81	0.00	0.00
27.20	5.81	0.00	0.00	29.80	5.81	0.00	0.00
27.25	5.81	0.00	0.00	29.85	5.81	0.00	0.00
27.30	5.81	0.00	0.00	29.90	5.81	0.00	0.00
27.35	5.81	0.00	0.00	29.95	5.81	0.00	0.00
27.40	5.81	0.00	0.00	30.00	5.81	0.00	0.00
27.45	5.81	0.00	0.00	30.05	5.81	0.00	0.00
27.50	5.81	0.00	0.00	30.10	5.81	0.00	0.00
27.55	5.81	0.00	0.00	30.15	5.81	0.00	0.00
27.60	5.81	0.00	0.00	30.20	5.81	0.00	0.00
27.65	5.81	0.00	0.00	30.25	5.81	0.00	0.00
27.70	5.81	0.00	0.00	30.30	5.81	0.00	0.00
27.75	5.81	0.00	0.00	30.35	5.81	0.00	0.00
27.80	5.81	0.00	0.00	30.40	5.81	0.00	0.00
27.85	5.81	0.00	0.00	30.45	5.81	0.00	0.00
27.90	5.81	0.00	0.00	30.50	5.81	0.00	0.00
27.95	5.81	0.00	0.00	30.55	5.81	0.00	0.00
28.00	5.81	0.00	0.00	30.60	5.81	0.00	0.00
28.05	5.81	0.00	0.00	30.65	5.81	0.00	0.00
28.10	5.81	0.00	0.00	30.70	5.81	0.00	0.00
28.15	5.81	0.00	0.00	30.75	5.81	0.00	0.00
28.20	5.81	0.00	0.00	30.80	5.81	0.00	0.00
28.25	5.81	0.00	0.00	30.85	5.81	0.00	0.00
28.30	5.81	0.00	0.00	30.90	5.81	0.00	0.00
28.35	5.81	0.00	0.00	30.95	5.81	0.00	0.00
28.40	5.81	0.00	0.00	31.00	5.81	0.00	0.00
28.45	5.81	0.00	0.00	31.05	5.81	0.00	0.00
28.50	5.81	0.00	0.00	31.10	5.81	0.00	0.00
28.55	5.81	0.00	0.00	31.15	5.81	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	0.00	0.00	33.80	5.81	0.00	0.00
31.25	5.81	0.00	0.00	33.85	5.81	0.00	0.00
31.30	5.81	0.00	0.00	33.90	5.81	0.00	0.00
31.35	5.81	0.00	0.00	33.95	5.81	0.00	0.00
31.40	5.81	0.00	0.00	34.00	5.81	0.00	0.00
31.45	5.81	0.00	0.00	34.05	5.81	0.00	0.00
31.50	5.81	0.00	0.00	34.10	5.81	0.00	0.00
31.55	5.81	0.00	0.00	34.15	5.81	0.00	0.00
31.60	5.81	0.00	0.00	34.20	5.81	0.00	0.00
31.65	5.81	0.00	0.00	34.25	5.81	0.00	0.00
31.70	5.81	0.00	0.00	34.30	5.81	0.00	0.00
31.75	5.81	0.00	0.00	34.35	5.81	0.00	0.00
31.80	5.81	0.00	0.00	34.40	5.81	0.00	0.00
31.85	5.81	0.00	0.00	34.45	5.81	0.00	0.00
31.90	5.81	0.00	0.00	34.50	5.81	0.00	0.00
31.95	5.81	0.00	0.00	34.55	5.81	0.00	0.00
32.00	5.81	0.00	0.00	34.60	5.81	0.00	0.00
32.05	5.81	0.00	0.00	34.65	5.81	0.00	0.00
32.10	5.81	0.00	0.00	34.70	5.81	0.00	0.00
32.15	5.81	0.00	0.00	34.75	5.81	0.00	0.00
32.20	5.81	0.00	0.00	34.80	5.81	0.00	0.00
32.25	5.81	0.00	0.00	34.85	5.81	0.00	0.00
32.30	5.81	0.00	0.00	34.90	5.81	0.00	0.00
32.35	5.81	0.00	0.00	34.95	5.81	0.00	0.00
32.40	5.81	0.00	0.00	35.00	5.81	0.00	0.00
32.45	5.81	0.00	0.00	35.05	5.81	0.00	0.00
32.50	5.81	0.00	0.00	35.10	5.81	0.00	0.00
32.55	5.81	0.00	0.00	35.15	5.81	0.00	0.00
32.60	5.81	0.00	0.00	35.20	5.81	0.00	0.00
32.65	5.81	0.00	0.00	35.25	5.81	0.00	0.00
32.70	5.81	0.00	0.00	35.30	5.81	0.00	0.00
32.75	5.81	0.00	0.00	35.35	5.81	0.00	0.00
32.80	5.81	0.00	0.00	35.40	5.81	0.00	0.00
32.85	5.81	0.00	0.00	35.45	5.81	0.00	0.00
32.90	5.81	0.00	0.00	35.50	5.81	0.00	0.00
32.95	5.81	0.00	0.00	35.55	5.81	0.00	0.00
33.00	5.81	0.00	0.00	35.60	5.81	0.00	0.00
33.05	5.81	0.00	0.00	35.65	5.81	0.00	0.00
33.10	5.81	0.00	0.00	35.70	5.81	0.00	0.00
33.15	5.81	0.00	0.00	35.75	5.81	0.00	0.00
33.20	5.81	0.00	0.00	35.80	5.81	0.00	0.00
33.25	5.81	0.00	0.00	35.85	5.81	0.00	0.00
33.30	5.81	0.00	0.00	35.90	5.81	0.00	0.00
33.35	5.81	0.00	0.00	35.95	5.81	0.00	0.00
33.40	5.81	0.00	0.00	36.00	5.81	0.00	0.00
33.45	5.81	0.00	0.00	36.05	5.81	0.00	0.00
33.50	5.81	0.00	0.00	36.10	5.81	0.00	0.00
33.55	5.81	0.00	0.00	36.15	5.81	0.00	0.00
33.60	5.81	0.00	0.00	36.20	5.81	0.00	0.00
33.65	5.81	0.00	0.00	36.25	5.81	0.00	0.00
33.70	5.81	0.00	0.00	36.30	5.81	0.00	0.00
33.75	5.81	0.00	0.00	36.35	5.81	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	0.00	0.00
36.45	5.81	0.00	0.00
36.50	5.81	0.00	0.00
36.55	5.81	0.00	0.00
36.60	5.81	0.00	0.00
36.65	5.81	0.00	0.00
36.70	5.81	0.00	0.00
36.75	5.81	0.00	0.00
36.80	5.81	0.00	0.00
36.85	5.81	0.00	0.00
36.90	5.81	0.00	0.00
36.95	5.81	0.00	0.00
37.00	5.81	0.00	0.00
37.05	5.81	0.00	0.00
37.10	5.81	0.00	0.00
37.15	5.81	0.00	0.00
37.20	5.81	0.00	0.00
37.25	5.81	0.00	0.00
37.30	5.81	0.00	0.00
37.35	5.81	0.00	0.00
37.40	5.81	0.00	0.00
37.45	5.81	0.00	0.00
37.50	5.81	0.00	0.00
37.55	5.81	0.00	0.00
37.60	5.81	0.00	0.00
37.65	5.81	0.00	0.00
37.70	5.81	0.00	0.00
37.75	5.81	0.00	0.00
37.80	5.81	0.00	0.00
37.85	5.81	0.00	0.00
37.90	5.81	0.00	0.00
37.95	5.81	0.00	0.00
38.00	5.81	0.00	0.00
38.05	5.81	0.00	0.00
38.10	5.81	0.00	0.00
38.15	5.81	0.00	0.00
38.20	5.81	0.00	0.00
38.25	5.81	0.00	0.00
38.30	5.81	0.00	0.00
38.35	5.81	0.00	0.00
38.40	5.81	0.00	0.00
38.45	5.81	0.00	0.00
38.50	5.81	0.00	0.00
38.55	5.81	0.00	0.00
38.60	5.81	0.00	0.00
38.65	5.81	0.00	0.00
38.70	5.81	0.00	0.00
38.75	5.81	0.00	0.00
38.80	5.81	0.00	0.00
38.85	5.81	0.00	0.00
38.90	5.81	0.00	0.00
38.95	5.81	0.00	0.00
39.00	5.81	0.00	0.00
39.05	5.81	0.00	0.00
39.10	5.81	0.00	0.00
39.15	5.81	0.00	0.00
39.20	5.81	0.00	0.00
39.25	5.81	0.00	0.00
39.30	5.81	0.00	0.00
39.35	5.81	0.00	0.00
39.40	5.81	0.00	0.00
39.45	5.81	0.00	0.00
39.50	5.81	0.00	0.00
39.55	5.81	0.00	0.00
39.60	5.81	0.00	0.00
39.65	5.81	0.00	0.00
39.70	5.81	0.00	0.00
39.75	5.81	0.00	0.00
39.80	5.81	0.00	0.00
39.85	5.81	0.00	0.00
39.90	5.81	0.00	0.00
39.95	5.81	0.00	0.00
40.00	5.81	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

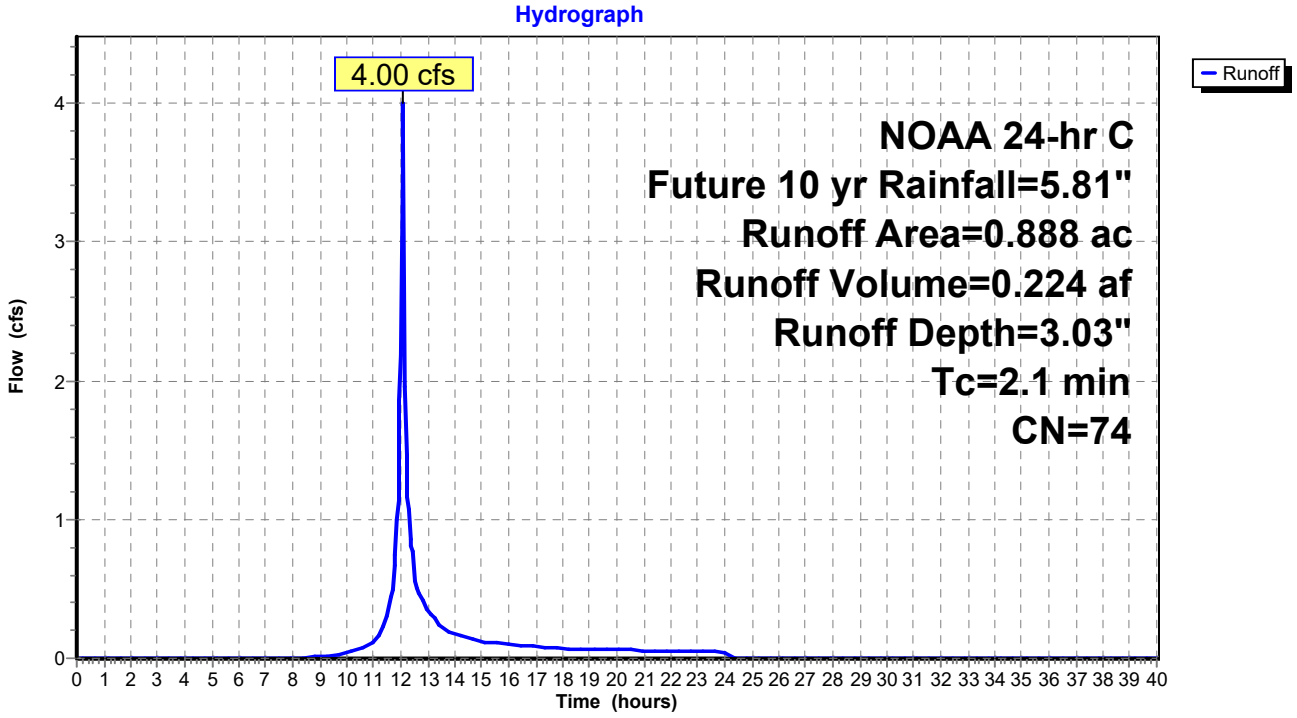
Runoff = 4.00 cfs @ 12.08 hrs, Volume= 0.224 af, Depth= 3.03"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.05

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.36
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.32
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.31
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.30
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.29
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.28
10.70	1.27	0.08	0.08	13.30	4.54	2.01	0.27
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.25
10.80	1.31	0.09	0.09	13.40	4.58	2.03	0.25
10.85	1.33	0.09	0.10	13.45	4.60	2.05	0.23
10.90	1.35	0.10	0.11	13.50	4.61	2.06	0.23
10.95	1.37	0.11	0.12	13.55	4.63	2.07	0.21
11.00	1.39	0.11	0.12	13.60	4.64	2.08	0.20
11.05	1.42	0.12	0.14	13.65	4.66	2.09	0.20
11.10	1.45	0.13	0.15	13.70	4.67	2.10	0.20
11.15	1.48	0.14	0.17	13.75	4.68	2.12	0.19
11.20	1.51	0.15	0.17	13.80	4.70	2.13	0.19
11.25	1.54	0.16	0.19	13.85	4.71	2.14	0.19
11.30	1.57	0.17	0.20	13.90	4.72	2.15	0.19
11.35	1.61	0.18	0.23	13.95	4.74	2.16	0.18
11.40	1.64	0.20	0.24	14.00	4.75	2.17	0.18
11.45	1.68	0.21	0.26	14.05	4.76	2.18	0.18
11.50	1.72	0.23	0.27	14.10	4.78	2.19	0.18
11.55	1.78	0.25	0.40	14.15	4.79	2.20	0.17
11.60	1.83	0.28	0.44	14.20	4.80	2.21	0.17
11.65	1.90	0.30	0.48	14.25	4.81	2.21	0.17
11.70	1.96	0.33	0.50	14.30	4.82	2.22	0.16
11.75	2.04	0.37	0.67	14.35	4.83	2.23	0.16
11.80	2.13	0.41	0.75	14.40	4.85	2.24	0.16
11.85	2.25	0.47	1.00	14.45	4.86	2.25	0.15
11.90	2.36	0.53	1.14	14.50	4.87	2.26	0.15
11.95	2.57	0.65	1.85	14.55	4.88	2.27	0.15
12.00	2.77	0.77	2.19	14.60	4.89	2.27	0.15
12.05	3.11	0.98	3.49	14.65	4.90	2.28	0.14
12.10	3.45	1.20	**3.88**	14.70	4.91	2.29	0.14
12.15	3.56	1.28	1.96	14.75	4.92	2.30	0.14
12.20	3.68	1.37	1.47	14.80	4.93	2.31	0.13
12.25	3.77	1.43	1.16	14.85	4.94	2.31	0.13
12.30	3.85	1.49	1.08	14.90	4.94	2.32	0.13
12.35	3.91	1.53	0.86	14.95	4.95	2.33	0.12
12.40	3.98	1.58	0.81	15.00	4.96	2.33	0.12
12.45	4.03	1.62	0.78	15.05	4.97	2.34	0.12
12.50	4.09	1.67	0.76	15.10	4.98	2.35	0.12
12.55	4.13	1.69	0.56	15.15	4.99	2.35	0.11
12.60	4.17	1.72	0.51	15.20	4.99	2.36	0.11
12.65	4.20	1.75	0.48	15.25	5.00	2.37	0.11
12.70	4.24	1.77	0.48	15.30	5.01	2.37	0.11
12.75	4.27	1.80	0.44	15.35	5.02	2.38	0.11
12.80	4.30	1.82	0.44	15.40	5.03	2.38	0.11
12.85	4.33	1.85	0.40	15.45	5.03	2.39	0.11
12.90	4.36	1.87	0.40	15.50	5.04	2.40	0.11
12.95	4.39	1.89	0.36	15.55	5.05	2.40	0.11

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.11	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.11	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.11	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.11	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.11	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.10	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.10	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.10	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.10	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.10	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.10	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.10	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.10	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.10	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.10	18.95	5.44	2.72	0.06
16.40	5.17	2.50	0.10	19.00	5.44	2.72	0.06
16.45	5.17	2.50	0.09	19.05	5.44	2.72	0.06
16.50	5.18	2.51	0.09	19.10	5.45	2.73	0.06
16.55	5.19	2.52	0.09	19.15	5.45	2.73	0.06
16.60	5.19	2.52	0.09	19.20	5.46	2.73	0.06
16.65	5.20	2.53	0.09	19.25	5.46	2.74	0.06
16.70	5.21	2.53	0.09	19.30	5.47	2.74	0.06
16.75	5.21	2.54	0.09	19.35	5.47	2.75	0.06
16.80	5.22	2.54	0.09	19.40	5.48	2.75	0.06
16.85	5.23	2.55	0.09	19.45	5.48	2.75	0.06
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.06
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.06
17.00	5.24	2.56	0.09	19.60	5.49	2.76	0.06
17.05	5.25	2.56	0.08	19.65	5.50	2.77	0.06
17.10	5.25	2.57	0.08	19.70	5.50	2.77	0.06
17.15	5.26	2.57	0.08	19.75	5.50	2.77	0.06
17.20	5.27	2.58	0.08	19.80	5.51	2.78	0.06
17.25	5.27	2.58	0.08	19.85	5.51	2.78	0.06
17.30	5.28	2.59	0.08	19.90	5.52	2.78	0.06
17.35	5.28	2.59	0.08	19.95	5.52	2.79	0.06
17.40	5.29	2.60	0.08	20.00	5.53	2.79	0.06
17.45	5.29	2.60	0.08	20.05	5.53	2.79	0.06
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.06
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.07	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.07	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.07	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.07	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.07	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.07	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.07	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.07	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.04
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.05	24.05	5.81	3.03	0.01
21.50	5.64	2.89	0.05	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.05	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.05	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.05	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.05	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.05	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.05	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.05	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.05	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.05	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.05	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.05	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.05	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.05	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.05	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.05	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.05	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

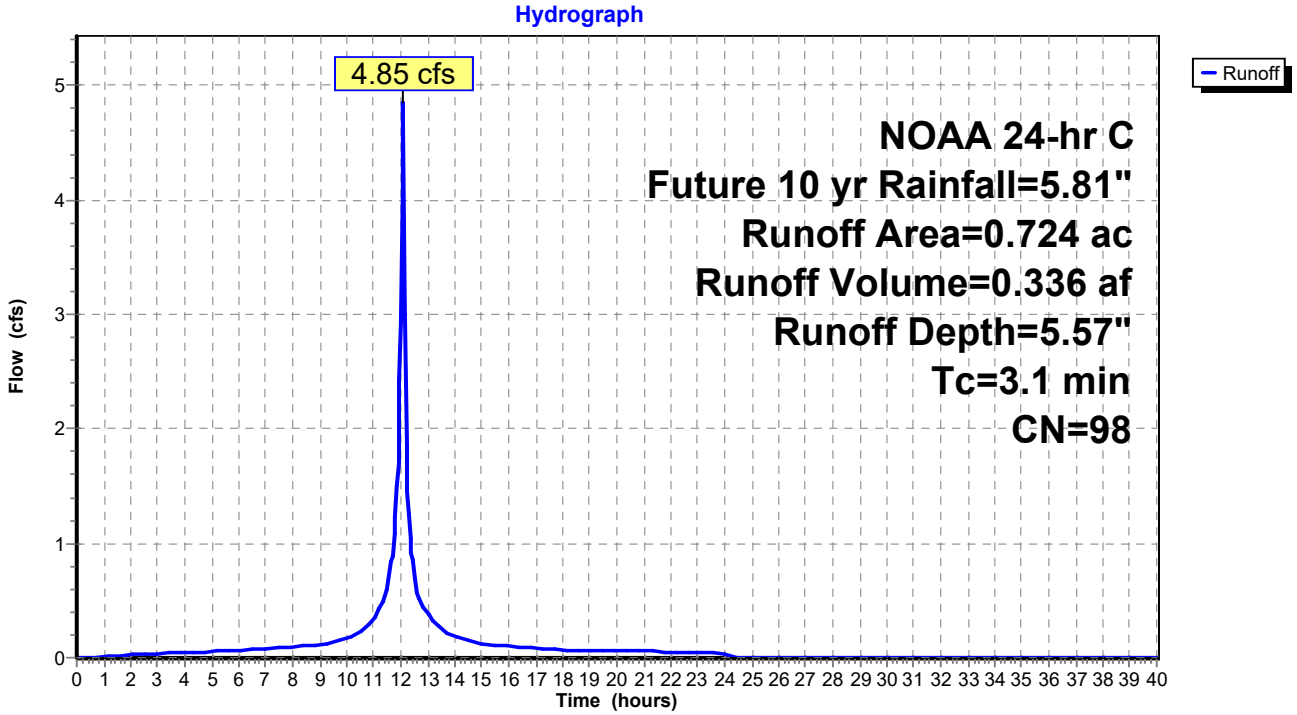
Runoff = 4.85 cfs @ 12.09 hrs, Volume= 0.336 af, Depth= 5.57"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.09
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.10
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.10
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.10
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.10
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.10
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.10
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.10
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.10
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.10
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.11
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.11
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.11
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.11
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.11
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.11
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.11
6.25	0.48	0.30	0.07	8.85	0.82	0.62	0.11
6.30	0.49	0.31	0.07	8.90	0.83	0.63	0.11
6.35	0.50	0.31	0.07	8.95	0.84	0.64	0.11
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.11
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.12
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.12
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.13
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.13
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.13
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.14
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.14
6.85	0.55	0.36	0.08	9.45	0.93	0.73	0.14
6.90	0.56	0.37	0.08	9.50	0.94	0.74	0.15
6.95	0.56	0.37	0.08	9.55	0.95	0.75	0.15
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.15
7.05	0.57	0.38	0.08	9.65	0.98	0.77	0.16
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.16
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.16
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.16
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.17
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.17
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.17
7.40	0.62	0.42	0.09	10.00	1.06	0.85	0.18
7.45	0.62	0.43	0.09	10.05	1.07	0.86	0.18
7.50	0.63	0.44	0.09	10.10	1.09	0.87	0.18
7.55	0.64	0.44	0.09	10.15	1.10	0.89	0.19
7.60	0.64	0.45	0.09	10.20	1.11	0.90	0.19
7.65	0.65	0.45	0.09	10.25	1.13	0.91	0.19
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.20
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.20

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.20	13.00	4.42	4.18	0.38
10.45	1.18	0.97	0.21	13.05	4.44	4.20	0.36
10.50	1.20	0.98	0.21	13.10	4.46	4.23	0.34
10.55	1.21	1.00	0.22	13.15	4.48	4.25	0.32
10.60	1.23	1.02	0.23	13.20	4.50	4.27	0.31
10.65	1.25	1.03	0.25	13.25	4.52	4.29	0.30
10.70	1.27	1.05	0.26	13.30	4.54	4.31	0.29
10.75	1.29	1.07	0.27	13.35	4.56	4.33	0.27
10.80	1.31	1.09	0.28	13.40	4.58	4.34	0.26
10.85	1.33	1.11	0.30	13.45	4.60	4.36	0.25
10.90	1.35	1.13	0.31	13.50	4.61	4.38	0.24
10.95	1.37	1.15	0.32	13.55	4.63	4.39	0.22
11.00	1.39	1.18	0.33	13.60	4.64	4.41	0.22
11.05	1.42	1.20	0.36	13.65	4.66	4.42	0.21
11.10	1.45	1.23	0.37	13.70	4.67	4.43	0.21
11.15	1.48	1.26	0.40	13.75	4.68	4.45	0.20
11.20	1.51	1.29	0.42	13.80	4.70	4.46	0.20
11.25	1.54	1.32	0.45	13.85	4.71	4.48	0.20
11.30	1.57	1.35	0.46	13.90	4.72	4.49	0.20
11.35	1.61	1.38	0.49	13.95	4.74	4.50	0.19
11.40	1.64	1.42	0.51	14.00	4.75	4.51	0.19
11.45	1.68	1.46	0.53	14.05	4.76	4.53	0.18
11.50	1.72	1.49	0.55	14.10	4.78	4.54	0.18
11.55	1.78	1.55	0.72	14.15	4.79	4.55	0.18
11.60	1.83	1.61	0.84	14.20	4.80	4.56	0.18
11.65	1.90	1.67	0.87	14.25	4.81	4.57	0.17
11.70	1.96	1.73	0.90	14.30	4.82	4.59	0.17
11.75	2.04	1.82	1.08	14.35	4.83	4.60	0.17
11.80	2.13	1.90	1.22	14.40	4.85	4.61	0.16
11.85	2.25	2.02	1.50	14.45	4.86	4.62	0.16
11.90	2.36	2.13	1.70	14.50	4.87	4.63	0.16
11.95	2.57	2.34	2.42	14.55	4.88	4.64	0.15
12.00	2.77	2.54	2.92	14.60	4.89	4.65	0.15
12.05	3.11	2.88	4.08	14.65	4.90	4.66	0.15
12.10	3.45	3.21	**4.80**	14.70	4.91	4.67	0.14
12.15	3.56	3.33	3.08	14.75	4.92	4.68	0.14
12.20	3.68	3.45	1.85	14.80	4.93	4.69	0.14
12.25	3.77	3.53	1.45	14.85	4.94	4.70	0.13
12.30	3.85	3.62	1.25	14.90	4.94	4.71	0.13
12.35	3.91	3.68	1.04	14.95	4.95	4.72	0.13
12.40	3.98	3.74	0.91	15.00	4.96	4.72	0.13
12.45	4.03	3.80	0.88	15.05	4.97	4.73	0.12
12.50	4.09	3.86	0.85	15.10	4.98	4.74	0.12
12.55	4.13	3.90	0.68	15.15	4.99	4.75	0.12
12.60	4.17	3.93	0.56	15.20	4.99	4.76	0.12
12.65	4.20	3.97	0.53	15.25	5.00	4.76	0.12
12.70	4.24	4.00	0.52	15.30	5.01	4.77	0.12
12.75	4.27	4.04	0.49	15.35	5.02	4.78	0.11
12.80	4.30	4.07	0.47	15.40	5.03	4.79	0.11
12.85	4.33	4.10	0.45	15.45	5.03	4.80	0.11
12.90	4.36	4.13	0.43	15.50	5.04	4.80	0.11
12.95	4.39	4.15	0.40	15.55	5.05	4.81	0.11

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.11	18.20	5.37	5.13	0.07
15.65	5.06	4.83	0.11	18.25	5.37	5.14	0.07
15.70	5.07	4.83	0.11	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.11	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.11	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.11	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.11	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.10	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.10	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.10	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.10	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.10	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.10	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.10	18.85	5.43	5.19	0.06
16.30	5.16	4.92	0.10	18.90	5.43	5.19	0.06
16.35	5.16	4.92	0.10	18.95	5.44	5.20	0.06
16.40	5.17	4.93	0.10	19.00	5.44	5.20	0.06
16.45	5.17	4.94	0.10	19.05	5.44	5.21	0.06
16.50	5.18	4.94	0.09	19.10	5.45	5.21	0.06
16.55	5.19	4.95	0.09	19.15	5.45	5.22	0.06
16.60	5.19	4.96	0.09	19.20	5.46	5.22	0.06
16.65	5.20	4.96	0.09	19.25	5.46	5.22	0.06
16.70	5.21	4.97	0.09	19.30	5.47	5.23	0.06
16.75	5.21	4.98	0.09	19.35	5.47	5.23	0.06
16.80	5.22	4.98	0.09	19.40	5.48	5.24	0.06
16.85	5.23	4.99	0.09	19.45	5.48	5.24	0.06
16.90	5.23	4.99	0.09	19.50	5.48	5.25	0.06
16.95	5.24	5.00	0.09	19.55	5.49	5.25	0.06
17.00	5.24	5.01	0.09	19.60	5.49	5.25	0.06
17.05	5.25	5.01	0.09	19.65	5.50	5.26	0.06
17.10	5.25	5.02	0.09	19.70	5.50	5.26	0.06
17.15	5.26	5.02	0.08	19.75	5.50	5.27	0.06
17.20	5.27	5.03	0.08	19.80	5.51	5.27	0.06
17.25	5.27	5.03	0.08	19.85	5.51	5.28	0.06
17.30	5.28	5.04	0.08	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.08	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.08	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.08	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.08	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.08	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.08	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.08	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.07	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.07	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.07	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.07	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.07	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.07	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.07	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.07	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.07	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.04
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.04
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.04
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.04
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.04
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.04
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.04
21.35	5.63	5.39	0.05	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.05	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.05	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.05	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.05	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.05	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.05	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.05	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.05	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.05	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.05	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.05	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.05	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.05	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.05	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

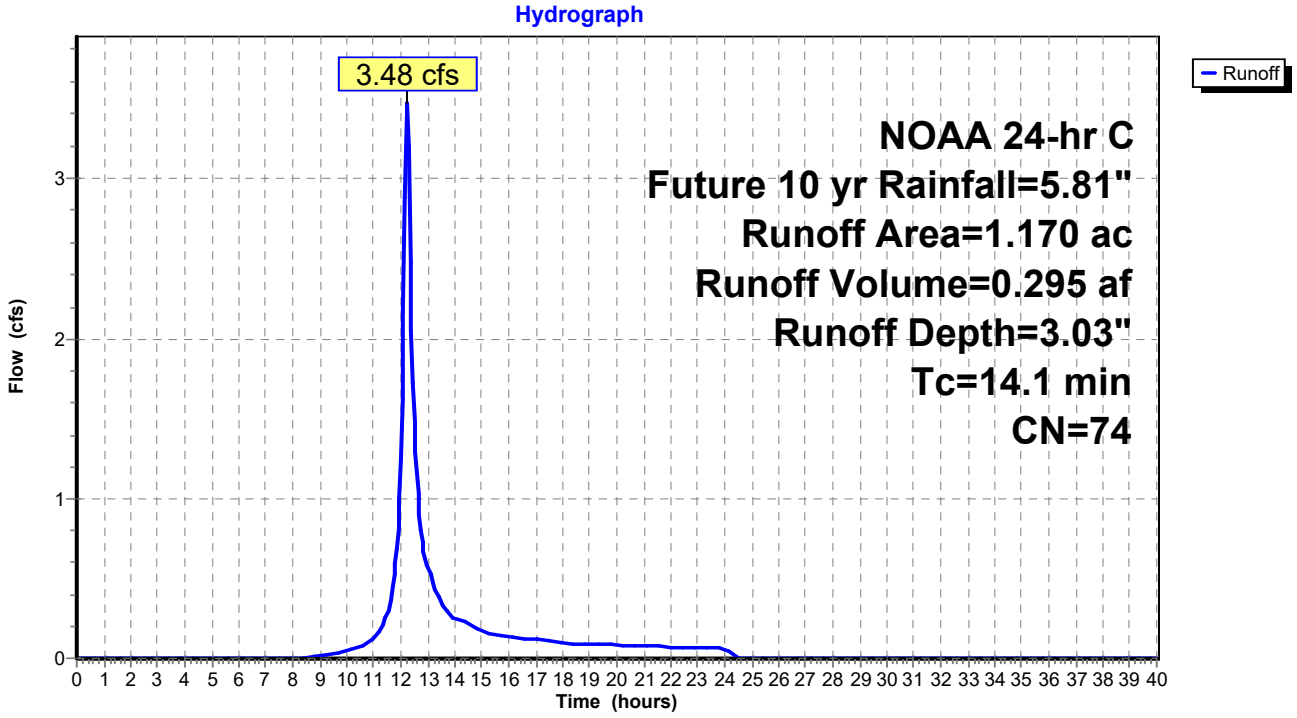
Runoff = 3.48 cfs @ 12.22 hrs, Volume= 0.295 af, Depth= 3.03"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.57
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.54
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.51
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.48
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.46
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.43
10.70	1.27	0.08	0.08	13.30	4.54	2.01	0.41
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.40
10.80	1.31	0.09	0.10	13.40	4.58	2.03	0.38
10.85	1.33	0.09	0.10	13.45	4.60	2.05	0.36
10.90	1.35	0.10	0.11	13.50	4.61	2.06	0.35
10.95	1.37	0.11	0.12	13.55	4.63	2.07	0.33
11.00	1.39	0.11	0.13	13.60	4.64	2.08	0.32
11.05	1.42	0.12	0.14	13.65	4.66	2.09	0.30
11.10	1.45	0.13	0.15	13.70	4.67	2.10	0.29
11.15	1.48	0.14	0.16	13.75	4.68	2.12	0.28
11.20	1.51	0.15	0.17	13.80	4.70	2.13	0.27
11.25	1.54	0.16	0.19	13.85	4.71	2.14	0.27
11.30	1.57	0.17	0.21	13.90	4.72	2.15	0.26
11.35	1.61	0.18	0.22	13.95	4.74	2.16	0.26
11.40	1.64	0.20	0.24	14.00	4.75	2.17	0.25
11.45	1.68	0.21	0.26	14.05	4.76	2.18	0.25
11.50	1.72	0.23	0.28	14.10	4.78	2.19	0.24
11.55	1.78	0.25	0.30	14.15	4.79	2.20	0.24
11.60	1.83	0.28	0.33	14.20	4.80	2.21	0.24
11.65	1.90	0.30	0.39	14.25	4.81	2.21	0.23
11.70	1.96	0.33	0.46	14.30	4.82	2.22	0.23
11.75	2.04	0.37	0.52	14.35	4.83	2.23	0.23
11.80	2.13	0.41	0.59	14.40	4.85	2.24	0.22
11.85	2.25	0.47	0.69	14.45	4.86	2.25	0.22
11.90	2.36	0.53	0.81	14.50	4.87	2.26	0.21
11.95	2.57	0.65	0.98	14.55	4.88	2.27	0.21
12.00	2.77	0.77	1.24	14.60	4.89	2.27	0.21
12.05	3.11	0.98	1.62	14.65	4.90	2.28	0.20
12.10	3.45	1.20	2.17	14.70	4.91	2.29	0.20
12.15	3.56	1.28	2.89	14.75	4.92	2.30	0.19
12.20	3.68	1.37	**3.41**	14.80	4.93	2.31	0.19
12.25	3.77	1.43	3.41	14.85	4.94	2.31	0.19
12.30	3.85	1.49	2.99	14.90	4.94	2.32	0.18
12.35	3.91	1.53	2.47	14.95	4.95	2.33	0.18
12.40	3.98	1.58	2.05	15.00	4.96	2.33	0.17
12.45	4.03	1.62	1.72	15.05	4.97	2.34	0.17
12.50	4.09	1.67	1.48	15.10	4.98	2.35	0.17
12.55	4.13	1.69	1.30	15.15	4.99	2.35	0.16
12.60	4.17	1.72	1.16	15.20	4.99	2.36	0.16
12.65	4.20	1.75	1.03	15.25	5.00	2.37	0.16
12.70	4.24	1.77	0.90	15.30	5.01	2.37	0.15
12.75	4.27	1.80	0.80	15.35	5.02	2.38	0.15
12.80	4.30	1.82	0.72	15.40	5.03	2.38	0.15
12.85	4.33	1.85	0.67	15.45	5.03	2.39	0.15
12.90	4.36	1.87	0.63	15.50	5.04	2.40	0.15
12.95	4.39	1.89	0.60	15.55	5.05	2.40	0.15

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.15	18.20	5.37	2.66	0.09
15.65	5.06	2.41	0.15	18.25	5.37	2.67	0.09
15.70	5.07	2.42	0.14	18.30	5.38	2.67	0.09
15.75	5.08	2.43	0.14	18.35	5.38	2.67	0.09
15.80	5.09	2.43	0.14	18.40	5.39	2.68	0.09
15.85	5.09	2.44	0.14	18.45	5.39	2.68	0.09
15.90	5.10	2.44	0.14	18.50	5.40	2.68	0.09
15.95	5.11	2.45	0.14	18.55	5.40	2.69	0.09
16.00	5.11	2.46	0.14	18.60	5.40	2.69	0.09
16.05	5.12	2.46	0.14	18.65	5.41	2.69	0.09
16.10	5.13	2.47	0.14	18.70	5.41	2.70	0.09
16.15	5.13	2.47	0.13	18.75	5.42	2.70	0.09
16.20	5.14	2.48	0.13	18.80	5.42	2.71	0.09
16.25	5.15	2.48	0.13	18.85	5.43	2.71	0.09
16.30	5.16	2.49	0.13	18.90	5.43	2.71	0.09
16.35	5.16	2.49	0.13	18.95	5.44	2.72	0.09
16.40	5.17	2.50	0.13	19.00	5.44	2.72	0.09
16.45	5.17	2.50	0.13	19.05	5.44	2.72	0.09
16.50	5.18	2.51	0.13	19.10	5.45	2.73	0.09
16.55	5.19	2.52	0.13	19.15	5.45	2.73	0.09
16.60	5.19	2.52	0.13	19.20	5.46	2.73	0.09
16.65	5.20	2.53	0.12	19.25	5.46	2.74	0.08
16.70	5.21	2.53	0.12	19.30	5.47	2.74	0.08
16.75	5.21	2.54	0.12	19.35	5.47	2.75	0.08
16.80	5.22	2.54	0.12	19.40	5.48	2.75	0.08
16.85	5.23	2.55	0.12	19.45	5.48	2.75	0.08
16.90	5.23	2.55	0.12	19.50	5.48	2.76	0.08
16.95	5.24	2.55	0.12	19.55	5.49	2.76	0.08
17.00	5.24	2.56	0.12	19.60	5.49	2.76	0.08
17.05	5.25	2.56	0.12	19.65	5.50	2.77	0.08
17.10	5.25	2.57	0.12	19.70	5.50	2.77	0.08
17.15	5.26	2.57	0.11	19.75	5.50	2.77	0.08
17.20	5.27	2.58	0.11	19.80	5.51	2.78	0.08
17.25	5.27	2.58	0.11	19.85	5.51	2.78	0.08
17.30	5.28	2.59	0.11	19.90	5.52	2.78	0.08
17.35	5.28	2.59	0.11	19.95	5.52	2.79	0.08
17.40	5.29	2.60	0.11	20.00	5.53	2.79	0.08
17.45	5.29	2.60	0.11	20.05	5.53	2.79	0.08
17.50	5.30	2.61	0.11	20.10	5.53	2.80	0.08
17.55	5.30	2.61	0.11	20.15	5.54	2.80	0.08
17.60	5.31	2.61	0.10	20.20	5.54	2.80	0.08
17.65	5.31	2.62	0.10	20.25	5.55	2.81	0.08
17.70	5.32	2.62	0.10	20.30	5.55	2.81	0.08
17.75	5.33	2.63	0.10	20.35	5.55	2.81	0.08
17.80	5.33	2.63	0.10	20.40	5.56	2.82	0.08
17.85	5.34	2.63	0.10	20.45	5.56	2.82	0.08
17.90	5.34	2.64	0.10	20.50	5.57	2.82	0.08
17.95	5.34	2.64	0.10	20.55	5.57	2.83	0.08
18.00	5.35	2.65	0.10	20.60	5.57	2.83	0.08
18.05	5.35	2.65	0.09	20.65	5.58	2.83	0.08
18.10	5.36	2.65	0.09	20.70	5.58	2.84	0.08
18.15	5.36	2.66	0.09	20.75	5.59	2.84	0.08

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.08	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.08	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.08	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.08	23.55	5.78	3.00	0.06
21.00	5.61	2.86	0.08	23.60	5.78	3.00	0.06
21.05	5.61	2.86	0.08	23.65	5.79	3.01	0.06
21.10	5.61	2.86	0.08	23.70	5.79	3.01	0.06
21.15	5.62	2.87	0.07	23.75	5.79	3.01	0.06
21.20	5.62	2.87	0.07	23.80	5.80	3.01	0.06
21.25	5.62	2.87	0.07	23.85	5.80	3.02	0.06
21.30	5.63	2.87	0.07	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.07	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.07	24.00	**5.81**	**3.03**	0.06
21.45	5.64	2.88	0.07	24.05	5.81	3.03	0.06
21.50	5.64	2.89	0.07	24.10	5.81	3.03	0.06
21.55	5.65	2.89	0.07	24.15	5.81	3.03	0.05
21.60	5.65	2.89	0.07	24.20	5.81	3.03	0.03
21.65	5.65	2.90	0.07	24.25	5.81	3.03	0.02
21.70	5.66	2.90	0.07	24.30	5.81	3.03	0.01
21.75	5.66	2.90	0.07	24.35	5.81	3.03	0.01
21.80	5.66	2.90	0.07	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.07	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.07	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.07	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.07	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.07	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.07	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.07	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.07	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.07	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.07	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.07	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.07	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.07	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.07	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.07	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.07	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.07	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.07	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.07	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

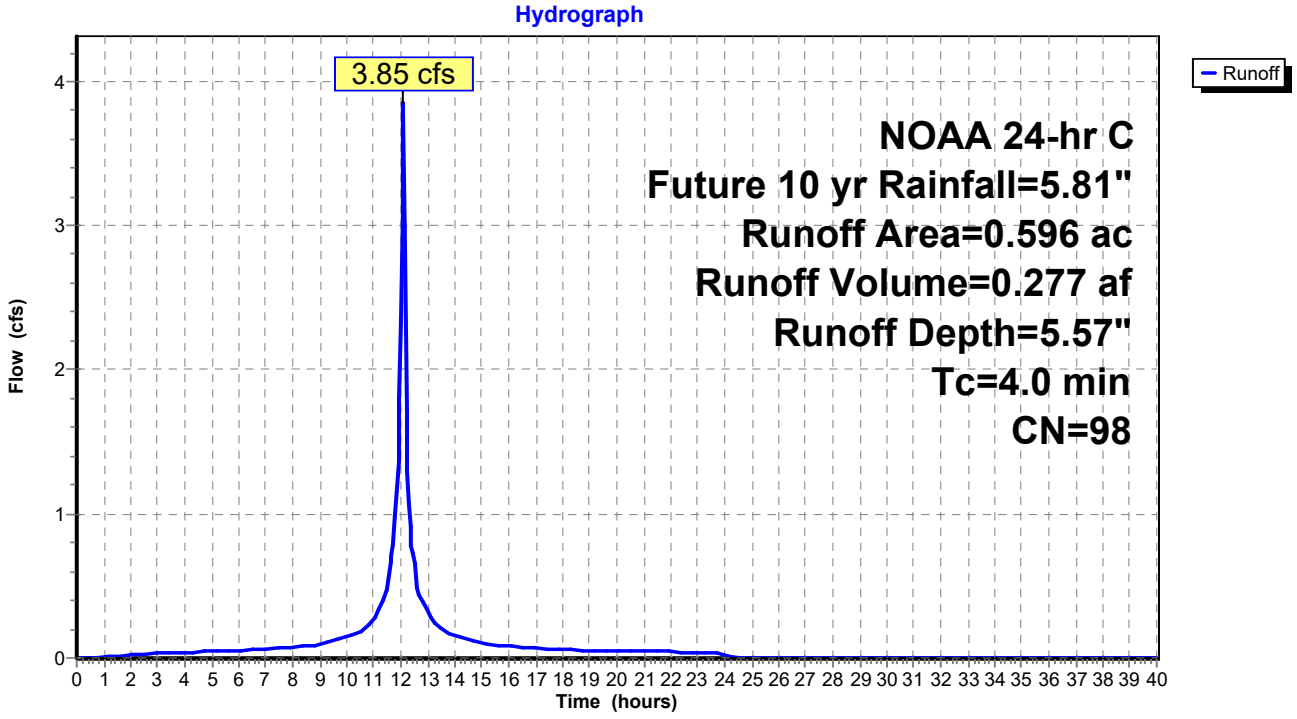
Runoff = 3.85 cfs @ 12.10 hrs, Volume= 0.277 af, Depth= 5.57"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.04
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.04
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.04
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.04
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.04
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.04
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.04
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.04
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.04
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.04
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.04
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.04
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.04
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.04
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.04
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.04
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.04
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.04
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.04
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.04
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.04
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.04
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.05
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.05

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.05	7.80	0.67	0.47	0.08
5.25	0.39	0.22	0.05	7.85	0.68	0.48	0.08
5.30	0.40	0.23	0.05	7.90	0.68	0.49	0.08
5.35	0.40	0.23	0.05	7.95	0.69	0.49	0.08
5.40	0.41	0.23	0.05	8.00	0.70	0.50	0.08
5.45	0.41	0.24	0.05	8.05	0.70	0.51	0.08
5.50	0.41	0.24	0.05	8.10	0.71	0.51	0.08
5.55	0.42	0.25	0.05	8.15	0.72	0.52	0.08
5.60	0.42	0.25	0.05	8.20	0.72	0.53	0.08
5.65	0.43	0.25	0.05	8.25	0.73	0.53	0.08
5.70	0.43	0.26	0.05	8.30	0.74	0.54	0.08
5.75	0.44	0.26	0.05	8.35	0.75	0.55	0.08
5.80	0.44	0.27	0.05	8.40	0.75	0.55	0.08
5.85	0.45	0.27	0.05	8.45	0.76	0.56	0.09
5.90	0.45	0.27	0.05	8.50	0.77	0.57	0.09
5.95	0.46	0.28	0.05	8.55	0.78	0.58	0.09
6.00	0.46	0.28	0.05	8.60	0.78	0.58	0.09
6.05	0.47	0.29	0.05	8.65	0.79	0.59	0.09
6.10	0.47	0.29	0.05	8.70	0.80	0.60	0.09
6.15	0.47	0.30	0.05	8.75	0.81	0.61	0.09
6.20	0.48	0.30	0.05	8.80	0.82	0.61	0.09
6.25	0.48	0.30	0.05	8.85	0.82	0.62	0.09
6.30	0.49	0.31	0.05	8.90	0.83	0.63	0.09
6.35	0.50	0.31	0.05	8.95	0.84	0.64	0.09
6.40	0.50	0.32	0.06	9.00	0.85	0.64	0.09
6.45	0.51	0.32	0.06	9.05	0.86	0.65	0.10
6.50	0.51	0.33	0.06	9.10	0.87	0.66	0.10
6.55	0.52	0.33	0.06	9.15	0.87	0.67	0.10
6.60	0.52	0.34	0.06	9.20	0.88	0.68	0.10
6.65	0.53	0.34	0.06	9.25	0.89	0.69	0.11
6.70	0.53	0.35	0.06	9.30	0.90	0.70	0.11
6.75	0.54	0.35	0.06	9.35	0.91	0.71	0.11
6.80	0.54	0.36	0.06	9.40	0.92	0.72	0.11
6.85	0.55	0.36	0.06	9.45	0.93	0.73	0.12
6.90	0.56	0.37	0.06	9.50	0.94	0.74	0.12
6.95	0.56	0.37	0.06	9.55	0.95	0.75	0.12
7.00	0.57	0.38	0.06	9.60	0.96	0.76	0.12
7.05	0.57	0.38	0.07	9.65	0.98	0.77	0.13
7.10	0.58	0.39	0.07	9.70	0.99	0.78	0.13
7.15	0.58	0.40	0.07	9.75	1.00	0.79	0.13
7.20	0.59	0.40	0.07	9.80	1.01	0.80	0.13
7.25	0.60	0.41	0.07	9.85	1.02	0.81	0.14
7.30	0.60	0.41	0.07	9.90	1.03	0.82	0.14
7.35	0.61	0.42	0.07	9.95	1.05	0.84	0.14
7.40	0.62	0.42	0.07	10.00	1.06	0.85	0.15
7.45	0.62	0.43	0.07	10.05	1.07	0.86	0.15
7.50	0.63	0.44	0.07	10.10	1.09	0.87	0.15
7.55	0.64	0.44	0.07	10.15	1.10	0.89	0.15
7.60	0.64	0.45	0.07	10.20	1.11	0.90	0.16
7.65	0.65	0.45	0.07	10.25	1.13	0.91	0.16
7.70	0.65	0.46	0.07	10.30	1.14	0.93	0.16
7.75	0.66	0.47	0.08	10.35	1.15	0.94	0.16

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.17	13.00	4.42	4.18	0.32
10.45	1.18	0.97	0.17	13.05	4.44	4.20	0.30
10.50	1.20	0.98	0.17	13.10	4.46	4.23	0.28
10.55	1.21	1.00	0.18	13.15	4.48	4.25	0.27
10.60	1.23	1.02	0.19	13.20	4.50	4.27	0.26
10.65	1.25	1.03	0.20	13.25	4.52	4.29	0.25
10.70	1.27	1.05	0.21	13.30	4.54	4.31	0.24
10.75	1.29	1.07	0.22	13.35	4.56	4.33	0.23
10.80	1.31	1.09	0.23	13.40	4.58	4.34	0.22
10.85	1.33	1.11	0.24	13.45	4.60	4.36	0.21
10.90	1.35	1.13	0.25	13.50	4.61	4.38	0.20
10.95	1.37	1.15	0.26	13.55	4.63	4.39	0.19
11.00	1.39	1.18	0.27	13.60	4.64	4.41	0.18
11.05	1.42	1.20	0.29	13.65	4.66	4.42	0.17
11.10	1.45	1.23	0.30	13.70	4.67	4.43	0.17
11.15	1.48	1.26	0.32	13.75	4.68	4.45	0.17
11.20	1.51	1.29	0.34	13.80	4.70	4.46	0.17
11.25	1.54	1.32	0.36	13.85	4.71	4.48	0.16
11.30	1.57	1.35	0.38	13.90	4.72	4.49	0.16
11.35	1.61	1.38	0.40	13.95	4.74	4.50	0.16
11.40	1.64	1.42	0.42	14.00	4.75	4.51	0.16
11.45	1.68	1.46	0.43	14.05	4.76	4.53	0.15
11.50	1.72	1.49	0.45	14.10	4.78	4.54	0.15
11.55	1.78	1.55	0.55	14.15	4.79	4.55	0.15
11.60	1.83	1.61	0.67	14.20	4.80	4.56	0.15
11.65	1.90	1.67	0.71	14.25	4.81	4.57	0.14
11.70	1.96	1.73	0.73	14.30	4.82	4.59	0.14
11.75	2.04	1.82	0.84	14.35	4.83	4.60	0.14
11.80	2.13	1.90	0.98	14.40	4.85	4.61	0.13
11.85	2.25	2.02	1.16	14.45	4.86	4.62	0.13
11.90	2.36	2.13	1.36	14.50	4.87	4.63	0.13
11.95	2.57	2.34	1.80	14.55	4.88	4.64	0.13
12.00	2.77	2.54	2.32	14.60	4.89	4.65	0.12
12.05	3.11	2.88	3.05	14.65	4.90	4.66	0.12
12.10	3.45	3.21	**3.85**	14.70	4.91	4.67	0.12
12.15	3.56	3.33	2.99	14.75	4.92	4.68	0.12
12.20	3.68	3.45	1.71	14.80	4.93	4.69	0.11
12.25	3.77	3.53	1.30	14.85	4.94	4.70	0.11
12.30	3.85	3.62	1.07	14.90	4.94	4.71	0.11
12.35	3.91	3.68	0.92	14.95	4.95	4.72	0.11
12.40	3.98	3.74	0.77	15.00	4.96	4.72	0.10
12.45	4.03	3.80	0.73	15.05	4.97	4.73	0.10
12.50	4.09	3.86	0.71	15.10	4.98	4.74	0.10
12.55	4.13	3.90	0.61	15.15	4.99	4.75	0.10
12.60	4.17	3.93	0.48	15.20	4.99	4.76	0.10
12.65	4.20	3.97	0.45	15.25	5.00	4.76	0.10
12.70	4.24	4.00	0.43	15.30	5.01	4.77	0.09
12.75	4.27	4.04	0.41	15.35	5.02	4.78	0.09
12.80	4.30	4.07	0.39	15.40	5.03	4.79	0.09
12.85	4.33	4.10	0.37	15.45	5.03	4.80	0.09
12.90	4.36	4.13	0.36	15.50	5.04	4.80	0.09
12.95	4.39	4.15	0.34	15.55	5.05	4.81	0.09

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.09	18.20	5.37	5.13	0.06
15.65	5.06	4.83	0.09	18.25	5.37	5.14	0.06
15.70	5.07	4.83	0.09	18.30	5.38	5.14	0.06
15.75	5.08	4.84	0.09	18.35	5.38	5.14	0.06
15.80	5.09	4.85	0.09	18.40	5.39	5.15	0.06
15.85	5.09	4.86	0.09	18.45	5.39	5.15	0.05
15.90	5.10	4.86	0.09	18.50	5.40	5.16	0.05
15.95	5.11	4.87	0.09	18.55	5.40	5.16	0.05
16.00	5.11	4.88	0.09	18.60	5.40	5.17	0.05
16.05	5.12	4.88	0.08	18.65	5.41	5.17	0.05
16.10	5.13	4.89	0.08	18.70	5.41	5.18	0.05
16.15	5.13	4.90	0.08	18.75	5.42	5.18	0.05
16.20	5.14	4.90	0.08	18.80	5.42	5.19	0.05
16.25	5.15	4.91	0.08	18.85	5.43	5.19	0.05
16.30	5.16	4.92	0.08	18.90	5.43	5.19	0.05
16.35	5.16	4.92	0.08	18.95	5.44	5.20	0.05
16.40	5.17	4.93	0.08	19.00	5.44	5.20	0.05
16.45	5.17	4.94	0.08	19.05	5.44	5.21	0.05
16.50	5.18	4.94	0.08	19.10	5.45	5.21	0.05
16.55	5.19	4.95	0.08	19.15	5.45	5.22	0.05
16.60	5.19	4.96	0.08	19.20	5.46	5.22	0.05
16.65	5.20	4.96	0.08	19.25	5.46	5.22	0.05
16.70	5.21	4.97	0.08	19.30	5.47	5.23	0.05
16.75	5.21	4.98	0.07	19.35	5.47	5.23	0.05
16.80	5.22	4.98	0.07	19.40	5.48	5.24	0.05
16.85	5.23	4.99	0.07	19.45	5.48	5.24	0.05
16.90	5.23	4.99	0.07	19.50	5.48	5.25	0.05
16.95	5.24	5.00	0.07	19.55	5.49	5.25	0.05
17.00	5.24	5.01	0.07	19.60	5.49	5.25	0.05
17.05	5.25	5.01	0.07	19.65	5.50	5.26	0.05
17.10	5.25	5.02	0.07	19.70	5.50	5.26	0.05
17.15	5.26	5.02	0.07	19.75	5.50	5.27	0.05
17.20	5.27	5.03	0.07	19.80	5.51	5.27	0.05
17.25	5.27	5.03	0.07	19.85	5.51	5.28	0.05
17.30	5.28	5.04	0.07	19.90	5.52	5.28	0.05
17.35	5.28	5.05	0.07	19.95	5.52	5.28	0.05
17.40	5.29	5.05	0.07	20.00	5.53	5.29	0.05
17.45	5.29	5.06	0.07	20.05	5.53	5.29	0.05
17.50	5.30	5.06	0.06	20.10	5.53	5.30	0.05
17.55	5.30	5.07	0.06	20.15	5.54	5.30	0.05
17.60	5.31	5.07	0.06	20.20	5.54	5.30	0.05
17.65	5.31	5.08	0.06	20.25	5.55	5.31	0.05
17.70	5.32	5.08	0.06	20.30	5.55	5.31	0.05
17.75	5.33	5.09	0.06	20.35	5.55	5.32	0.05
17.80	5.33	5.09	0.06	20.40	5.56	5.32	0.05
17.85	5.34	5.10	0.06	20.45	5.56	5.32	0.05
17.90	5.34	5.10	0.06	20.50	5.57	5.33	0.05
17.95	5.34	5.11	0.06	20.55	5.57	5.33	0.05
18.00	5.35	5.11	0.06	20.60	5.57	5.34	0.05
18.05	5.35	5.12	0.06	20.65	5.58	5.34	0.05
18.10	5.36	5.12	0.06	20.70	5.58	5.34	0.05
18.15	5.36	5.13	0.06	20.75	5.59	5.35	0.05

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.05	23.40	5.77	5.53	0.04
20.85	5.59	5.36	0.05	23.45	5.78	5.54	0.04
20.90	5.60	5.36	0.05	23.50	5.78	5.54	0.04
20.95	5.60	5.36	0.05	23.55	5.78	5.54	0.04
21.00	5.61	5.37	0.05	23.60	5.78	5.55	0.04
21.05	5.61	5.37	0.05	23.65	5.79	5.55	0.04
21.10	5.61	5.37	0.05	23.70	5.79	5.55	0.04
21.15	5.62	5.38	0.05	23.75	5.79	5.56	0.04
21.20	5.62	5.38	0.05	23.80	5.80	5.56	0.04
21.25	5.62	5.39	0.05	23.85	5.80	5.56	0.04
21.30	5.63	5.39	0.05	23.90	5.80	5.56	0.04
21.35	5.63	5.39	0.05	23.95	5.81	5.57	0.04
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.04
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.03
21.50	5.64	5.40	0.04	24.10	5.81	5.57	0.01
21.55	5.65	5.41	0.04	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.04	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.04	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.04	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.04	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.04	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.04	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.04	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.04	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.04	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.04	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.04	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.04	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.04	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.04	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.04	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.04	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.04	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.04	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.04	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.04	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.04	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.04	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.04	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.04	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.04	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.04	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.04	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.04	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.04	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.04	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.04	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.04	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.04	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.04	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.04	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.04	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

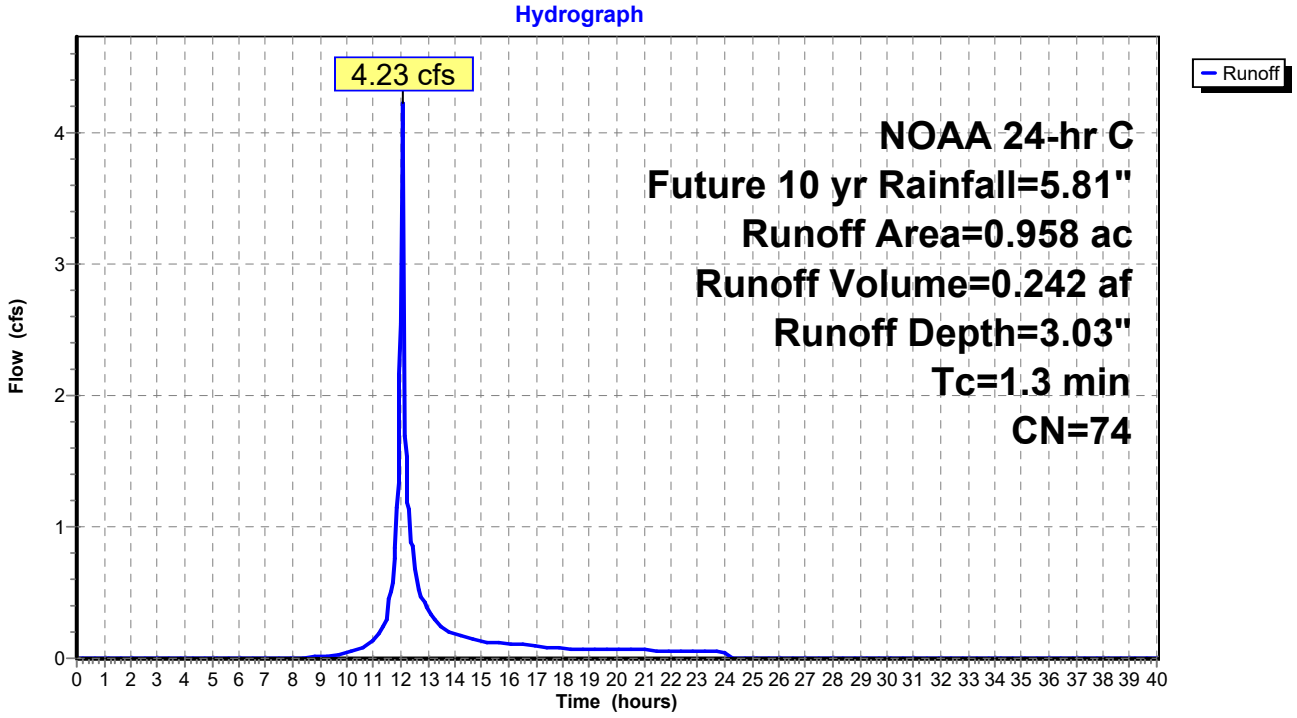
Runoff = 4.23 cfs @ 12.07 hrs, Volume= 0.242 af, Depth= 3.03"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.38
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.34
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.34
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.32
10.60	1.23	0.07	0.08	13.20	4.50	1.98	0.31
10.65	1.25	0.07	0.09	13.25	4.52	1.99	0.29
10.70	1.27	0.08	0.09	13.30	4.54	2.01	0.29
10.75	1.29	0.08	0.10	13.35	4.56	2.02	0.27
10.80	1.31	0.09	0.10	13.40	4.58	2.03	0.27
10.85	1.33	0.09	0.11	13.45	4.60	2.05	0.25
10.90	1.35	0.10	0.12	13.50	4.61	2.06	0.24
10.95	1.37	0.11	0.13	13.55	4.63	2.07	0.22
11.00	1.39	0.11	0.14	13.60	4.64	2.08	0.22
11.05	1.42	0.12	0.15	13.65	4.66	2.09	0.21
11.10	1.45	0.13	0.16	13.70	4.67	2.10	0.21
11.15	1.48	0.14	0.18	13.75	4.68	2.12	0.21
11.20	1.51	0.15	0.19	13.80	4.70	2.13	0.21
11.25	1.54	0.16	0.21	13.85	4.71	2.14	0.20
11.30	1.57	0.17	0.22	13.90	4.72	2.15	0.20
11.35	1.61	0.18	0.25	13.95	4.74	2.16	0.20
11.40	1.64	0.20	0.26	14.00	4.75	2.17	0.19
11.45	1.68	0.21	0.28	14.05	4.76	2.18	0.19
11.50	1.72	0.23	0.31	14.10	4.78	2.19	0.19
11.55	1.78	0.25	0.46	14.15	4.79	2.20	0.18
11.60	1.83	0.28	0.48	14.20	4.80	2.21	0.18
11.65	1.90	0.30	0.52	14.25	4.81	2.21	0.18
11.70	1.96	0.33	0.57	14.30	4.82	2.22	0.18
11.75	2.04	0.37	0.76	14.35	4.83	2.23	0.17
11.80	2.13	0.41	0.84	14.40	4.85	2.24	0.17
11.85	2.25	0.47	1.14	14.45	4.86	2.25	0.16
11.90	2.36	0.53	1.33	14.50	4.87	2.26	0.16
11.95	2.57	0.65	2.16	14.55	4.88	2.27	0.16
12.00	2.77	0.77	2.54	14.60	4.89	2.27	0.16
12.05	3.11	0.98	**4.07**	14.65	4.90	2.28	0.15
12.10	3.45	1.20	3.98	14.70	4.91	2.29	0.15
12.15	3.56	1.28	1.69	14.75	4.92	2.30	0.15
12.20	3.68	1.37	1.54	14.80	4.93	2.31	0.14
12.25	3.77	1.43	1.18	14.85	4.94	2.31	0.14
12.30	3.85	1.49	1.13	14.90	4.94	2.32	0.14
12.35	3.91	1.53	0.88	14.95	4.95	2.33	0.13
12.40	3.98	1.58	0.87	15.00	4.96	2.33	0.13
12.45	4.03	1.62	0.84	15.05	4.97	2.34	0.13
12.50	4.09	1.67	0.80	15.10	4.98	2.35	0.13
12.55	4.13	1.69	0.56	15.15	4.99	2.35	0.12
12.60	4.17	1.72	0.54	15.20	4.99	2.36	0.12
12.65	4.20	1.75	0.51	15.25	5.00	2.37	0.12
12.70	4.24	1.77	0.51	15.30	5.01	2.37	0.12
12.75	4.27	1.80	0.47	15.35	5.02	2.38	0.12
12.80	4.30	1.82	0.47	15.40	5.03	2.38	0.12
12.85	4.33	1.85	0.43	15.45	5.03	2.39	0.12
12.90	4.36	1.87	0.42	15.50	5.04	2.40	0.12
12.95	4.39	1.89	0.39	15.55	5.05	2.40	0.12

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.12	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.12	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.11	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.11	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.11	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.11	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.11	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.11	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.11	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.11	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.11	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.11	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.11	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.10	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.10	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.10	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.10	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.10	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.10	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.10	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.10	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.10	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.10	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.09	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.09	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.09	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.09	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.09	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.09	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.09	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.09	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.08	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.08	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.08	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.07	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

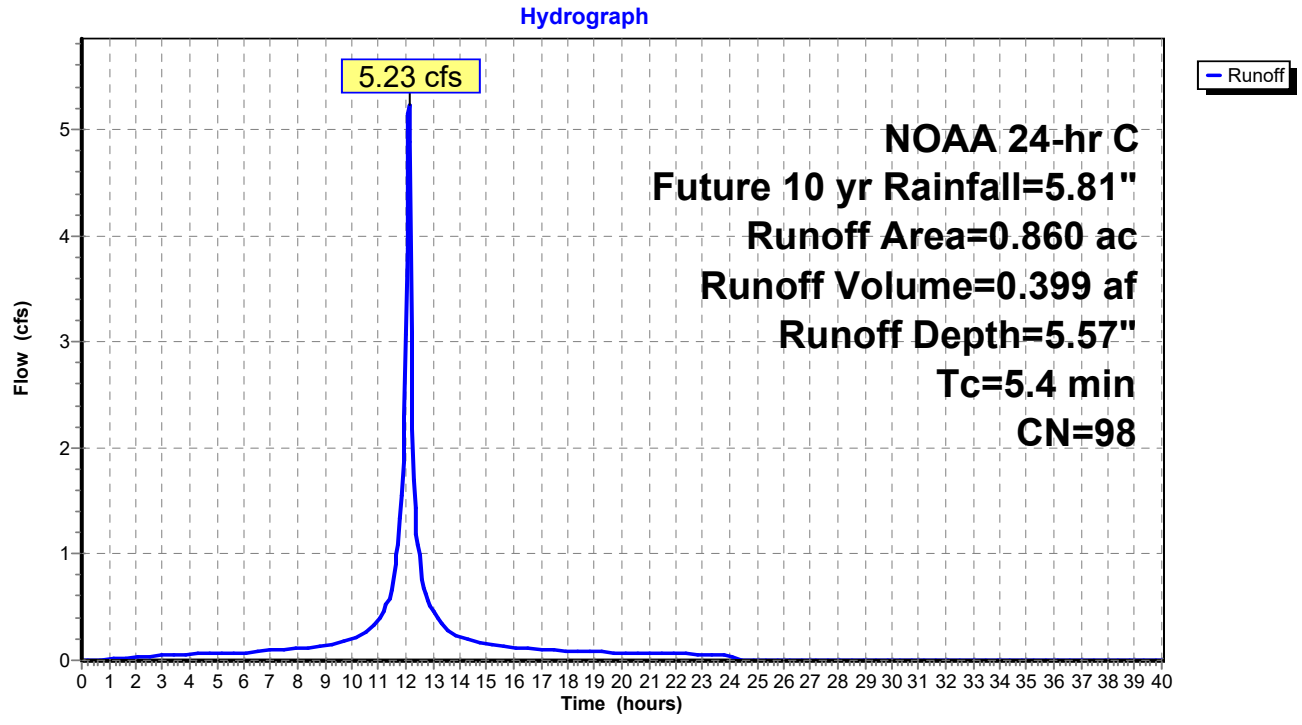
Runoff = 5.23 cfs @ 12.12 hrs, Volume= 0.399 af, Depth= 5.57"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.06
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.06
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.06
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.06
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.06
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.07
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.07

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.07	7.80	0.67	0.47	0.11
5.25	0.39	0.22	0.07	7.85	0.68	0.48	0.11
5.30	0.40	0.23	0.07	7.90	0.68	0.49	0.11
5.35	0.40	0.23	0.07	7.95	0.69	0.49	0.11
5.40	0.41	0.23	0.07	8.00	0.70	0.50	0.11
5.45	0.41	0.24	0.07	8.05	0.70	0.51	0.11
5.50	0.41	0.24	0.07	8.10	0.71	0.51	0.12
5.55	0.42	0.25	0.07	8.15	0.72	0.52	0.12
5.60	0.42	0.25	0.07	8.20	0.72	0.53	0.12
5.65	0.43	0.25	0.07	8.25	0.73	0.53	0.12
5.70	0.43	0.26	0.07	8.30	0.74	0.54	0.12
5.75	0.44	0.26	0.07	8.35	0.75	0.55	0.12
5.80	0.44	0.27	0.07	8.40	0.75	0.55	0.12
5.85	0.45	0.27	0.07	8.45	0.76	0.56	0.12
5.90	0.45	0.27	0.07	8.50	0.77	0.57	0.12
5.95	0.46	0.28	0.07	8.55	0.78	0.58	0.13
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.13
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.13
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.13
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.13
6.20	0.48	0.30	0.08	8.80	0.82	0.61	0.13
6.25	0.48	0.30	0.08	8.85	0.82	0.62	0.13
6.30	0.49	0.31	0.08	8.90	0.83	0.63	0.13
6.35	0.50	0.31	0.08	8.95	0.84	0.64	0.13
6.40	0.50	0.32	0.08	9.00	0.85	0.64	0.13
6.45	0.51	0.32	0.08	9.05	0.86	0.65	0.14
6.50	0.51	0.33	0.08	9.10	0.87	0.66	0.14
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.14
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.15
6.65	0.53	0.34	0.09	9.25	0.89	0.69	0.15
6.70	0.53	0.35	0.09	9.30	0.90	0.70	0.16
6.75	0.54	0.35	0.09	9.35	0.91	0.71	0.16
6.80	0.54	0.36	0.09	9.40	0.92	0.72	0.16
6.85	0.55	0.36	0.09	9.45	0.93	0.73	0.17
6.90	0.56	0.37	0.09	9.50	0.94	0.74	0.17
6.95	0.56	0.37	0.09	9.55	0.95	0.75	0.17
7.00	0.57	0.38	0.09	9.60	0.96	0.76	0.18
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.18
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.19
7.15	0.58	0.40	0.10	9.75	1.00	0.79	0.19
7.20	0.59	0.40	0.10	9.80	1.01	0.80	0.19
7.25	0.60	0.41	0.10	9.85	1.02	0.81	0.20
7.30	0.60	0.41	0.10	9.90	1.03	0.82	0.20
7.35	0.61	0.42	0.10	9.95	1.05	0.84	0.20
7.40	0.62	0.42	0.10	10.00	1.06	0.85	0.21
7.45	0.62	0.43	0.10	10.05	1.07	0.86	0.21
7.50	0.63	0.44	0.10	10.10	1.09	0.87	0.22
7.55	0.64	0.44	0.10	10.15	1.10	0.89	0.22
7.60	0.64	0.45	0.10	10.20	1.11	0.90	0.22
7.65	0.65	0.45	0.11	10.25	1.13	0.91	0.23
7.70	0.65	0.46	0.11	10.30	1.14	0.93	0.23
7.75	0.66	0.47	0.11	10.35	1.15	0.94	0.23

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.24	13.00	4.42	4.18	0.47
10.45	1.18	0.97	0.24	13.05	4.44	4.20	0.45
10.50	1.20	0.98	0.25	13.10	4.46	4.23	0.42
10.55	1.21	1.00	0.25	13.15	4.48	4.25	0.40
10.60	1.23	1.02	0.27	13.20	4.50	4.27	0.38
10.65	1.25	1.03	0.28	13.25	4.52	4.29	0.37
10.70	1.27	1.05	0.30	13.30	4.54	4.31	0.35
10.75	1.29	1.07	0.31	13.35	4.56	4.33	0.34
10.80	1.31	1.09	0.33	13.40	4.58	4.34	0.32
10.85	1.33	1.11	0.34	13.45	4.60	4.36	0.31
10.90	1.35	1.13	0.35	13.50	4.61	4.38	0.29
10.95	1.37	1.15	0.37	13.55	4.63	4.39	0.28
11.00	1.39	1.18	0.38	13.60	4.64	4.41	0.26
11.05	1.42	1.20	0.40	13.65	4.66	4.42	0.25
11.10	1.45	1.23	0.43	13.70	4.67	4.43	0.25
11.15	1.48	1.26	0.45	13.75	4.68	4.45	0.25
11.20	1.51	1.29	0.48	13.80	4.70	4.46	0.24
11.25	1.54	1.32	0.51	13.85	4.71	4.48	0.24
11.30	1.57	1.35	0.54	13.90	4.72	4.49	0.23
11.35	1.61	1.38	0.56	13.95	4.74	4.50	0.23
11.40	1.64	1.42	0.59	14.00	4.75	4.51	0.23
11.45	1.68	1.46	0.61	14.05	4.76	4.53	0.22
11.50	1.72	1.49	0.64	14.10	4.78	4.54	0.22
11.55	1.78	1.55	0.72	14.15	4.79	4.55	0.22
11.60	1.83	1.61	0.90	14.20	4.80	4.56	0.21
11.65	1.90	1.67	0.99	14.25	4.81	4.57	0.21
11.70	1.96	1.73	1.04	14.30	4.82	4.59	0.20
11.75	2.04	1.82	1.14	14.35	4.83	4.60	0.20
11.80	2.13	1.90	1.35	14.40	4.85	4.61	0.20
11.85	2.25	2.02	1.55	14.45	4.86	4.62	0.19
11.90	2.36	2.13	1.86	14.50	4.87	4.63	0.19
11.95	2.57	2.34	2.29	14.55	4.88	4.64	0.19
12.00	2.77	2.54	3.07	14.60	4.89	4.65	0.18
12.05	3.11	2.88	3.88	14.65	4.90	4.66	0.18
12.10	3.45	3.21	**5.15**	14.70	4.91	4.67	0.17
12.15	3.56	3.33	4.88	14.75	4.92	4.68	0.17
12.20	3.68	3.45	3.09	14.80	4.93	4.69	0.17
12.25	3.77	3.53	2.19	14.85	4.94	4.70	0.16
12.30	3.85	3.62	1.70	14.90	4.94	4.71	0.16
12.35	3.91	3.68	1.44	14.95	4.95	4.72	0.15
12.40	3.98	3.74	1.19	15.00	4.96	4.72	0.15
12.45	4.03	3.80	1.09	15.05	4.97	4.73	0.15
12.50	4.09	3.86	1.04	15.10	4.98	4.74	0.14
12.55	4.13	3.90	0.95	15.15	4.99	4.75	0.14
12.60	4.17	3.93	0.76	15.20	4.99	4.76	0.14
12.65	4.20	3.97	0.67	15.25	5.00	4.76	0.14
12.70	4.24	4.00	0.63	15.30	5.01	4.77	0.14
12.75	4.27	4.04	0.61	15.35	5.02	4.78	0.14
12.80	4.30	4.07	0.58	15.40	5.03	4.79	0.14
12.85	4.33	4.10	0.55	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.52	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.50	15.55	5.05	4.81	0.13

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.13	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.13	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.13	18.30	5.38	5.14	0.08
15.75	5.08	4.84	0.13	18.35	5.38	5.14	0.08
15.80	5.09	4.85	0.13	18.40	5.39	5.15	0.08
15.85	5.09	4.86	0.13	18.45	5.39	5.15	0.08
15.90	5.10	4.86	0.13	18.50	5.40	5.16	0.08
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.08
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.08
16.05	5.12	4.88	0.12	18.65	5.41	5.17	0.08
16.10	5.13	4.89	0.12	18.70	5.41	5.18	0.08
16.15	5.13	4.90	0.12	18.75	5.42	5.18	0.08
16.20	5.14	4.90	0.12	18.80	5.42	5.19	0.08
16.25	5.15	4.91	0.12	18.85	5.43	5.19	0.08
16.30	5.16	4.92	0.12	18.90	5.43	5.19	0.08
16.35	5.16	4.92	0.12	18.95	5.44	5.20	0.08
16.40	5.17	4.93	0.12	19.00	5.44	5.20	0.08
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.08
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.08
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.08
16.60	5.19	4.96	0.11	19.20	5.46	5.22	0.08
16.65	5.20	4.96	0.11	19.25	5.46	5.22	0.08
16.70	5.21	4.97	0.11	19.30	5.47	5.23	0.08
16.75	5.21	4.98	0.11	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.11	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.11	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.11	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.10	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.10	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.10	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.10	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.10	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.10	20.00	5.53	5.29	0.07
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.07
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.07
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.07
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.07
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.07
17.70	5.32	5.08	0.09	20.30	5.55	5.31	0.07
17.75	5.33	5.09	0.09	20.35	5.55	5.32	0.07
17.80	5.33	5.09	0.09	20.40	5.56	5.32	0.07
17.85	5.34	5.10	0.09	20.45	5.56	5.32	0.07
17.90	5.34	5.10	0.09	20.50	5.57	5.33	0.07
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.07
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.07
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.07
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.07
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.07

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.07	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.07	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.07	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.07	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.07	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.07	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.07	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.07	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.07	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.07	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.07	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.07	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.05
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.02
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.06	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.06	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.06	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.06	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.06	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.06	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.06	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.06	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.06	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

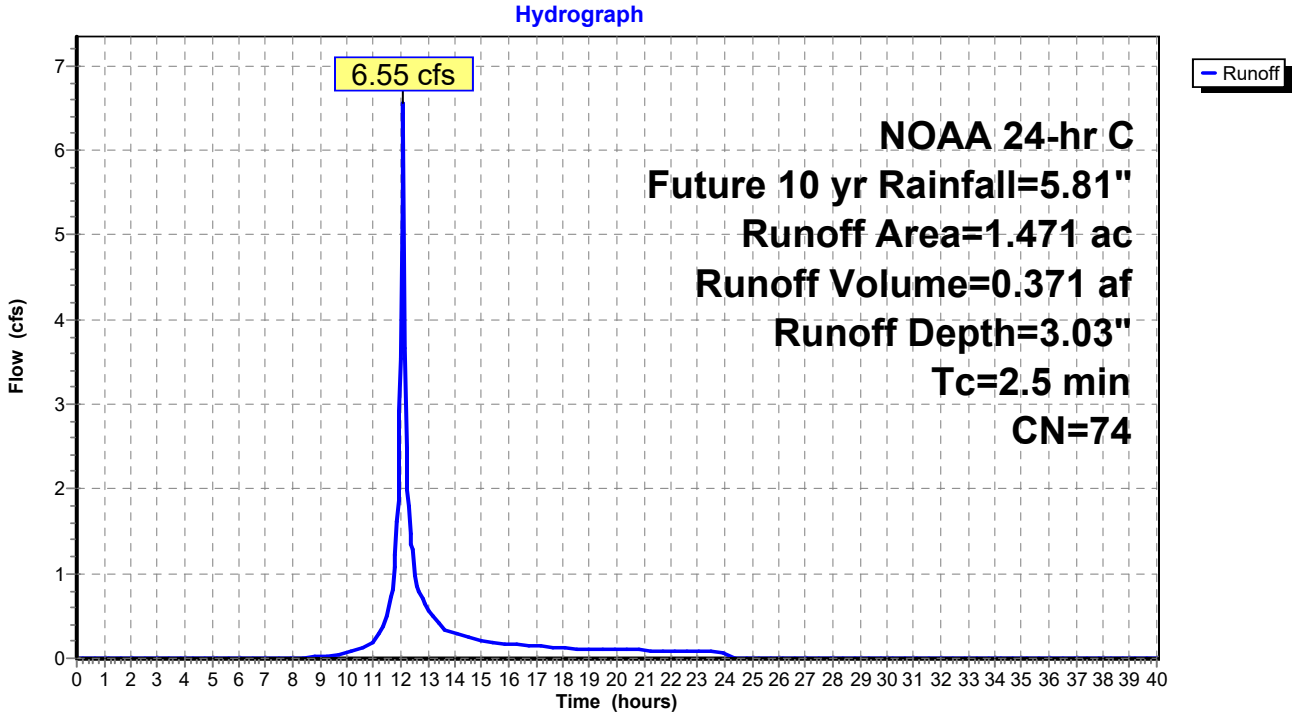
Runoff = 6.55 cfs @ 12.09 hrs, Volume= 0.371 af, Depth= 3.03"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.02
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.04
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.05
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.05
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.06
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.06
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.06
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.07
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.07
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.07
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.08
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.08
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.09

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.09	13.00	4.42	1.91	0.59
10.45	1.18	0.06	0.10	13.05	4.44	1.93	0.54
10.50	1.20	0.06	0.10	13.10	4.46	1.94	0.52
10.55	1.21	0.06	0.11	13.15	4.48	1.96	0.50
10.60	1.23	0.07	0.12	13.20	4.50	1.98	0.49
10.65	1.25	0.07	0.13	13.25	4.52	1.99	0.46
10.70	1.27	0.08	0.13	13.30	4.54	2.01	0.45
10.75	1.29	0.08	0.15	13.35	4.56	2.02	0.42
10.80	1.31	0.09	0.16	13.40	4.58	2.03	0.41
10.85	1.33	0.09	0.17	13.45	4.60	2.05	0.39
10.90	1.35	0.10	0.18	13.50	4.61	2.06	0.38
10.95	1.37	0.11	0.19	13.55	4.63	2.07	0.35
11.00	1.39	0.11	0.20	13.60	4.64	2.08	0.34
11.05	1.42	0.12	0.23	13.65	4.66	2.09	0.33
11.10	1.45	0.13	0.24	13.70	4.67	2.10	0.33
11.15	1.48	0.14	0.27	13.75	4.68	2.12	0.32
11.20	1.51	0.15	0.29	13.80	4.70	2.13	0.32
11.25	1.54	0.16	0.32	13.85	4.71	2.14	0.31
11.30	1.57	0.17	0.34	13.90	4.72	2.15	0.31
11.35	1.61	0.18	0.37	13.95	4.74	2.16	0.30
11.40	1.64	0.20	0.39	14.00	4.75	2.17	0.30
11.45	1.68	0.21	0.42	14.05	4.76	2.18	0.29
11.50	1.72	0.23	0.44	14.10	4.78	2.19	0.29
11.55	1.78	0.25	0.63	14.15	4.79	2.20	0.28
11.60	1.83	0.28	0.72	14.20	4.80	2.21	0.28
11.65	1.90	0.30	0.78	14.25	4.81	2.21	0.27
11.70	1.96	0.33	0.83	14.30	4.82	2.22	0.27
11.75	2.04	0.37	1.07	14.35	4.83	2.23	0.26
11.80	2.13	0.41	1.22	14.40	4.85	2.24	0.26
11.85	2.25	0.47	1.61	14.45	4.86	2.25	0.26
11.90	2.36	0.53	1.85	14.50	4.87	2.26	0.25
11.95	2.57	0.65	2.92	14.55	4.88	2.27	0.25
12.00	2.77	0.77	3.54	14.60	4.89	2.27	0.24
12.05	3.11	0.98	5.51	14.65	4.90	2.28	0.23
12.10	3.45	1.20	**6.44**	14.70	4.91	2.29	0.23
12.15	3.56	1.28	3.65	14.75	4.92	2.30	0.23
12.20	3.68	1.37	2.48	14.80	4.93	2.31	0.22
12.25	3.77	1.43	1.98	14.85	4.94	2.31	0.22
12.30	3.85	1.49	1.80	14.90	4.94	2.32	0.21
12.35	3.91	1.53	1.47	14.95	4.95	2.33	0.20
12.40	3.98	1.58	1.34	15.00	4.96	2.33	0.20
12.45	4.03	1.62	1.30	15.05	4.97	2.34	0.20
12.50	4.09	1.67	1.27	15.10	4.98	2.35	0.19
12.55	4.13	1.69	0.96	15.15	4.99	2.35	0.19
12.60	4.17	1.72	0.84	15.20	4.99	2.36	0.19
12.65	4.20	1.75	0.80	15.25	5.00	2.37	0.19
12.70	4.24	1.77	0.79	15.30	5.01	2.37	0.19
12.75	4.27	1.80	0.74	15.35	5.02	2.38	0.19
12.80	4.30	1.82	0.72	15.40	5.03	2.38	0.19
12.85	4.33	1.85	0.68	15.45	5.03	2.39	0.18
12.90	4.36	1.87	0.66	15.50	5.04	2.40	0.18
12.95	4.39	1.89	0.61	15.55	5.05	2.40	0.18

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.18	18.20	5.37	2.66	0.11
15.65	5.06	2.41	0.18	18.25	5.37	2.67	0.11
15.70	5.07	2.42	0.18	18.30	5.38	2.67	0.11
15.75	5.08	2.43	0.17	18.35	5.38	2.67	0.11
15.80	5.09	2.43	0.17	18.40	5.39	2.68	0.11
15.85	5.09	2.44	0.17	18.45	5.39	2.68	0.11
15.90	5.10	2.44	0.17	18.50	5.40	2.68	0.11
15.95	5.11	2.45	0.17	18.55	5.40	2.69	0.11
16.00	5.11	2.46	0.17	18.60	5.40	2.69	0.11
16.05	5.12	2.46	0.17	18.65	5.41	2.69	0.11
16.10	5.13	2.47	0.17	18.70	5.41	2.70	0.11
16.15	5.13	2.47	0.17	18.75	5.42	2.70	0.11
16.20	5.14	2.48	0.16	18.80	5.42	2.71	0.11
16.25	5.15	2.48	0.16	18.85	5.43	2.71	0.11
16.30	5.16	2.49	0.16	18.90	5.43	2.71	0.11
16.35	5.16	2.49	0.16	18.95	5.44	2.72	0.11
16.40	5.17	2.50	0.16	19.00	5.44	2.72	0.11
16.45	5.17	2.50	0.16	19.05	5.44	2.72	0.11
16.50	5.18	2.51	0.16	19.10	5.45	2.73	0.11
16.55	5.19	2.52	0.15	19.15	5.45	2.73	0.11
16.60	5.19	2.52	0.15	19.20	5.46	2.73	0.11
16.65	5.20	2.53	0.15	19.25	5.46	2.74	0.11
16.70	5.21	2.53	0.15	19.30	5.47	2.74	0.11
16.75	5.21	2.54	0.15	19.35	5.47	2.75	0.10
16.80	5.22	2.54	0.15	19.40	5.48	2.75	0.10
16.85	5.23	2.55	0.15	19.45	5.48	2.75	0.10
16.90	5.23	2.55	0.15	19.50	5.48	2.76	0.10
16.95	5.24	2.55	0.14	19.55	5.49	2.76	0.10
17.00	5.24	2.56	0.14	19.60	5.49	2.76	0.10
17.05	5.25	2.56	0.14	19.65	5.50	2.77	0.10
17.10	5.25	2.57	0.14	19.70	5.50	2.77	0.10
17.15	5.26	2.57	0.14	19.75	5.50	2.77	0.10
17.20	5.27	2.58	0.14	19.80	5.51	2.78	0.10
17.25	5.27	2.58	0.14	19.85	5.51	2.78	0.10
17.30	5.28	2.59	0.13	19.90	5.52	2.78	0.10
17.35	5.28	2.59	0.13	19.95	5.52	2.79	0.10
17.40	5.29	2.60	0.13	20.00	5.53	2.79	0.10
17.45	5.29	2.60	0.13	20.05	5.53	2.79	0.10
17.50	5.30	2.61	0.13	20.10	5.53	2.80	0.10
17.55	5.30	2.61	0.13	20.15	5.54	2.80	0.10
17.60	5.31	2.61	0.13	20.20	5.54	2.80	0.10
17.65	5.31	2.62	0.12	20.25	5.55	2.81	0.10
17.70	5.32	2.62	0.12	20.30	5.55	2.81	0.10
17.75	5.33	2.63	0.12	20.35	5.55	2.81	0.10
17.80	5.33	2.63	0.12	20.40	5.56	2.82	0.10
17.85	5.34	2.63	0.12	20.45	5.56	2.82	0.10
17.90	5.34	2.64	0.12	20.50	5.57	2.82	0.10
17.95	5.34	2.64	0.12	20.55	5.57	2.83	0.10
18.00	5.35	2.65	0.12	20.60	5.57	2.83	0.10
18.05	5.35	2.65	0.11	20.65	5.58	2.83	0.10
18.10	5.36	2.65	0.11	20.70	5.58	2.84	0.10
18.15	5.36	2.66	0.11	20.75	5.59	2.84	0.10

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.10	23.40	5.77	2.99	0.08
20.85	5.59	2.85	0.09	23.45	5.78	3.00	0.08
20.90	5.60	2.85	0.09	23.50	5.78	3.00	0.08
20.95	5.60	2.85	0.09	23.55	5.78	3.00	0.08
21.00	5.61	2.86	0.09	23.60	5.78	3.00	0.08
21.05	5.61	2.86	0.09	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.09	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.09	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.09	23.80	5.80	3.01	0.07
21.25	5.62	2.87	0.09	23.85	5.80	3.02	0.07
21.30	5.63	2.87	0.09	23.90	5.80	3.02	0.07
21.35	5.63	2.88	0.09	23.95	5.81	3.02	0.09
21.40	5.64	2.88	0.09	24.00	**5.81**	**3.03**	0.09
21.45	5.64	2.88	0.09	24.05	5.81	3.03	0.03
21.50	5.64	2.89	0.09	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.09	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.09	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.09	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.09	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.09	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.09	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.09	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.09	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.09	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.09	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.09	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.09	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.09	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.09	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.09	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.09	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.08	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.08	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.08	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.08	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.08	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.08	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.08	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.08	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.08	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.08	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.08	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.08	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.08	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.08	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.08	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.08	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.08	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.08	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.08	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.08	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.08	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

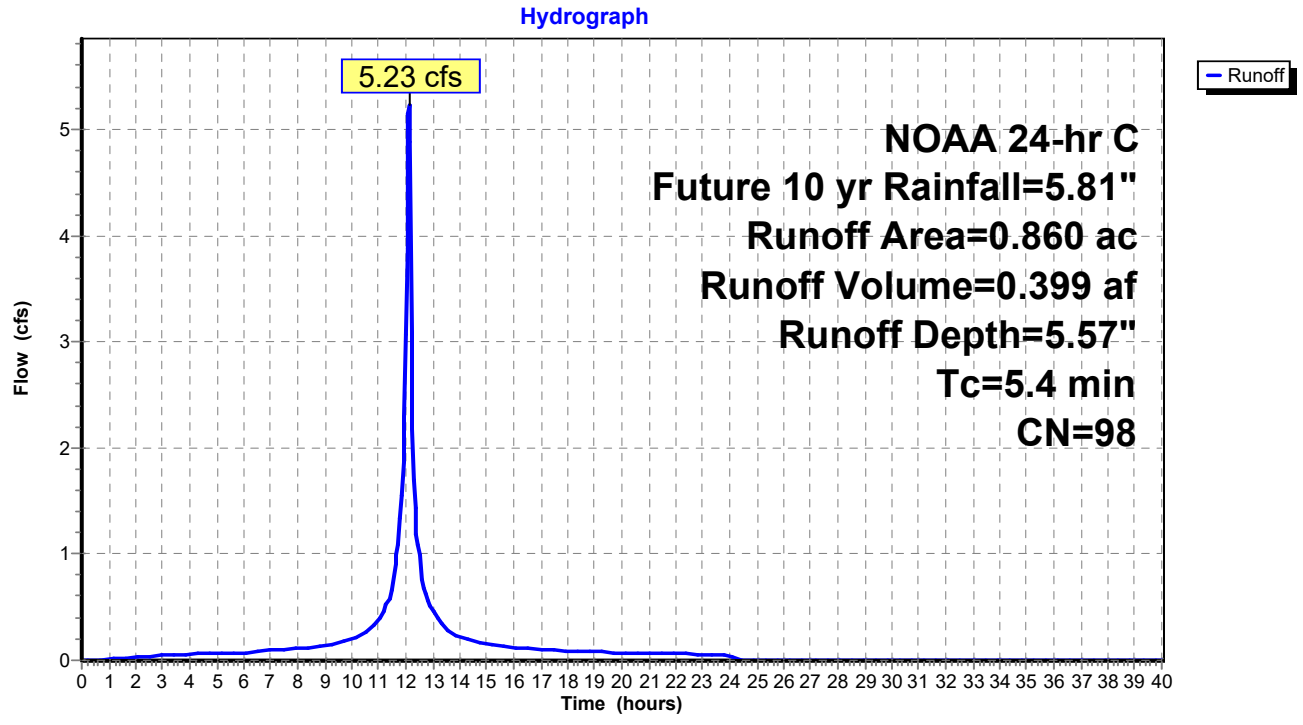
Runoff = 5.23 cfs @ 12.12 hrs, Volume= 0.399 af, Depth= 5.57"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.06
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.06
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.06
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.06
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.06
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.07
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.07

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.07	7.80	0.67	0.47	0.11
5.25	0.39	0.22	0.07	7.85	0.68	0.48	0.11
5.30	0.40	0.23	0.07	7.90	0.68	0.49	0.11
5.35	0.40	0.23	0.07	7.95	0.69	0.49	0.11
5.40	0.41	0.23	0.07	8.00	0.70	0.50	0.11
5.45	0.41	0.24	0.07	8.05	0.70	0.51	0.11
5.50	0.41	0.24	0.07	8.10	0.71	0.51	0.12
5.55	0.42	0.25	0.07	8.15	0.72	0.52	0.12
5.60	0.42	0.25	0.07	8.20	0.72	0.53	0.12
5.65	0.43	0.25	0.07	8.25	0.73	0.53	0.12
5.70	0.43	0.26	0.07	8.30	0.74	0.54	0.12
5.75	0.44	0.26	0.07	8.35	0.75	0.55	0.12
5.80	0.44	0.27	0.07	8.40	0.75	0.55	0.12
5.85	0.45	0.27	0.07	8.45	0.76	0.56	0.12
5.90	0.45	0.27	0.07	8.50	0.77	0.57	0.12
5.95	0.46	0.28	0.07	8.55	0.78	0.58	0.13
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.13
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.13
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.13
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.13
6.20	0.48	0.30	0.08	8.80	0.82	0.61	0.13
6.25	0.48	0.30	0.08	8.85	0.82	0.62	0.13
6.30	0.49	0.31	0.08	8.90	0.83	0.63	0.13
6.35	0.50	0.31	0.08	8.95	0.84	0.64	0.13
6.40	0.50	0.32	0.08	9.00	0.85	0.64	0.13
6.45	0.51	0.32	0.08	9.05	0.86	0.65	0.14
6.50	0.51	0.33	0.08	9.10	0.87	0.66	0.14
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.14
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.15
6.65	0.53	0.34	0.09	9.25	0.89	0.69	0.15
6.70	0.53	0.35	0.09	9.30	0.90	0.70	0.16
6.75	0.54	0.35	0.09	9.35	0.91	0.71	0.16
6.80	0.54	0.36	0.09	9.40	0.92	0.72	0.16
6.85	0.55	0.36	0.09	9.45	0.93	0.73	0.17
6.90	0.56	0.37	0.09	9.50	0.94	0.74	0.17
6.95	0.56	0.37	0.09	9.55	0.95	0.75	0.17
7.00	0.57	0.38	0.09	9.60	0.96	0.76	0.18
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.18
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.19
7.15	0.58	0.40	0.10	9.75	1.00	0.79	0.19
7.20	0.59	0.40	0.10	9.80	1.01	0.80	0.19
7.25	0.60	0.41	0.10	9.85	1.02	0.81	0.20
7.30	0.60	0.41	0.10	9.90	1.03	0.82	0.20
7.35	0.61	0.42	0.10	9.95	1.05	0.84	0.20
7.40	0.62	0.42	0.10	10.00	1.06	0.85	0.21
7.45	0.62	0.43	0.10	10.05	1.07	0.86	0.21
7.50	0.63	0.44	0.10	10.10	1.09	0.87	0.22
7.55	0.64	0.44	0.10	10.15	1.10	0.89	0.22
7.60	0.64	0.45	0.10	10.20	1.11	0.90	0.22
7.65	0.65	0.45	0.11	10.25	1.13	0.91	0.23
7.70	0.65	0.46	0.11	10.30	1.14	0.93	0.23
7.75	0.66	0.47	0.11	10.35	1.15	0.94	0.23

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.24	13.00	4.42	4.18	0.47
10.45	1.18	0.97	0.24	13.05	4.44	4.20	0.45
10.50	1.20	0.98	0.25	13.10	4.46	4.23	0.42
10.55	1.21	1.00	0.25	13.15	4.48	4.25	0.40
10.60	1.23	1.02	0.27	13.20	4.50	4.27	0.38
10.65	1.25	1.03	0.28	13.25	4.52	4.29	0.37
10.70	1.27	1.05	0.30	13.30	4.54	4.31	0.35
10.75	1.29	1.07	0.31	13.35	4.56	4.33	0.34
10.80	1.31	1.09	0.33	13.40	4.58	4.34	0.32
10.85	1.33	1.11	0.34	13.45	4.60	4.36	0.31
10.90	1.35	1.13	0.35	13.50	4.61	4.38	0.29
10.95	1.37	1.15	0.37	13.55	4.63	4.39	0.28
11.00	1.39	1.18	0.38	13.60	4.64	4.41	0.26
11.05	1.42	1.20	0.40	13.65	4.66	4.42	0.25
11.10	1.45	1.23	0.43	13.70	4.67	4.43	0.25
11.15	1.48	1.26	0.45	13.75	4.68	4.45	0.25
11.20	1.51	1.29	0.48	13.80	4.70	4.46	0.24
11.25	1.54	1.32	0.51	13.85	4.71	4.48	0.24
11.30	1.57	1.35	0.54	13.90	4.72	4.49	0.23
11.35	1.61	1.38	0.56	13.95	4.74	4.50	0.23
11.40	1.64	1.42	0.59	14.00	4.75	4.51	0.23
11.45	1.68	1.46	0.61	14.05	4.76	4.53	0.22
11.50	1.72	1.49	0.64	14.10	4.78	4.54	0.22
11.55	1.78	1.55	0.72	14.15	4.79	4.55	0.22
11.60	1.83	1.61	0.90	14.20	4.80	4.56	0.21
11.65	1.90	1.67	0.99	14.25	4.81	4.57	0.21
11.70	1.96	1.73	1.04	14.30	4.82	4.59	0.20
11.75	2.04	1.82	1.14	14.35	4.83	4.60	0.20
11.80	2.13	1.90	1.35	14.40	4.85	4.61	0.20
11.85	2.25	2.02	1.55	14.45	4.86	4.62	0.19
11.90	2.36	2.13	1.86	14.50	4.87	4.63	0.19
11.95	2.57	2.34	2.29	14.55	4.88	4.64	0.19
12.00	2.77	2.54	3.07	14.60	4.89	4.65	0.18
12.05	3.11	2.88	3.88	14.65	4.90	4.66	0.18
12.10	3.45	3.21	**5.15**	14.70	4.91	4.67	0.17
12.15	3.56	3.33	4.88	14.75	4.92	4.68	0.17
12.20	3.68	3.45	3.09	14.80	4.93	4.69	0.17
12.25	3.77	3.53	2.19	14.85	4.94	4.70	0.16
12.30	3.85	3.62	1.70	14.90	4.94	4.71	0.16
12.35	3.91	3.68	1.44	14.95	4.95	4.72	0.15
12.40	3.98	3.74	1.19	15.00	4.96	4.72	0.15
12.45	4.03	3.80	1.09	15.05	4.97	4.73	0.15
12.50	4.09	3.86	1.04	15.10	4.98	4.74	0.14
12.55	4.13	3.90	0.95	15.15	4.99	4.75	0.14
12.60	4.17	3.93	0.76	15.20	4.99	4.76	0.14
12.65	4.20	3.97	0.67	15.25	5.00	4.76	0.14
12.70	4.24	4.00	0.63	15.30	5.01	4.77	0.14
12.75	4.27	4.04	0.61	15.35	5.02	4.78	0.14
12.80	4.30	4.07	0.58	15.40	5.03	4.79	0.14
12.85	4.33	4.10	0.55	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.52	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.50	15.55	5.05	4.81	0.13

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.13	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.13	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.13	18.30	5.38	5.14	0.08
15.75	5.08	4.84	0.13	18.35	5.38	5.14	0.08
15.80	5.09	4.85	0.13	18.40	5.39	5.15	0.08
15.85	5.09	4.86	0.13	18.45	5.39	5.15	0.08
15.90	5.10	4.86	0.13	18.50	5.40	5.16	0.08
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.08
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.08
16.05	5.12	4.88	0.12	18.65	5.41	5.17	0.08
16.10	5.13	4.89	0.12	18.70	5.41	5.18	0.08
16.15	5.13	4.90	0.12	18.75	5.42	5.18	0.08
16.20	5.14	4.90	0.12	18.80	5.42	5.19	0.08
16.25	5.15	4.91	0.12	18.85	5.43	5.19	0.08
16.30	5.16	4.92	0.12	18.90	5.43	5.19	0.08
16.35	5.16	4.92	0.12	18.95	5.44	5.20	0.08
16.40	5.17	4.93	0.12	19.00	5.44	5.20	0.08
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.08
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.08
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.08
16.60	5.19	4.96	0.11	19.20	5.46	5.22	0.08
16.65	5.20	4.96	0.11	19.25	5.46	5.22	0.08
16.70	5.21	4.97	0.11	19.30	5.47	5.23	0.08
16.75	5.21	4.98	0.11	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.11	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.11	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.11	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.10	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.10	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.10	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.10	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.10	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.10	20.00	5.53	5.29	0.07
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.07
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.07
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.07
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.07
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.07
17.70	5.32	5.08	0.09	20.30	5.55	5.31	0.07
17.75	5.33	5.09	0.09	20.35	5.55	5.32	0.07
17.80	5.33	5.09	0.09	20.40	5.56	5.32	0.07
17.85	5.34	5.10	0.09	20.45	5.56	5.32	0.07
17.90	5.34	5.10	0.09	20.50	5.57	5.33	0.07
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.07
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.07
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.07
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.07
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.07

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.07	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.07	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.07	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.07	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.07	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.07	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.07	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.07	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.07	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.07	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.07	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.07	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.05
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.02
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.06	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.06	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.06	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.06	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.06	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.06	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.06	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.06	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.06	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

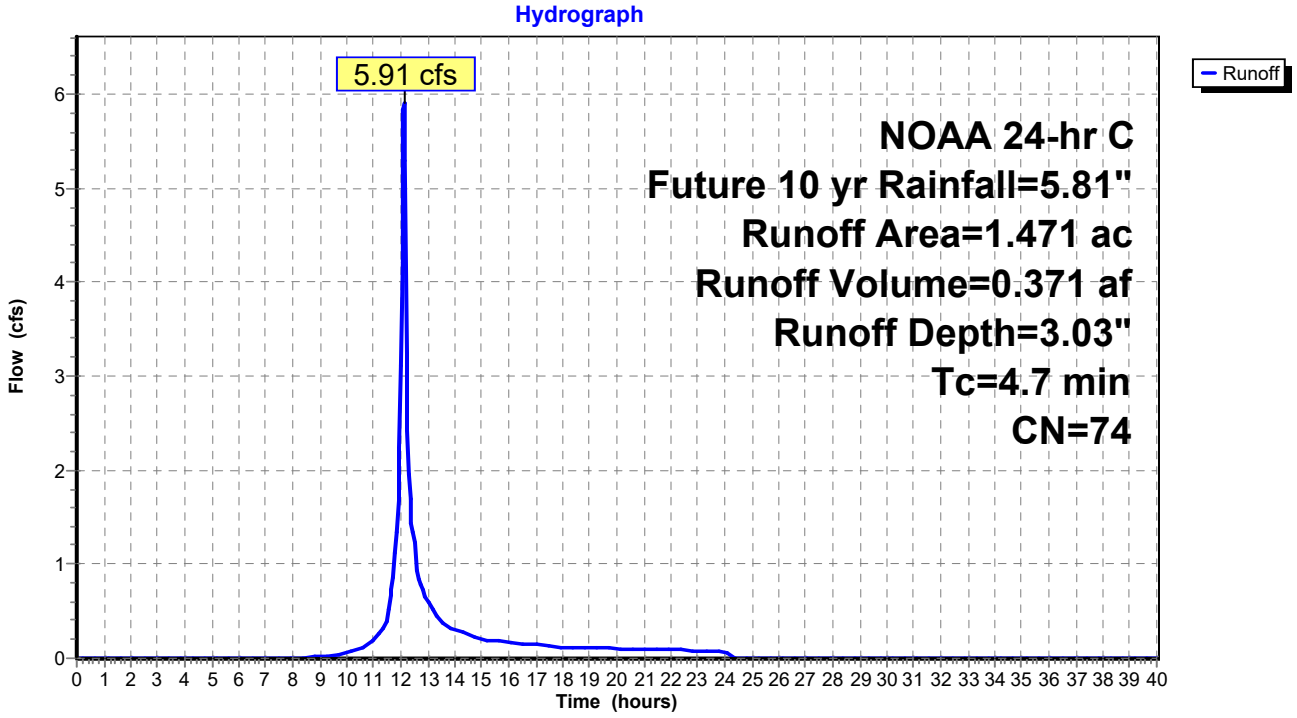
Runoff = 5.91 cfs @ 12.11 hrs, Volume= 0.371 af, Depth= 3.03"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.02
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.04
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.05
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.05
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.05
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.06
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.06
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.06
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.07
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.07
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.07
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.08
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.09

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.09	13.00	4.42	1.91	0.60
10.45	1.18	0.06	0.09	13.05	4.44	1.93	0.57
10.50	1.20	0.06	0.10	13.10	4.46	1.94	0.54
10.55	1.21	0.06	0.10	13.15	4.48	1.96	0.52
10.60	1.23	0.07	0.11	13.20	4.50	1.98	0.49
10.65	1.25	0.07	0.12	13.25	4.52	1.99	0.48
10.70	1.27	0.08	0.13	13.30	4.54	2.01	0.46
10.75	1.29	0.08	0.14	13.35	4.56	2.02	0.44
10.80	1.31	0.09	0.15	13.40	4.58	2.03	0.42
10.85	1.33	0.09	0.16	13.45	4.60	2.05	0.40
10.90	1.35	0.10	0.17	13.50	4.61	2.06	0.38
10.95	1.37	0.11	0.18	13.55	4.63	2.07	0.37
11.00	1.39	0.11	0.20	13.60	4.64	2.08	0.35
11.05	1.42	0.12	0.21	13.65	4.66	2.09	0.34
11.10	1.45	0.13	0.23	13.70	4.67	2.10	0.33
11.15	1.48	0.14	0.25	13.75	4.68	2.12	0.33
11.20	1.51	0.15	0.28	13.80	4.70	2.13	0.32
11.25	1.54	0.16	0.30	13.85	4.71	2.14	0.32
11.30	1.57	0.17	0.32	13.90	4.72	2.15	0.31
11.35	1.61	0.18	0.35	13.95	4.74	2.16	0.31
11.40	1.64	0.20	0.38	14.00	4.75	2.17	0.30
11.45	1.68	0.21	0.40	14.05	4.76	2.18	0.30
11.50	1.72	0.23	0.43	14.10	4.78	2.19	0.29
11.55	1.78	0.25	0.51	14.15	4.79	2.20	0.29
11.60	1.83	0.28	0.66	14.20	4.80	2.21	0.28
11.65	1.90	0.30	0.74	14.25	4.81	2.21	0.28
11.70	1.96	0.33	0.79	14.30	4.82	2.22	0.27
11.75	2.04	0.37	0.92	14.35	4.83	2.23	0.27
11.80	2.13	0.41	1.12	14.40	4.85	2.24	0.26
11.85	2.25	0.47	1.35	14.45	4.86	2.25	0.26
11.90	2.36	0.53	1.68	14.50	4.87	2.26	0.25
11.95	2.57	0.65	2.23	14.55	4.88	2.27	0.25
12.00	2.77	0.77	3.11	14.60	4.89	2.27	0.24
12.05	3.11	0.98	4.22	14.65	4.90	2.28	0.24
12.10	3.45	1.20	**5.84**	14.70	4.91	2.29	0.23
12.15	3.56	1.28	5.30	14.75	4.92	2.30	0.23
12.20	3.68	1.37	3.23	14.80	4.93	2.31	0.22
12.25	3.77	1.43	2.42	14.85	4.94	2.31	0.22
12.30	3.85	1.49	1.95	14.90	4.94	2.32	0.21
12.35	3.91	1.53	1.70	14.95	4.95	2.33	0.21
12.40	3.98	1.58	1.43	15.00	4.96	2.33	0.20
12.45	4.03	1.62	1.34	15.05	4.97	2.34	0.20
12.50	4.09	1.67	1.29	15.10	4.98	2.35	0.19
12.55	4.13	1.69	1.16	15.15	4.99	2.35	0.19
12.60	4.17	1.72	0.92	15.20	4.99	2.36	0.19
12.65	4.20	1.75	0.84	15.25	5.00	2.37	0.19
12.70	4.24	1.77	0.80	15.30	5.01	2.37	0.19
12.75	4.27	1.80	0.77	15.35	5.02	2.38	0.19
12.80	4.30	1.82	0.74	15.40	5.03	2.38	0.19
12.85	4.33	1.85	0.71	15.45	5.03	2.39	0.18
12.90	4.36	1.87	0.67	15.50	5.04	2.40	0.18
12.95	4.39	1.89	0.64	15.55	5.05	2.40	0.18

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.18	18.20	5.37	2.66	0.11
15.65	5.06	2.41	0.18	18.25	5.37	2.67	0.11
15.70	5.07	2.42	0.18	18.30	5.38	2.67	0.11
15.75	5.08	2.43	0.18	18.35	5.38	2.67	0.11
15.80	5.09	2.43	0.17	18.40	5.39	2.68	0.11
15.85	5.09	2.44	0.17	18.45	5.39	2.68	0.11
15.90	5.10	2.44	0.17	18.50	5.40	2.68	0.11
15.95	5.11	2.45	0.17	18.55	5.40	2.69	0.11
16.00	5.11	2.46	0.17	18.60	5.40	2.69	0.11
16.05	5.12	2.46	0.17	18.65	5.41	2.69	0.11
16.10	5.13	2.47	0.17	18.70	5.41	2.70	0.11
16.15	5.13	2.47	0.17	18.75	5.42	2.70	0.11
16.20	5.14	2.48	0.16	18.80	5.42	2.71	0.11
16.25	5.15	2.48	0.16	18.85	5.43	2.71	0.11
16.30	5.16	2.49	0.16	18.90	5.43	2.71	0.11
16.35	5.16	2.49	0.16	18.95	5.44	2.72	0.11
16.40	5.17	2.50	0.16	19.00	5.44	2.72	0.11
16.45	5.17	2.50	0.16	19.05	5.44	2.72	0.11
16.50	5.18	2.51	0.16	19.10	5.45	2.73	0.11
16.55	5.19	2.52	0.16	19.15	5.45	2.73	0.11
16.60	5.19	2.52	0.15	19.20	5.46	2.73	0.11
16.65	5.20	2.53	0.15	19.25	5.46	2.74	0.11
16.70	5.21	2.53	0.15	19.30	5.47	2.74	0.11
16.75	5.21	2.54	0.15	19.35	5.47	2.75	0.11
16.80	5.22	2.54	0.15	19.40	5.48	2.75	0.10
16.85	5.23	2.55	0.15	19.45	5.48	2.75	0.10
16.90	5.23	2.55	0.15	19.50	5.48	2.76	0.10
16.95	5.24	2.55	0.14	19.55	5.49	2.76	0.10
17.00	5.24	2.56	0.14	19.60	5.49	2.76	0.10
17.05	5.25	2.56	0.14	19.65	5.50	2.77	0.10
17.10	5.25	2.57	0.14	19.70	5.50	2.77	0.10
17.15	5.26	2.57	0.14	19.75	5.50	2.77	0.10
17.20	5.27	2.58	0.14	19.80	5.51	2.78	0.10
17.25	5.27	2.58	0.14	19.85	5.51	2.78	0.10
17.30	5.28	2.59	0.13	19.90	5.52	2.78	0.10
17.35	5.28	2.59	0.13	19.95	5.52	2.79	0.10
17.40	5.29	2.60	0.13	20.00	5.53	2.79	0.10
17.45	5.29	2.60	0.13	20.05	5.53	2.79	0.10
17.50	5.30	2.61	0.13	20.10	5.53	2.80	0.10
17.55	5.30	2.61	0.13	20.15	5.54	2.80	0.10
17.60	5.31	2.61	0.13	20.20	5.54	2.80	0.10
17.65	5.31	2.62	0.13	20.25	5.55	2.81	0.10
17.70	5.32	2.62	0.12	20.30	5.55	2.81	0.10
17.75	5.33	2.63	0.12	20.35	5.55	2.81	0.10
17.80	5.33	2.63	0.12	20.40	5.56	2.82	0.10
17.85	5.34	2.63	0.12	20.45	5.56	2.82	0.10
17.90	5.34	2.64	0.12	20.50	5.57	2.82	0.10
17.95	5.34	2.64	0.12	20.55	5.57	2.83	0.10
18.00	5.35	2.65	0.12	20.60	5.57	2.83	0.10
18.05	5.35	2.65	0.12	20.65	5.58	2.83	0.10
18.10	5.36	2.65	0.11	20.70	5.58	2.84	0.10
18.15	5.36	2.66	0.11	20.75	5.59	2.84	0.10

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.10	23.40	5.77	2.99	0.08
20.85	5.59	2.85	0.10	23.45	5.78	3.00	0.08
20.90	5.60	2.85	0.09	23.50	5.78	3.00	0.08
20.95	5.60	2.85	0.09	23.55	5.78	3.00	0.08
21.00	5.61	2.86	0.09	23.60	5.78	3.00	0.08
21.05	5.61	2.86	0.09	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.09	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.09	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.09	23.80	5.80	3.01	0.07
21.25	5.62	2.87	0.09	23.85	5.80	3.02	0.07
21.30	5.63	2.87	0.09	23.90	5.80	3.02	0.07
21.35	5.63	2.88	0.09	23.95	5.81	3.02	0.08
21.40	5.64	2.88	0.09	24.00	**5.81**	**3.03**	0.09
21.45	5.64	2.88	0.09	24.05	5.81	3.03	0.06
21.50	5.64	2.89	0.09	24.10	5.81	3.03	0.02
21.55	5.65	2.89	0.09	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.09	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.09	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.09	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.09	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.09	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.09	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.09	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.09	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.09	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.09	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.09	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.09	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.09	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.09	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.09	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.08	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.08	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.08	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.08	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.08	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.08	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.08	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.08	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.08	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.08	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.08	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.08	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.08	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.08	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.08	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.08	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.08	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.08	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.08	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.08	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.08	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

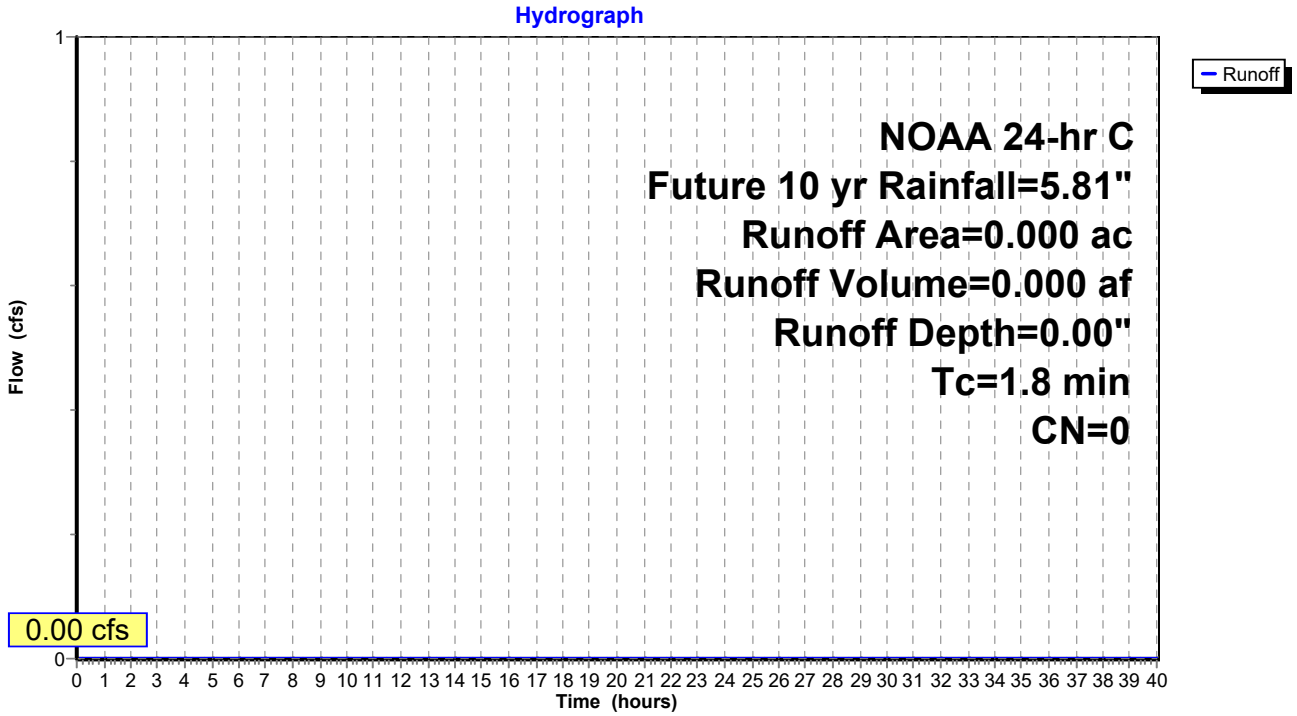
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.00	13.00	4.42	0.00	0.00
10.45	1.18	0.00	0.00	13.05	4.44	0.00	0.00
10.50	1.20	0.00	0.00	13.10	4.46	0.00	0.00
10.55	1.21	0.00	0.00	13.15	4.48	0.00	0.00
10.60	1.23	0.00	0.00	13.20	4.50	0.00	0.00
10.65	1.25	0.00	0.00	13.25	4.52	0.00	0.00
10.70	1.27	0.00	0.00	13.30	4.54	0.00	0.00
10.75	1.29	0.00	0.00	13.35	4.56	0.00	0.00
10.80	1.31	0.00	0.00	13.40	4.58	0.00	0.00
10.85	1.33	0.00	0.00	13.45	4.60	0.00	0.00
10.90	1.35	0.00	0.00	13.50	4.61	0.00	0.00
10.95	1.37	0.00	0.00	13.55	4.63	0.00	0.00
11.00	1.39	0.00	0.00	13.60	4.64	0.00	0.00
11.05	1.42	0.00	0.00	13.65	4.66	0.00	0.00
11.10	1.45	0.00	0.00	13.70	4.67	0.00	0.00
11.15	1.48	0.00	0.00	13.75	4.68	0.00	0.00
11.20	1.51	0.00	0.00	13.80	4.70	0.00	0.00
11.25	1.54	0.00	0.00	13.85	4.71	0.00	0.00
11.30	1.57	0.00	0.00	13.90	4.72	0.00	0.00
11.35	1.61	0.00	0.00	13.95	4.74	0.00	0.00
11.40	1.64	0.00	0.00	14.00	4.75	0.00	0.00
11.45	1.68	0.00	0.00	14.05	4.76	0.00	0.00
11.50	1.72	0.00	0.00	14.10	4.78	0.00	0.00
11.55	1.78	0.00	0.00	14.15	4.79	0.00	0.00
11.60	1.83	0.00	0.00	14.20	4.80	0.00	0.00
11.65	1.90	0.00	0.00	14.25	4.81	0.00	0.00
11.70	1.96	0.00	0.00	14.30	4.82	0.00	0.00
11.75	2.04	0.00	0.00	14.35	4.83	0.00	0.00
11.80	2.13	0.00	0.00	14.40	4.85	0.00	0.00
11.85	2.25	0.00	0.00	14.45	4.86	0.00	0.00
11.90	2.36	0.00	0.00	14.50	4.87	0.00	0.00
11.95	2.57	0.00	0.00	14.55	4.88	0.00	0.00
12.00	2.77	0.00	0.00	14.60	4.89	0.00	0.00
12.05	3.11	0.00	0.00	14.65	4.90	0.00	0.00
12.10	3.45	0.00	0.00	14.70	4.91	0.00	0.00
12.15	3.56	0.00	0.00	14.75	4.92	0.00	0.00
12.20	3.68	0.00	0.00	14.80	4.93	0.00	0.00
12.25	3.77	0.00	0.00	14.85	4.94	0.00	0.00
12.30	3.85	0.00	0.00	14.90	4.94	0.00	0.00
12.35	3.91	0.00	0.00	14.95	4.95	0.00	0.00
12.40	3.98	0.00	0.00	15.00	4.96	0.00	0.00
12.45	4.03	0.00	0.00	15.05	4.97	0.00	0.00
12.50	4.09	0.00	0.00	15.10	4.98	0.00	0.00
12.55	4.13	0.00	0.00	15.15	4.99	0.00	0.00
12.60	4.17	0.00	0.00	15.20	4.99	0.00	0.00
12.65	4.20	0.00	0.00	15.25	5.00	0.00	0.00
12.70	4.24	0.00	0.00	15.30	5.01	0.00	0.00
12.75	4.27	0.00	0.00	15.35	5.02	0.00	0.00
12.80	4.30	0.00	0.00	15.40	5.03	0.00	0.00
12.85	4.33	0.00	0.00	15.45	5.03	0.00	0.00
12.90	4.36	0.00	0.00	15.50	5.04	0.00	0.00
12.95	4.39	0.00	0.00	15.55	5.05	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	0.00	0.00	18.20	5.37	0.00	0.00
15.65	5.06	0.00	0.00	18.25	5.37	0.00	0.00
15.70	5.07	0.00	0.00	18.30	5.38	0.00	0.00
15.75	5.08	0.00	0.00	18.35	5.38	0.00	0.00
15.80	5.09	0.00	0.00	18.40	5.39	0.00	0.00
15.85	5.09	0.00	0.00	18.45	5.39	0.00	0.00
15.90	5.10	0.00	0.00	18.50	5.40	0.00	0.00
15.95	5.11	0.00	0.00	18.55	5.40	0.00	0.00
16.00	5.11	0.00	0.00	18.60	5.40	0.00	0.00
16.05	5.12	0.00	0.00	18.65	5.41	0.00	0.00
16.10	5.13	0.00	0.00	18.70	5.41	0.00	0.00
16.15	5.13	0.00	0.00	18.75	5.42	0.00	0.00
16.20	5.14	0.00	0.00	18.80	5.42	0.00	0.00
16.25	5.15	0.00	0.00	18.85	5.43	0.00	0.00
16.30	5.16	0.00	0.00	18.90	5.43	0.00	0.00
16.35	5.16	0.00	0.00	18.95	5.44	0.00	0.00
16.40	5.17	0.00	0.00	19.00	5.44	0.00	0.00
16.45	5.17	0.00	0.00	19.05	5.44	0.00	0.00
16.50	5.18	0.00	0.00	19.10	5.45	0.00	0.00
16.55	5.19	0.00	0.00	19.15	5.45	0.00	0.00
16.60	5.19	0.00	0.00	19.20	5.46	0.00	0.00
16.65	5.20	0.00	0.00	19.25	5.46	0.00	0.00
16.70	5.21	0.00	0.00	19.30	5.47	0.00	0.00
16.75	5.21	0.00	0.00	19.35	5.47	0.00	0.00
16.80	5.22	0.00	0.00	19.40	5.48	0.00	0.00
16.85	5.23	0.00	0.00	19.45	5.48	0.00	0.00
16.90	5.23	0.00	0.00	19.50	5.48	0.00	0.00
16.95	5.24	0.00	0.00	19.55	5.49	0.00	0.00
17.00	5.24	0.00	0.00	19.60	5.49	0.00	0.00
17.05	5.25	0.00	0.00	19.65	5.50	0.00	0.00
17.10	5.25	0.00	0.00	19.70	5.50	0.00	0.00
17.15	5.26	0.00	0.00	19.75	5.50	0.00	0.00
17.20	5.27	0.00	0.00	19.80	5.51	0.00	0.00
17.25	5.27	0.00	0.00	19.85	5.51	0.00	0.00
17.30	5.28	0.00	0.00	19.90	5.52	0.00	0.00
17.35	5.28	0.00	0.00	19.95	5.52	0.00	0.00
17.40	5.29	0.00	0.00	20.00	5.53	0.00	0.00
17.45	5.29	0.00	0.00	20.05	5.53	0.00	0.00
17.50	5.30	0.00	0.00	20.10	5.53	0.00	0.00
17.55	5.30	0.00	0.00	20.15	5.54	0.00	0.00
17.60	5.31	0.00	0.00	20.20	5.54	0.00	0.00
17.65	5.31	0.00	0.00	20.25	5.55	0.00	0.00
17.70	5.32	0.00	0.00	20.30	5.55	0.00	0.00
17.75	5.33	0.00	0.00	20.35	5.55	0.00	0.00
17.80	5.33	0.00	0.00	20.40	5.56	0.00	0.00
17.85	5.34	0.00	0.00	20.45	5.56	0.00	0.00
17.90	5.34	0.00	0.00	20.50	5.57	0.00	0.00
17.95	5.34	0.00	0.00	20.55	5.57	0.00	0.00
18.00	5.35	0.00	0.00	20.60	5.57	0.00	0.00
18.05	5.35	0.00	0.00	20.65	5.58	0.00	0.00
18.10	5.36	0.00	0.00	20.70	5.58	0.00	0.00
18.15	5.36	0.00	0.00	20.75	5.59	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	0.00	0.00	23.40	5.77	0.00	0.00
20.85	5.59	0.00	0.00	23.45	5.78	0.00	0.00
20.90	5.60	0.00	0.00	23.50	5.78	0.00	0.00
20.95	5.60	0.00	0.00	23.55	5.78	0.00	0.00
21.00	5.61	0.00	0.00	23.60	5.78	0.00	0.00
21.05	5.61	0.00	0.00	23.65	5.79	0.00	0.00
21.10	5.61	0.00	0.00	23.70	5.79	0.00	0.00
21.15	5.62	0.00	0.00	23.75	5.79	0.00	0.00
21.20	5.62	0.00	0.00	23.80	5.80	0.00	0.00
21.25	5.62	0.00	0.00	23.85	5.80	0.00	0.00
21.30	5.63	0.00	0.00	23.90	5.80	0.00	0.00
21.35	5.63	0.00	0.00	23.95	5.81	0.00	0.00
21.40	5.64	0.00	0.00	24.00	**5.81**	0.00	0.00
21.45	5.64	0.00	0.00	24.05	5.81	0.00	0.00
21.50	5.64	0.00	0.00	24.10	5.81	0.00	0.00
21.55	5.65	0.00	0.00	24.15	5.81	0.00	0.00
21.60	5.65	0.00	0.00	24.20	5.81	0.00	0.00
21.65	5.65	0.00	0.00	24.25	5.81	0.00	0.00
21.70	5.66	0.00	0.00	24.30	5.81	0.00	0.00
21.75	5.66	0.00	0.00	24.35	5.81	0.00	0.00
21.80	5.66	0.00	0.00	24.40	5.81	0.00	0.00
21.85	5.67	0.00	0.00	24.45	5.81	0.00	0.00
21.90	5.67	0.00	0.00	24.50	5.81	0.00	0.00
21.95	5.68	0.00	0.00	24.55	5.81	0.00	0.00
22.00	5.68	0.00	0.00	24.60	5.81	0.00	0.00
22.05	5.68	0.00	0.00	24.65	5.81	0.00	0.00
22.10	5.69	0.00	0.00	24.70	5.81	0.00	0.00
22.15	5.69	0.00	0.00	24.75	5.81	0.00	0.00
22.20	5.69	0.00	0.00	24.80	5.81	0.00	0.00
22.25	5.70	0.00	0.00	24.85	5.81	0.00	0.00
22.30	5.70	0.00	0.00	24.90	5.81	0.00	0.00
22.35	5.70	0.00	0.00	24.95	5.81	0.00	0.00
22.40	5.71	0.00	0.00	25.00	5.81	0.00	0.00
22.45	5.71	0.00	0.00	25.05	5.81	0.00	0.00
22.50	5.71	0.00	0.00	25.10	5.81	0.00	0.00
22.55	5.72	0.00	0.00	25.15	5.81	0.00	0.00
22.60	5.72	0.00	0.00	25.20	5.81	0.00	0.00
22.65	5.72	0.00	0.00	25.25	5.81	0.00	0.00
22.70	5.73	0.00	0.00	25.30	5.81	0.00	0.00
22.75	5.73	0.00	0.00	25.35	5.81	0.00	0.00
22.80	5.73	0.00	0.00	25.40	5.81	0.00	0.00
22.85	5.74	0.00	0.00	25.45	5.81	0.00	0.00
22.90	5.74	0.00	0.00	25.50	5.81	0.00	0.00
22.95	5.74	0.00	0.00	25.55	5.81	0.00	0.00
23.00	5.75	0.00	0.00	25.60	5.81	0.00	0.00
23.05	5.75	0.00	0.00	25.65	5.81	0.00	0.00
23.10	5.75	0.00	0.00	25.70	5.81	0.00	0.00
23.15	5.76	0.00	0.00	25.75	5.81	0.00	0.00
23.20	5.76	0.00	0.00	25.80	5.81	0.00	0.00
23.25	5.76	0.00	0.00	25.85	5.81	0.00	0.00
23.30	5.77	0.00	0.00	25.90	5.81	0.00	0.00
23.35	5.77	0.00	0.00	25.95	5.81	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	0.00	0.00	28.60	5.81	0.00	0.00
26.05	5.81	0.00	0.00	28.65	5.81	0.00	0.00
26.10	5.81	0.00	0.00	28.70	5.81	0.00	0.00
26.15	5.81	0.00	0.00	28.75	5.81	0.00	0.00
26.20	5.81	0.00	0.00	28.80	5.81	0.00	0.00
26.25	5.81	0.00	0.00	28.85	5.81	0.00	0.00
26.30	5.81	0.00	0.00	28.90	5.81	0.00	0.00
26.35	5.81	0.00	0.00	28.95	5.81	0.00	0.00
26.40	5.81	0.00	0.00	29.00	5.81	0.00	0.00
26.45	5.81	0.00	0.00	29.05	5.81	0.00	0.00
26.50	5.81	0.00	0.00	29.10	5.81	0.00	0.00
26.55	5.81	0.00	0.00	29.15	5.81	0.00	0.00
26.60	5.81	0.00	0.00	29.20	5.81	0.00	0.00
26.65	5.81	0.00	0.00	29.25	5.81	0.00	0.00
26.70	5.81	0.00	0.00	29.30	5.81	0.00	0.00
26.75	5.81	0.00	0.00	29.35	5.81	0.00	0.00
26.80	5.81	0.00	0.00	29.40	5.81	0.00	0.00
26.85	5.81	0.00	0.00	29.45	5.81	0.00	0.00
26.90	5.81	0.00	0.00	29.50	5.81	0.00	0.00
26.95	5.81	0.00	0.00	29.55	5.81	0.00	0.00
27.00	5.81	0.00	0.00	29.60	5.81	0.00	0.00
27.05	5.81	0.00	0.00	29.65	5.81	0.00	0.00
27.10	5.81	0.00	0.00	29.70	5.81	0.00	0.00
27.15	5.81	0.00	0.00	29.75	5.81	0.00	0.00
27.20	5.81	0.00	0.00	29.80	5.81	0.00	0.00
27.25	5.81	0.00	0.00	29.85	5.81	0.00	0.00
27.30	5.81	0.00	0.00	29.90	5.81	0.00	0.00
27.35	5.81	0.00	0.00	29.95	5.81	0.00	0.00
27.40	5.81	0.00	0.00	30.00	5.81	0.00	0.00
27.45	5.81	0.00	0.00	30.05	5.81	0.00	0.00
27.50	5.81	0.00	0.00	30.10	5.81	0.00	0.00
27.55	5.81	0.00	0.00	30.15	5.81	0.00	0.00
27.60	5.81	0.00	0.00	30.20	5.81	0.00	0.00
27.65	5.81	0.00	0.00	30.25	5.81	0.00	0.00
27.70	5.81	0.00	0.00	30.30	5.81	0.00	0.00
27.75	5.81	0.00	0.00	30.35	5.81	0.00	0.00
27.80	5.81	0.00	0.00	30.40	5.81	0.00	0.00
27.85	5.81	0.00	0.00	30.45	5.81	0.00	0.00
27.90	5.81	0.00	0.00	30.50	5.81	0.00	0.00
27.95	5.81	0.00	0.00	30.55	5.81	0.00	0.00
28.00	5.81	0.00	0.00	30.60	5.81	0.00	0.00
28.05	5.81	0.00	0.00	30.65	5.81	0.00	0.00
28.10	5.81	0.00	0.00	30.70	5.81	0.00	0.00
28.15	5.81	0.00	0.00	30.75	5.81	0.00	0.00
28.20	5.81	0.00	0.00	30.80	5.81	0.00	0.00
28.25	5.81	0.00	0.00	30.85	5.81	0.00	0.00
28.30	5.81	0.00	0.00	30.90	5.81	0.00	0.00
28.35	5.81	0.00	0.00	30.95	5.81	0.00	0.00
28.40	5.81	0.00	0.00	31.00	5.81	0.00	0.00
28.45	5.81	0.00	0.00	31.05	5.81	0.00	0.00
28.50	5.81	0.00	0.00	31.10	5.81	0.00	0.00
28.55	5.81	0.00	0.00	31.15	5.81	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	0.00	0.00	33.80	5.81	0.00	0.00
31.25	5.81	0.00	0.00	33.85	5.81	0.00	0.00
31.30	5.81	0.00	0.00	33.90	5.81	0.00	0.00
31.35	5.81	0.00	0.00	33.95	5.81	0.00	0.00
31.40	5.81	0.00	0.00	34.00	5.81	0.00	0.00
31.45	5.81	0.00	0.00	34.05	5.81	0.00	0.00
31.50	5.81	0.00	0.00	34.10	5.81	0.00	0.00
31.55	5.81	0.00	0.00	34.15	5.81	0.00	0.00
31.60	5.81	0.00	0.00	34.20	5.81	0.00	0.00
31.65	5.81	0.00	0.00	34.25	5.81	0.00	0.00
31.70	5.81	0.00	0.00	34.30	5.81	0.00	0.00
31.75	5.81	0.00	0.00	34.35	5.81	0.00	0.00
31.80	5.81	0.00	0.00	34.40	5.81	0.00	0.00
31.85	5.81	0.00	0.00	34.45	5.81	0.00	0.00
31.90	5.81	0.00	0.00	34.50	5.81	0.00	0.00
31.95	5.81	0.00	0.00	34.55	5.81	0.00	0.00
32.00	5.81	0.00	0.00	34.60	5.81	0.00	0.00
32.05	5.81	0.00	0.00	34.65	5.81	0.00	0.00
32.10	5.81	0.00	0.00	34.70	5.81	0.00	0.00
32.15	5.81	0.00	0.00	34.75	5.81	0.00	0.00
32.20	5.81	0.00	0.00	34.80	5.81	0.00	0.00
32.25	5.81	0.00	0.00	34.85	5.81	0.00	0.00
32.30	5.81	0.00	0.00	34.90	5.81	0.00	0.00
32.35	5.81	0.00	0.00	34.95	5.81	0.00	0.00
32.40	5.81	0.00	0.00	35.00	5.81	0.00	0.00
32.45	5.81	0.00	0.00	35.05	5.81	0.00	0.00
32.50	5.81	0.00	0.00	35.10	5.81	0.00	0.00
32.55	5.81	0.00	0.00	35.15	5.81	0.00	0.00
32.60	5.81	0.00	0.00	35.20	5.81	0.00	0.00
32.65	5.81	0.00	0.00	35.25	5.81	0.00	0.00
32.70	5.81	0.00	0.00	35.30	5.81	0.00	0.00
32.75	5.81	0.00	0.00	35.35	5.81	0.00	0.00
32.80	5.81	0.00	0.00	35.40	5.81	0.00	0.00
32.85	5.81	0.00	0.00	35.45	5.81	0.00	0.00
32.90	5.81	0.00	0.00	35.50	5.81	0.00	0.00
32.95	5.81	0.00	0.00	35.55	5.81	0.00	0.00
33.00	5.81	0.00	0.00	35.60	5.81	0.00	0.00
33.05	5.81	0.00	0.00	35.65	5.81	0.00	0.00
33.10	5.81	0.00	0.00	35.70	5.81	0.00	0.00
33.15	5.81	0.00	0.00	35.75	5.81	0.00	0.00
33.20	5.81	0.00	0.00	35.80	5.81	0.00	0.00
33.25	5.81	0.00	0.00	35.85	5.81	0.00	0.00
33.30	5.81	0.00	0.00	35.90	5.81	0.00	0.00
33.35	5.81	0.00	0.00	35.95	5.81	0.00	0.00
33.40	5.81	0.00	0.00	36.00	5.81	0.00	0.00
33.45	5.81	0.00	0.00	36.05	5.81	0.00	0.00
33.50	5.81	0.00	0.00	36.10	5.81	0.00	0.00
33.55	5.81	0.00	0.00	36.15	5.81	0.00	0.00
33.60	5.81	0.00	0.00	36.20	5.81	0.00	0.00
33.65	5.81	0.00	0.00	36.25	5.81	0.00	0.00
33.70	5.81	0.00	0.00	36.30	5.81	0.00	0.00
33.75	5.81	0.00	0.00	36.35	5.81	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	0.00	0.00
36.45	5.81	0.00	0.00
36.50	5.81	0.00	0.00
36.55	5.81	0.00	0.00
36.60	5.81	0.00	0.00
36.65	5.81	0.00	0.00
36.70	5.81	0.00	0.00
36.75	5.81	0.00	0.00
36.80	5.81	0.00	0.00
36.85	5.81	0.00	0.00
36.90	5.81	0.00	0.00
36.95	5.81	0.00	0.00
37.00	5.81	0.00	0.00
37.05	5.81	0.00	0.00
37.10	5.81	0.00	0.00
37.15	5.81	0.00	0.00
37.20	5.81	0.00	0.00
37.25	5.81	0.00	0.00
37.30	5.81	0.00	0.00
37.35	5.81	0.00	0.00
37.40	5.81	0.00	0.00
37.45	5.81	0.00	0.00
37.50	5.81	0.00	0.00
37.55	5.81	0.00	0.00
37.60	5.81	0.00	0.00
37.65	5.81	0.00	0.00
37.70	5.81	0.00	0.00
37.75	5.81	0.00	0.00
37.80	5.81	0.00	0.00
37.85	5.81	0.00	0.00
37.90	5.81	0.00	0.00
37.95	5.81	0.00	0.00
38.00	5.81	0.00	0.00
38.05	5.81	0.00	0.00
38.10	5.81	0.00	0.00
38.15	5.81	0.00	0.00
38.20	5.81	0.00	0.00
38.25	5.81	0.00	0.00
38.30	5.81	0.00	0.00
38.35	5.81	0.00	0.00
38.40	5.81	0.00	0.00
38.45	5.81	0.00	0.00
38.50	5.81	0.00	0.00
38.55	5.81	0.00	0.00
38.60	5.81	0.00	0.00
38.65	5.81	0.00	0.00
38.70	5.81	0.00	0.00
38.75	5.81	0.00	0.00
38.80	5.81	0.00	0.00
38.85	5.81	0.00	0.00
38.90	5.81	0.00	0.00
38.95	5.81	0.00	0.00
39.00	5.81	0.00	0.00
39.05	5.81	0.00	0.00
39.10	5.81	0.00	0.00
39.15	5.81	0.00	0.00
39.20	5.81	0.00	0.00
39.25	5.81	0.00	0.00
39.30	5.81	0.00	0.00
39.35	5.81	0.00	0.00
39.40	5.81	0.00	0.00
39.45	5.81	0.00	0.00
39.50	5.81	0.00	0.00
39.55	5.81	0.00	0.00
39.60	5.81	0.00	0.00
39.65	5.81	0.00	0.00
39.70	5.81	0.00	0.00
39.75	5.81	0.00	0.00
39.80	5.81	0.00	0.00
39.85	5.81	0.00	0.00
39.90	5.81	0.00	0.00
39.95	5.81	0.00	0.00
40.00	5.81	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

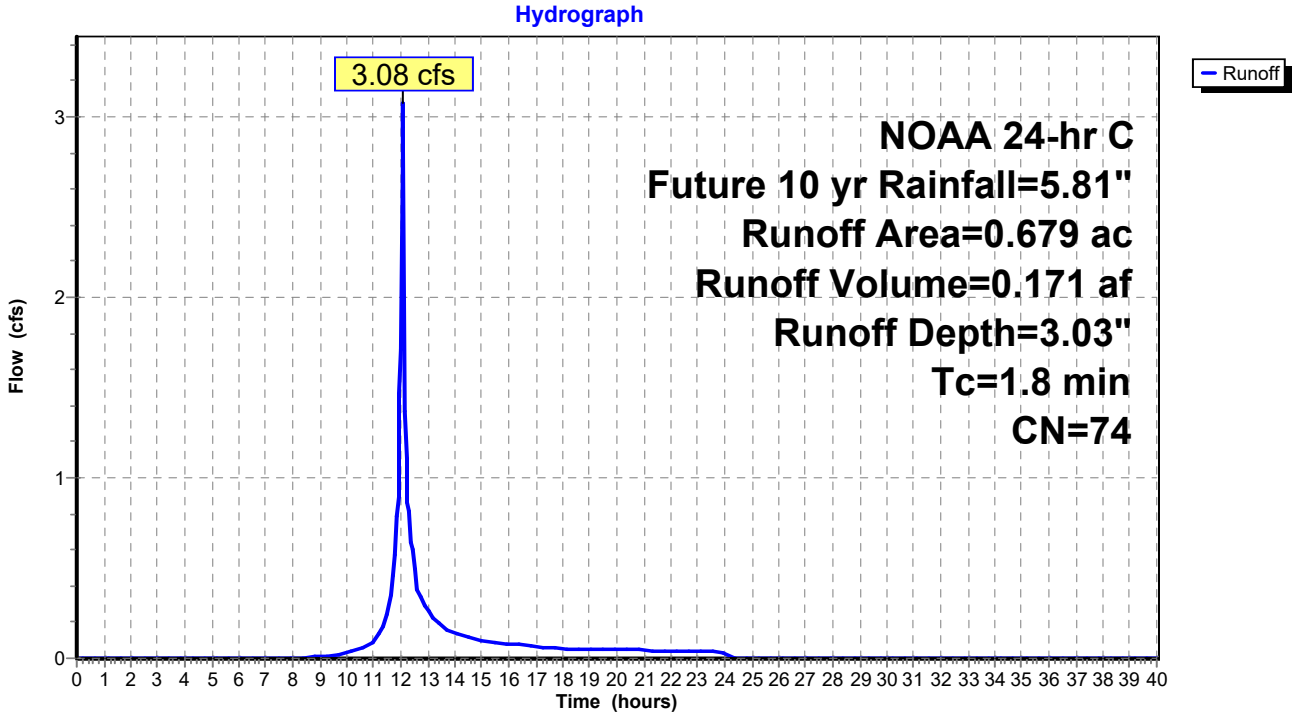
Runoff = 3.08 cfs @ 12.08 hrs, Volume= 0.171 af, Depth= 3.03"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.04
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.27
10.45	1.18	0.06	0.04	13.05	4.44	1.93	0.25
10.50	1.20	0.06	0.05	13.10	4.46	1.94	0.24
10.55	1.21	0.06	0.05	13.15	4.48	1.96	0.23
10.60	1.23	0.07	0.05	13.20	4.50	1.98	0.22
10.65	1.25	0.07	0.06	13.25	4.52	1.99	0.21
10.70	1.27	0.08	0.06	13.30	4.54	2.01	0.21
10.75	1.29	0.08	0.07	13.35	4.56	2.02	0.19
10.80	1.31	0.09	0.07	13.40	4.58	2.03	0.19
10.85	1.33	0.09	0.08	13.45	4.60	2.05	0.18
10.90	1.35	0.10	0.08	13.50	4.61	2.06	0.17
10.95	1.37	0.11	0.09	13.55	4.63	2.07	0.16
11.00	1.39	0.11	0.09	13.60	4.64	2.08	0.16
11.05	1.42	0.12	0.11	13.65	4.66	2.09	0.15
11.10	1.45	0.13	0.11	13.70	4.67	2.10	0.15
11.15	1.48	0.14	0.13	13.75	4.68	2.12	0.15
11.20	1.51	0.15	0.13	13.80	4.70	2.13	0.15
11.25	1.54	0.16	0.15	13.85	4.71	2.14	0.14
11.30	1.57	0.17	0.16	13.90	4.72	2.15	0.14
11.35	1.61	0.18	0.17	13.95	4.74	2.16	0.14
11.40	1.64	0.20	0.18	14.00	4.75	2.17	0.14
11.45	1.68	0.21	0.20	14.05	4.76	2.18	0.13
11.50	1.72	0.23	0.21	14.10	4.78	2.19	0.13
11.55	1.78	0.25	0.31	14.15	4.79	2.20	0.13
11.60	1.83	0.28	0.34	14.20	4.80	2.21	0.13
11.65	1.90	0.30	0.37	14.25	4.81	2.21	0.13
11.70	1.96	0.33	0.39	14.30	4.82	2.22	0.13
11.75	2.04	0.37	0.52	14.35	4.83	2.23	0.12
11.80	2.13	0.41	0.58	14.40	4.85	2.24	0.12
11.85	2.25	0.47	0.79	14.45	4.86	2.25	0.12
11.90	2.36	0.53	0.89	14.50	4.87	2.26	0.12
11.95	2.57	0.65	1.46	14.55	4.88	2.27	0.11
12.00	2.77	0.77	1.71	14.60	4.89	2.27	0.11
12.05	3.11	0.98	2.76	14.65	4.90	2.28	0.11
12.10	3.45	1.20	**2.94**	14.70	4.91	2.29	0.11
12.15	3.56	1.28	1.37	14.75	4.92	2.30	0.10
12.20	3.68	1.37	1.11	14.80	4.93	2.31	0.10
12.25	3.77	1.43	0.86	14.85	4.94	2.31	0.10
12.30	3.85	1.49	0.82	14.90	4.94	2.32	0.10
12.35	3.91	1.53	0.64	14.95	4.95	2.33	0.09
12.40	3.98	1.58	0.62	15.00	4.96	2.33	0.09
12.45	4.03	1.62	0.59	15.05	4.97	2.34	0.09
12.50	4.09	1.67	0.58	15.10	4.98	2.35	0.09
12.55	4.13	1.69	0.41	15.15	4.99	2.35	0.09
12.60	4.17	1.72	0.39	15.20	4.99	2.36	0.09
12.65	4.20	1.75	0.37	15.25	5.00	2.37	0.09
12.70	4.24	1.77	0.36	15.30	5.01	2.37	0.09
12.75	4.27	1.80	0.34	15.35	5.02	2.38	0.09
12.80	4.30	1.82	0.33	15.40	5.03	2.38	0.09
12.85	4.33	1.85	0.31	15.45	5.03	2.39	0.08
12.90	4.36	1.87	0.30	15.50	5.04	2.40	0.08
12.95	4.39	1.89	0.28	15.55	5.05	2.40	0.08

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.08	18.20	5.37	2.66	0.05
15.65	5.06	2.41	0.08	18.25	5.37	2.67	0.05
15.70	5.07	2.42	0.08	18.30	5.38	2.67	0.05
15.75	5.08	2.43	0.08	18.35	5.38	2.67	0.05
15.80	5.09	2.43	0.08	18.40	5.39	2.68	0.05
15.85	5.09	2.44	0.08	18.45	5.39	2.68	0.05
15.90	5.10	2.44	0.08	18.50	5.40	2.68	0.05
15.95	5.11	2.45	0.08	18.55	5.40	2.69	0.05
16.00	5.11	2.46	0.08	18.60	5.40	2.69	0.05
16.05	5.12	2.46	0.08	18.65	5.41	2.69	0.05
16.10	5.13	2.47	0.08	18.70	5.41	2.70	0.05
16.15	5.13	2.47	0.08	18.75	5.42	2.70	0.05
16.20	5.14	2.48	0.08	18.80	5.42	2.71	0.05
16.25	5.15	2.48	0.07	18.85	5.43	2.71	0.05
16.30	5.16	2.49	0.07	18.90	5.43	2.71	0.05
16.35	5.16	2.49	0.07	18.95	5.44	2.72	0.05
16.40	5.17	2.50	0.07	19.00	5.44	2.72	0.05
16.45	5.17	2.50	0.07	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.07	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.07	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.07	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.07	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.07	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.07	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.07	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.07	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.07	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.07	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.06	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.06	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.06	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.06	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.06	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.06	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.06	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.06	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.06	20.05	5.53	2.79	0.05
17.50	5.30	2.61	0.06	20.10	5.53	2.80	0.05
17.55	5.30	2.61	0.06	20.15	5.54	2.80	0.05
17.60	5.31	2.61	0.06	20.20	5.54	2.80	0.05
17.65	5.31	2.62	0.06	20.25	5.55	2.81	0.05
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.05
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.05
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.05
17.85	5.34	2.63	0.05	20.45	5.56	2.82	0.04
17.90	5.34	2.64	0.05	20.50	5.57	2.82	0.04
17.95	5.34	2.64	0.05	20.55	5.57	2.83	0.04
18.00	5.35	2.65	0.05	20.60	5.57	2.83	0.04
18.05	5.35	2.65	0.05	20.65	5.58	2.83	0.04
18.10	5.36	2.65	0.05	20.70	5.58	2.84	0.04
18.15	5.36	2.66	0.05	20.75	5.59	2.84	0.04

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.04	23.40	5.77	2.99	0.04
20.85	5.59	2.85	0.04	23.45	5.78	3.00	0.04
20.90	5.60	2.85	0.04	23.50	5.78	3.00	0.04
20.95	5.60	2.85	0.04	23.55	5.78	3.00	0.04
21.00	5.61	2.86	0.04	23.60	5.78	3.00	0.04
21.05	5.61	2.86	0.04	23.65	5.79	3.01	0.04
21.10	5.61	2.86	0.04	23.70	5.79	3.01	0.04
21.15	5.62	2.87	0.04	23.75	5.79	3.01	0.03
21.20	5.62	2.87	0.04	23.80	5.80	3.01	0.03
21.25	5.62	2.87	0.04	23.85	5.80	3.02	0.03
21.30	5.63	2.87	0.04	23.90	5.80	3.02	0.03
21.35	5.63	2.88	0.04	23.95	5.81	3.02	0.04
21.40	5.64	2.88	0.04	24.00	**5.81**	**3.03**	0.04
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.01
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.04	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.04	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.04	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.04	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

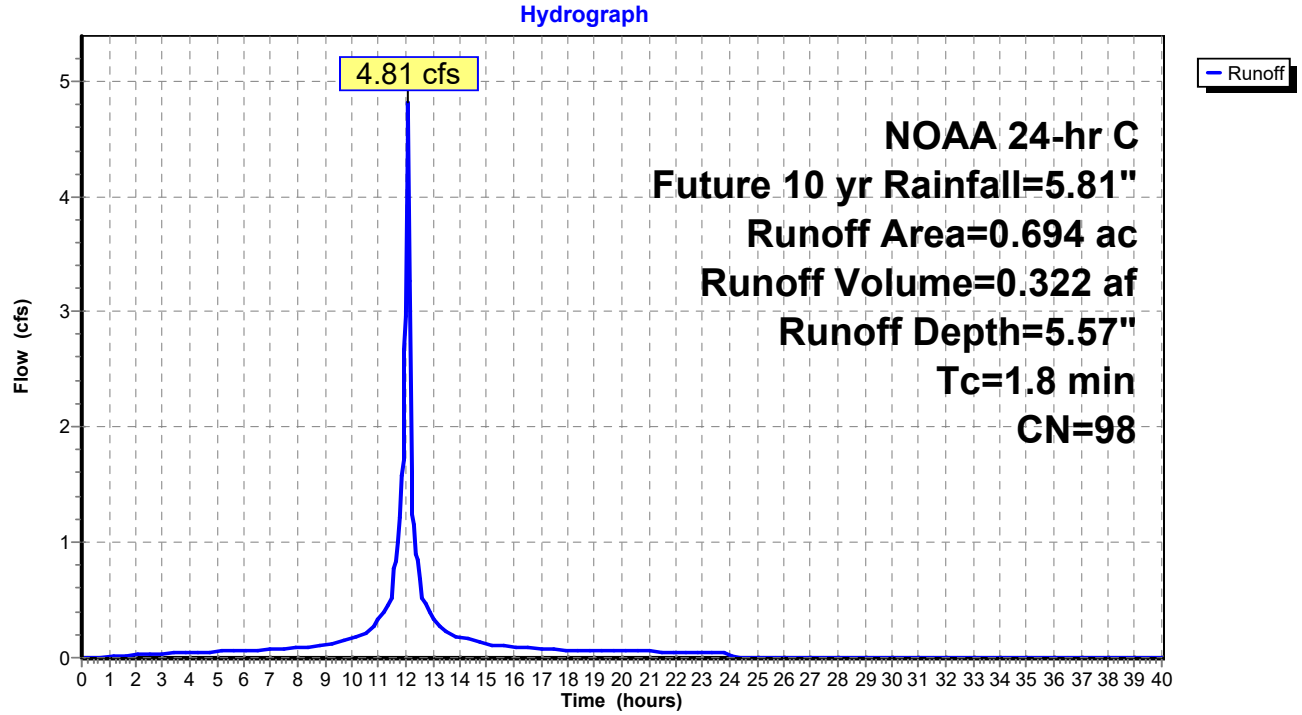
Runoff = 4.81 cfs @ 12.08 hrs, Volume= 0.322 af, Depth= 5.57"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.04
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.04
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.05
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.05

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.05	7.80	0.67	0.47	0.09
5.25	0.39	0.22	0.05	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.05	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.05	7.95	0.69	0.49	0.09
5.40	0.41	0.23	0.05	8.00	0.70	0.50	0.09
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.09
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.09
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.10
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.10
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.10
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.10
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.10
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.10
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.10
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.10
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.10
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.10
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.11
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.11
6.25	0.48	0.30	0.06	8.85	0.82	0.62	0.11
6.30	0.49	0.31	0.06	8.90	0.83	0.63	0.11
6.35	0.50	0.31	0.06	8.95	0.84	0.64	0.11
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.11
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.11
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.12
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.12
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.13
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.13
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.13
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.13
6.85	0.55	0.36	0.07	9.45	0.93	0.73	0.14
6.90	0.56	0.37	0.07	9.50	0.94	0.74	0.14
6.95	0.56	0.37	0.07	9.55	0.95	0.75	0.14
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.15
7.05	0.57	0.38	0.08	9.65	0.98	0.77	0.15
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.15
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.16
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.16
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.16
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.16
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.17
7.40	0.62	0.42	0.08	10.00	1.06	0.85	0.17
7.45	0.62	0.43	0.08	10.05	1.07	0.86	0.18
7.50	0.63	0.44	0.08	10.10	1.09	0.87	0.18
7.55	0.64	0.44	0.08	10.15	1.10	0.89	0.18
7.60	0.64	0.45	0.09	10.20	1.11	0.90	0.18
7.65	0.65	0.45	0.09	10.25	1.13	0.91	0.19
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.19
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.19

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.19	13.00	4.42	4.18	0.36
10.45	1.18	0.97	0.20	13.05	4.44	4.20	0.33
10.50	1.20	0.98	0.20	13.10	4.46	4.23	0.32
10.55	1.21	1.00	0.22	13.15	4.48	4.25	0.30
10.60	1.23	1.02	0.23	13.20	4.50	4.27	0.30
10.65	1.25	1.03	0.24	13.25	4.52	4.29	0.28
10.70	1.27	1.05	0.25	13.30	4.54	4.31	0.27
10.75	1.29	1.07	0.27	13.35	4.56	4.33	0.25
10.80	1.31	1.09	0.27	13.40	4.58	4.34	0.25
10.85	1.33	1.11	0.29	13.45	4.60	4.36	0.23
10.90	1.35	1.13	0.29	13.50	4.61	4.38	0.23
10.95	1.37	1.15	0.31	13.55	4.63	4.39	0.21
11.00	1.39	1.18	0.32	13.60	4.64	4.41	0.20
11.05	1.42	1.20	0.35	13.65	4.66	4.42	0.20
11.10	1.45	1.23	0.36	13.70	4.67	4.43	0.20
11.15	1.48	1.26	0.40	13.75	4.68	4.45	0.19
11.20	1.51	1.29	0.41	13.80	4.70	4.46	0.19
11.25	1.54	1.32	0.44	13.85	4.71	4.48	0.19
11.30	1.57	1.35	0.45	13.90	4.72	4.49	0.19
11.35	1.61	1.38	0.49	13.95	4.74	4.50	0.18
11.40	1.64	1.42	0.49	14.00	4.75	4.51	0.18
11.45	1.68	1.46	0.52	14.05	4.76	4.53	0.18
11.50	1.72	1.49	0.54	14.10	4.78	4.54	0.17
11.55	1.78	1.55	0.78	14.15	4.79	4.55	0.17
11.60	1.83	1.61	0.82	14.20	4.80	4.56	0.17
11.65	1.90	1.67	0.85	14.25	4.81	4.57	0.16
11.70	1.96	1.73	0.88	14.30	4.82	4.59	0.16
11.75	2.04	1.82	1.14	14.35	4.83	4.60	0.16
11.80	2.13	1.90	1.21	14.40	4.85	4.61	0.16
11.85	2.25	2.02	1.58	14.45	4.86	4.62	0.15
11.90	2.36	2.13	1.72	14.50	4.87	4.63	0.15
11.95	2.57	2.34	2.68	14.55	4.88	4.64	0.14
12.00	2.77	2.54	2.96	14.60	4.89	4.65	0.14
12.05	3.11	2.88	4.49	14.65	4.90	4.66	0.14
12.10	3.45	3.21	**4.51**	14.70	4.91	4.67	0.14
12.15	3.56	3.33	2.03	14.75	4.92	4.68	0.13
12.20	3.68	3.45	1.61	14.80	4.93	4.69	0.13
12.25	3.77	3.53	1.24	14.85	4.94	4.70	0.13
12.30	3.85	3.62	1.16	14.90	4.94	4.71	0.13
12.35	3.91	3.68	0.90	14.95	4.95	4.72	0.12
12.40	3.98	3.74	0.86	15.00	4.96	4.72	0.12
12.45	4.03	3.80	0.83	15.05	4.97	4.73	0.11
12.50	4.09	3.86	0.80	15.10	4.98	4.74	0.11
12.55	4.13	3.90	0.57	15.15	4.99	4.75	0.11
12.60	4.17	3.93	0.53	15.20	4.99	4.76	0.11
12.65	4.20	3.97	0.50	15.25	5.00	4.76	0.11
12.70	4.24	4.00	0.49	15.30	5.01	4.77	0.11
12.75	4.27	4.04	0.46	15.35	5.02	4.78	0.11
12.80	4.30	4.07	0.45	15.40	5.03	4.79	0.11
12.85	4.33	4.10	0.41	15.45	5.03	4.80	0.11
12.90	4.36	4.13	0.41	15.50	5.04	4.80	0.11
12.95	4.39	4.15	0.37	15.55	5.05	4.81	0.11

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.11	18.20	5.37	5.13	0.06
15.65	5.06	4.83	0.10	18.25	5.37	5.14	0.06
15.70	5.07	4.83	0.10	18.30	5.38	5.14	0.06
15.75	5.08	4.84	0.10	18.35	5.38	5.14	0.06
15.80	5.09	4.85	0.10	18.40	5.39	5.15	0.06
15.85	5.09	4.86	0.10	18.45	5.39	5.15	0.06
15.90	5.10	4.86	0.10	18.50	5.40	5.16	0.06
15.95	5.11	4.87	0.10	18.55	5.40	5.16	0.06
16.00	5.11	4.88	0.10	18.60	5.40	5.17	0.06
16.05	5.12	4.88	0.10	18.65	5.41	5.17	0.06
16.10	5.13	4.89	0.10	18.70	5.41	5.18	0.06
16.15	5.13	4.90	0.10	18.75	5.42	5.18	0.06
16.20	5.14	4.90	0.10	18.80	5.42	5.19	0.06
16.25	5.15	4.91	0.09	18.85	5.43	5.19	0.06
16.30	5.16	4.92	0.09	18.90	5.43	5.19	0.06
16.35	5.16	4.92	0.09	18.95	5.44	5.20	0.06
16.40	5.17	4.93	0.09	19.00	5.44	5.20	0.06
16.45	5.17	4.94	0.09	19.05	5.44	5.21	0.06
16.50	5.18	4.94	0.09	19.10	5.45	5.21	0.06
16.55	5.19	4.95	0.09	19.15	5.45	5.22	0.06
16.60	5.19	4.96	0.09	19.20	5.46	5.22	0.06
16.65	5.20	4.96	0.09	19.25	5.46	5.22	0.06
16.70	5.21	4.97	0.09	19.30	5.47	5.23	0.06
16.75	5.21	4.98	0.09	19.35	5.47	5.23	0.06
16.80	5.22	4.98	0.09	19.40	5.48	5.24	0.06
16.85	5.23	4.99	0.09	19.45	5.48	5.24	0.06
16.90	5.23	4.99	0.08	19.50	5.48	5.25	0.06
16.95	5.24	5.00	0.08	19.55	5.49	5.25	0.06
17.00	5.24	5.01	0.08	19.60	5.49	5.25	0.06
17.05	5.25	5.01	0.08	19.65	5.50	5.26	0.06
17.10	5.25	5.02	0.08	19.70	5.50	5.26	0.06
17.15	5.26	5.02	0.08	19.75	5.50	5.27	0.06
17.20	5.27	5.03	0.08	19.80	5.51	5.27	0.06
17.25	5.27	5.03	0.08	19.85	5.51	5.28	0.06
17.30	5.28	5.04	0.08	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.08	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.08	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.08	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.07	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.07	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.07	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.07	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.07	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.07	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.07	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.07	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.07	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.07	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.07	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.07	20.65	5.58	5.34	0.05
18.10	5.36	5.12	0.07	20.70	5.58	5.34	0.05
18.15	5.36	5.13	0.07	20.75	5.59	5.35	0.05

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.05	23.40	5.77	5.53	0.04
20.85	5.59	5.36	0.05	23.45	5.78	5.54	0.04
20.90	5.60	5.36	0.05	23.50	5.78	5.54	0.04
20.95	5.60	5.36	0.05	23.55	5.78	5.54	0.04
21.00	5.61	5.37	0.05	23.60	5.78	5.55	0.04
21.05	5.61	5.37	0.05	23.65	5.79	5.55	0.04
21.10	5.61	5.37	0.05	23.70	5.79	5.55	0.04
21.15	5.62	5.38	0.05	23.75	5.79	5.56	0.04
21.20	5.62	5.38	0.05	23.80	5.80	5.56	0.04
21.25	5.62	5.39	0.05	23.85	5.80	5.56	0.04
21.30	5.63	5.39	0.05	23.90	5.80	5.56	0.04
21.35	5.63	5.39	0.05	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.05	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.05	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.05	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.05	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.05	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.05	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.05	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.05	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.05	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.05	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.05	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.05	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.05	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.05	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.04	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.04	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.04	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.04	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.04	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

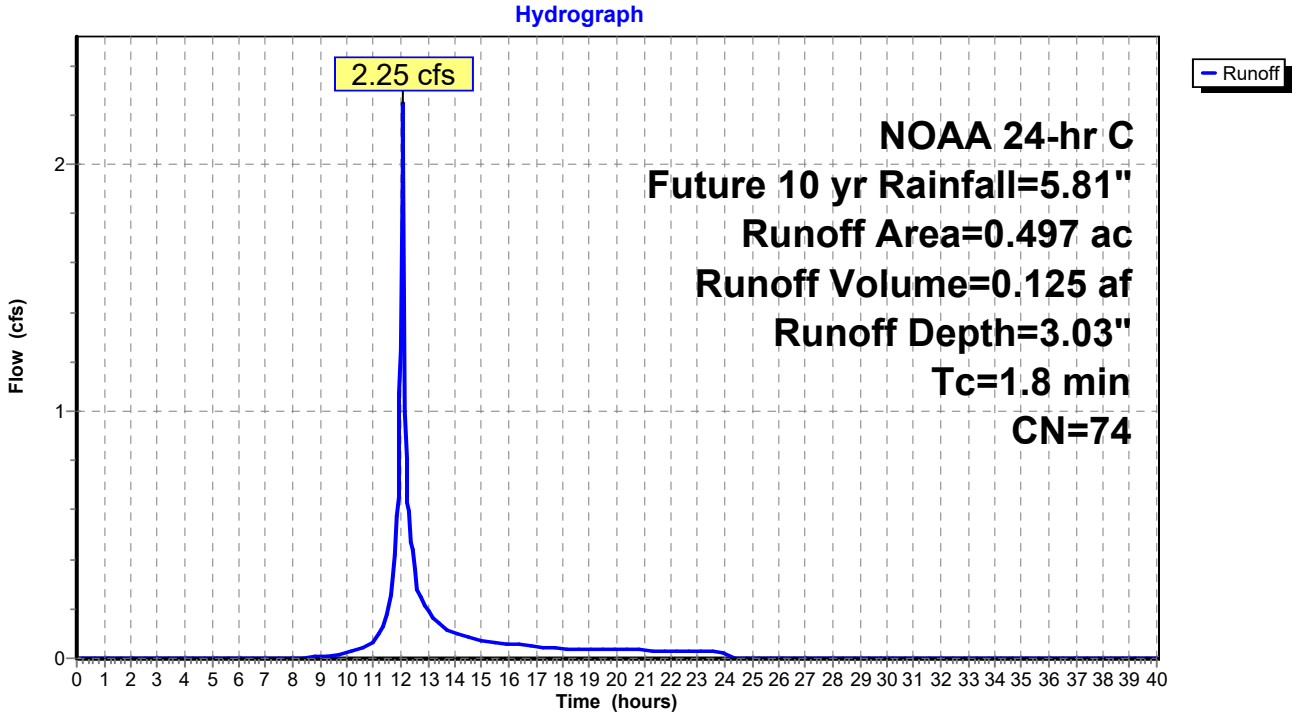
Runoff = 2.25 cfs @ 12.08 hrs, Volume= 0.125 af, Depth= 3.03"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.01
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.01
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.01
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.01
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.01
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.02
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.02
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.02
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.02
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.02
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.03
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.03
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.03
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.03

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.03	13.00	4.42	1.91	0.20
10.45	1.18	0.06	0.03	13.05	4.44	1.93	0.18
10.50	1.20	0.06	0.03	13.10	4.46	1.94	0.18
10.55	1.21	0.06	0.04	13.15	4.48	1.96	0.17
10.60	1.23	0.07	0.04	13.20	4.50	1.98	0.16
10.65	1.25	0.07	0.04	13.25	4.52	1.99	0.15
10.70	1.27	0.08	0.05	13.30	4.54	2.01	0.15
10.75	1.29	0.08	0.05	13.35	4.56	2.02	0.14
10.80	1.31	0.09	0.05	13.40	4.58	2.03	0.14
10.85	1.33	0.09	0.06	13.45	4.60	2.05	0.13
10.90	1.35	0.10	0.06	13.50	4.61	2.06	0.13
10.95	1.37	0.11	0.07	13.55	4.63	2.07	0.12
11.00	1.39	0.11	0.07	13.60	4.64	2.08	0.11
11.05	1.42	0.12	0.08	13.65	4.66	2.09	0.11
11.10	1.45	0.13	0.08	13.70	4.67	2.10	0.11
11.15	1.48	0.14	0.09	13.75	4.68	2.12	0.11
11.20	1.51	0.15	0.10	13.80	4.70	2.13	0.11
11.25	1.54	0.16	0.11	13.85	4.71	2.14	0.11
11.30	1.57	0.17	0.11	13.90	4.72	2.15	0.10
11.35	1.61	0.18	0.13	13.95	4.74	2.16	0.10
11.40	1.64	0.20	0.13	14.00	4.75	2.17	0.10
11.45	1.68	0.21	0.14	14.05	4.76	2.18	0.10
11.50	1.72	0.23	0.15	14.10	4.78	2.19	0.10
11.55	1.78	0.25	0.23	14.15	4.79	2.20	0.10
11.60	1.83	0.28	0.25	14.20	4.80	2.21	0.10
11.65	1.90	0.30	0.27	14.25	4.81	2.21	0.09
11.70	1.96	0.33	0.29	14.30	4.82	2.22	0.09
11.75	2.04	0.37	0.38	14.35	4.83	2.23	0.09
11.80	2.13	0.41	0.42	14.40	4.85	2.24	0.09
11.85	2.25	0.47	0.57	14.45	4.86	2.25	0.09
11.90	2.36	0.53	0.65	14.50	4.87	2.26	0.09
11.95	2.57	0.65	1.07	14.55	4.88	2.27	0.08
12.00	2.77	0.77	1.25	14.60	4.89	2.27	0.08
12.05	3.11	0.98	2.02	14.65	4.90	2.28	0.08
12.10	3.45	1.20	**2.15**	14.70	4.91	2.29	0.08
12.15	3.56	1.28	1.00	14.75	4.92	2.30	0.08
12.20	3.68	1.37	0.81	14.80	4.93	2.31	0.08
12.25	3.77	1.43	0.63	14.85	4.94	2.31	0.07
12.30	3.85	1.49	0.60	14.90	4.94	2.32	0.07
12.35	3.91	1.53	0.47	14.95	4.95	2.33	0.07
12.40	3.98	1.58	0.45	15.00	4.96	2.33	0.07
12.45	4.03	1.62	0.43	15.05	4.97	2.34	0.07
12.50	4.09	1.67	0.42	15.10	4.98	2.35	0.07
12.55	4.13	1.69	0.30	15.15	4.99	2.35	0.06
12.60	4.17	1.72	0.28	15.20	4.99	2.36	0.06
12.65	4.20	1.75	0.27	15.25	5.00	2.37	0.06
12.70	4.24	1.77	0.27	15.30	5.01	2.37	0.06
12.75	4.27	1.80	0.25	15.35	5.02	2.38	0.06
12.80	4.30	1.82	0.24	15.40	5.03	2.38	0.06
12.85	4.33	1.85	0.23	15.45	5.03	2.39	0.06
12.90	4.36	1.87	0.22	15.50	5.04	2.40	0.06
12.95	4.39	1.89	0.20	15.55	5.05	2.40	0.06

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.06	18.20	5.37	2.66	0.04
15.65	5.06	2.41	0.06	18.25	5.37	2.67	0.04
15.70	5.07	2.42	0.06	18.30	5.38	2.67	0.04
15.75	5.08	2.43	0.06	18.35	5.38	2.67	0.04
15.80	5.09	2.43	0.06	18.40	5.39	2.68	0.04
15.85	5.09	2.44	0.06	18.45	5.39	2.68	0.04
15.90	5.10	2.44	0.06	18.50	5.40	2.68	0.04
15.95	5.11	2.45	0.06	18.55	5.40	2.69	0.04
16.00	5.11	2.46	0.06	18.60	5.40	2.69	0.04
16.05	5.12	2.46	0.06	18.65	5.41	2.69	0.04
16.10	5.13	2.47	0.06	18.70	5.41	2.70	0.04
16.15	5.13	2.47	0.06	18.75	5.42	2.70	0.04
16.20	5.14	2.48	0.06	18.80	5.42	2.71	0.04
16.25	5.15	2.48	0.05	18.85	5.43	2.71	0.04
16.30	5.16	2.49	0.05	18.90	5.43	2.71	0.04
16.35	5.16	2.49	0.05	18.95	5.44	2.72	0.04
16.40	5.17	2.50	0.05	19.00	5.44	2.72	0.04
16.45	5.17	2.50	0.05	19.05	5.44	2.72	0.04
16.50	5.18	2.51	0.05	19.10	5.45	2.73	0.04
16.55	5.19	2.52	0.05	19.15	5.45	2.73	0.04
16.60	5.19	2.52	0.05	19.20	5.46	2.73	0.04
16.65	5.20	2.53	0.05	19.25	5.46	2.74	0.04
16.70	5.21	2.53	0.05	19.30	5.47	2.74	0.04
16.75	5.21	2.54	0.05	19.35	5.47	2.75	0.04
16.80	5.22	2.54	0.05	19.40	5.48	2.75	0.04
16.85	5.23	2.55	0.05	19.45	5.48	2.75	0.04
16.90	5.23	2.55	0.05	19.50	5.48	2.76	0.04
16.95	5.24	2.55	0.05	19.55	5.49	2.76	0.03
17.00	5.24	2.56	0.05	19.60	5.49	2.76	0.03
17.05	5.25	2.56	0.05	19.65	5.50	2.77	0.03
17.10	5.25	2.57	0.05	19.70	5.50	2.77	0.03
17.15	5.26	2.57	0.05	19.75	5.50	2.77	0.03
17.20	5.27	2.58	0.05	19.80	5.51	2.78	0.03
17.25	5.27	2.58	0.05	19.85	5.51	2.78	0.03
17.30	5.28	2.59	0.05	19.90	5.52	2.78	0.03
17.35	5.28	2.59	0.04	19.95	5.52	2.79	0.03
17.40	5.29	2.60	0.04	20.00	5.53	2.79	0.03
17.45	5.29	2.60	0.04	20.05	5.53	2.79	0.03
17.50	5.30	2.61	0.04	20.10	5.53	2.80	0.03
17.55	5.30	2.61	0.04	20.15	5.54	2.80	0.03
17.60	5.31	2.61	0.04	20.20	5.54	2.80	0.03
17.65	5.31	2.62	0.04	20.25	5.55	2.81	0.03
17.70	5.32	2.62	0.04	20.30	5.55	2.81	0.03
17.75	5.33	2.63	0.04	20.35	5.55	2.81	0.03
17.80	5.33	2.63	0.04	20.40	5.56	2.82	0.03
17.85	5.34	2.63	0.04	20.45	5.56	2.82	0.03
17.90	5.34	2.64	0.04	20.50	5.57	2.82	0.03
17.95	5.34	2.64	0.04	20.55	5.57	2.83	0.03
18.00	5.35	2.65	0.04	20.60	5.57	2.83	0.03
18.05	5.35	2.65	0.04	20.65	5.58	2.83	0.03
18.10	5.36	2.65	0.04	20.70	5.58	2.84	0.03
18.15	5.36	2.66	0.04	20.75	5.59	2.84	0.03

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.03	23.40	5.77	2.99	0.03
20.85	5.59	2.85	0.03	23.45	5.78	3.00	0.03
20.90	5.60	2.85	0.03	23.50	5.78	3.00	0.03
20.95	5.60	2.85	0.03	23.55	5.78	3.00	0.03
21.00	5.61	2.86	0.03	23.60	5.78	3.00	0.03
21.05	5.61	2.86	0.03	23.65	5.79	3.01	0.03
21.10	5.61	2.86	0.03	23.70	5.79	3.01	0.03
21.15	5.62	2.87	0.03	23.75	5.79	3.01	0.03
21.20	5.62	2.87	0.03	23.80	5.80	3.01	0.03
21.25	5.62	2.87	0.03	23.85	5.80	3.02	0.03
21.30	5.63	2.87	0.03	23.90	5.80	3.02	0.03
21.35	5.63	2.88	0.03	23.95	5.81	3.02	0.03
21.40	5.64	2.88	0.03	24.00	**5.81**	**3.03**	0.03
21.45	5.64	2.88	0.03	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.03	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.03	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.03	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.03	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.03	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.03	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.03	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.03	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.03	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.03	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.03	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.03	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.03	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.03	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.03	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.03	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.03	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.03	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.03	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.03	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.03	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.03	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.03	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.03	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.03	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.03	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.03	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.03	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.03	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.03	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.03	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.03	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.03	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.03	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.03	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.03	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.03	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.03	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

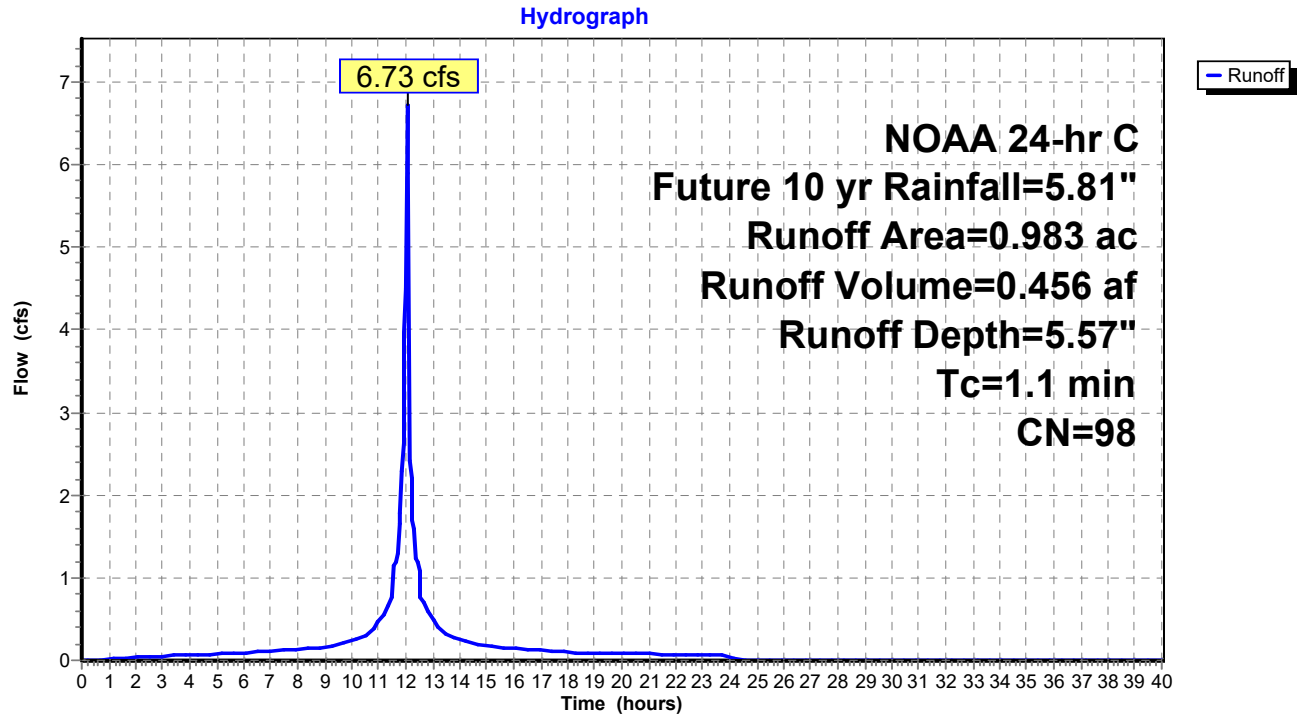
Runoff = 6.73 cfs @ 12.06 hrs, Volume= 0.456 af, Depth= 5.57"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.05
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.05
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.05
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.05
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.05
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.05
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.05
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.05
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.05
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.06
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.06
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.06
0.80	0.05	0.00	0.01	3.40	0.24	0.10	0.06
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.06
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.06
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.06
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.06
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.06
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.06
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.06
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.06
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.06
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.06
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.03	4.10	0.29	0.14	0.07
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.07
1.60	0.10	0.01	0.03	4.20	0.30	0.15	0.07
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.07
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.07
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.07
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.07
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.07
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.07
1.95	0.13	0.03	0.04	4.55	0.33	0.17	0.07
2.00	0.13	0.03	0.04	4.60	0.33	0.17	0.07
2.05	0.13	0.03	0.04	4.65	0.34	0.18	0.07
2.10	0.14	0.03	0.04	4.70	0.34	0.18	0.07
2.15	0.14	0.03	0.04	4.75	0.35	0.18	0.07
2.20	0.15	0.04	0.04	4.80	0.35	0.19	0.07
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.07
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.07
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.07
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.07
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.07
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.08
2.55	0.17	0.05	0.05	5.15	0.38	0.21	0.08

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.08	7.80	0.67	0.47	0.13
5.25	0.39	0.22	0.08	7.85	0.68	0.48	0.13
5.30	0.40	0.23	0.08	7.90	0.68	0.49	0.13
5.35	0.40	0.23	0.08	7.95	0.69	0.49	0.13
5.40	0.41	0.23	0.08	8.00	0.70	0.50	0.13
5.45	0.41	0.24	0.08	8.05	0.70	0.51	0.13
5.50	0.41	0.24	0.08	8.10	0.71	0.51	0.13
5.55	0.42	0.25	0.08	8.15	0.72	0.52	0.14
5.60	0.42	0.25	0.08	8.20	0.72	0.53	0.14
5.65	0.43	0.25	0.08	8.25	0.73	0.53	0.14
5.70	0.43	0.26	0.08	8.30	0.74	0.54	0.14
5.75	0.44	0.26	0.08	8.35	0.75	0.55	0.14
5.80	0.44	0.27	0.08	8.40	0.75	0.55	0.14
5.85	0.45	0.27	0.08	8.45	0.76	0.56	0.14
5.90	0.45	0.27	0.08	8.50	0.77	0.57	0.14
5.95	0.46	0.28	0.08	8.55	0.78	0.58	0.14
6.00	0.46	0.28	0.08	8.60	0.78	0.58	0.15
6.05	0.47	0.29	0.08	8.65	0.79	0.59	0.15
6.10	0.47	0.29	0.09	8.70	0.80	0.60	0.15
6.15	0.47	0.30	0.09	8.75	0.81	0.61	0.15
6.20	0.48	0.30	0.09	8.80	0.82	0.61	0.15
6.25	0.48	0.30	0.09	8.85	0.82	0.62	0.15
6.30	0.49	0.31	0.09	8.90	0.83	0.63	0.15
6.35	0.50	0.31	0.09	8.95	0.84	0.64	0.16
6.40	0.50	0.32	0.09	9.00	0.85	0.64	0.16
6.45	0.51	0.32	0.09	9.05	0.86	0.65	0.16
6.50	0.51	0.33	0.10	9.10	0.87	0.66	0.16
6.55	0.52	0.33	0.10	9.15	0.87	0.67	0.17
6.60	0.52	0.34	0.10	9.20	0.88	0.68	0.17
6.65	0.53	0.34	0.10	9.25	0.89	0.69	0.18
6.70	0.53	0.35	0.10	9.30	0.90	0.70	0.18
6.75	0.54	0.35	0.10	9.35	0.91	0.71	0.19
6.80	0.54	0.36	0.10	9.40	0.92	0.72	0.19
6.85	0.55	0.36	0.10	9.45	0.93	0.73	0.20
6.90	0.56	0.37	0.10	9.50	0.94	0.74	0.20
6.95	0.56	0.37	0.11	9.55	0.95	0.75	0.21
7.00	0.57	0.38	0.11	9.60	0.96	0.76	0.21
7.05	0.57	0.38	0.11	9.65	0.98	0.77	0.21
7.10	0.58	0.39	0.11	9.70	0.99	0.78	0.22
7.15	0.58	0.40	0.11	9.75	1.00	0.79	0.22
7.20	0.59	0.40	0.11	9.80	1.01	0.80	0.22
7.25	0.60	0.41	0.11	9.85	1.02	0.81	0.23
7.30	0.60	0.41	0.11	9.90	1.03	0.82	0.23
7.35	0.61	0.42	0.12	9.95	1.05	0.84	0.24
7.40	0.62	0.42	0.12	10.00	1.06	0.85	0.24
7.45	0.62	0.43	0.12	10.05	1.07	0.86	0.25
7.50	0.63	0.44	0.12	10.10	1.09	0.87	0.25
7.55	0.64	0.44	0.12	10.15	1.10	0.89	0.26
7.60	0.64	0.45	0.12	10.20	1.11	0.90	0.26
7.65	0.65	0.45	0.12	10.25	1.13	0.91	0.27
7.70	0.65	0.46	0.12	10.30	1.14	0.93	0.27
7.75	0.66	0.47	0.13	10.35	1.15	0.94	0.28

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.28	13.00	4.42	4.18	0.51
10.45	1.18	0.97	0.28	13.05	4.44	4.20	0.46
10.50	1.20	0.98	0.29	13.10	4.46	4.23	0.45
10.55	1.21	1.00	0.32	13.15	4.48	4.25	0.42
10.60	1.23	1.02	0.32	13.20	4.50	4.27	0.42
10.65	1.25	1.03	0.35	13.25	4.52	4.29	0.39
10.70	1.27	1.05	0.36	13.30	4.54	4.31	0.38
10.75	1.29	1.07	0.38	13.35	4.56	4.33	0.36
10.80	1.31	1.09	0.39	13.40	4.58	4.34	0.35
10.85	1.33	1.11	0.41	13.45	4.60	4.36	0.32
10.90	1.35	1.13	0.42	13.50	4.61	4.38	0.32
10.95	1.37	1.15	0.45	13.55	4.63	4.39	0.29
11.00	1.39	1.18	0.46	13.60	4.64	4.41	0.29
11.05	1.42	1.20	0.51	13.65	4.66	4.42	0.28
11.10	1.45	1.23	0.52	13.70	4.67	4.43	0.28
11.15	1.48	1.26	0.57	13.75	4.68	4.45	0.27
11.20	1.51	1.29	0.58	13.80	4.70	4.46	0.27
11.25	1.54	1.32	0.63	13.85	4.71	4.48	0.27
11.30	1.57	1.35	0.64	13.90	4.72	4.49	0.26
11.35	1.61	1.38	0.69	13.95	4.74	4.50	0.26
11.40	1.64	1.42	0.70	14.00	4.75	4.51	0.25
11.45	1.68	1.46	0.74	14.05	4.76	4.53	0.25
11.50	1.72	1.49	0.82	14.10	4.78	4.54	0.25
11.55	1.78	1.55	1.14	14.15	4.79	4.55	0.24
11.60	1.83	1.61	1.16	14.20	4.80	4.56	0.24
11.65	1.90	1.67	1.21	14.25	4.81	4.57	0.23
11.70	1.96	1.73	1.30	14.30	4.82	4.59	0.23
11.75	2.04	1.82	1.66	14.35	4.83	4.60	0.22
11.80	2.13	1.90	1.78	14.40	4.85	4.61	0.22
11.85	2.25	2.02	2.30	14.45	4.86	4.62	0.21
11.90	2.36	2.13	2.62	14.50	4.87	4.63	0.21
11.95	2.57	2.34	3.97	14.55	4.88	4.64	0.20
12.00	2.77	2.54	4.49	14.60	4.89	4.65	0.20
12.05	3.11	2.88	**6.64**	14.65	4.90	4.66	0.20
12.10	3.45	3.21	5.91	14.70	4.91	4.67	0.19
12.15	3.56	3.33	2.41	14.75	4.92	4.68	0.19
12.20	3.68	3.45	2.21	14.80	4.93	4.69	0.19
12.25	3.77	3.53	1.69	14.85	4.94	4.70	0.18
12.30	3.85	3.62	1.59	14.90	4.94	4.71	0.18
12.35	3.91	3.68	1.23	14.95	4.95	4.72	0.17
12.40	3.98	3.74	1.21	15.00	4.96	4.72	0.17
12.45	4.03	3.80	1.16	15.05	4.97	4.73	0.16
12.50	4.09	3.86	1.09	15.10	4.98	4.74	0.16
12.55	4.13	3.90	0.76	15.15	4.99	4.75	0.16
12.60	4.17	3.93	0.74	15.20	4.99	4.76	0.16
12.65	4.20	3.97	0.70	15.25	5.00	4.76	0.16
12.70	4.24	4.00	0.69	15.30	5.01	4.77	0.16
12.75	4.27	4.04	0.64	15.35	5.02	4.78	0.15
12.80	4.30	4.07	0.63	15.40	5.03	4.79	0.15
12.85	4.33	4.10	0.58	15.45	5.03	4.80	0.15
12.90	4.36	4.13	0.57	15.50	5.04	4.80	0.15
12.95	4.39	4.15	0.52	15.55	5.05	4.81	0.15

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.15	18.20	5.37	5.13	0.09
15.65	5.06	4.83	0.15	18.25	5.37	5.14	0.09
15.70	5.07	4.83	0.15	18.30	5.38	5.14	0.09
15.75	5.08	4.84	0.14	18.35	5.38	5.14	0.09
15.80	5.09	4.85	0.14	18.40	5.39	5.15	0.09
15.85	5.09	4.86	0.14	18.45	5.39	5.15	0.09
15.90	5.10	4.86	0.14	18.50	5.40	5.16	0.09
15.95	5.11	4.87	0.14	18.55	5.40	5.16	0.09
16.00	5.11	4.88	0.14	18.60	5.40	5.17	0.09
16.05	5.12	4.88	0.14	18.65	5.41	5.17	0.09
16.10	5.13	4.89	0.14	18.70	5.41	5.18	0.09
16.15	5.13	4.90	0.14	18.75	5.42	5.18	0.09
16.20	5.14	4.90	0.14	18.80	5.42	5.19	0.09
16.25	5.15	4.91	0.13	18.85	5.43	5.19	0.09
16.30	5.16	4.92	0.13	18.90	5.43	5.19	0.09
16.35	5.16	4.92	0.13	18.95	5.44	5.20	0.09
16.40	5.17	4.93	0.13	19.00	5.44	5.20	0.09
16.45	5.17	4.94	0.13	19.05	5.44	5.21	0.09
16.50	5.18	4.94	0.13	19.10	5.45	5.21	0.09
16.55	5.19	4.95	0.13	19.15	5.45	5.22	0.09
16.60	5.19	4.96	0.13	19.20	5.46	5.22	0.09
16.65	5.20	4.96	0.12	19.25	5.46	5.22	0.09
16.70	5.21	4.97	0.12	19.30	5.47	5.23	0.09
16.75	5.21	4.98	0.12	19.35	5.47	5.23	0.09
16.80	5.22	4.98	0.12	19.40	5.48	5.24	0.09
16.85	5.23	4.99	0.12	19.45	5.48	5.24	0.08
16.90	5.23	4.99	0.12	19.50	5.48	5.25	0.08
16.95	5.24	5.00	0.12	19.55	5.49	5.25	0.08
17.00	5.24	5.01	0.12	19.60	5.49	5.25	0.08
17.05	5.25	5.01	0.12	19.65	5.50	5.26	0.08
17.10	5.25	5.02	0.12	19.70	5.50	5.26	0.08
17.15	5.26	5.02	0.11	19.75	5.50	5.27	0.08
17.20	5.27	5.03	0.11	19.80	5.51	5.27	0.08
17.25	5.27	5.03	0.11	19.85	5.51	5.28	0.08
17.30	5.28	5.04	0.11	19.90	5.52	5.28	0.08
17.35	5.28	5.05	0.11	19.95	5.52	5.28	0.08
17.40	5.29	5.05	0.11	20.00	5.53	5.29	0.08
17.45	5.29	5.06	0.11	20.05	5.53	5.29	0.08
17.50	5.30	5.06	0.11	20.10	5.53	5.30	0.08
17.55	5.30	5.07	0.10	20.15	5.54	5.30	0.08
17.60	5.31	5.07	0.10	20.20	5.54	5.30	0.08
17.65	5.31	5.08	0.10	20.25	5.55	5.31	0.08
17.70	5.32	5.08	0.10	20.30	5.55	5.31	0.08
17.75	5.33	5.09	0.10	20.35	5.55	5.32	0.08
17.80	5.33	5.09	0.10	20.40	5.56	5.32	0.08
17.85	5.34	5.10	0.10	20.45	5.56	5.32	0.08
17.90	5.34	5.10	0.10	20.50	5.57	5.33	0.08
17.95	5.34	5.11	0.09	20.55	5.57	5.33	0.08
18.00	5.35	5.11	0.09	20.60	5.57	5.34	0.08
18.05	5.35	5.12	0.09	20.65	5.58	5.34	0.08
18.10	5.36	5.12	0.09	20.70	5.58	5.34	0.08
18.15	5.36	5.13	0.09	20.75	5.59	5.35	0.08

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.08	23.40	5.77	5.53	0.06
20.85	5.59	5.36	0.08	23.45	5.78	5.54	0.06
20.90	5.60	5.36	0.08	23.50	5.78	5.54	0.06
20.95	5.60	5.36	0.08	23.55	5.78	5.54	0.06
21.00	5.61	5.37	0.08	23.60	5.78	5.55	0.06
21.05	5.61	5.37	0.08	23.65	5.79	5.55	0.06
21.10	5.61	5.37	0.08	23.70	5.79	5.55	0.06
21.15	5.62	5.38	0.07	23.75	5.79	5.56	0.06
21.20	5.62	5.38	0.07	23.80	5.80	5.56	0.06
21.25	5.62	5.39	0.07	23.85	5.80	5.56	0.06
21.30	5.63	5.39	0.07	23.90	5.80	5.56	0.06
21.35	5.63	5.39	0.07	23.95	5.81	5.57	0.07
21.40	5.64	5.40	0.07	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.07	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.07	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.07	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.07	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.07	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.07	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.07	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.07	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.07	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.07	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.07	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.07	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.07	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.07	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.07	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.07	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.07	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.07	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.07	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.07	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.07	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.07	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.07	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.07	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.07	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.07	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.07	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.07	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.07	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.06	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.06	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.06	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.06	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.06	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

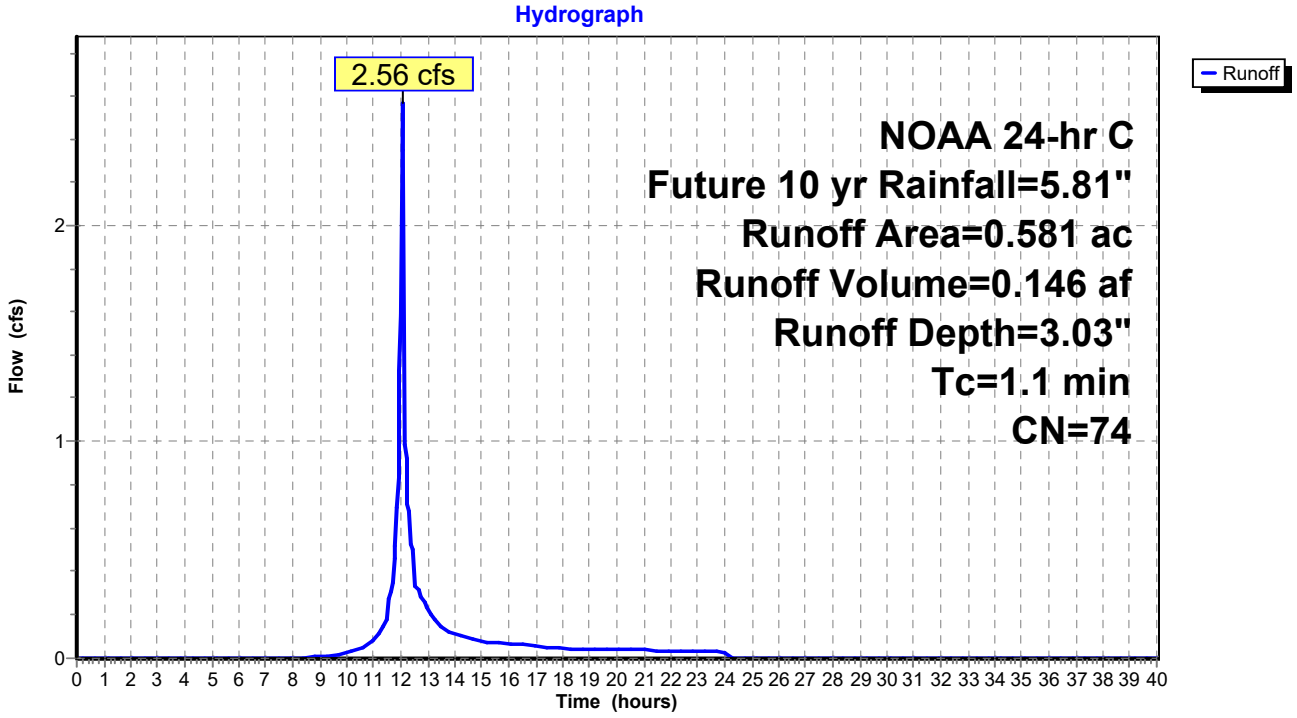
Runoff = 2.56 cfs @ 12.07 hrs, Volume= 0.146 af, Depth= 3.03"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.01
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.01
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.01
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.02
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.02
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.03
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.03
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.03
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.23
10.45	1.18	0.06	0.04	13.05	4.44	1.93	0.21
10.50	1.20	0.06	0.04	13.10	4.46	1.94	0.20
10.55	1.21	0.06	0.05	13.15	4.48	1.96	0.19
10.60	1.23	0.07	0.05	13.20	4.50	1.98	0.19
10.65	1.25	0.07	0.05	13.25	4.52	1.99	0.18
10.70	1.27	0.08	0.05	13.30	4.54	2.01	0.18
10.75	1.29	0.08	0.06	13.35	4.56	2.02	0.16
10.80	1.31	0.09	0.06	13.40	4.58	2.03	0.16
10.85	1.33	0.09	0.07	13.45	4.60	2.05	0.15
10.90	1.35	0.10	0.07	13.50	4.61	2.06	0.15
10.95	1.37	0.11	0.08	13.55	4.63	2.07	0.13
11.00	1.39	0.11	0.08	13.60	4.64	2.08	0.13
11.05	1.42	0.12	0.09	13.65	4.66	2.09	0.13
11.10	1.45	0.13	0.10	13.70	4.67	2.10	0.13
11.15	1.48	0.14	0.11	13.75	4.68	2.12	0.13
11.20	1.51	0.15	0.12	13.80	4.70	2.13	0.13
11.25	1.54	0.16	0.13	13.85	4.71	2.14	0.12
11.30	1.57	0.17	0.14	13.90	4.72	2.15	0.12
11.35	1.61	0.18	0.15	13.95	4.74	2.16	0.12
11.40	1.64	0.20	0.16	14.00	4.75	2.17	0.12
11.45	1.68	0.21	0.17	14.05	4.76	2.18	0.11
11.50	1.72	0.23	0.19	14.10	4.78	2.19	0.11
11.55	1.78	0.25	0.28	14.15	4.79	2.20	0.11
11.60	1.83	0.28	0.29	14.20	4.80	2.21	0.11
11.65	1.90	0.30	0.32	14.25	4.81	2.21	0.11
11.70	1.96	0.33	0.35	14.30	4.82	2.22	0.11
11.75	2.04	0.37	0.46	14.35	4.83	2.23	0.10
11.80	2.13	0.41	0.52	14.40	4.85	2.24	0.10
11.85	2.25	0.47	0.70	14.45	4.86	2.25	0.10
11.90	2.36	0.53	0.83	14.50	4.87	2.26	0.10
11.95	2.57	0.65	1.33	14.55	4.88	2.27	0.10
12.00	2.77	0.77	1.59	14.60	4.89	2.27	0.09
12.05	3.11	0.98	**2.50**	14.65	4.90	2.28	0.09
12.10	3.45	1.20	2.35	14.70	4.91	2.29	0.09
12.15	3.56	1.28	0.99	14.75	4.92	2.30	0.09
12.20	3.68	1.37	0.92	14.80	4.93	2.31	0.09
12.25	3.77	1.43	0.71	14.85	4.94	2.31	0.08
12.30	3.85	1.49	0.68	14.90	4.94	2.32	0.08
12.35	3.91	1.53	0.53	14.95	4.95	2.33	0.08
12.40	3.98	1.58	0.52	15.00	4.96	2.33	0.08
12.45	4.03	1.62	0.51	15.05	4.97	2.34	0.08
12.50	4.09	1.67	0.48	15.10	4.98	2.35	0.08
12.55	4.13	1.69	0.33	15.15	4.99	2.35	0.07
12.60	4.17	1.72	0.33	15.20	4.99	2.36	0.07
12.65	4.20	1.75	0.31	15.25	5.00	2.37	0.07
12.70	4.24	1.77	0.31	15.30	5.01	2.37	0.07
12.75	4.27	1.80	0.29	15.35	5.02	2.38	0.07
12.80	4.30	1.82	0.28	15.40	5.03	2.38	0.07
12.85	4.33	1.85	0.26	15.45	5.03	2.39	0.07
12.90	4.36	1.87	0.26	15.50	5.04	2.40	0.07
12.95	4.39	1.89	0.23	15.55	5.05	2.40	0.07

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.07	18.20	5.37	2.66	0.04
15.65	5.06	2.41	0.07	18.25	5.37	2.67	0.04
15.70	5.07	2.42	0.07	18.30	5.38	2.67	0.04
15.75	5.08	2.43	0.07	18.35	5.38	2.67	0.04
15.80	5.09	2.43	0.07	18.40	5.39	2.68	0.04
15.85	5.09	2.44	0.07	18.45	5.39	2.68	0.04
15.90	5.10	2.44	0.07	18.50	5.40	2.68	0.04
15.95	5.11	2.45	0.07	18.55	5.40	2.69	0.04
16.00	5.11	2.46	0.07	18.60	5.40	2.69	0.04
16.05	5.12	2.46	0.07	18.65	5.41	2.69	0.04
16.10	5.13	2.47	0.07	18.70	5.41	2.70	0.04
16.15	5.13	2.47	0.06	18.75	5.42	2.70	0.04
16.20	5.14	2.48	0.06	18.80	5.42	2.71	0.04
16.25	5.15	2.48	0.06	18.85	5.43	2.71	0.04
16.30	5.16	2.49	0.06	18.90	5.43	2.71	0.04
16.35	5.16	2.49	0.06	18.95	5.44	2.72	0.04
16.40	5.17	2.50	0.06	19.00	5.44	2.72	0.04
16.45	5.17	2.50	0.06	19.05	5.44	2.72	0.04
16.50	5.18	2.51	0.06	19.10	5.45	2.73	0.04
16.55	5.19	2.52	0.06	19.15	5.45	2.73	0.04
16.60	5.19	2.52	0.06	19.20	5.46	2.73	0.04
16.65	5.20	2.53	0.06	19.25	5.46	2.74	0.04
16.70	5.21	2.53	0.06	19.30	5.47	2.74	0.04
16.75	5.21	2.54	0.06	19.35	5.47	2.75	0.04
16.80	5.22	2.54	0.06	19.40	5.48	2.75	0.04
16.85	5.23	2.55	0.06	19.45	5.48	2.75	0.04
16.90	5.23	2.55	0.06	19.50	5.48	2.76	0.04
16.95	5.24	2.55	0.06	19.55	5.49	2.76	0.04
17.00	5.24	2.56	0.06	19.60	5.49	2.76	0.04
17.05	5.25	2.56	0.06	19.65	5.50	2.77	0.04
17.10	5.25	2.57	0.06	19.70	5.50	2.77	0.04
17.15	5.26	2.57	0.05	19.75	5.50	2.77	0.04
17.20	5.27	2.58	0.05	19.80	5.51	2.78	0.04
17.25	5.27	2.58	0.05	19.85	5.51	2.78	0.04
17.30	5.28	2.59	0.05	19.90	5.52	2.78	0.04
17.35	5.28	2.59	0.05	19.95	5.52	2.79	0.04
17.40	5.29	2.60	0.05	20.00	5.53	2.79	0.04
17.45	5.29	2.60	0.05	20.05	5.53	2.79	0.04
17.50	5.30	2.61	0.05	20.10	5.53	2.80	0.04
17.55	5.30	2.61	0.05	20.15	5.54	2.80	0.04
17.60	5.31	2.61	0.05	20.20	5.54	2.80	0.04
17.65	5.31	2.62	0.05	20.25	5.55	2.81	0.04
17.70	5.32	2.62	0.05	20.30	5.55	2.81	0.04
17.75	5.33	2.63	0.05	20.35	5.55	2.81	0.04
17.80	5.33	2.63	0.05	20.40	5.56	2.82	0.04
17.85	5.34	2.63	0.05	20.45	5.56	2.82	0.04
17.90	5.34	2.64	0.05	20.50	5.57	2.82	0.04
17.95	5.34	2.64	0.05	20.55	5.57	2.83	0.04
18.00	5.35	2.65	0.05	20.60	5.57	2.83	0.04
18.05	5.35	2.65	0.04	20.65	5.58	2.83	0.04
18.10	5.36	2.65	0.04	20.70	5.58	2.84	0.04
18.15	5.36	2.66	0.04	20.75	5.59	2.84	0.04

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.04	23.40	5.77	2.99	0.03
20.85	5.59	2.85	0.04	23.45	5.78	3.00	0.03
20.90	5.60	2.85	0.04	23.50	5.78	3.00	0.03
20.95	5.60	2.85	0.04	23.55	5.78	3.00	0.03
21.00	5.61	2.86	0.04	23.60	5.78	3.00	0.03
21.05	5.61	2.86	0.04	23.65	5.79	3.01	0.03
21.10	5.61	2.86	0.04	23.70	5.79	3.01	0.03
21.15	5.62	2.87	0.04	23.75	5.79	3.01	0.03
21.20	5.62	2.87	0.04	23.80	5.80	3.01	0.03
21.25	5.62	2.87	0.04	23.85	5.80	3.02	0.03
21.30	5.63	2.87	0.04	23.90	5.80	3.02	0.03
21.35	5.63	2.88	0.04	23.95	5.81	3.02	0.04
21.40	5.64	2.88	0.04	24.00	**5.81**	**3.03**	0.03
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.03	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.03	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.03	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.03	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.03	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.03	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.03	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.03	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.03	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.03	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.03	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.03	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.03	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.03	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.03	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.03	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.03	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.03	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.03	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.03	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.03	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.03	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.03	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.03	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.03	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.03	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.03	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.03	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.03	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.03	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.03	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

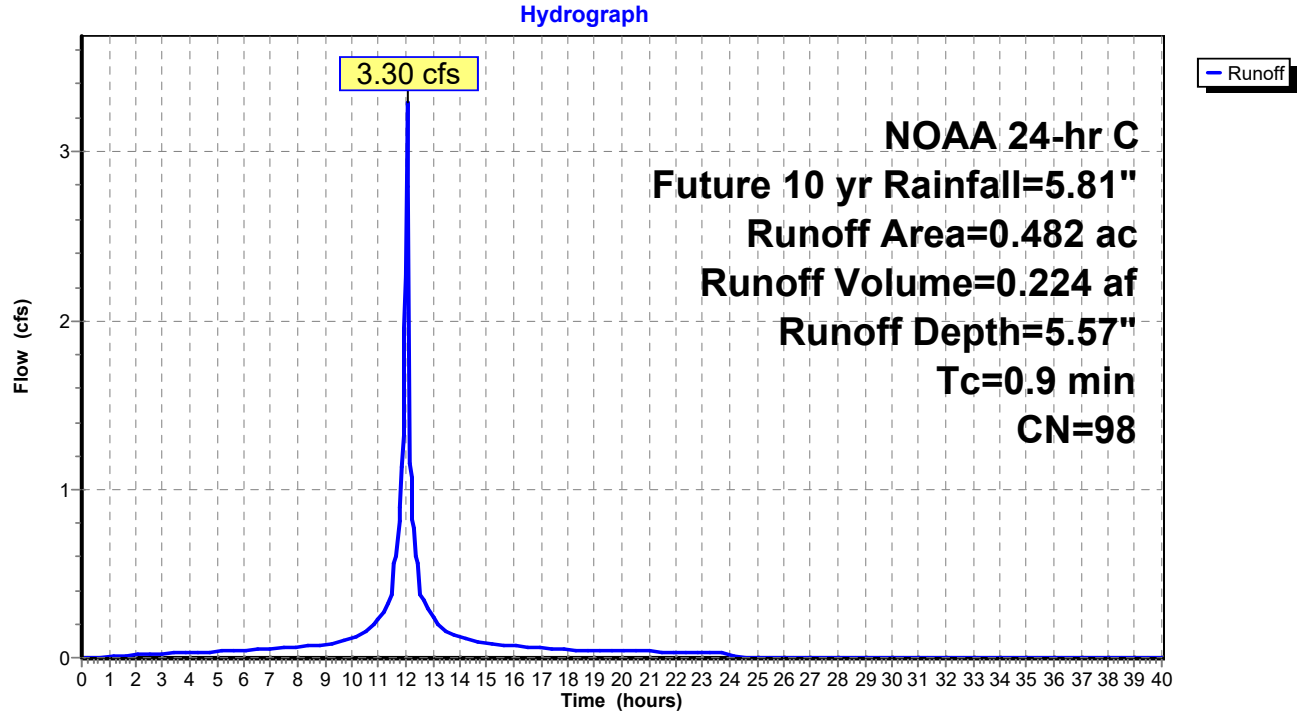
Runoff = 3.30 cfs @ 12.06 hrs, Volume= 0.224 af, Depth= 5.57"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.02
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.02
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.02
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.02
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.03
1.70	0.11	0.02	0.01	4.30	0.31	0.15	0.03
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.03
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.03
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.03
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.03
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.03
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.03
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.03
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.04
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.04
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.04
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.04
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.04
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.04
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.04
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.04

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.04	7.80	0.67	0.47	0.06
5.25	0.39	0.22	0.04	7.85	0.68	0.48	0.06
5.30	0.40	0.23	0.04	7.90	0.68	0.49	0.06
5.35	0.40	0.23	0.04	7.95	0.69	0.49	0.06
5.40	0.41	0.23	0.04	8.00	0.70	0.50	0.06
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.07
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.07
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.07
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.07
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.07
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.07
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.07
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.07
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.07
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.07
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.07
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.07
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.07
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.07
6.15	0.47	0.30	0.04	8.75	0.81	0.61	0.07
6.20	0.48	0.30	0.04	8.80	0.82	0.61	0.07
6.25	0.48	0.30	0.04	8.85	0.82	0.62	0.07
6.30	0.49	0.31	0.04	8.90	0.83	0.63	0.07
6.35	0.50	0.31	0.05	8.95	0.84	0.64	0.08
6.40	0.50	0.32	0.05	9.00	0.85	0.64	0.08
6.45	0.51	0.32	0.05	9.05	0.86	0.65	0.08
6.50	0.51	0.33	0.05	9.10	0.87	0.66	0.08
6.55	0.52	0.33	0.05	9.15	0.87	0.67	0.08
6.60	0.52	0.34	0.05	9.20	0.88	0.68	0.09
6.65	0.53	0.34	0.05	9.25	0.89	0.69	0.09
6.70	0.53	0.35	0.05	9.30	0.90	0.70	0.09
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.09
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.09
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.10
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.10
6.95	0.56	0.37	0.05	9.55	0.95	0.75	0.10
7.00	0.57	0.38	0.05	9.60	0.96	0.76	0.10
7.05	0.57	0.38	0.05	9.65	0.98	0.77	0.11
7.10	0.58	0.39	0.05	9.70	0.99	0.78	0.11
7.15	0.58	0.40	0.05	9.75	1.00	0.79	0.11
7.20	0.59	0.40	0.05	9.80	1.01	0.80	0.11
7.25	0.60	0.41	0.06	9.85	1.02	0.81	0.11
7.30	0.60	0.41	0.06	9.90	1.03	0.82	0.11
7.35	0.61	0.42	0.06	9.95	1.05	0.84	0.12
7.40	0.62	0.42	0.06	10.00	1.06	0.85	0.12
7.45	0.62	0.43	0.06	10.05	1.07	0.86	0.12
7.50	0.63	0.44	0.06	10.10	1.09	0.87	0.12
7.55	0.64	0.44	0.06	10.15	1.10	0.89	0.13
7.60	0.64	0.45	0.06	10.20	1.11	0.90	0.13
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.13
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.13
7.75	0.66	0.47	0.06	10.35	1.15	0.94	0.13

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.14	13.00	4.42	4.18	0.25
10.45	1.18	0.97	0.14	13.05	4.44	4.20	0.22
10.50	1.20	0.98	0.14	13.10	4.46	4.23	0.22
10.55	1.21	1.00	0.16	13.15	4.48	4.25	0.21
10.60	1.23	1.02	0.16	13.20	4.50	4.27	0.20
10.65	1.25	1.03	0.17	13.25	4.52	4.29	0.19
10.70	1.27	1.05	0.18	13.30	4.54	4.31	0.19
10.75	1.29	1.07	0.19	13.35	4.56	4.33	0.17
10.80	1.31	1.09	0.19	13.40	4.58	4.34	0.17
10.85	1.33	1.11	0.20	13.45	4.60	4.36	0.16
10.90	1.35	1.13	0.21	13.50	4.61	4.38	0.16
10.95	1.37	1.15	0.22	13.55	4.63	4.39	0.14
11.00	1.39	1.18	0.23	13.60	4.64	4.41	0.14
11.05	1.42	1.20	0.25	13.65	4.66	4.42	0.14
11.10	1.45	1.23	0.26	13.70	4.67	4.43	0.14
11.15	1.48	1.26	0.28	13.75	4.68	4.45	0.13
11.20	1.51	1.29	0.29	13.80	4.70	4.46	0.13
11.25	1.54	1.32	0.31	13.85	4.71	4.48	0.13
11.30	1.57	1.35	0.32	13.90	4.72	4.49	0.13
11.35	1.61	1.38	0.34	13.95	4.74	4.50	0.13
11.40	1.64	1.42	0.35	14.00	4.75	4.51	0.12
11.45	1.68	1.46	0.36	14.05	4.76	4.53	0.12
11.50	1.72	1.49	0.41	14.10	4.78	4.54	0.12
11.55	1.78	1.55	0.56	14.15	4.79	4.55	0.12
11.60	1.83	1.61	0.57	14.20	4.80	4.56	0.12
11.65	1.90	1.67	0.59	14.25	4.81	4.57	0.11
11.70	1.96	1.73	0.65	14.30	4.82	4.59	0.11
11.75	2.04	1.82	0.82	14.35	4.83	4.60	0.11
11.80	2.13	1.90	0.89	14.40	4.85	4.61	0.11
11.85	2.25	2.02	1.13	14.45	4.86	4.62	0.10
11.90	2.36	2.13	1.33	14.50	4.87	4.63	0.10
11.95	2.57	2.34	1.96	14.55	4.88	4.64	0.10
12.00	2.77	2.54	2.27	14.60	4.89	4.65	0.10
12.05	3.11	2.88	**3.27**	14.65	4.90	4.66	0.10
12.10	3.45	3.21	2.79	14.70	4.91	4.67	0.09
12.15	3.56	3.33	1.16	14.75	4.92	4.68	0.09
12.20	3.68	3.45	1.07	14.80	4.93	4.69	0.09
12.25	3.77	3.53	0.82	14.85	4.94	4.70	0.09
12.30	3.85	3.62	0.77	14.90	4.94	4.71	0.09
12.35	3.91	3.68	0.60	14.95	4.95	4.72	0.08
12.40	3.98	3.74	0.59	15.00	4.96	4.72	0.08
12.45	4.03	3.80	0.57	15.05	4.97	4.73	0.08
12.50	4.09	3.86	0.52	15.10	4.98	4.74	0.08
12.55	4.13	3.90	0.37	15.15	4.99	4.75	0.08
12.60	4.17	3.93	0.36	15.20	4.99	4.76	0.08
12.65	4.20	3.97	0.34	15.25	5.00	4.76	0.08
12.70	4.24	4.00	0.34	15.30	5.01	4.77	0.08
12.75	4.27	4.04	0.31	15.35	5.02	4.78	0.08
12.80	4.30	4.07	0.31	15.40	5.03	4.79	0.08
12.85	4.33	4.10	0.28	15.45	5.03	4.80	0.07
12.90	4.36	4.13	0.28	15.50	5.04	4.80	0.07
12.95	4.39	4.15	0.25	15.55	5.05	4.81	0.07

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.07	18.20	5.37	5.13	0.05
15.65	5.06	4.83	0.07	18.25	5.37	5.14	0.04
15.70	5.07	4.83	0.07	18.30	5.38	5.14	0.04
15.75	5.08	4.84	0.07	18.35	5.38	5.14	0.04
15.80	5.09	4.85	0.07	18.40	5.39	5.15	0.04
15.85	5.09	4.86	0.07	18.45	5.39	5.15	0.04
15.90	5.10	4.86	0.07	18.50	5.40	5.16	0.04
15.95	5.11	4.87	0.07	18.55	5.40	5.16	0.04
16.00	5.11	4.88	0.07	18.60	5.40	5.17	0.04
16.05	5.12	4.88	0.07	18.65	5.41	5.17	0.04
16.10	5.13	4.89	0.07	18.70	5.41	5.18	0.04
16.15	5.13	4.90	0.07	18.75	5.42	5.18	0.04
16.20	5.14	4.90	0.07	18.80	5.42	5.19	0.04
16.25	5.15	4.91	0.07	18.85	5.43	5.19	0.04
16.30	5.16	4.92	0.07	18.90	5.43	5.19	0.04
16.35	5.16	4.92	0.06	18.95	5.44	5.20	0.04
16.40	5.17	4.93	0.06	19.00	5.44	5.20	0.04
16.45	5.17	4.94	0.06	19.05	5.44	5.21	0.04
16.50	5.18	4.94	0.06	19.10	5.45	5.21	0.04
16.55	5.19	4.95	0.06	19.15	5.45	5.22	0.04
16.60	5.19	4.96	0.06	19.20	5.46	5.22	0.04
16.65	5.20	4.96	0.06	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.06	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.06	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.06	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.06	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.06	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.06	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.06	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.06	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.06	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.06	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.06	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.05	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.05	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.05	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.05	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.05	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.05	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.05	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.05	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.05	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.05	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.05	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.05	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.05	20.65	5.58	5.34	0.04
18.10	5.36	5.12	0.05	20.70	5.58	5.34	0.04
18.15	5.36	5.13	0.05	20.75	5.59	5.35	0.04

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.04	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.04	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.04	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.04	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.04	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.04	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.04	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.04	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.04	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.04	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.04	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.04	23.95	5.81	5.57	0.04
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.03
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.04	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.04	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.04	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.04	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.04	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.04	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.04	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.03	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.03	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.03	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.03	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.03	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.03	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.03	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.03	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.03	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.03	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.03	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.03	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.03	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.03	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.03	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.03	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 8I: PDA-8 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 8P: PDA-8 (pervious)

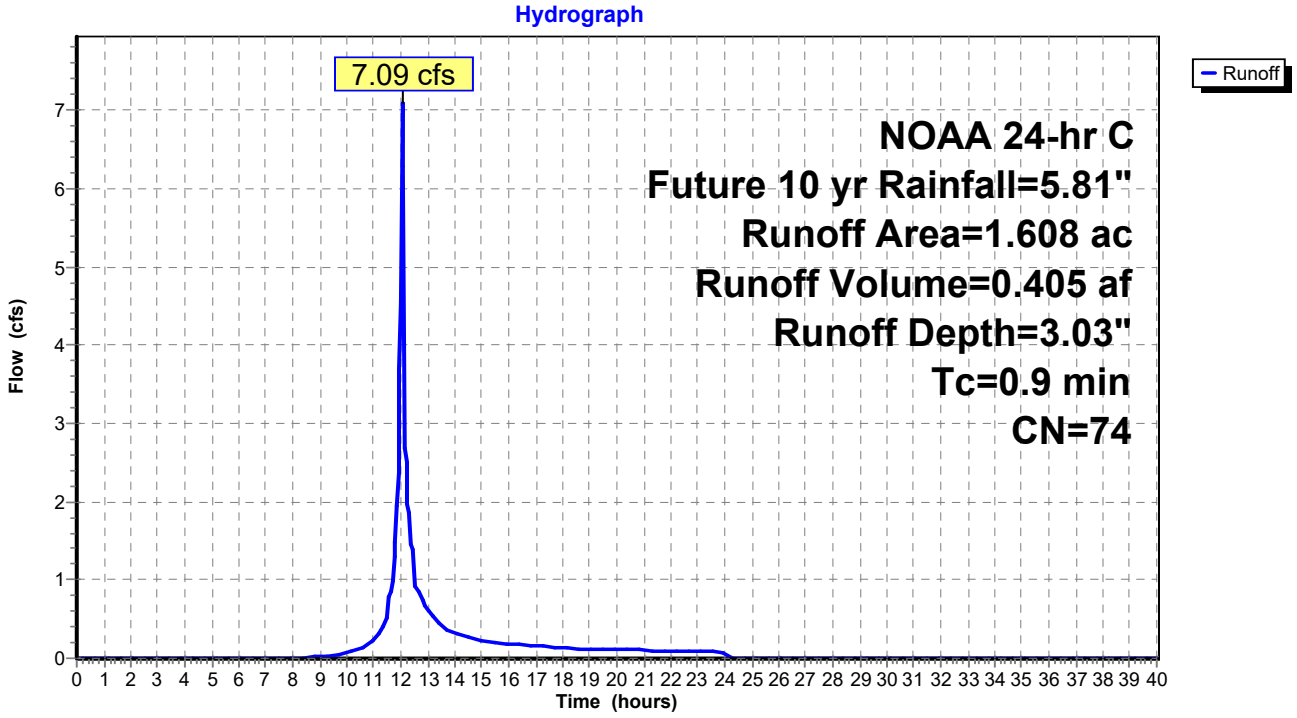
Runoff = 7.09 cfs @ 12.06 hrs, Volume= 0.405 af, Depth= 3.03"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.608	74	>75% Grass cover, Good, HSG C
1.608		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8P: PDA-8 (pervious)



Hydrograph for Subcatchment 8P: PDA-8 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.01
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.02
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.02
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.02
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.03
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.03
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.04
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.04
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.04
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.05
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.05
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.05
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.06
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.06
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.06
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.06
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.07
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.07
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.08
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.08
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.08
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.09
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.09
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.09
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.10

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.10	13.00	4.42	1.91	0.63
10.45	1.18	0.06	0.11	13.05	4.44	1.93	0.57
10.50	1.20	0.06	0.11	13.10	4.46	1.94	0.56
10.55	1.21	0.06	0.13	13.15	4.48	1.96	0.53
10.60	1.23	0.07	0.13	13.20	4.50	1.98	0.52
10.65	1.25	0.07	0.15	13.25	4.52	1.99	0.49
10.70	1.27	0.08	0.15	13.30	4.54	2.01	0.48
10.75	1.29	0.08	0.17	13.35	4.56	2.02	0.45
10.80	1.31	0.09	0.18	13.40	4.58	2.03	0.44
10.85	1.33	0.09	0.19	13.45	4.60	2.05	0.41
10.90	1.35	0.10	0.20	13.50	4.61	2.06	0.40
10.95	1.37	0.11	0.22	13.55	4.63	2.07	0.37
11.00	1.39	0.11	0.23	13.60	4.64	2.08	0.37
11.05	1.42	0.12	0.26	13.65	4.66	2.09	0.36
11.10	1.45	0.13	0.28	13.70	4.67	2.10	0.36
11.15	1.48	0.14	0.31	13.75	4.68	2.12	0.35
11.20	1.51	0.15	0.33	13.80	4.70	2.13	0.35
11.25	1.54	0.16	0.36	13.85	4.71	2.14	0.34
11.30	1.57	0.17	0.38	13.90	4.72	2.15	0.34
11.35	1.61	0.18	0.42	13.95	4.74	2.16	0.33
11.40	1.64	0.20	0.44	14.00	4.75	2.17	0.33
11.45	1.68	0.21	0.47	14.05	4.76	2.18	0.32
11.50	1.72	0.23	0.55	14.10	4.78	2.19	0.32
11.55	1.78	0.25	0.78	14.15	4.79	2.20	0.31
11.60	1.83	0.28	0.82	14.20	4.80	2.21	0.31
11.65	1.90	0.30	0.88	14.25	4.81	2.21	0.30
11.70	1.96	0.33	0.99	14.30	4.82	2.22	0.29
11.75	2.04	0.37	1.29	14.35	4.83	2.23	0.29
11.80	2.13	0.41	1.47	14.40	4.85	2.24	0.28
11.85	2.25	0.47	1.94	14.45	4.86	2.25	0.28
11.90	2.36	0.53	2.38	14.50	4.87	2.26	0.27
11.95	2.57	0.65	3.70	14.55	4.88	2.27	0.26
12.00	2.77	0.77	4.54	14.60	4.89	2.27	0.26
12.05	3.11	0.98	**6.97**	14.65	4.90	2.28	0.25
12.10	3.45	1.20	6.28	14.70	4.91	2.29	0.25
12.15	3.56	1.28	2.68	14.75	4.92	2.30	0.24
12.20	3.68	1.37	2.51	14.80	4.93	2.31	0.24
12.25	3.77	1.43	1.96	14.85	4.94	2.31	0.23
12.30	3.85	1.49	1.86	14.90	4.94	2.32	0.23
12.35	3.91	1.53	1.46	14.95	4.95	2.33	0.22
12.40	3.98	1.58	1.45	15.00	4.96	2.33	0.22
12.45	4.03	1.62	1.40	15.05	4.97	2.34	0.21
12.50	4.09	1.67	1.29	15.10	4.98	2.35	0.21
12.55	4.13	1.69	0.92	15.15	4.99	2.35	0.21
12.60	4.17	1.72	0.90	15.20	4.99	2.36	0.21
12.65	4.20	1.75	0.86	15.25	5.00	2.37	0.20
12.70	4.24	1.77	0.85	15.30	5.01	2.37	0.20
12.75	4.27	1.80	0.79	15.35	5.02	2.38	0.20
12.80	4.30	1.82	0.78	15.40	5.03	2.38	0.20
12.85	4.33	1.85	0.72	15.45	5.03	2.39	0.20
12.90	4.36	1.87	0.70	15.50	5.04	2.40	0.20
12.95	4.39	1.89	0.65	15.55	5.05	2.40	0.20

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.20	18.20	5.37	2.66	0.12
15.65	5.06	2.41	0.19	18.25	5.37	2.67	0.12
15.70	5.07	2.42	0.19	18.30	5.38	2.67	0.12
15.75	5.08	2.43	0.19	18.35	5.38	2.67	0.12
15.80	5.09	2.43	0.19	18.40	5.39	2.68	0.12
15.85	5.09	2.44	0.19	18.45	5.39	2.68	0.12
15.90	5.10	2.44	0.19	18.50	5.40	2.68	0.12
15.95	5.11	2.45	0.18	18.55	5.40	2.69	0.12
16.00	5.11	2.46	0.18	18.60	5.40	2.69	0.12
16.05	5.12	2.46	0.18	18.65	5.41	2.69	0.12
16.10	5.13	2.47	0.18	18.70	5.41	2.70	0.12
16.15	5.13	2.47	0.18	18.75	5.42	2.70	0.12
16.20	5.14	2.48	0.18	18.80	5.42	2.71	0.12
16.25	5.15	2.48	0.18	18.85	5.43	2.71	0.12
16.30	5.16	2.49	0.18	18.90	5.43	2.71	0.12
16.35	5.16	2.49	0.17	18.95	5.44	2.72	0.12
16.40	5.17	2.50	0.17	19.00	5.44	2.72	0.12
16.45	5.17	2.50	0.17	19.05	5.44	2.72	0.12
16.50	5.18	2.51	0.17	19.10	5.45	2.73	0.12
16.55	5.19	2.52	0.17	19.15	5.45	2.73	0.12
16.60	5.19	2.52	0.17	19.20	5.46	2.73	0.12
16.65	5.20	2.53	0.17	19.25	5.46	2.74	0.12
16.70	5.21	2.53	0.16	19.30	5.47	2.74	0.11
16.75	5.21	2.54	0.16	19.35	5.47	2.75	0.11
16.80	5.22	2.54	0.16	19.40	5.48	2.75	0.11
16.85	5.23	2.55	0.16	19.45	5.48	2.75	0.11
16.90	5.23	2.55	0.16	19.50	5.48	2.76	0.11
16.95	5.24	2.55	0.16	19.55	5.49	2.76	0.11
17.00	5.24	2.56	0.16	19.60	5.49	2.76	0.11
17.05	5.25	2.56	0.15	19.65	5.50	2.77	0.11
17.10	5.25	2.57	0.15	19.70	5.50	2.77	0.11
17.15	5.26	2.57	0.15	19.75	5.50	2.77	0.11
17.20	5.27	2.58	0.15	19.80	5.51	2.78	0.11
17.25	5.27	2.58	0.15	19.85	5.51	2.78	0.11
17.30	5.28	2.59	0.15	19.90	5.52	2.78	0.11
17.35	5.28	2.59	0.14	19.95	5.52	2.79	0.11
17.40	5.29	2.60	0.14	20.00	5.53	2.79	0.11
17.45	5.29	2.60	0.14	20.05	5.53	2.79	0.11
17.50	5.30	2.61	0.14	20.10	5.53	2.80	0.11
17.55	5.30	2.61	0.14	20.15	5.54	2.80	0.11
17.60	5.31	2.61	0.14	20.20	5.54	2.80	0.11
17.65	5.31	2.62	0.14	20.25	5.55	2.81	0.11
17.70	5.32	2.62	0.13	20.30	5.55	2.81	0.11
17.75	5.33	2.63	0.13	20.35	5.55	2.81	0.11
17.80	5.33	2.63	0.13	20.40	5.56	2.82	0.11
17.85	5.34	2.63	0.13	20.45	5.56	2.82	0.11
17.90	5.34	2.64	0.13	20.50	5.57	2.82	0.11
17.95	5.34	2.64	0.13	20.55	5.57	2.83	0.11
18.00	5.35	2.65	0.13	20.60	5.57	2.83	0.11
18.05	5.35	2.65	0.12	20.65	5.58	2.83	0.10
18.10	5.36	2.65	0.12	20.70	5.58	2.84	0.10
18.15	5.36	2.66	0.12	20.75	5.59	2.84	0.10

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.10	23.40	5.77	2.99	0.09
20.85	5.59	2.85	0.10	23.45	5.78	3.00	0.08
20.90	5.60	2.85	0.10	23.50	5.78	3.00	0.08
20.95	5.60	2.85	0.10	23.55	5.78	3.00	0.08
21.00	5.61	2.86	0.10	23.60	5.78	3.00	0.08
21.05	5.61	2.86	0.10	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.10	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.10	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.10	23.80	5.80	3.01	0.08
21.25	5.62	2.87	0.10	23.85	5.80	3.02	0.08
21.30	5.63	2.87	0.10	23.90	5.80	3.02	0.09
21.35	5.63	2.88	0.10	23.95	5.81	3.02	0.10
21.40	5.64	2.88	0.10	24.00	**5.81**	**3.03**	0.08
21.45	5.64	2.88	0.10	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.10	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.10	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.10	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.10	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.10	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.10	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.10	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.10	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.10	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.10	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.10	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.09	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.09	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.09	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.09	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.09	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.09	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.09	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.09	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.09	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.09	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.09	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.09	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.09	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.09	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.09	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.09	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.09	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.09	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.09	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.09	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.09	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.09	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.09	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.09	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.09	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.09	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.09	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 8P: PDA-8 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 9I: PDA-9 (impervious)

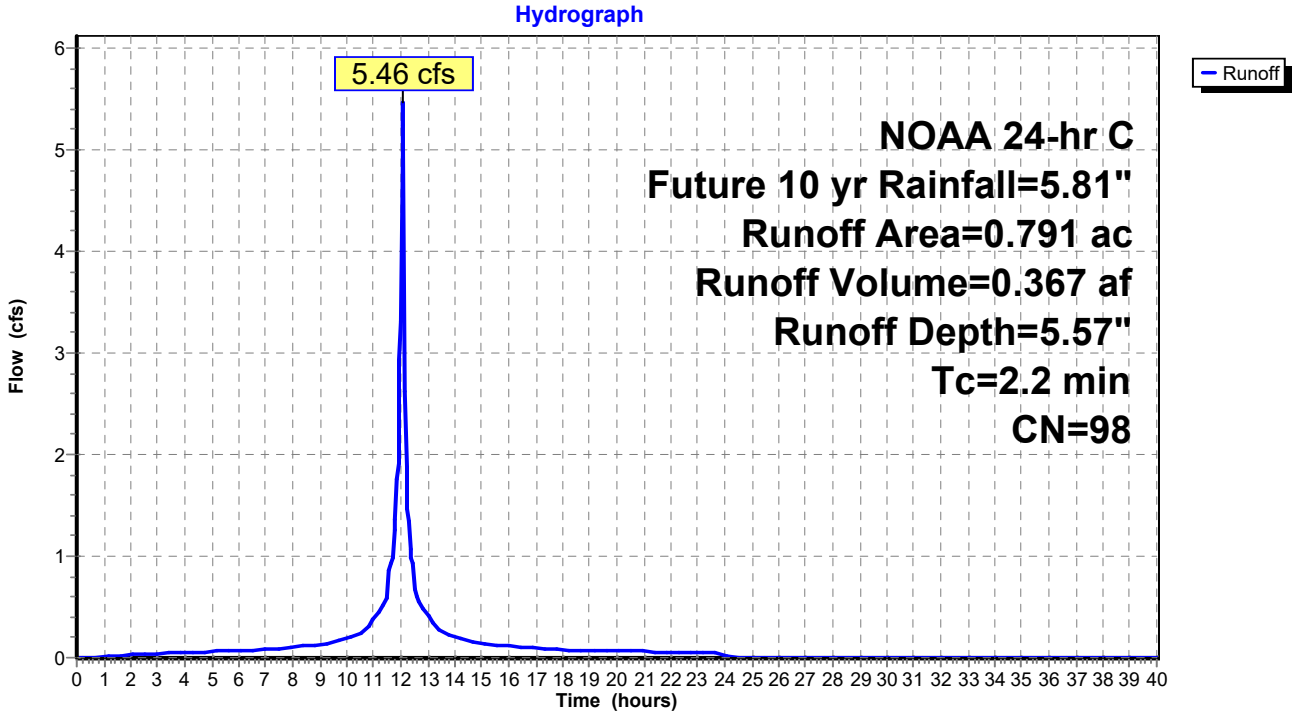
Runoff = 5.46 cfs @ 12.08 hrs, Volume= 0.367 af, Depth= 5.57"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.286	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.055	98	Concrete, HSG C
	0.791	98	Weighted Average
	0.791		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 9I: PDA-9 (impervious)



Hydrograph for Subcatchment 9I: PDA-9 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.10
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.10
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.10
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.10
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.11
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.11
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.11
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.11
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.11
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.11
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.11
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.11
5.80	0.44	0.27	0.07	8.40	0.75	0.55	0.11
5.85	0.45	0.27	0.07	8.45	0.76	0.56	0.11
5.90	0.45	0.27	0.07	8.50	0.77	0.57	0.12
5.95	0.46	0.28	0.07	8.55	0.78	0.58	0.12
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.12
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.12
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.12
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.12
6.20	0.48	0.30	0.07	8.80	0.82	0.61	0.12
6.25	0.48	0.30	0.07	8.85	0.82	0.62	0.12
6.30	0.49	0.31	0.07	8.90	0.83	0.63	0.12
6.35	0.50	0.31	0.07	8.95	0.84	0.64	0.12
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.13
6.45	0.51	0.32	0.08	9.05	0.86	0.65	0.13
6.50	0.51	0.33	0.08	9.10	0.87	0.66	0.13
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.14
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.14
6.65	0.53	0.34	0.08	9.25	0.89	0.69	0.14
6.70	0.53	0.35	0.08	9.30	0.90	0.70	0.15
6.75	0.54	0.35	0.08	9.35	0.91	0.71	0.15
6.80	0.54	0.36	0.08	9.40	0.92	0.72	0.15
6.85	0.55	0.36	0.08	9.45	0.93	0.73	0.16
6.90	0.56	0.37	0.08	9.50	0.94	0.74	0.16
6.95	0.56	0.37	0.09	9.55	0.95	0.75	0.16
7.00	0.57	0.38	0.09	9.60	0.96	0.76	0.17
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.17
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.17
7.15	0.58	0.40	0.09	9.75	1.00	0.79	0.18
7.20	0.59	0.40	0.09	9.80	1.01	0.80	0.18
7.25	0.60	0.41	0.09	9.85	1.02	0.81	0.19
7.30	0.60	0.41	0.09	9.90	1.03	0.82	0.19
7.35	0.61	0.42	0.09	9.95	1.05	0.84	0.19
7.40	0.62	0.42	0.09	10.00	1.06	0.85	0.19
7.45	0.62	0.43	0.10	10.05	1.07	0.86	0.20
7.50	0.63	0.44	0.10	10.10	1.09	0.87	0.20
7.55	0.64	0.44	0.10	10.15	1.10	0.89	0.21
7.60	0.64	0.45	0.10	10.20	1.11	0.90	0.21
7.65	0.65	0.45	0.10	10.25	1.13	0.91	0.21
7.70	0.65	0.46	0.10	10.30	1.14	0.93	0.21
7.75	0.66	0.47	0.10	10.35	1.15	0.94	0.22

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.22	13.00	4.42	4.18	0.41
10.45	1.18	0.97	0.23	13.05	4.44	4.20	0.38
10.50	1.20	0.98	0.23	13.10	4.46	4.23	0.37
10.55	1.21	1.00	0.25	13.15	4.48	4.25	0.35
10.60	1.23	1.02	0.26	13.20	4.50	4.27	0.34
10.65	1.25	1.03	0.28	13.25	4.52	4.29	0.32
10.70	1.27	1.05	0.28	13.30	4.54	4.31	0.31
10.75	1.29	1.07	0.30	13.35	4.56	4.33	0.29
10.80	1.31	1.09	0.31	13.40	4.58	4.34	0.29
10.85	1.33	1.11	0.33	13.45	4.60	4.36	0.27
10.90	1.35	1.13	0.34	13.50	4.61	4.38	0.26
10.95	1.37	1.15	0.36	13.55	4.63	4.39	0.24
11.00	1.39	1.18	0.36	13.60	4.64	4.41	0.23
11.05	1.42	1.20	0.40	13.65	4.66	4.42	0.23
11.10	1.45	1.23	0.41	13.70	4.67	4.43	0.23
11.15	1.48	1.26	0.45	13.75	4.68	4.45	0.22
11.20	1.51	1.29	0.46	13.80	4.70	4.46	0.22
11.25	1.54	1.32	0.50	13.85	4.71	4.48	0.21
11.30	1.57	1.35	0.51	13.90	4.72	4.49	0.21
11.35	1.61	1.38	0.55	13.95	4.74	4.50	0.21
11.40	1.64	1.42	0.56	14.00	4.75	4.51	0.21
11.45	1.68	1.46	0.59	14.05	4.76	4.53	0.20
11.50	1.72	1.49	0.61	14.10	4.78	4.54	0.20
11.55	1.78	1.55	0.86	14.15	4.79	4.55	0.19
11.60	1.83	1.61	0.93	14.20	4.80	4.56	0.19
11.65	1.90	1.67	0.97	14.25	4.81	4.57	0.19
11.70	1.96	1.73	0.99	14.30	4.82	4.59	0.18
11.75	2.04	1.82	1.26	14.35	4.83	4.60	0.18
11.80	2.13	1.90	1.36	14.40	4.85	4.61	0.18
11.85	2.25	2.02	1.75	14.45	4.86	4.62	0.17
11.90	2.36	2.13	1.92	14.50	4.87	4.63	0.17
11.95	2.57	2.34	2.93	14.55	4.88	4.64	0.17
12.00	2.77	2.54	3.30	14.60	4.89	4.65	0.16
12.05	3.11	2.88	4.92	14.65	4.90	4.66	0.16
12.10	3.45	3.21	**5.23**	14.70	4.91	4.67	0.16
12.15	3.56	3.33	2.62	14.75	4.92	4.68	0.15
12.20	3.68	3.45	1.87	14.80	4.93	4.69	0.15
12.25	3.77	3.53	1.46	14.85	4.94	4.70	0.15
12.30	3.85	3.62	1.34	14.90	4.94	4.71	0.14
12.35	3.91	3.68	1.06	14.95	4.95	4.72	0.14
12.40	3.98	3.74	0.98	15.00	4.96	4.72	0.14
12.45	4.03	3.80	0.95	15.05	4.97	4.73	0.13
12.50	4.09	3.86	0.92	15.10	4.98	4.74	0.13
12.55	4.13	3.90	0.67	15.15	4.99	4.75	0.13
12.60	4.17	3.93	0.60	15.20	4.99	4.76	0.13
12.65	4.20	3.97	0.57	15.25	5.00	4.76	0.13
12.70	4.24	4.00	0.56	15.30	5.01	4.77	0.13
12.75	4.27	4.04	0.53	15.35	5.02	4.78	0.12
12.80	4.30	4.07	0.51	15.40	5.03	4.79	0.12
12.85	4.33	4.10	0.48	15.45	5.03	4.80	0.12
12.90	4.36	4.13	0.46	15.50	5.04	4.80	0.12
12.95	4.39	4.15	0.43	15.55	5.05	4.81	0.12

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.12	18.20	5.37	5.13	0.07
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.07
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.12	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.12	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.12	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.12	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.11	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.11	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.11	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.11	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.11	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.11	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.11	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.10	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.10	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.10	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.10	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.10	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.09	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.09	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.09	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.09	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.07
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.07
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.07
17.55	5.30	5.07	0.08	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.08	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.08	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.07	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.07	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.07	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.06
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 9I: PDA-9 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 9P: PDA-9 (pervious)

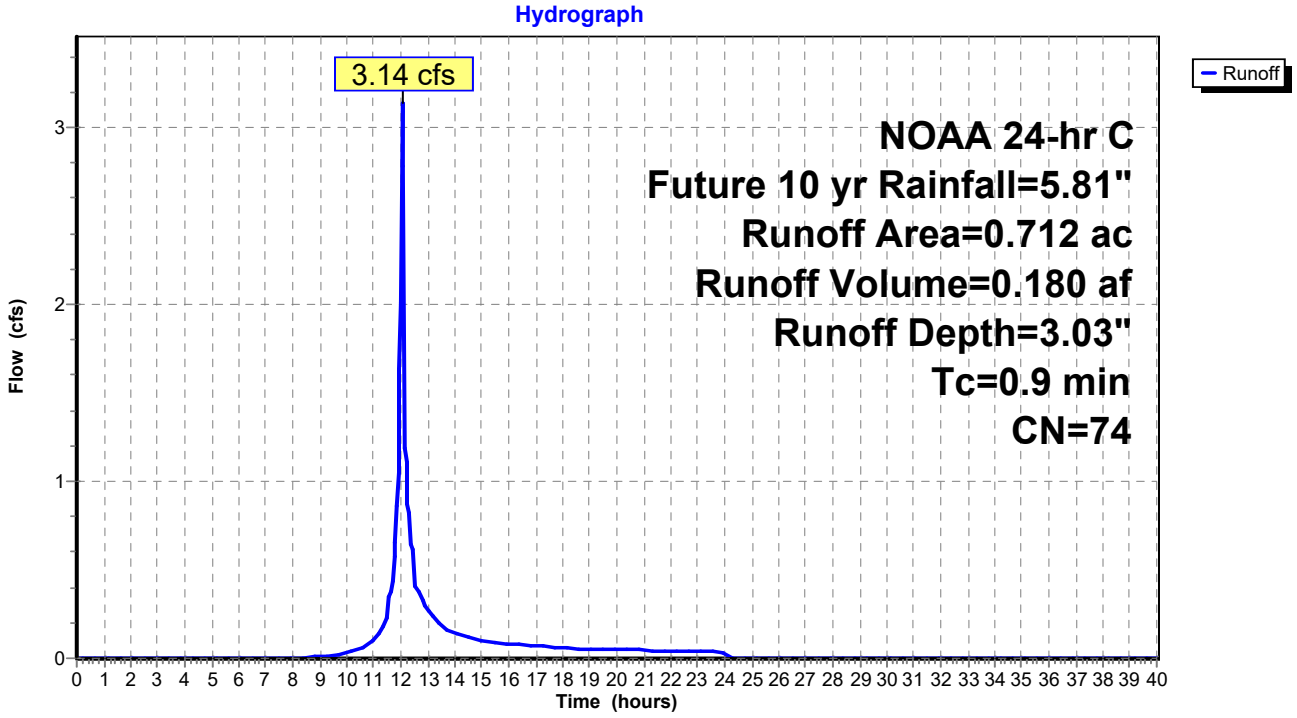
Runoff = 3.14 cfs @ 12.06 hrs, Volume= 0.180 af, Depth= 3.03"
Routed to Pond B-9 : Basin #9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.712	74	>75% Grass cover, Good, HSG C
0.712		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 9P: PDA-9 (pervious)



Hydrograph for Subcatchment 9P: PDA-9 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.04
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.05	13.00	4.42	1.91	0.28
10.45	1.18	0.06	0.05	13.05	4.44	1.93	0.25
10.50	1.20	0.06	0.05	13.10	4.46	1.94	0.25
10.55	1.21	0.06	0.06	13.15	4.48	1.96	0.24
10.60	1.23	0.07	0.06	13.20	4.50	1.98	0.23
10.65	1.25	0.07	0.06	13.25	4.52	1.99	0.22
10.70	1.27	0.08	0.07	13.30	4.54	2.01	0.21
10.75	1.29	0.08	0.07	13.35	4.56	2.02	0.20
10.80	1.31	0.09	0.08	13.40	4.58	2.03	0.20
10.85	1.33	0.09	0.08	13.45	4.60	2.05	0.18
10.90	1.35	0.10	0.09	13.50	4.61	2.06	0.18
10.95	1.37	0.11	0.10	13.55	4.63	2.07	0.16
11.00	1.39	0.11	0.10	13.60	4.64	2.08	0.16
11.05	1.42	0.12	0.12	13.65	4.66	2.09	0.16
11.10	1.45	0.13	0.12	13.70	4.67	2.10	0.16
11.15	1.48	0.14	0.14	13.75	4.68	2.12	0.15
11.20	1.51	0.15	0.14	13.80	4.70	2.13	0.15
11.25	1.54	0.16	0.16	13.85	4.71	2.14	0.15
11.30	1.57	0.17	0.17	13.90	4.72	2.15	0.15
11.35	1.61	0.18	0.19	13.95	4.74	2.16	0.15
11.40	1.64	0.20	0.19	14.00	4.75	2.17	0.14
11.45	1.68	0.21	0.21	14.05	4.76	2.18	0.14
11.50	1.72	0.23	0.24	14.10	4.78	2.19	0.14
11.55	1.78	0.25	0.34	14.15	4.79	2.20	0.14
11.60	1.83	0.28	0.36	14.20	4.80	2.21	0.14
11.65	1.90	0.30	0.39	14.25	4.81	2.21	0.13
11.70	1.96	0.33	0.44	14.30	4.82	2.22	0.13
11.75	2.04	0.37	0.57	14.35	4.83	2.23	0.13
11.80	2.13	0.41	0.65	14.40	4.85	2.24	0.13
11.85	2.25	0.47	0.86	14.45	4.86	2.25	0.12
11.90	2.36	0.53	1.05	14.50	4.87	2.26	0.12
11.95	2.57	0.65	1.64	14.55	4.88	2.27	0.12
12.00	2.77	0.77	2.01	14.60	4.89	2.27	0.12
12.05	3.11	0.98	**3.09**	14.65	4.90	2.28	0.11
12.10	3.45	1.20	2.78	14.70	4.91	2.29	0.11
12.15	3.56	1.28	1.19	14.75	4.92	2.30	0.11
12.20	3.68	1.37	1.11	14.80	4.93	2.31	0.11
12.25	3.77	1.43	0.87	14.85	4.94	2.31	0.10
12.30	3.85	1.49	0.82	14.90	4.94	2.32	0.10
12.35	3.91	1.53	0.65	14.95	4.95	2.33	0.10
12.40	3.98	1.58	0.64	15.00	4.96	2.33	0.10
12.45	4.03	1.62	0.62	15.05	4.97	2.34	0.09
12.50	4.09	1.67	0.57	15.10	4.98	2.35	0.09
12.55	4.13	1.69	0.41	15.15	4.99	2.35	0.09
12.60	4.17	1.72	0.40	15.20	4.99	2.36	0.09
12.65	4.20	1.75	0.38	15.25	5.00	2.37	0.09
12.70	4.24	1.77	0.38	15.30	5.01	2.37	0.09
12.75	4.27	1.80	0.35	15.35	5.02	2.38	0.09
12.80	4.30	1.82	0.34	15.40	5.03	2.38	0.09
12.85	4.33	1.85	0.32	15.45	5.03	2.39	0.09
12.90	4.36	1.87	0.31	15.50	5.04	2.40	0.09
12.95	4.39	1.89	0.29	15.55	5.05	2.40	0.09

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.09	18.20	5.37	2.66	0.05
15.65	5.06	2.41	0.09	18.25	5.37	2.67	0.05
15.70	5.07	2.42	0.09	18.30	5.38	2.67	0.05
15.75	5.08	2.43	0.08	18.35	5.38	2.67	0.05
15.80	5.09	2.43	0.08	18.40	5.39	2.68	0.05
15.85	5.09	2.44	0.08	18.45	5.39	2.68	0.05
15.90	5.10	2.44	0.08	18.50	5.40	2.68	0.05
15.95	5.11	2.45	0.08	18.55	5.40	2.69	0.05
16.00	5.11	2.46	0.08	18.60	5.40	2.69	0.05
16.05	5.12	2.46	0.08	18.65	5.41	2.69	0.05
16.10	5.13	2.47	0.08	18.70	5.41	2.70	0.05
16.15	5.13	2.47	0.08	18.75	5.42	2.70	0.05
16.20	5.14	2.48	0.08	18.80	5.42	2.71	0.05
16.25	5.15	2.48	0.08	18.85	5.43	2.71	0.05
16.30	5.16	2.49	0.08	18.90	5.43	2.71	0.05
16.35	5.16	2.49	0.08	18.95	5.44	2.72	0.05
16.40	5.17	2.50	0.08	19.00	5.44	2.72	0.05
16.45	5.17	2.50	0.08	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.08	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.07	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.07	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.07	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.07	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.07	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.07	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.07	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.07	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.07	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.07	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.07	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.07	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.07	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.06	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.06	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.06	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.06	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.06	20.05	5.53	2.79	0.05
17.50	5.30	2.61	0.06	20.10	5.53	2.80	0.05
17.55	5.30	2.61	0.06	20.15	5.54	2.80	0.05
17.60	5.31	2.61	0.06	20.20	5.54	2.80	0.05
17.65	5.31	2.62	0.06	20.25	5.55	2.81	0.05
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.05
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.05
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.05
17.85	5.34	2.63	0.06	20.45	5.56	2.82	0.05
17.90	5.34	2.64	0.06	20.50	5.57	2.82	0.05
17.95	5.34	2.64	0.06	20.55	5.57	2.83	0.05
18.00	5.35	2.65	0.06	20.60	5.57	2.83	0.05
18.05	5.35	2.65	0.05	20.65	5.58	2.83	0.05
18.10	5.36	2.65	0.05	20.70	5.58	2.84	0.05
18.15	5.36	2.66	0.05	20.75	5.59	2.84	0.05

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.05	23.40	5.77	2.99	0.04
20.85	5.59	2.85	0.05	23.45	5.78	3.00	0.04
20.90	5.60	2.85	0.05	23.50	5.78	3.00	0.04
20.95	5.60	2.85	0.05	23.55	5.78	3.00	0.04
21.00	5.61	2.86	0.05	23.60	5.78	3.00	0.04
21.05	5.61	2.86	0.05	23.65	5.79	3.01	0.04
21.10	5.61	2.86	0.05	23.70	5.79	3.01	0.04
21.15	5.62	2.87	0.04	23.75	5.79	3.01	0.04
21.20	5.62	2.87	0.04	23.80	5.80	3.01	0.04
21.25	5.62	2.87	0.04	23.85	5.80	3.02	0.04
21.30	5.63	2.87	0.04	23.90	5.80	3.02	0.04
21.35	5.63	2.88	0.04	23.95	5.81	3.02	0.04
21.40	5.64	2.88	0.04	24.00	**5.81**	**3.03**	0.03
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.04	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.04	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.04	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.04	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 9P: PDA-9 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 10l: PDA-10 (impervious)

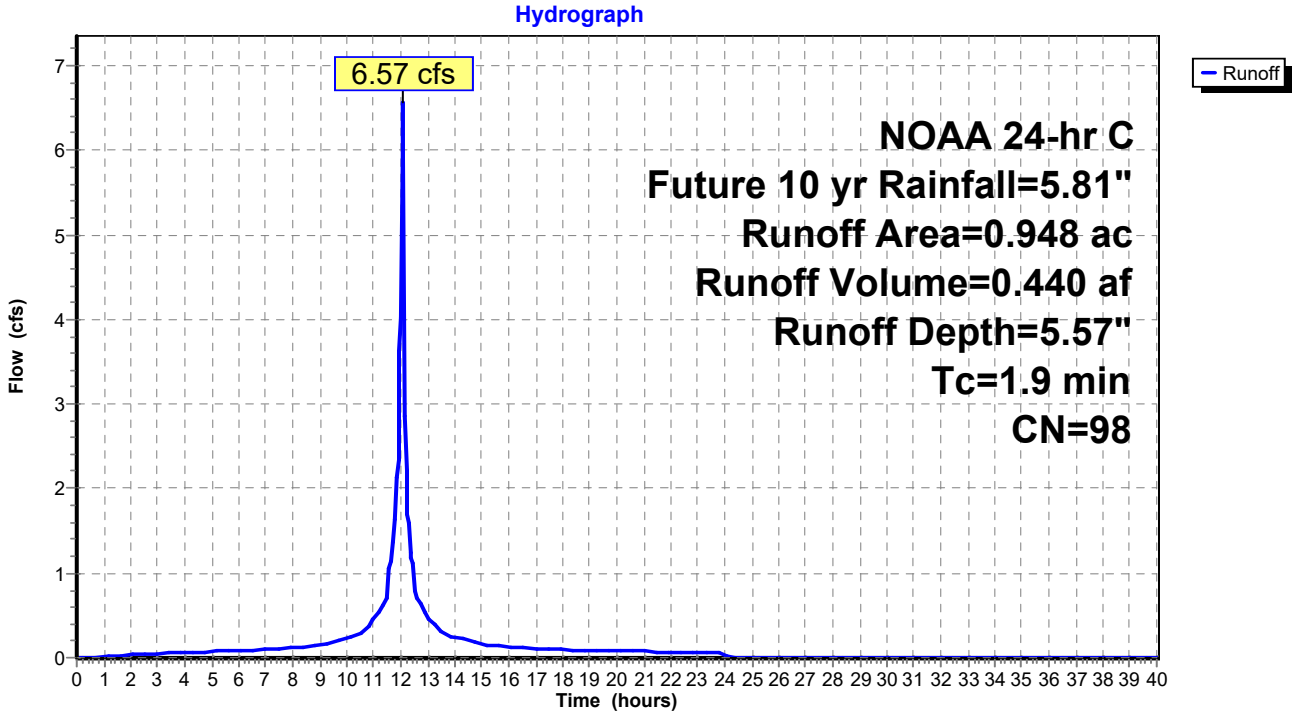
Runoff = 6.57 cfs @ 12.08 hrs, Volume= 0.440 af, Depth= 5.57"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.570	98	Pavement, HSG C
*	0.321	98	Roof, HSG C
*	0.057	98	Concrete, HSG C
	0.948	98	Weighted Average
	0.948		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9					**Direct Entry,**

Subcatchment 10l: PDA-10 (impervious)



Hydrograph for Subcatchment 10I: PDA-10 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.05
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.05
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.05
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.05
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.05
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.05
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.05
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.05
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.06
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.06
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.06
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.06
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.06
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.06
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.06
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.06
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.06
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.06
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.06
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.06
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.06
1.60	0.10	0.01	0.03	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.07
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.07
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.07
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.07
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.07
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.07
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.07
2.05	0.13	0.03	0.04	4.65	0.34	0.18	0.07
2.10	0.14	0.03	0.04	4.70	0.34	0.18	0.07
2.15	0.14	0.03	0.04	4.75	0.35	0.18	0.07
2.20	0.15	0.04	0.04	4.80	0.35	0.19	0.07
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.07
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.07
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.07
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.07
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.07
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.07
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.07

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.07	7.80	0.67	0.47	0.12
5.25	0.39	0.22	0.07	7.85	0.68	0.48	0.12
5.30	0.40	0.23	0.07	7.90	0.68	0.49	0.12
5.35	0.40	0.23	0.07	7.95	0.69	0.49	0.13
5.40	0.41	0.23	0.07	8.00	0.70	0.50	0.13
5.45	0.41	0.24	0.08	8.05	0.70	0.51	0.13
5.50	0.41	0.24	0.08	8.10	0.71	0.51	0.13
5.55	0.42	0.25	0.08	8.15	0.72	0.52	0.13
5.60	0.42	0.25	0.08	8.20	0.72	0.53	0.13
5.65	0.43	0.25	0.08	8.25	0.73	0.53	0.13
5.70	0.43	0.26	0.08	8.30	0.74	0.54	0.13
5.75	0.44	0.26	0.08	8.35	0.75	0.55	0.13
5.80	0.44	0.27	0.08	8.40	0.75	0.55	0.14
5.85	0.45	0.27	0.08	8.45	0.76	0.56	0.14
5.90	0.45	0.27	0.08	8.50	0.77	0.57	0.14
5.95	0.46	0.28	0.08	8.55	0.78	0.58	0.14
6.00	0.46	0.28	0.08	8.60	0.78	0.58	0.14
6.05	0.47	0.29	0.08	8.65	0.79	0.59	0.14
6.10	0.47	0.29	0.08	8.70	0.80	0.60	0.14
6.15	0.47	0.30	0.08	8.75	0.81	0.61	0.14
6.20	0.48	0.30	0.08	8.80	0.82	0.61	0.14
6.25	0.48	0.30	0.09	8.85	0.82	0.62	0.15
6.30	0.49	0.31	0.09	8.90	0.83	0.63	0.15
6.35	0.50	0.31	0.09	8.95	0.84	0.64	0.15
6.40	0.50	0.32	0.09	9.00	0.85	0.64	0.15
6.45	0.51	0.32	0.09	9.05	0.86	0.65	0.16
6.50	0.51	0.33	0.09	9.10	0.87	0.66	0.16
6.55	0.52	0.33	0.09	9.15	0.87	0.67	0.16
6.60	0.52	0.34	0.09	9.20	0.88	0.68	0.17
6.65	0.53	0.34	0.10	9.25	0.89	0.69	0.17
6.70	0.53	0.35	0.10	9.30	0.90	0.70	0.17
6.75	0.54	0.35	0.10	9.35	0.91	0.71	0.18
6.80	0.54	0.36	0.10	9.40	0.92	0.72	0.18
6.85	0.55	0.36	0.10	9.45	0.93	0.73	0.19
6.90	0.56	0.37	0.10	9.50	0.94	0.74	0.19
6.95	0.56	0.37	0.10	9.55	0.95	0.75	0.20
7.00	0.57	0.38	0.10	9.60	0.96	0.76	0.20
7.05	0.57	0.38	0.10	9.65	0.98	0.77	0.21
7.10	0.58	0.39	0.11	9.70	0.99	0.78	0.21
7.15	0.58	0.40	0.11	9.75	1.00	0.79	0.21
7.20	0.59	0.40	0.11	9.80	1.01	0.80	0.22
7.25	0.60	0.41	0.11	9.85	1.02	0.81	0.22
7.30	0.60	0.41	0.11	9.90	1.03	0.82	0.22
7.35	0.61	0.42	0.11	9.95	1.05	0.84	0.23
7.40	0.62	0.42	0.11	10.00	1.06	0.85	0.23
7.45	0.62	0.43	0.11	10.05	1.07	0.86	0.24
7.50	0.63	0.44	0.11	10.10	1.09	0.87	0.24
7.55	0.64	0.44	0.12	10.15	1.10	0.89	0.25
7.60	0.64	0.45	0.12	10.20	1.11	0.90	0.25
7.65	0.65	0.45	0.12	10.25	1.13	0.91	0.26
7.70	0.65	0.46	0.12	10.30	1.14	0.93	0.26
7.75	0.66	0.47	0.12	10.35	1.15	0.94	0.26

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.27	13.00	4.42	4.18	0.50
10.45	1.18	0.97	0.27	13.05	4.44	4.20	0.45
10.50	1.20	0.98	0.28	13.10	4.46	4.23	0.44
10.55	1.21	1.00	0.30	13.15	4.48	4.25	0.41
10.60	1.23	1.02	0.31	13.20	4.50	4.27	0.41
10.65	1.25	1.03	0.33	13.25	4.52	4.29	0.38
10.70	1.27	1.05	0.34	13.30	4.54	4.31	0.37
10.75	1.29	1.07	0.36	13.35	4.56	4.33	0.35
10.80	1.31	1.09	0.37	13.40	4.58	4.34	0.34
10.85	1.33	1.11	0.40	13.45	4.60	4.36	0.32
10.90	1.35	1.13	0.40	13.50	4.61	4.38	0.31
10.95	1.37	1.15	0.43	13.55	4.63	4.39	0.29
11.00	1.39	1.18	0.44	13.60	4.64	4.41	0.28
11.05	1.42	1.20	0.48	13.65	4.66	4.42	0.27
11.10	1.45	1.23	0.50	13.70	4.67	4.43	0.27
11.15	1.48	1.26	0.54	13.75	4.68	4.45	0.26
11.20	1.51	1.29	0.55	13.80	4.70	4.46	0.26
11.25	1.54	1.32	0.60	13.85	4.71	4.48	0.26
11.30	1.57	1.35	0.61	13.90	4.72	4.49	0.26
11.35	1.61	1.38	0.66	13.95	4.74	4.50	0.25
11.40	1.64	1.42	0.67	14.00	4.75	4.51	0.25
11.45	1.68	1.46	0.71	14.05	4.76	4.53	0.24
11.50	1.72	1.49	0.74	14.10	4.78	4.54	0.24
11.55	1.78	1.55	1.05	14.15	4.79	4.55	0.23
11.60	1.83	1.61	1.11	14.20	4.80	4.56	0.23
11.65	1.90	1.67	1.16	14.25	4.81	4.57	0.22
11.70	1.96	1.73	1.20	14.30	4.82	4.59	0.22
11.75	2.04	1.82	1.54	14.35	4.83	4.60	0.21
11.80	2.13	1.90	1.64	14.40	4.85	4.61	0.21
11.85	2.25	2.02	2.14	14.45	4.86	4.62	0.21
11.90	2.36	2.13	2.33	14.50	4.87	4.63	0.21
11.95	2.57	2.34	3.62	14.55	4.88	4.64	0.20
12.00	2.77	2.54	4.02	14.60	4.89	4.65	0.20
12.05	3.11	2.88	6.07	14.65	4.90	4.66	0.19
12.10	3.45	3.21	**6.19**	14.70	4.91	4.67	0.19
12.15	3.56	3.33	2.86	14.75	4.92	4.68	0.18
12.20	3.68	3.45	2.21	14.80	4.93	4.69	0.18
12.25	3.77	3.53	1.71	14.85	4.94	4.70	0.17
12.30	3.85	3.62	1.59	14.90	4.94	4.71	0.17
12.35	3.91	3.68	1.24	14.95	4.95	4.72	0.16
12.40	3.98	3.74	1.18	15.00	4.96	4.72	0.16
12.45	4.03	3.80	1.13	15.05	4.97	4.73	0.16
12.50	4.09	3.86	1.10	15.10	4.98	4.74	0.16
12.55	4.13	3.90	0.78	15.15	4.99	4.75	0.15
12.60	4.17	3.93	0.72	15.20	4.99	4.76	0.15
12.65	4.20	3.97	0.68	15.25	5.00	4.76	0.15
12.70	4.24	4.00	0.67	15.30	5.01	4.77	0.15
12.75	4.27	4.04	0.63	15.35	5.02	4.78	0.15
12.80	4.30	4.07	0.61	15.40	5.03	4.79	0.15
12.85	4.33	4.10	0.57	15.45	5.03	4.80	0.15
12.90	4.36	4.13	0.56	15.50	5.04	4.80	0.15
12.95	4.39	4.15	0.51	15.55	5.05	4.81	0.14

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.14	18.20	5.37	5.13	0.09
15.65	5.06	4.83	0.14	18.25	5.37	5.14	0.09
15.70	5.07	4.83	0.14	18.30	5.38	5.14	0.09
15.75	5.08	4.84	0.14	18.35	5.38	5.14	0.09
15.80	5.09	4.85	0.14	18.40	5.39	5.15	0.09
15.85	5.09	4.86	0.14	18.45	5.39	5.15	0.09
15.90	5.10	4.86	0.14	18.50	5.40	5.16	0.09
15.95	5.11	4.87	0.14	18.55	5.40	5.16	0.09
16.00	5.11	4.88	0.14	18.60	5.40	5.17	0.09
16.05	5.12	4.88	0.13	18.65	5.41	5.17	0.09
16.10	5.13	4.89	0.13	18.70	5.41	5.18	0.09
16.15	5.13	4.90	0.13	18.75	5.42	5.18	0.09
16.20	5.14	4.90	0.13	18.80	5.42	5.19	0.09
16.25	5.15	4.91	0.13	18.85	5.43	5.19	0.08
16.30	5.16	4.92	0.13	18.90	5.43	5.19	0.08
16.35	5.16	4.92	0.13	18.95	5.44	5.20	0.08
16.40	5.17	4.93	0.13	19.00	5.44	5.20	0.08
16.45	5.17	4.94	0.12	19.05	5.44	5.21	0.08
16.50	5.18	4.94	0.12	19.10	5.45	5.21	0.08
16.55	5.19	4.95	0.12	19.15	5.45	5.22	0.08
16.60	5.19	4.96	0.12	19.20	5.46	5.22	0.08
16.65	5.20	4.96	0.12	19.25	5.46	5.22	0.08
16.70	5.21	4.97	0.12	19.30	5.47	5.23	0.08
16.75	5.21	4.98	0.12	19.35	5.47	5.23	0.08
16.80	5.22	4.98	0.12	19.40	5.48	5.24	0.08
16.85	5.23	4.99	0.12	19.45	5.48	5.24	0.08
16.90	5.23	4.99	0.12	19.50	5.48	5.25	0.08
16.95	5.24	5.00	0.11	19.55	5.49	5.25	0.08
17.00	5.24	5.01	0.11	19.60	5.49	5.25	0.08
17.05	5.25	5.01	0.11	19.65	5.50	5.26	0.08
17.10	5.25	5.02	0.11	19.70	5.50	5.26	0.08
17.15	5.26	5.02	0.11	19.75	5.50	5.27	0.08
17.20	5.27	5.03	0.11	19.80	5.51	5.27	0.08
17.25	5.27	5.03	0.11	19.85	5.51	5.28	0.08
17.30	5.28	5.04	0.11	19.90	5.52	5.28	0.08
17.35	5.28	5.05	0.11	19.95	5.52	5.28	0.08
17.40	5.29	5.05	0.10	20.00	5.53	5.29	0.08
17.45	5.29	5.06	0.10	20.05	5.53	5.29	0.08
17.50	5.30	5.06	0.10	20.10	5.53	5.30	0.08
17.55	5.30	5.07	0.10	20.15	5.54	5.30	0.08
17.60	5.31	5.07	0.10	20.20	5.54	5.30	0.08
17.65	5.31	5.08	0.10	20.25	5.55	5.31	0.08
17.70	5.32	5.08	0.10	20.30	5.55	5.31	0.08
17.75	5.33	5.09	0.10	20.35	5.55	5.32	0.08
17.80	5.33	5.09	0.10	20.40	5.56	5.32	0.08
17.85	5.34	5.10	0.09	20.45	5.56	5.32	0.08
17.90	5.34	5.10	0.09	20.50	5.57	5.33	0.08
17.95	5.34	5.11	0.09	20.55	5.57	5.33	0.08
18.00	5.35	5.11	0.09	20.60	5.57	5.34	0.08
18.05	5.35	5.12	0.09	20.65	5.58	5.34	0.08
18.10	5.36	5.12	0.09	20.70	5.58	5.34	0.07
18.15	5.36	5.13	0.09	20.75	5.59	5.35	0.07

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.07	23.40	5.77	5.53	0.06
20.85	5.59	5.36	0.07	23.45	5.78	5.54	0.06
20.90	5.60	5.36	0.07	23.50	5.78	5.54	0.06
20.95	5.60	5.36	0.07	23.55	5.78	5.54	0.06
21.00	5.61	5.37	0.07	23.60	5.78	5.55	0.06
21.05	5.61	5.37	0.07	23.65	5.79	5.55	0.06
21.10	5.61	5.37	0.07	23.70	5.79	5.55	0.06
21.15	5.62	5.38	0.07	23.75	5.79	5.56	0.06
21.20	5.62	5.38	0.07	23.80	5.80	5.56	0.06
21.25	5.62	5.39	0.07	23.85	5.80	5.56	0.06
21.30	5.63	5.39	0.07	23.90	5.80	5.56	0.06
21.35	5.63	5.39	0.07	23.95	5.81	5.57	0.07
21.40	5.64	5.40	0.07	24.00	**5.81**	**5.57**	0.07
21.45	5.64	5.40	0.07	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.07	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.07	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.07	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.07	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.07	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.07	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.07	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.07	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.07	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.07	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.07	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.07	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.07	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.07	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.07	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.07	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.07	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.07	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.07	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.06	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.06	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.06	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.06	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.06	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.06	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.06	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.06	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 10I: PDA-10 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 10P: PDA-10 (pervious)

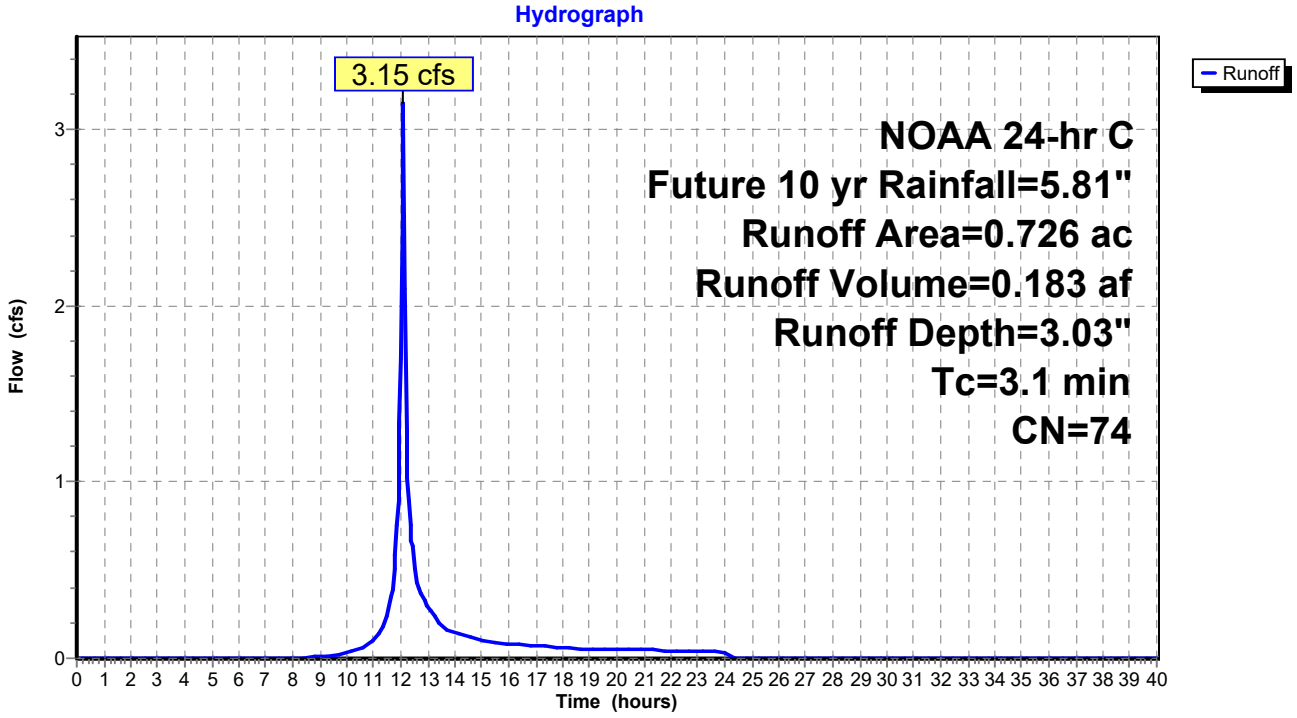
Runoff = 3.15 cfs @ 12.09 hrs, Volume= 0.183 af, Depth= 3.03"
Routed to Pond B-10 : Basin #10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.726	74	>75% Grass cover, Good, HSG C
0.726		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 10P: PDA-10 (pervious)



Hydrograph for Subcatchment 10P: PDA-10 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.04
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.29
10.45	1.18	0.06	0.05	13.05	4.44	1.93	0.27
10.50	1.20	0.06	0.05	13.10	4.46	1.94	0.26
10.55	1.21	0.06	0.05	13.15	4.48	1.96	0.25
10.60	1.23	0.07	0.06	13.20	4.50	1.98	0.24
10.65	1.25	0.07	0.06	13.25	4.52	1.99	0.23
10.70	1.27	0.08	0.07	13.30	4.54	2.01	0.22
10.75	1.29	0.08	0.07	13.35	4.56	2.02	0.21
10.80	1.31	0.09	0.08	13.40	4.58	2.03	0.20
10.85	1.33	0.09	0.08	13.45	4.60	2.05	0.19
10.90	1.35	0.10	0.09	13.50	4.61	2.06	0.19
10.95	1.37	0.11	0.09	13.55	4.63	2.07	0.18
11.00	1.39	0.11	0.10	13.60	4.64	2.08	0.17
11.05	1.42	0.12	0.11	13.65	4.66	2.09	0.16
11.10	1.45	0.13	0.12	13.70	4.67	2.10	0.16
11.15	1.48	0.14	0.13	13.75	4.68	2.12	0.16
11.20	1.51	0.15	0.14	13.80	4.70	2.13	0.16
11.25	1.54	0.16	0.15	13.85	4.71	2.14	0.16
11.30	1.57	0.17	0.16	13.90	4.72	2.15	0.15
11.35	1.61	0.18	0.18	13.95	4.74	2.16	0.15
11.40	1.64	0.20	0.19	14.00	4.75	2.17	0.15
11.45	1.68	0.21	0.20	14.05	4.76	2.18	0.15
11.50	1.72	0.23	0.22	14.10	4.78	2.19	0.14
11.55	1.78	0.25	0.29	14.15	4.79	2.20	0.14
11.60	1.83	0.28	0.35	14.20	4.80	2.21	0.14
11.65	1.90	0.30	0.38	14.25	4.81	2.21	0.14
11.70	1.96	0.33	0.40	14.30	4.82	2.22	0.13
11.75	2.04	0.37	0.50	14.35	4.83	2.23	0.13
11.80	2.13	0.41	0.59	14.40	4.85	2.24	0.13
11.85	2.25	0.47	0.75	14.45	4.86	2.25	0.13
11.90	2.36	0.53	0.89	14.50	4.87	2.26	0.12
11.95	2.57	0.65	1.33	14.55	4.88	2.27	0.12
12.00	2.77	0.77	1.70	14.60	4.89	2.27	0.12
12.05	3.11	0.98	2.52	14.65	4.90	2.28	0.12
12.10	3.45	1.20	**3.14**	14.70	4.91	2.29	0.11
12.15	3.56	1.28	2.09	14.75	4.92	2.30	0.11
12.20	3.68	1.37	1.29	14.80	4.93	2.31	0.11
12.25	3.77	1.43	1.03	14.85	4.94	2.31	0.11
12.30	3.85	1.49	0.90	14.90	4.94	2.32	0.10
12.35	3.91	1.53	0.76	14.95	4.95	2.33	0.10
12.40	3.98	1.58	0.67	15.00	4.96	2.33	0.10
12.45	4.03	1.62	0.64	15.05	4.97	2.34	0.10
12.50	4.09	1.67	0.63	15.10	4.98	2.35	0.10
12.55	4.13	1.69	0.51	15.15	4.99	2.35	0.09
12.60	4.17	1.72	0.42	15.20	4.99	2.36	0.09
12.65	4.20	1.75	0.40	15.25	5.00	2.37	0.09
12.70	4.24	1.77	0.39	15.30	5.01	2.37	0.09
12.75	4.27	1.80	0.37	15.35	5.02	2.38	0.09
12.80	4.30	1.82	0.36	15.40	5.03	2.38	0.09
12.85	4.33	1.85	0.34	15.45	5.03	2.39	0.09
12.90	4.36	1.87	0.33	15.50	5.04	2.40	0.09
12.95	4.39	1.89	0.31	15.55	5.05	2.40	0.09

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.09	18.20	5.37	2.66	0.06
15.65	5.06	2.41	0.09	18.25	5.37	2.67	0.06
15.70	5.07	2.42	0.09	18.30	5.38	2.67	0.06
15.75	5.08	2.43	0.09	18.35	5.38	2.67	0.05
15.80	5.09	2.43	0.09	18.40	5.39	2.68	0.05
15.85	5.09	2.44	0.09	18.45	5.39	2.68	0.05
15.90	5.10	2.44	0.08	18.50	5.40	2.68	0.05
15.95	5.11	2.45	0.08	18.55	5.40	2.69	0.05
16.00	5.11	2.46	0.08	18.60	5.40	2.69	0.05
16.05	5.12	2.46	0.08	18.65	5.41	2.69	0.05
16.10	5.13	2.47	0.08	18.70	5.41	2.70	0.05
16.15	5.13	2.47	0.08	18.75	5.42	2.70	0.05
16.20	5.14	2.48	0.08	18.80	5.42	2.71	0.05
16.25	5.15	2.48	0.08	18.85	5.43	2.71	0.05
16.30	5.16	2.49	0.08	18.90	5.43	2.71	0.05
16.35	5.16	2.49	0.08	18.95	5.44	2.72	0.05
16.40	5.17	2.50	0.08	19.00	5.44	2.72	0.05
16.45	5.17	2.50	0.08	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.08	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.08	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.08	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.08	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.07	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.07	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.07	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.07	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.07	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.07	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.07	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.07	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.07	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.07	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.07	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.07	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.07	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.07	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.06	20.05	5.53	2.79	0.05
17.50	5.30	2.61	0.06	20.10	5.53	2.80	0.05
17.55	5.30	2.61	0.06	20.15	5.54	2.80	0.05
17.60	5.31	2.61	0.06	20.20	5.54	2.80	0.05
17.65	5.31	2.62	0.06	20.25	5.55	2.81	0.05
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.05
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.05
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.05
17.85	5.34	2.63	0.06	20.45	5.56	2.82	0.05
17.90	5.34	2.64	0.06	20.50	5.57	2.82	0.05
17.95	5.34	2.64	0.06	20.55	5.57	2.83	0.05
18.00	5.35	2.65	0.06	20.60	5.57	2.83	0.05
18.05	5.35	2.65	0.06	20.65	5.58	2.83	0.05
18.10	5.36	2.65	0.06	20.70	5.58	2.84	0.05
18.15	5.36	2.66	0.06	20.75	5.59	2.84	0.05

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.05	23.40	5.77	2.99	0.04
20.85	5.59	2.85	0.05	23.45	5.78	3.00	0.04
20.90	5.60	2.85	0.05	23.50	5.78	3.00	0.04
20.95	5.60	2.85	0.05	23.55	5.78	3.00	0.04
21.00	5.61	2.86	0.05	23.60	5.78	3.00	0.04
21.05	5.61	2.86	0.05	23.65	5.79	3.01	0.04
21.10	5.61	2.86	0.05	23.70	5.79	3.01	0.04
21.15	5.62	2.87	0.05	23.75	5.79	3.01	0.04
21.20	5.62	2.87	0.05	23.80	5.80	3.01	0.04
21.25	5.62	2.87	0.05	23.85	5.80	3.02	0.04
21.30	5.63	2.87	0.05	23.90	5.80	3.02	0.04
21.35	5.63	2.88	0.05	23.95	5.81	3.02	0.04
21.40	5.64	2.88	0.05	24.00	**5.81**	**3.03**	0.04
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.04	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.04	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.04	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.04	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 10P: PDA-10 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 11I: PDA-11 (impervious)

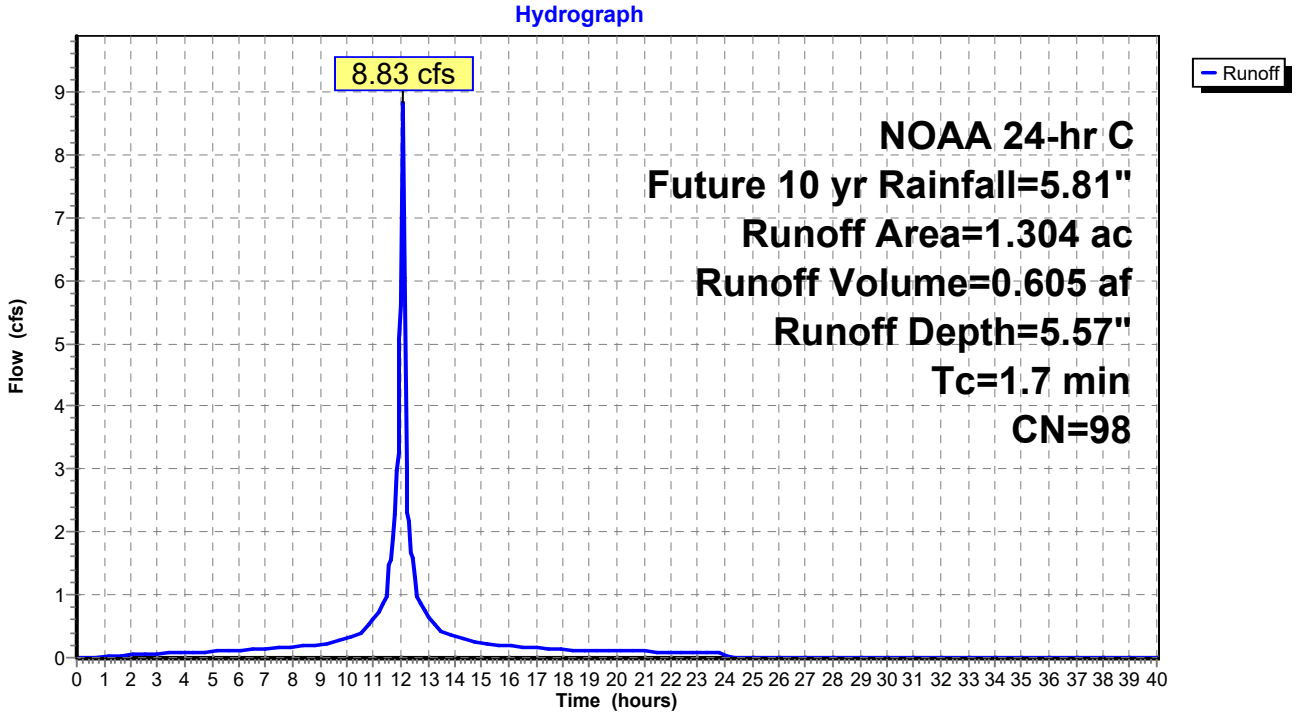
Runoff = 8.83 cfs @ 12.07 hrs, Volume= 0.605 af, Depth= 5.57"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.166	98	Concrete, HSG C
	0.231	98	Roofs, HSG C
	0.907	98	Paved roads w/curbs & sewers, HSG C
	1.304	98	Weighted Average
	1.304		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7					**Direct Entry,**

Subcatchment 11I: PDA-11 (impervious)



Hydrograph for Subcatchment 11I: PDA-11 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.06
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.06
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.06
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.06
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.07
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.07
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.07
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.07
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.07
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.07
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.07
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.07
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.07
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.07
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.07
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.08
0.80	0.05	0.00	0.01	3.40	0.24	0.10	0.08
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.08
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.08
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.08
1.00	0.06	0.00	0.02	3.60	0.25	0.11	0.08
1.05	0.07	0.00	0.02	3.65	0.26	0.11	0.08
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.08
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.08
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.08
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.08
1.30	0.08	0.01	0.03	3.90	0.28	0.13	0.08
1.35	0.09	0.01	0.03	3.95	0.28	0.13	0.08
1.40	0.09	0.01	0.03	4.00	0.28	0.13	0.09
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.09
1.50	0.10	0.01	0.03	4.10	0.29	0.14	0.09
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.09
1.60	0.10	0.01	0.04	4.20	0.30	0.15	0.09
1.65	0.11	0.02	0.04	4.25	0.31	0.15	0.09
1.70	0.11	0.02	0.04	4.30	0.31	0.15	0.09
1.75	0.11	0.02	0.04	4.35	0.31	0.16	0.09
1.80	0.12	0.02	0.04	4.40	0.32	0.16	0.09
1.85	0.12	0.02	0.04	4.45	0.32	0.16	0.09
1.90	0.12	0.02	0.05	4.50	0.33	0.17	0.09
1.95	0.13	0.03	0.05	4.55	0.33	0.17	0.09
2.00	0.13	0.03	0.05	4.60	0.33	0.17	0.09
2.05	0.13	0.03	0.05	4.65	0.34	0.18	0.09
2.10	0.14	0.03	0.05	4.70	0.34	0.18	0.09
2.15	0.14	0.03	0.05	4.75	0.35	0.18	0.10
2.20	0.15	0.04	0.05	4.80	0.35	0.19	0.10
2.25	0.15	0.04	0.05	4.85	0.36	0.19	0.10
2.30	0.15	0.04	0.06	4.90	0.36	0.20	0.10
2.35	0.16	0.04	0.06	4.95	0.37	0.20	0.10
2.40	0.16	0.04	0.06	5.00	0.37	0.20	0.10
2.45	0.16	0.05	0.06	5.05	0.37	0.21	0.10
2.50	0.17	0.05	0.06	5.10	0.38	0.21	0.10
2.55	0.17	0.05	0.06	5.15	0.38	0.21	0.10

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.10	7.80	0.67	0.47	0.17
5.25	0.39	0.22	0.10	7.85	0.68	0.48	0.17
5.30	0.40	0.23	0.10	7.90	0.68	0.49	0.17
5.35	0.40	0.23	0.10	7.95	0.69	0.49	0.17
5.40	0.41	0.23	0.10	8.00	0.70	0.50	0.17
5.45	0.41	0.24	0.10	8.05	0.70	0.51	0.18
5.50	0.41	0.24	0.10	8.10	0.71	0.51	0.18
5.55	0.42	0.25	0.11	8.15	0.72	0.52	0.18
5.60	0.42	0.25	0.11	8.20	0.72	0.53	0.18
5.65	0.43	0.25	0.11	8.25	0.73	0.53	0.18
5.70	0.43	0.26	0.11	8.30	0.74	0.54	0.18
5.75	0.44	0.26	0.11	8.35	0.75	0.55	0.19
5.80	0.44	0.27	0.11	8.40	0.75	0.55	0.19
5.85	0.45	0.27	0.11	8.45	0.76	0.56	0.19
5.90	0.45	0.27	0.11	8.50	0.77	0.57	0.19
5.95	0.46	0.28	0.11	8.55	0.78	0.58	0.19
6.00	0.46	0.28	0.11	8.60	0.78	0.58	0.19
6.05	0.47	0.29	0.11	8.65	0.79	0.59	0.20
6.10	0.47	0.29	0.11	8.70	0.80	0.60	0.20
6.15	0.47	0.30	0.12	8.75	0.81	0.61	0.20
6.20	0.48	0.30	0.12	8.80	0.82	0.61	0.20
6.25	0.48	0.30	0.12	8.85	0.82	0.62	0.20
6.30	0.49	0.31	0.12	8.90	0.83	0.63	0.20
6.35	0.50	0.31	0.12	8.95	0.84	0.64	0.21
6.40	0.50	0.32	0.12	9.00	0.85	0.64	0.21
6.45	0.51	0.32	0.12	9.05	0.86	0.65	0.22
6.50	0.51	0.33	0.13	9.10	0.87	0.66	0.22
6.55	0.52	0.33	0.13	9.15	0.87	0.67	0.23
6.60	0.52	0.34	0.13	9.20	0.88	0.68	0.23
6.65	0.53	0.34	0.13	9.25	0.89	0.69	0.24
6.70	0.53	0.35	0.13	9.30	0.90	0.70	0.24
6.75	0.54	0.35	0.13	9.35	0.91	0.71	0.25
6.80	0.54	0.36	0.13	9.40	0.92	0.72	0.25
6.85	0.55	0.36	0.14	9.45	0.93	0.73	0.26
6.90	0.56	0.37	0.14	9.50	0.94	0.74	0.26
6.95	0.56	0.37	0.14	9.55	0.95	0.75	0.27
7.00	0.57	0.38	0.14	9.60	0.96	0.76	0.27
7.05	0.57	0.38	0.14	9.65	0.98	0.77	0.28
7.10	0.58	0.39	0.14	9.70	0.99	0.78	0.29
7.15	0.58	0.40	0.15	9.75	1.00	0.79	0.29
7.20	0.59	0.40	0.15	9.80	1.01	0.80	0.30
7.25	0.60	0.41	0.15	9.85	1.02	0.81	0.31
7.30	0.60	0.41	0.15	9.90	1.03	0.82	0.31
7.35	0.61	0.42	0.15	9.95	1.05	0.84	0.32
7.40	0.62	0.42	0.15	10.00	1.06	0.85	0.32
7.45	0.62	0.43	0.16	10.05	1.07	0.86	0.33
7.50	0.63	0.44	0.16	10.10	1.09	0.87	0.33
7.55	0.64	0.44	0.16	10.15	1.10	0.89	0.34
7.60	0.64	0.45	0.16	10.20	1.11	0.90	0.34
7.65	0.65	0.45	0.16	10.25	1.13	0.91	0.35
7.70	0.65	0.46	0.16	10.30	1.14	0.93	0.35
7.75	0.66	0.47	0.17	10.35	1.15	0.94	0.36

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.37	13.00	4.42	4.18	0.68
10.45	1.18	0.97	0.38	13.05	4.44	4.20	0.61
10.50	1.20	0.98	0.38	13.10	4.46	4.23	0.60
10.55	1.21	1.00	0.42	13.15	4.48	4.25	0.57
10.60	1.23	1.02	0.42	13.20	4.50	4.27	0.56
10.65	1.25	1.03	0.46	13.25	4.52	4.29	0.52
10.70	1.27	1.05	0.47	13.30	4.54	4.31	0.51
10.75	1.29	1.07	0.50	13.35	4.56	4.33	0.48
10.80	1.31	1.09	0.51	13.40	4.58	4.34	0.47
10.85	1.33	1.11	0.55	13.45	4.60	4.36	0.43
10.90	1.35	1.13	0.55	13.50	4.61	4.38	0.43
10.95	1.37	1.15	0.59	13.55	4.63	4.39	0.39
11.00	1.39	1.18	0.60	13.60	4.64	4.41	0.38
11.05	1.42	1.20	0.67	13.65	4.66	4.42	0.37
11.10	1.45	1.23	0.68	13.70	4.67	4.43	0.37
11.15	1.48	1.26	0.75	13.75	4.68	4.45	0.36
11.20	1.51	1.29	0.76	13.80	4.70	4.46	0.36
11.25	1.54	1.32	0.83	13.85	4.71	4.48	0.35
11.30	1.57	1.35	0.85	13.90	4.72	4.49	0.35
11.35	1.61	1.38	0.91	13.95	4.74	4.50	0.34
11.40	1.64	1.42	0.93	14.00	4.75	4.51	0.34
11.45	1.68	1.46	0.98	14.05	4.76	4.53	0.33
11.50	1.72	1.49	1.03	14.10	4.78	4.54	0.33
11.55	1.78	1.55	1.47	14.15	4.79	4.55	0.32
11.60	1.83	1.61	1.53	14.20	4.80	4.56	0.32
11.65	1.90	1.67	1.60	14.25	4.81	4.57	0.31
11.70	1.96	1.73	1.66	14.30	4.82	4.59	0.30
11.75	2.04	1.82	2.15	14.35	4.83	4.60	0.29
11.80	2.13	1.90	2.28	14.40	4.85	4.61	0.29
11.85	2.25	2.02	2.98	14.45	4.86	4.62	0.28
11.90	2.36	2.13	3.25	14.50	4.87	4.63	0.28
11.95	2.57	2.34	5.07	14.55	4.88	4.64	0.27
12.00	2.77	2.54	5.60	14.60	4.89	4.65	0.27
12.05	3.11	2.88	**8.50**	14.65	4.90	4.66	0.26
12.10	3.45	3.21	8.42	14.70	4.91	4.67	0.26
12.15	3.56	3.33	3.69	14.75	4.92	4.68	0.25
12.20	3.68	3.45	3.02	14.80	4.93	4.69	0.25
12.25	3.77	3.53	2.31	14.85	4.94	4.70	0.24
12.30	3.85	3.62	2.18	14.90	4.94	4.71	0.24
12.35	3.91	3.68	1.68	14.95	4.95	4.72	0.23
12.40	3.98	3.74	1.62	15.00	4.96	4.72	0.22
12.45	4.03	3.80	1.55	15.05	4.97	4.73	0.22
12.50	4.09	3.86	1.50	15.10	4.98	4.74	0.21
12.55	4.13	3.90	1.05	15.15	4.99	4.75	0.21
12.60	4.17	3.93	0.99	15.20	4.99	4.76	0.21
12.65	4.20	3.97	0.94	15.25	5.00	4.76	0.21
12.70	4.24	4.00	0.93	15.30	5.01	4.77	0.21
12.75	4.27	4.04	0.86	15.35	5.02	4.78	0.21
12.80	4.30	4.07	0.84	15.40	5.03	4.79	0.20
12.85	4.33	4.10	0.78	15.45	5.03	4.80	0.20
12.90	4.36	4.13	0.76	15.50	5.04	4.80	0.20
12.95	4.39	4.15	0.69	15.55	5.05	4.81	0.20

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.20	18.20	5.37	5.13	0.12
15.65	5.06	4.83	0.20	18.25	5.37	5.14	0.12
15.70	5.07	4.83	0.20	18.30	5.38	5.14	0.12
15.75	5.08	4.84	0.19	18.35	5.38	5.14	0.12
15.80	5.09	4.85	0.19	18.40	5.39	5.15	0.12
15.85	5.09	4.86	0.19	18.45	5.39	5.15	0.12
15.90	5.10	4.86	0.19	18.50	5.40	5.16	0.12
15.95	5.11	4.87	0.19	18.55	5.40	5.16	0.12
16.00	5.11	4.88	0.19	18.60	5.40	5.17	0.12
16.05	5.12	4.88	0.18	18.65	5.41	5.17	0.12
16.10	5.13	4.89	0.18	18.70	5.41	5.18	0.12
16.15	5.13	4.90	0.18	18.75	5.42	5.18	0.12
16.20	5.14	4.90	0.18	18.80	5.42	5.19	0.12
16.25	5.15	4.91	0.18	18.85	5.43	5.19	0.12
16.30	5.16	4.92	0.18	18.90	5.43	5.19	0.12
16.35	5.16	4.92	0.17	18.95	5.44	5.20	0.12
16.40	5.17	4.93	0.17	19.00	5.44	5.20	0.12
16.45	5.17	4.94	0.17	19.05	5.44	5.21	0.12
16.50	5.18	4.94	0.17	19.10	5.45	5.21	0.12
16.55	5.19	4.95	0.17	19.15	5.45	5.22	0.11
16.60	5.19	4.96	0.17	19.20	5.46	5.22	0.11
16.65	5.20	4.96	0.17	19.25	5.46	5.22	0.11
16.70	5.21	4.97	0.17	19.30	5.47	5.23	0.11
16.75	5.21	4.98	0.16	19.35	5.47	5.23	0.11
16.80	5.22	4.98	0.16	19.40	5.48	5.24	0.11
16.85	5.23	4.99	0.16	19.45	5.48	5.24	0.11
16.90	5.23	4.99	0.16	19.50	5.48	5.25	0.11
16.95	5.24	5.00	0.16	19.55	5.49	5.25	0.11
17.00	5.24	5.01	0.16	19.60	5.49	5.25	0.11
17.05	5.25	5.01	0.15	19.65	5.50	5.26	0.11
17.10	5.25	5.02	0.15	19.70	5.50	5.26	0.11
17.15	5.26	5.02	0.15	19.75	5.50	5.27	0.11
17.20	5.27	5.03	0.15	19.80	5.51	5.27	0.11
17.25	5.27	5.03	0.15	19.85	5.51	5.28	0.11
17.30	5.28	5.04	0.15	19.90	5.52	5.28	0.11
17.35	5.28	5.05	0.14	19.95	5.52	5.28	0.11
17.40	5.29	5.05	0.14	20.00	5.53	5.29	0.11
17.45	5.29	5.06	0.14	20.05	5.53	5.29	0.11
17.50	5.30	5.06	0.14	20.10	5.53	5.30	0.11
17.55	5.30	5.07	0.14	20.15	5.54	5.30	0.11
17.60	5.31	5.07	0.14	20.20	5.54	5.30	0.11
17.65	5.31	5.08	0.14	20.25	5.55	5.31	0.11
17.70	5.32	5.08	0.13	20.30	5.55	5.31	0.11
17.75	5.33	5.09	0.13	20.35	5.55	5.32	0.11
17.80	5.33	5.09	0.13	20.40	5.56	5.32	0.11
17.85	5.34	5.10	0.13	20.45	5.56	5.32	0.10
17.90	5.34	5.10	0.13	20.50	5.57	5.33	0.10
17.95	5.34	5.11	0.13	20.55	5.57	5.33	0.10
18.00	5.35	5.11	0.13	20.60	5.57	5.34	0.10
18.05	5.35	5.12	0.12	20.65	5.58	5.34	0.10
18.10	5.36	5.12	0.12	20.70	5.58	5.34	0.10
18.15	5.36	5.13	0.12	20.75	5.59	5.35	0.10

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.10	23.40	5.77	5.53	0.08
20.85	5.59	5.36	0.10	23.45	5.78	5.54	0.08
20.90	5.60	5.36	0.10	23.50	5.78	5.54	0.08
20.95	5.60	5.36	0.10	23.55	5.78	5.54	0.08
21.00	5.61	5.37	0.10	23.60	5.78	5.55	0.08
21.05	5.61	5.37	0.10	23.65	5.79	5.55	0.08
21.10	5.61	5.37	0.10	23.70	5.79	5.55	0.08
21.15	5.62	5.38	0.10	23.75	5.79	5.56	0.08
21.20	5.62	5.38	0.10	23.80	5.80	5.56	0.08
21.25	5.62	5.39	0.10	23.85	5.80	5.56	0.08
21.30	5.63	5.39	0.10	23.90	5.80	5.56	0.08
21.35	5.63	5.39	0.10	23.95	5.81	5.57	0.10
21.40	5.64	5.40	0.10	24.00	**5.81**	**5.57**	0.09
21.45	5.64	5.40	0.10	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.10	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.10	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.10	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.10	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.10	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.10	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.10	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.09	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.09	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.09	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.09	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.09	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.09	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.09	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.09	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.09	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.09	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.09	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.09	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.09	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.09	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.09	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.09	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.09	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.09	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.09	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.09	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.09	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.09	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.09	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.09	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.08	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.08	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.08	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.08	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.08	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.08	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.08	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 11I: PDA-11 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 11P: PDA-11 (pervious)

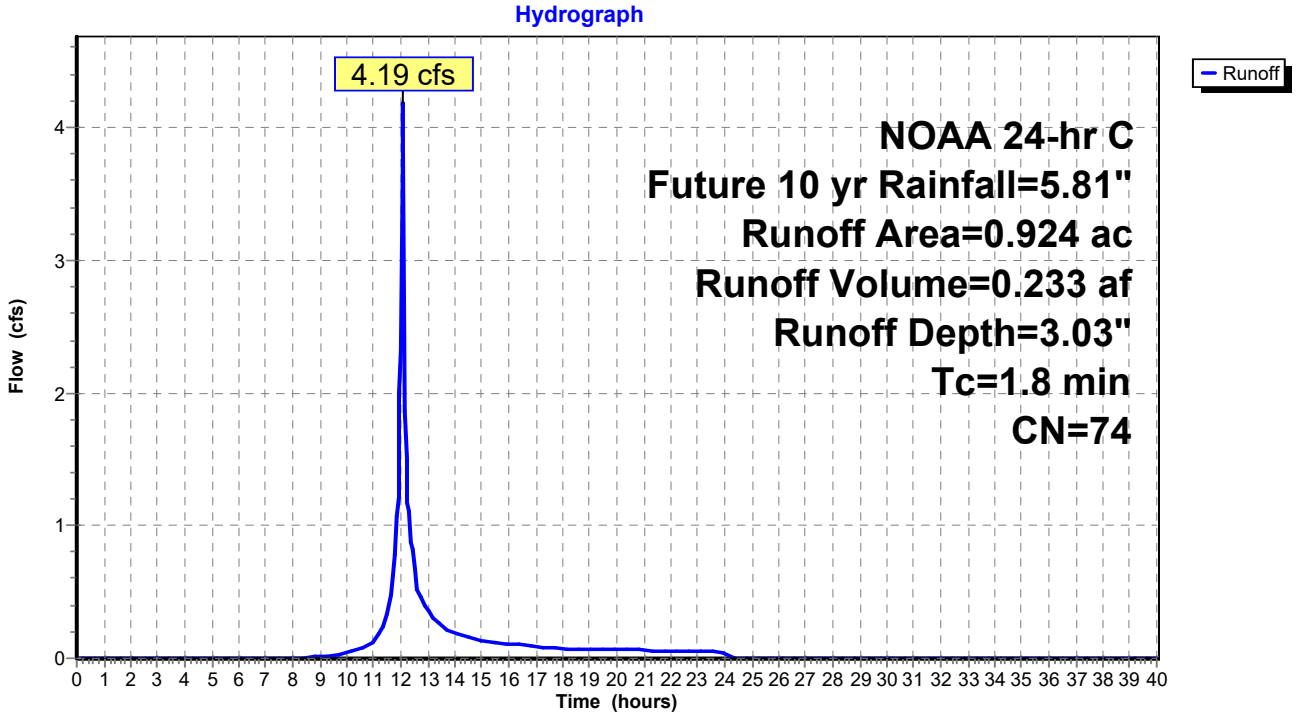
Runoff = 4.19 cfs @ 12.08 hrs, Volume= 0.233 af, Depth= 3.03"
Routed to Pond B-11 : Basin #11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.924	74	>75% Grass cover, Good, HSG C
0.924		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 11P: PDA-11 (pervious)



Hydrograph for Subcatchment 11P: PDA-11 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.37
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.33
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.33
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.31
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.30
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.29
10.70	1.27	0.08	0.09	13.30	4.54	2.01	0.28
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.26
10.80	1.31	0.09	0.10	13.40	4.58	2.03	0.26
10.85	1.33	0.09	0.11	13.45	4.60	2.05	0.24
10.90	1.35	0.10	0.11	13.50	4.61	2.06	0.23
10.95	1.37	0.11	0.12	13.55	4.63	2.07	0.22
11.00	1.39	0.11	0.13	13.60	4.64	2.08	0.21
11.05	1.42	0.12	0.15	13.65	4.66	2.09	0.21
11.10	1.45	0.13	0.15	13.70	4.67	2.10	0.21
11.15	1.48	0.14	0.17	13.75	4.68	2.12	0.20
11.20	1.51	0.15	0.18	13.80	4.70	2.13	0.20
11.25	1.54	0.16	0.20	13.85	4.71	2.14	0.20
11.30	1.57	0.17	0.21	13.90	4.72	2.15	0.19
11.35	1.61	0.18	0.24	13.95	4.74	2.16	0.19
11.40	1.64	0.20	0.25	14.00	4.75	2.17	0.19
11.45	1.68	0.21	0.27	14.05	4.76	2.18	0.18
11.50	1.72	0.23	0.29	14.10	4.78	2.19	0.18
11.55	1.78	0.25	0.42	14.15	4.79	2.20	0.18
11.60	1.83	0.28	0.46	14.20	4.80	2.21	0.18
11.65	1.90	0.30	0.50	14.25	4.81	2.21	0.17
11.70	1.96	0.33	0.53	14.30	4.82	2.22	0.17
11.75	2.04	0.37	0.71	14.35	4.83	2.23	0.17
11.80	2.13	0.41	0.79	14.40	4.85	2.24	0.16
11.85	2.25	0.47	1.07	14.45	4.86	2.25	0.16
11.90	2.36	0.53	1.22	14.50	4.87	2.26	0.16
11.95	2.57	0.65	1.99	14.55	4.88	2.27	0.15
12.00	2.77	0.77	2.33	14.60	4.89	2.27	0.15
12.05	3.11	0.98	3.75	14.65	4.90	2.28	0.15
12.10	3.45	1.20	**4.00**	14.70	4.91	2.29	0.15
12.15	3.56	1.28	1.86	14.75	4.92	2.30	0.14
12.20	3.68	1.37	1.51	14.80	4.93	2.31	0.14
12.25	3.77	1.43	1.18	14.85	4.94	2.31	0.13
12.30	3.85	1.49	1.11	14.90	4.94	2.32	0.13
12.35	3.91	1.53	0.87	14.95	4.95	2.33	0.13
12.40	3.98	1.58	0.84	15.00	4.96	2.33	0.13
12.45	4.03	1.62	0.81	15.05	4.97	2.34	0.12
12.50	4.09	1.67	0.79	15.10	4.98	2.35	0.12
12.55	4.13	1.69	0.56	15.15	4.99	2.35	0.12
12.60	4.17	1.72	0.52	15.20	4.99	2.36	0.12
12.65	4.20	1.75	0.50	15.25	5.00	2.37	0.12
12.70	4.24	1.77	0.49	15.30	5.01	2.37	0.12
12.75	4.27	1.80	0.46	15.35	5.02	2.38	0.12
12.80	4.30	1.82	0.45	15.40	5.03	2.38	0.12
12.85	4.33	1.85	0.42	15.45	5.03	2.39	0.11
12.90	4.36	1.87	0.41	15.50	5.04	2.40	0.11
12.95	4.39	1.89	0.38	15.55	5.05	2.40	0.11

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.11	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.11	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.11	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.11	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.11	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.11	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.11	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.11	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.11	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.10	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.10	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.10	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.10	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.10	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.10	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.10	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.10	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.10	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.10	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.10	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.10	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.09	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.09	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.09	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.09	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.06
17.00	5.24	2.56	0.09	19.60	5.49	2.76	0.06
17.05	5.25	2.56	0.09	19.65	5.50	2.77	0.06
17.10	5.25	2.57	0.09	19.70	5.50	2.77	0.06
17.15	5.26	2.57	0.09	19.75	5.50	2.77	0.06
17.20	5.27	2.58	0.09	19.80	5.51	2.78	0.06
17.25	5.27	2.58	0.08	19.85	5.51	2.78	0.06
17.30	5.28	2.59	0.08	19.90	5.52	2.78	0.06
17.35	5.28	2.59	0.08	19.95	5.52	2.79	0.06
17.40	5.29	2.60	0.08	20.00	5.53	2.79	0.06
17.45	5.29	2.60	0.08	20.05	5.53	2.79	0.06
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.06
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.08	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.08	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.07	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.07	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.07	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.07	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.07	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.01
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.05	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.05	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.05	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.05	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.05	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.05	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.05	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.05	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 11P: PDA-11 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 12l: PDA-12 (impervious)

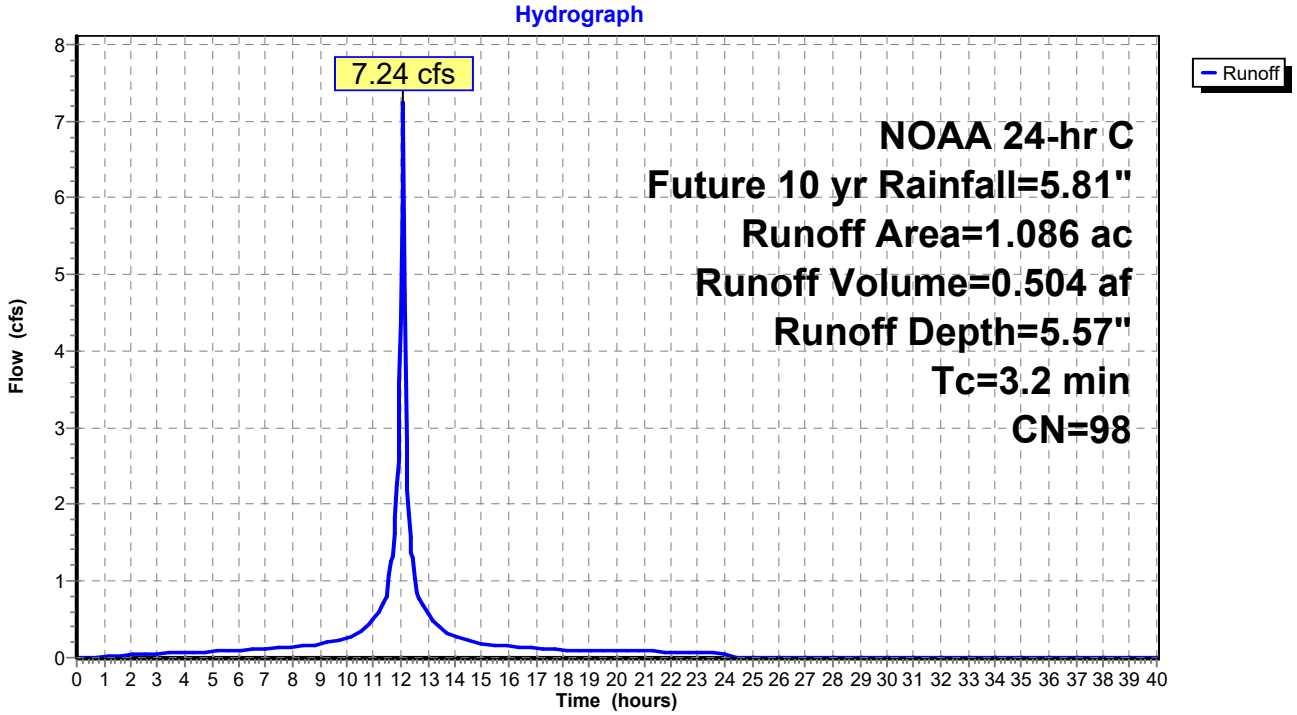
Runoff = 7.24 cfs @ 12.09 hrs, Volume= 0.504 af, Depth= 5.57"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.404	98	Pavement, HSG C
*	0.643	98	Roof, HSG C
*	0.039	98	Concrete, HSG C
	1.086	98	Weighted Average
	1.086		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2					**Direct Entry,**

Subcatchment 12l: PDA-12 (impervious)



Hydrograph for Subcatchment 12I: PDA-12 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.05
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.05
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.05
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.05
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.05
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.06
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.06
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.06
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.06
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.06
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.06
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.06
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.06
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.06
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.06
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.06
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.06
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.06
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.06
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.07
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.07
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.07
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.07
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.07
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.07
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.07
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.07
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.07
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.07
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.07
1.50	0.10	0.01	0.03	4.10	0.29	0.14	0.07
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.07
1.60	0.10	0.01	0.03	4.20	0.30	0.15	0.07
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.07
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.07
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.08
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.08
1.85	0.12	0.02	0.04	4.45	0.32	0.16	0.08
1.90	0.12	0.02	0.04	4.50	0.33	0.17	0.08
1.95	0.13	0.03	0.04	4.55	0.33	0.17	0.08
2.00	0.13	0.03	0.04	4.60	0.33	0.17	0.08
2.05	0.13	0.03	0.04	4.65	0.34	0.18	0.08
2.10	0.14	0.03	0.04	4.70	0.34	0.18	0.08
2.15	0.14	0.03	0.04	4.75	0.35	0.18	0.08
2.20	0.15	0.04	0.04	4.80	0.35	0.19	0.08
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.08
2.30	0.15	0.04	0.05	4.90	0.36	0.20	0.08
2.35	0.16	0.04	0.05	4.95	0.37	0.20	0.08
2.40	0.16	0.04	0.05	5.00	0.37	0.20	0.08
2.45	0.16	0.05	0.05	5.05	0.37	0.21	0.08
2.50	0.17	0.05	0.05	5.10	0.38	0.21	0.08
2.55	0.17	0.05	0.05	5.15	0.38	0.21	0.08

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.08	7.80	0.67	0.47	0.14
5.25	0.39	0.22	0.08	7.85	0.68	0.48	0.14
5.30	0.40	0.23	0.08	7.90	0.68	0.49	0.14
5.35	0.40	0.23	0.09	7.95	0.69	0.49	0.14
5.40	0.41	0.23	0.09	8.00	0.70	0.50	0.14
5.45	0.41	0.24	0.09	8.05	0.70	0.51	0.15
5.50	0.41	0.24	0.09	8.10	0.71	0.51	0.15
5.55	0.42	0.25	0.09	8.15	0.72	0.52	0.15
5.60	0.42	0.25	0.09	8.20	0.72	0.53	0.15
5.65	0.43	0.25	0.09	8.25	0.73	0.53	0.15
5.70	0.43	0.26	0.09	8.30	0.74	0.54	0.15
5.75	0.44	0.26	0.09	8.35	0.75	0.55	0.15
5.80	0.44	0.27	0.09	8.40	0.75	0.55	0.15
5.85	0.45	0.27	0.09	8.45	0.76	0.56	0.16
5.90	0.45	0.27	0.09	8.50	0.77	0.57	0.16
5.95	0.46	0.28	0.09	8.55	0.78	0.58	0.16
6.00	0.46	0.28	0.09	8.60	0.78	0.58	0.16
6.05	0.47	0.29	0.09	8.65	0.79	0.59	0.16
6.10	0.47	0.29	0.09	8.70	0.80	0.60	0.16
6.15	0.47	0.30	0.10	8.75	0.81	0.61	0.16
6.20	0.48	0.30	0.10	8.80	0.82	0.61	0.17
6.25	0.48	0.30	0.10	8.85	0.82	0.62	0.17
6.30	0.49	0.31	0.10	8.90	0.83	0.63	0.17
6.35	0.50	0.31	0.10	8.95	0.84	0.64	0.17
6.40	0.50	0.32	0.10	9.00	0.85	0.64	0.17
6.45	0.51	0.32	0.10	9.05	0.86	0.65	0.18
6.50	0.51	0.33	0.10	9.10	0.87	0.66	0.18
6.55	0.52	0.33	0.11	9.15	0.87	0.67	0.19
6.60	0.52	0.34	0.11	9.20	0.88	0.68	0.19
6.65	0.53	0.34	0.11	9.25	0.89	0.69	0.20
6.70	0.53	0.35	0.11	9.30	0.90	0.70	0.20
6.75	0.54	0.35	0.11	9.35	0.91	0.71	0.20
6.80	0.54	0.36	0.11	9.40	0.92	0.72	0.21
6.85	0.55	0.36	0.11	9.45	0.93	0.73	0.21
6.90	0.56	0.37	0.11	9.50	0.94	0.74	0.22
6.95	0.56	0.37	0.12	9.55	0.95	0.75	0.22
7.00	0.57	0.38	0.12	9.60	0.96	0.76	0.23
7.05	0.57	0.38	0.12	9.65	0.98	0.77	0.23
7.10	0.58	0.39	0.12	9.70	0.99	0.78	0.24
7.15	0.58	0.40	0.12	9.75	1.00	0.79	0.24
7.20	0.59	0.40	0.12	9.80	1.01	0.80	0.25
7.25	0.60	0.41	0.12	9.85	1.02	0.81	0.25
7.30	0.60	0.41	0.13	9.90	1.03	0.82	0.26
7.35	0.61	0.42	0.13	9.95	1.05	0.84	0.26
7.40	0.62	0.42	0.13	10.00	1.06	0.85	0.27
7.45	0.62	0.43	0.13	10.05	1.07	0.86	0.27
7.50	0.63	0.44	0.13	10.10	1.09	0.87	0.28
7.55	0.64	0.44	0.13	10.15	1.10	0.89	0.28
7.60	0.64	0.45	0.13	10.20	1.11	0.90	0.29
7.65	0.65	0.45	0.13	10.25	1.13	0.91	0.29
7.70	0.65	0.46	0.14	10.30	1.14	0.93	0.29
7.75	0.66	0.47	0.14	10.35	1.15	0.94	0.30

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.30	13.00	4.42	4.18	0.57
10.45	1.18	0.97	0.31	13.05	4.44	4.20	0.53
10.50	1.20	0.98	0.31	13.10	4.46	4.23	0.51
10.55	1.21	1.00	0.33	13.15	4.48	4.25	0.48
10.60	1.23	1.02	0.35	13.20	4.50	4.27	0.47
10.65	1.25	1.03	0.37	13.25	4.52	4.29	0.45
10.70	1.27	1.05	0.38	13.30	4.54	4.31	0.43
10.75	1.29	1.07	0.41	13.35	4.56	4.33	0.41
10.80	1.31	1.09	0.42	13.40	4.58	4.34	0.40
10.85	1.33	1.11	0.44	13.45	4.60	4.36	0.37
10.90	1.35	1.13	0.46	13.50	4.61	4.38	0.36
10.95	1.37	1.15	0.48	13.55	4.63	4.39	0.34
11.00	1.39	1.18	0.49	13.60	4.64	4.41	0.32
11.05	1.42	1.20	0.53	13.65	4.66	4.42	0.32
11.10	1.45	1.23	0.56	13.70	4.67	4.43	0.31
11.15	1.48	1.26	0.60	13.75	4.68	4.45	0.31
11.20	1.51	1.29	0.63	13.80	4.70	4.46	0.30
11.25	1.54	1.32	0.67	13.85	4.71	4.48	0.30
11.30	1.57	1.35	0.70	13.90	4.72	4.49	0.29
11.35	1.61	1.38	0.74	13.95	4.74	4.50	0.29
11.40	1.64	1.42	0.77	14.00	4.75	4.51	0.28
11.45	1.68	1.46	0.80	14.05	4.76	4.53	0.28
11.50	1.72	1.49	0.82	14.10	4.78	4.54	0.27
11.55	1.78	1.55	1.07	14.15	4.79	4.55	0.27
11.60	1.83	1.61	1.25	14.20	4.80	4.56	0.26
11.65	1.90	1.67	1.31	14.25	4.81	4.57	0.26
11.70	1.96	1.73	1.34	14.30	4.82	4.59	0.25
11.75	2.04	1.82	1.62	14.35	4.83	4.60	0.25
11.80	2.13	1.90	1.83	14.40	4.85	4.61	0.24
11.85	2.25	2.02	2.23	14.45	4.86	4.62	0.24
11.90	2.36	2.13	2.55	14.50	4.87	4.63	0.24
11.95	2.57	2.34	3.58	14.55	4.88	4.64	0.23
12.00	2.77	2.54	4.37	14.60	4.89	4.65	0.23
12.05	3.11	2.88	6.05	14.65	4.90	4.66	0.22
12.10	3.45	3.21	**7.18**	14.70	4.91	4.67	0.22
12.15	3.56	3.33	4.73	14.75	4.92	4.68	0.21
12.20	3.68	3.45	2.80	14.80	4.93	4.69	0.21
12.25	3.77	3.53	2.19	14.85	4.94	4.70	0.20
12.30	3.85	3.62	1.88	14.90	4.94	4.71	0.20
12.35	3.91	3.68	1.58	14.95	4.95	4.72	0.19
12.40	3.98	3.74	1.37	15.00	4.96	4.72	0.19
12.45	4.03	3.80	1.32	15.05	4.97	4.73	0.18
12.50	4.09	3.86	1.28	15.10	4.98	4.74	0.18
12.55	4.13	3.90	1.03	15.15	4.99	4.75	0.18
12.60	4.17	3.93	0.85	15.20	4.99	4.76	0.18
12.65	4.20	3.97	0.80	15.25	5.00	4.76	0.17
12.70	4.24	4.00	0.78	15.30	5.01	4.77	0.17
12.75	4.27	4.04	0.74	15.35	5.02	4.78	0.17
12.80	4.30	4.07	0.71	15.40	5.03	4.79	0.17
12.85	4.33	4.10	0.67	15.45	5.03	4.80	0.17
12.90	4.36	4.13	0.64	15.50	5.04	4.80	0.17
12.95	4.39	4.15	0.60	15.55	5.05	4.81	0.17

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.17	18.20	5.37	5.13	0.10
15.65	5.06	4.83	0.16	18.25	5.37	5.14	0.10
15.70	5.07	4.83	0.16	18.30	5.38	5.14	0.10
15.75	5.08	4.84	0.16	18.35	5.38	5.14	0.10
15.80	5.09	4.85	0.16	18.40	5.39	5.15	0.10
15.85	5.09	4.86	0.16	18.45	5.39	5.15	0.10
15.90	5.10	4.86	0.16	18.50	5.40	5.16	0.10
15.95	5.11	4.87	0.16	18.55	5.40	5.16	0.10
16.00	5.11	4.88	0.16	18.60	5.40	5.17	0.10
16.05	5.12	4.88	0.15	18.65	5.41	5.17	0.10
16.10	5.13	4.89	0.15	18.70	5.41	5.18	0.10
16.15	5.13	4.90	0.15	18.75	5.42	5.18	0.10
16.20	5.14	4.90	0.15	18.80	5.42	5.19	0.10
16.25	5.15	4.91	0.15	18.85	5.43	5.19	0.10
16.30	5.16	4.92	0.15	18.90	5.43	5.19	0.10
16.35	5.16	4.92	0.15	18.95	5.44	5.20	0.10
16.40	5.17	4.93	0.15	19.00	5.44	5.20	0.10
16.45	5.17	4.94	0.14	19.05	5.44	5.21	0.10
16.50	5.18	4.94	0.14	19.10	5.45	5.21	0.10
16.55	5.19	4.95	0.14	19.15	5.45	5.22	0.10
16.60	5.19	4.96	0.14	19.20	5.46	5.22	0.10
16.65	5.20	4.96	0.14	19.25	5.46	5.22	0.09
16.70	5.21	4.97	0.14	19.30	5.47	5.23	0.09
16.75	5.21	4.98	0.14	19.35	5.47	5.23	0.09
16.80	5.22	4.98	0.13	19.40	5.48	5.24	0.09
16.85	5.23	4.99	0.13	19.45	5.48	5.24	0.09
16.90	5.23	4.99	0.13	19.50	5.48	5.25	0.09
16.95	5.24	5.00	0.13	19.55	5.49	5.25	0.09
17.00	5.24	5.01	0.13	19.60	5.49	5.25	0.09
17.05	5.25	5.01	0.13	19.65	5.50	5.26	0.09
17.10	5.25	5.02	0.13	19.70	5.50	5.26	0.09
17.15	5.26	5.02	0.13	19.75	5.50	5.27	0.09
17.20	5.27	5.03	0.13	19.80	5.51	5.27	0.09
17.25	5.27	5.03	0.12	19.85	5.51	5.28	0.09
17.30	5.28	5.04	0.12	19.90	5.52	5.28	0.09
17.35	5.28	5.05	0.12	19.95	5.52	5.28	0.09
17.40	5.29	5.05	0.12	20.00	5.53	5.29	0.09
17.45	5.29	5.06	0.12	20.05	5.53	5.29	0.09
17.50	5.30	5.06	0.12	20.10	5.53	5.30	0.09
17.55	5.30	5.07	0.12	20.15	5.54	5.30	0.09
17.60	5.31	5.07	0.12	20.20	5.54	5.30	0.09
17.65	5.31	5.08	0.11	20.25	5.55	5.31	0.09
17.70	5.32	5.08	0.11	20.30	5.55	5.31	0.09
17.75	5.33	5.09	0.11	20.35	5.55	5.32	0.09
17.80	5.33	5.09	0.11	20.40	5.56	5.32	0.09
17.85	5.34	5.10	0.11	20.45	5.56	5.32	0.09
17.90	5.34	5.10	0.11	20.50	5.57	5.33	0.09
17.95	5.34	5.11	0.11	20.55	5.57	5.33	0.09
18.00	5.35	5.11	0.10	20.60	5.57	5.34	0.09
18.05	5.35	5.12	0.10	20.65	5.58	5.34	0.09
18.10	5.36	5.12	0.10	20.70	5.58	5.34	0.09
18.15	5.36	5.13	0.10	20.75	5.59	5.35	0.09

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.09	23.40	5.77	5.53	0.07
20.85	5.59	5.36	0.08	23.45	5.78	5.54	0.07
20.90	5.60	5.36	0.08	23.50	5.78	5.54	0.07
20.95	5.60	5.36	0.08	23.55	5.78	5.54	0.07
21.00	5.61	5.37	0.08	23.60	5.78	5.55	0.07
21.05	5.61	5.37	0.08	23.65	5.79	5.55	0.07
21.10	5.61	5.37	0.08	23.70	5.79	5.55	0.07
21.15	5.62	5.38	0.08	23.75	5.79	5.56	0.07
21.20	5.62	5.38	0.08	23.80	5.80	5.56	0.07
21.25	5.62	5.39	0.08	23.85	5.80	5.56	0.07
21.30	5.63	5.39	0.08	23.90	5.80	5.56	0.07
21.35	5.63	5.39	0.08	23.95	5.81	5.57	0.07
21.40	5.64	5.40	0.08	24.00	**5.81**	**5.57**	0.08
21.45	5.64	5.40	0.08	24.05	5.81	5.57	0.04
21.50	5.64	5.40	0.08	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.08	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.08	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.08	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.08	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.08	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.08	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.08	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.08	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.08	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.08	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.08	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.08	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.08	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.08	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.08	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.08	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.08	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.08	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.07	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.07	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.07	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.07	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.07	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.07	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.07	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.07	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.07	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.07	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.07	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.07	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.07	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.07	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.07	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.07	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.07	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.07	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.07	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 12l: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 12I: PDA-12 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 12P: PDA-12 (pervious)

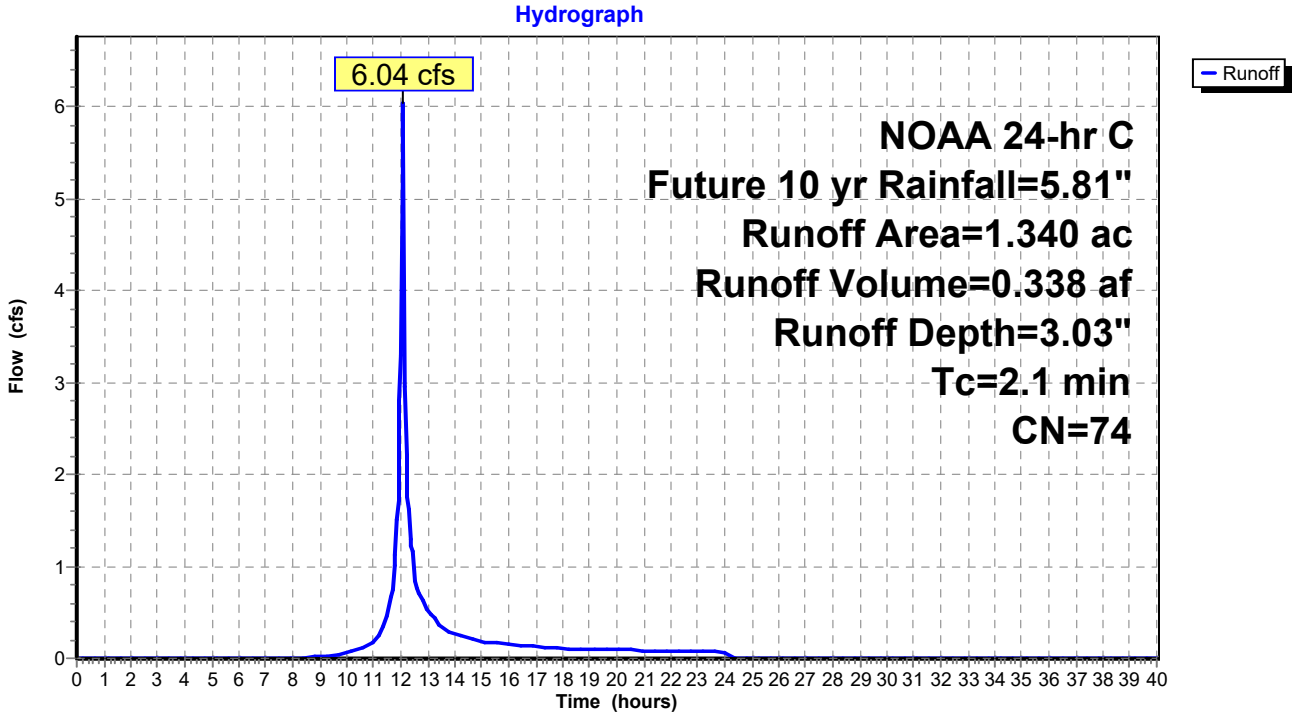
Runoff = 6.04 cfs @ 12.08 hrs, Volume= 0.338 af, Depth= 3.03"
Routed to Pond B-12 : Basin #12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.340	74	>75% Grass cover, Good, HSG C
1.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 12P: PDA-12 (pervious)



Hydrograph for Subcatchment 12P: PDA-12 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.05
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.05
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.05
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.06
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.06
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.06
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.07
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.07
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.07
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.08

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.08	13.00	4.42	1.91	0.54
10.45	1.18	0.06	0.09	13.05	4.44	1.93	0.49
10.50	1.20	0.06	0.09	13.10	4.46	1.94	0.48
10.55	1.21	0.06	0.10	13.15	4.48	1.96	0.45
10.60	1.23	0.07	0.11	13.20	4.50	1.98	0.44
10.65	1.25	0.07	0.12	13.25	4.52	1.99	0.42
10.70	1.27	0.08	0.12	13.30	4.54	2.01	0.41
10.75	1.29	0.08	0.14	13.35	4.56	2.02	0.38
10.80	1.31	0.09	0.14	13.40	4.58	2.03	0.37
10.85	1.33	0.09	0.16	13.45	4.60	2.05	0.35
10.90	1.35	0.10	0.16	13.50	4.61	2.06	0.34
10.95	1.37	0.11	0.18	13.55	4.63	2.07	0.32
11.00	1.39	0.11	0.19	13.60	4.64	2.08	0.31
11.05	1.42	0.12	0.21	13.65	4.66	2.09	0.30
11.10	1.45	0.13	0.22	13.70	4.67	2.10	0.30
11.15	1.48	0.14	0.25	13.75	4.68	2.12	0.29
11.20	1.51	0.15	0.26	13.80	4.70	2.13	0.29
11.25	1.54	0.16	0.29	13.85	4.71	2.14	0.28
11.30	1.57	0.17	0.31	13.90	4.72	2.15	0.28
11.35	1.61	0.18	0.34	13.95	4.74	2.16	0.28
11.40	1.64	0.20	0.36	14.00	4.75	2.17	0.27
11.45	1.68	0.21	0.39	14.05	4.76	2.18	0.27
11.50	1.72	0.23	0.41	14.10	4.78	2.19	0.26
11.55	1.78	0.25	0.60	14.15	4.79	2.20	0.26
11.60	1.83	0.28	0.66	14.20	4.80	2.21	0.26
11.65	1.90	0.30	0.72	14.25	4.81	2.21	0.25
11.70	1.96	0.33	0.76	14.30	4.82	2.22	0.25
11.75	2.04	0.37	1.01	14.35	4.83	2.23	0.24
11.80	2.13	0.41	1.12	14.40	4.85	2.24	0.24
11.85	2.25	0.47	1.51	14.45	4.86	2.25	0.23
11.90	2.36	0.53	1.72	14.50	4.87	2.26	0.23
11.95	2.57	0.65	2.79	14.55	4.88	2.27	0.22
12.00	2.77	0.77	3.31	14.60	4.89	2.27	0.22
12.05	3.11	0.98	5.26	14.65	4.90	2.28	0.21
12.10	3.45	1.20	**5.85**	14.70	4.91	2.29	0.21
12.15	3.56	1.28	2.96	14.75	4.92	2.30	0.20
12.20	3.68	1.37	2.22	14.80	4.93	2.31	0.20
12.25	3.77	1.43	1.75	14.85	4.94	2.31	0.20
12.30	3.85	1.49	1.62	14.90	4.94	2.32	0.19
12.35	3.91	1.53	1.29	14.95	4.95	2.33	0.19
12.40	3.98	1.58	1.22	15.00	4.96	2.33	0.18
12.45	4.03	1.62	1.18	15.05	4.97	2.34	0.18
12.50	4.09	1.67	1.15	15.10	4.98	2.35	0.18
12.55	4.13	1.69	0.84	15.15	4.99	2.35	0.17
12.60	4.17	1.72	0.76	15.20	4.99	2.36	0.17
12.65	4.20	1.75	0.73	15.25	5.00	2.37	0.17
12.70	4.24	1.77	0.72	15.30	5.01	2.37	0.17
12.75	4.27	1.80	0.67	15.35	5.02	2.38	0.17
12.80	4.30	1.82	0.66	15.40	5.03	2.38	0.17
12.85	4.33	1.85	0.61	15.45	5.03	2.39	0.17
12.90	4.36	1.87	0.60	15.50	5.04	2.40	0.17
12.95	4.39	1.89	0.55	15.55	5.05	2.40	0.16

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.16	18.20	5.37	2.66	0.10
15.65	5.06	2.41	0.16	18.25	5.37	2.67	0.10
15.70	5.07	2.42	0.16	18.30	5.38	2.67	0.10
15.75	5.08	2.43	0.16	18.35	5.38	2.67	0.10
15.80	5.09	2.43	0.16	18.40	5.39	2.68	0.10
15.85	5.09	2.44	0.16	18.45	5.39	2.68	0.10
15.90	5.10	2.44	0.16	18.50	5.40	2.68	0.10
15.95	5.11	2.45	0.15	18.55	5.40	2.69	0.10
16.00	5.11	2.46	0.15	18.60	5.40	2.69	0.10
16.05	5.12	2.46	0.15	18.65	5.41	2.69	0.10
16.10	5.13	2.47	0.15	18.70	5.41	2.70	0.10
16.15	5.13	2.47	0.15	18.75	5.42	2.70	0.10
16.20	5.14	2.48	0.15	18.80	5.42	2.71	0.10
16.25	5.15	2.48	0.15	18.85	5.43	2.71	0.10
16.30	5.16	2.49	0.15	18.90	5.43	2.71	0.10
16.35	5.16	2.49	0.15	18.95	5.44	2.72	0.10
16.40	5.17	2.50	0.14	19.00	5.44	2.72	0.10
16.45	5.17	2.50	0.14	19.05	5.44	2.72	0.10
16.50	5.18	2.51	0.14	19.10	5.45	2.73	0.10
16.55	5.19	2.52	0.14	19.15	5.45	2.73	0.10
16.60	5.19	2.52	0.14	19.20	5.46	2.73	0.10
16.65	5.20	2.53	0.14	19.25	5.46	2.74	0.10
16.70	5.21	2.53	0.14	19.30	5.47	2.74	0.10
16.75	5.21	2.54	0.14	19.35	5.47	2.75	0.10
16.80	5.22	2.54	0.13	19.40	5.48	2.75	0.10
16.85	5.23	2.55	0.13	19.45	5.48	2.75	0.09
16.90	5.23	2.55	0.13	19.50	5.48	2.76	0.09
16.95	5.24	2.55	0.13	19.55	5.49	2.76	0.09
17.00	5.24	2.56	0.13	19.60	5.49	2.76	0.09
17.05	5.25	2.56	0.13	19.65	5.50	2.77	0.09
17.10	5.25	2.57	0.13	19.70	5.50	2.77	0.09
17.15	5.26	2.57	0.13	19.75	5.50	2.77	0.09
17.20	5.27	2.58	0.13	19.80	5.51	2.78	0.09
17.25	5.27	2.58	0.12	19.85	5.51	2.78	0.09
17.30	5.28	2.59	0.12	19.90	5.52	2.78	0.09
17.35	5.28	2.59	0.12	19.95	5.52	2.79	0.09
17.40	5.29	2.60	0.12	20.00	5.53	2.79	0.09
17.45	5.29	2.60	0.12	20.05	5.53	2.79	0.09
17.50	5.30	2.61	0.12	20.10	5.53	2.80	0.09
17.55	5.30	2.61	0.12	20.15	5.54	2.80	0.09
17.60	5.31	2.61	0.12	20.20	5.54	2.80	0.09
17.65	5.31	2.62	0.11	20.25	5.55	2.81	0.09
17.70	5.32	2.62	0.11	20.30	5.55	2.81	0.09
17.75	5.33	2.63	0.11	20.35	5.55	2.81	0.09
17.80	5.33	2.63	0.11	20.40	5.56	2.82	0.09
17.85	5.34	2.63	0.11	20.45	5.56	2.82	0.09
17.90	5.34	2.64	0.11	20.50	5.57	2.82	0.09
17.95	5.34	2.64	0.11	20.55	5.57	2.83	0.09
18.00	5.35	2.65	0.11	20.60	5.57	2.83	0.09
18.05	5.35	2.65	0.10	20.65	5.58	2.83	0.09
18.10	5.36	2.65	0.10	20.70	5.58	2.84	0.09
18.15	5.36	2.66	0.10	20.75	5.59	2.84	0.09

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.09	23.40	5.77	2.99	0.07
20.85	5.59	2.85	0.09	23.45	5.78	3.00	0.07
20.90	5.60	2.85	0.09	23.50	5.78	3.00	0.07
20.95	5.60	2.85	0.09	23.55	5.78	3.00	0.07
21.00	5.61	2.86	0.09	23.60	5.78	3.00	0.07
21.05	5.61	2.86	0.09	23.65	5.79	3.01	0.07
21.10	5.61	2.86	0.08	23.70	5.79	3.01	0.07
21.15	5.62	2.87	0.08	23.75	5.79	3.01	0.07
21.20	5.62	2.87	0.08	23.80	5.80	3.01	0.07
21.25	5.62	2.87	0.08	23.85	5.80	3.02	0.07
21.30	5.63	2.87	0.08	23.90	5.80	3.02	0.07
21.35	5.63	2.88	0.08	23.95	5.81	3.02	0.08
21.40	5.64	2.88	0.08	24.00	**5.81**	**3.03**	0.08
21.45	5.64	2.88	0.08	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.08	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.08	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.08	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.08	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.08	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.08	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.08	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.08	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.08	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.08	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.08	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.08	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.08	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.08	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.08	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.08	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.08	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.08	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.08	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.08	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.08	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.08	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.08	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.08	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.07	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.07	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.07	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.07	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.07	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.07	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.07	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.07	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.07	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.07	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 12P: PDA-12 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 13I: PDA-13 (impervious)

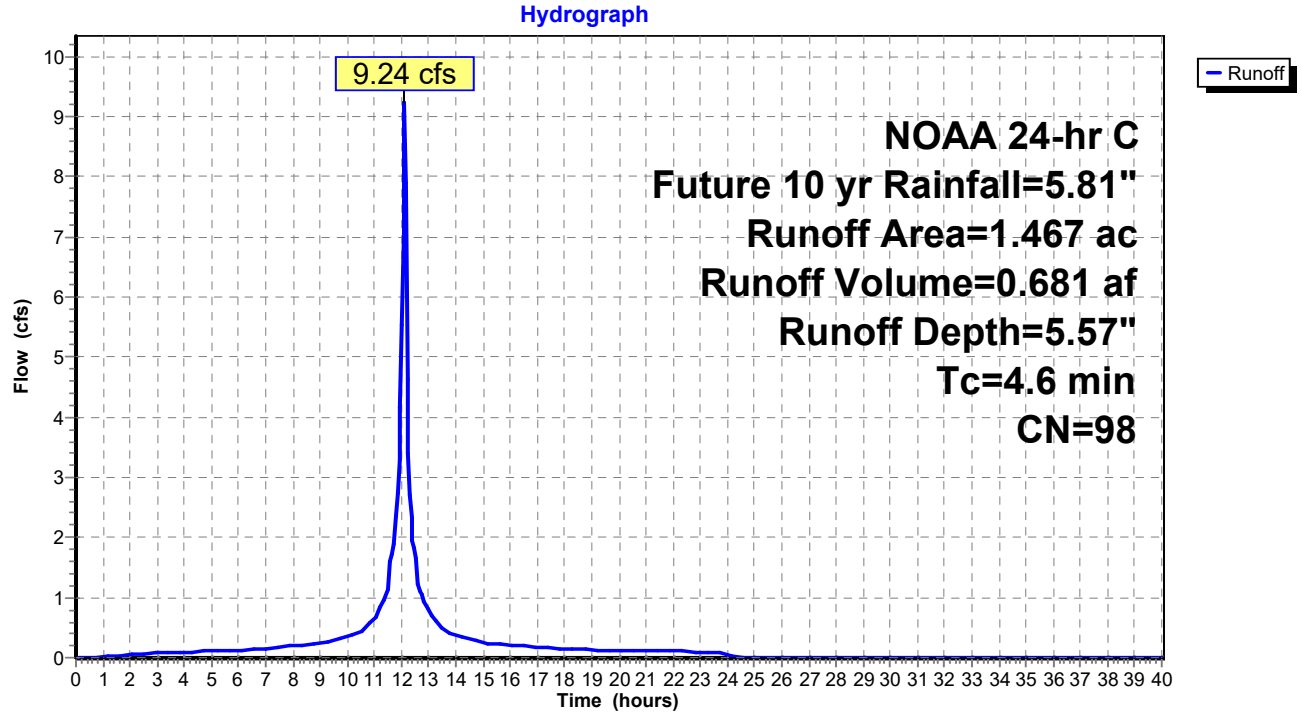
Runoff = 9.24 cfs @ 12.11 hrs, Volume= 0.681 af, Depth= 5.57"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.678	98	Pavement, HSG C
*	0.707	98	Roof, HSG C
*	0.082	98	Concrete, HSG C
	1.467	98	Weighted Average
	1.467		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.6					**Direct Entry,**

Subcatchment 13I: PDA-13 (impervious)



Hydrograph for Subcatchment 13I: PDA-13 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.07
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.07
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.07
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.07
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.07
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.07
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.07
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.08
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.08
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.08
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.08
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.08
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.08
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.08
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.08
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.08
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.08
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.09
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.09
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.09
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.09
1.05	0.07	0.00	0.02	3.65	0.26	0.11	0.09
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.09
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.09
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.09
1.25	0.08	0.01	0.03	3.85	0.27	0.12	0.09
1.30	0.08	0.01	0.03	3.90	0.28	0.13	0.09
1.35	0.09	0.01	0.03	3.95	0.28	0.13	0.09
1.40	0.09	0.01	0.03	4.00	0.28	0.13	0.10
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.10
1.50	0.10	0.01	0.04	4.10	0.29	0.14	0.10
1.55	0.10	0.01	0.04	4.15	0.30	0.14	0.10
1.60	0.10	0.01	0.04	4.20	0.30	0.15	0.10
1.65	0.11	0.02	0.04	4.25	0.31	0.15	0.10
1.70	0.11	0.02	0.04	4.30	0.31	0.15	0.10
1.75	0.11	0.02	0.04	4.35	0.31	0.16	0.10
1.80	0.12	0.02	0.05	4.40	0.32	0.16	0.10
1.85	0.12	0.02	0.05	4.45	0.32	0.16	0.10
1.90	0.12	0.02	0.05	4.50	0.33	0.17	0.10
1.95	0.13	0.03	0.05	4.55	0.33	0.17	0.10
2.00	0.13	0.03	0.05	4.60	0.33	0.17	0.10
2.05	0.13	0.03	0.05	4.65	0.34	0.18	0.11
2.10	0.14	0.03	0.06	4.70	0.34	0.18	0.11
2.15	0.14	0.03	0.06	4.75	0.35	0.18	0.11
2.20	0.15	0.04	0.06	4.80	0.35	0.19	0.11
2.25	0.15	0.04	0.06	4.85	0.36	0.19	0.11
2.30	0.15	0.04	0.06	4.90	0.36	0.20	0.11
2.35	0.16	0.04	0.06	4.95	0.37	0.20	0.11
2.40	0.16	0.04	0.06	5.00	0.37	0.20	0.11
2.45	0.16	0.05	0.06	5.05	0.37	0.21	0.11
2.50	0.17	0.05	0.07	5.10	0.38	0.21	0.11
2.55	0.17	0.05	0.07	5.15	0.38	0.21	0.11

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.11	7.80	0.67	0.47	0.19
5.25	0.39	0.22	0.11	7.85	0.68	0.48	0.19
5.30	0.40	0.23	0.11	7.90	0.68	0.49	0.19
5.35	0.40	0.23	0.11	7.95	0.69	0.49	0.19
5.40	0.41	0.23	0.12	8.00	0.70	0.50	0.19
5.45	0.41	0.24	0.12	8.05	0.70	0.51	0.20
5.50	0.41	0.24	0.12	8.10	0.71	0.51	0.20
5.55	0.42	0.25	0.12	8.15	0.72	0.52	0.20
5.60	0.42	0.25	0.12	8.20	0.72	0.53	0.20
5.65	0.43	0.25	0.12	8.25	0.73	0.53	0.20
5.70	0.43	0.26	0.12	8.30	0.74	0.54	0.20
5.75	0.44	0.26	0.12	8.35	0.75	0.55	0.21
5.80	0.44	0.27	0.12	8.40	0.75	0.55	0.21
5.85	0.45	0.27	0.12	8.45	0.76	0.56	0.21
5.90	0.45	0.27	0.12	8.50	0.77	0.57	0.21
5.95	0.46	0.28	0.12	8.55	0.78	0.58	0.21
6.00	0.46	0.28	0.12	8.60	0.78	0.58	0.22
6.05	0.47	0.29	0.12	8.65	0.79	0.59	0.22
6.10	0.47	0.29	0.13	8.70	0.80	0.60	0.22
6.15	0.47	0.30	0.13	8.75	0.81	0.61	0.22
6.20	0.48	0.30	0.13	8.80	0.82	0.61	0.22
6.25	0.48	0.30	0.13	8.85	0.82	0.62	0.22
6.30	0.49	0.31	0.13	8.90	0.83	0.63	0.23
6.35	0.50	0.31	0.13	8.95	0.84	0.64	0.23
6.40	0.50	0.32	0.14	9.00	0.85	0.64	0.23
6.45	0.51	0.32	0.14	9.05	0.86	0.65	0.23
6.50	0.51	0.33	0.14	9.10	0.87	0.66	0.24
6.55	0.52	0.33	0.14	9.15	0.87	0.67	0.25
6.60	0.52	0.34	0.14	9.20	0.88	0.68	0.25
6.65	0.53	0.34	0.15	9.25	0.89	0.69	0.26
6.70	0.53	0.35	0.15	9.30	0.90	0.70	0.27
6.75	0.54	0.35	0.15	9.35	0.91	0.71	0.27
6.80	0.54	0.36	0.15	9.40	0.92	0.72	0.28
6.85	0.55	0.36	0.15	9.45	0.93	0.73	0.29
6.90	0.56	0.37	0.15	9.50	0.94	0.74	0.29
6.95	0.56	0.37	0.16	9.55	0.95	0.75	0.30
7.00	0.57	0.38	0.16	9.60	0.96	0.76	0.31
7.05	0.57	0.38	0.16	9.65	0.98	0.77	0.31
7.10	0.58	0.39	0.16	9.70	0.99	0.78	0.32
7.15	0.58	0.40	0.16	9.75	1.00	0.79	0.32
7.20	0.59	0.40	0.17	9.80	1.01	0.80	0.33
7.25	0.60	0.41	0.17	9.85	1.02	0.81	0.34
7.30	0.60	0.41	0.17	9.90	1.03	0.82	0.34
7.35	0.61	0.42	0.17	9.95	1.05	0.84	0.35
7.40	0.62	0.42	0.17	10.00	1.06	0.85	0.36
7.45	0.62	0.43	0.17	10.05	1.07	0.86	0.36
7.50	0.63	0.44	0.18	10.10	1.09	0.87	0.37
7.55	0.64	0.44	0.18	10.15	1.10	0.89	0.38
7.60	0.64	0.45	0.18	10.20	1.11	0.90	0.38
7.65	0.65	0.45	0.18	10.25	1.13	0.91	0.39
7.70	0.65	0.46	0.18	10.30	1.14	0.93	0.40
7.75	0.66	0.47	0.19	10.35	1.15	0.94	0.40

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.41	13.00	4.42	4.18	0.79
10.45	1.18	0.97	0.41	13.05	4.44	4.20	0.75
10.50	1.20	0.98	0.42	13.10	4.46	4.23	0.70
10.55	1.21	1.00	0.44	13.15	4.48	4.25	0.67
10.60	1.23	1.02	0.46	13.20	4.50	4.27	0.64
10.65	1.25	1.03	0.49	13.25	4.52	4.29	0.62
10.70	1.27	1.05	0.51	13.30	4.54	4.31	0.59
10.75	1.29	1.07	0.53	13.35	4.56	4.33	0.57
10.80	1.31	1.09	0.56	13.40	4.58	4.34	0.54
10.85	1.33	1.11	0.58	13.45	4.60	4.36	0.52
10.90	1.35	1.13	0.61	13.50	4.61	4.38	0.49
10.95	1.37	1.15	0.63	13.55	4.63	4.39	0.47
11.00	1.39	1.18	0.66	13.60	4.64	4.41	0.44
11.05	1.42	1.20	0.69	13.65	4.66	4.42	0.43
11.10	1.45	1.23	0.74	13.70	4.67	4.43	0.42
11.15	1.48	1.26	0.78	13.75	4.68	4.45	0.42
11.20	1.51	1.29	0.84	13.80	4.70	4.46	0.41
11.25	1.54	1.32	0.88	13.85	4.71	4.48	0.40
11.30	1.57	1.35	0.93	13.90	4.72	4.49	0.40
11.35	1.61	1.38	0.97	13.95	4.74	4.50	0.39
11.40	1.64	1.42	1.02	14.00	4.75	4.51	0.38
11.45	1.68	1.46	1.05	14.05	4.76	4.53	0.38
11.50	1.72	1.49	1.10	14.10	4.78	4.54	0.37
11.55	1.78	1.55	1.29	14.15	4.79	4.55	0.37
11.60	1.83	1.61	1.61	14.20	4.80	4.56	0.36
11.65	1.90	1.67	1.72	14.25	4.81	4.57	0.35
11.70	1.96	1.73	1.79	14.30	4.82	4.59	0.35
11.75	2.04	1.82	2.01	14.35	4.83	4.60	0.34
11.80	2.13	1.90	2.37	14.40	4.85	4.61	0.33
11.85	2.25	2.02	2.75	14.45	4.86	4.62	0.33
11.90	2.36	2.13	3.28	14.50	4.87	4.63	0.32
11.95	2.57	2.34	4.18	14.55	4.88	4.64	0.31
12.00	2.77	2.54	5.52	14.60	4.89	4.65	0.31
12.05	3.11	2.88	7.08	14.65	4.90	4.66	0.30
12.10	3.45	3.21	**9.21**	14.70	4.91	4.67	0.29
12.15	3.56	3.33	7.89	14.75	4.92	4.68	0.29
12.20	3.68	3.45	4.64	14.80	4.93	4.69	0.28
12.25	3.77	3.53	3.41	14.85	4.94	4.70	0.28
12.30	3.85	3.62	2.72	14.90	4.94	4.71	0.27
12.35	3.91	3.68	2.34	14.95	4.95	4.72	0.26
12.40	3.98	3.74	1.95	15.00	4.96	4.72	0.26
12.45	4.03	3.80	1.82	15.05	4.97	4.73	0.25
12.50	4.09	3.86	1.75	15.10	4.98	4.74	0.24
12.55	4.13	3.90	1.55	15.15	4.99	4.75	0.24
12.60	4.17	3.93	1.23	15.20	4.99	4.76	0.24
12.65	4.20	3.97	1.12	15.25	5.00	4.76	0.24
12.70	4.24	4.00	1.07	15.30	5.01	4.77	0.23
12.75	4.27	4.04	1.02	15.35	5.02	4.78	0.23
12.80	4.30	4.07	0.97	15.40	5.03	4.79	0.23
12.85	4.33	4.10	0.93	15.45	5.03	4.80	0.23
12.90	4.36	4.13	0.88	15.50	5.04	4.80	0.23
12.95	4.39	4.15	0.84	15.55	5.05	4.81	0.23

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.22	18.20	5.37	5.13	0.14
15.65	5.06	4.83	0.22	18.25	5.37	5.14	0.14
15.70	5.07	4.83	0.22	18.30	5.38	5.14	0.14
15.75	5.08	4.84	0.22	18.35	5.38	5.14	0.14
15.80	5.09	4.85	0.22	18.40	5.39	5.15	0.14
15.85	5.09	4.86	0.22	18.45	5.39	5.15	0.14
15.90	5.10	4.86	0.21	18.50	5.40	5.16	0.13
15.95	5.11	4.87	0.21	18.55	5.40	5.16	0.13
16.00	5.11	4.88	0.21	18.60	5.40	5.17	0.13
16.05	5.12	4.88	0.21	18.65	5.41	5.17	0.13
16.10	5.13	4.89	0.21	18.70	5.41	5.18	0.13
16.15	5.13	4.90	0.21	18.75	5.42	5.18	0.13
16.20	5.14	4.90	0.20	18.80	5.42	5.19	0.13
16.25	5.15	4.91	0.20	18.85	5.43	5.19	0.13
16.30	5.16	4.92	0.20	18.90	5.43	5.19	0.13
16.35	5.16	4.92	0.20	18.95	5.44	5.20	0.13
16.40	5.17	4.93	0.20	19.00	5.44	5.20	0.13
16.45	5.17	4.94	0.20	19.05	5.44	5.21	0.13
16.50	5.18	4.94	0.19	19.10	5.45	5.21	0.13
16.55	5.19	4.95	0.19	19.15	5.45	5.22	0.13
16.60	5.19	4.96	0.19	19.20	5.46	5.22	0.13
16.65	5.20	4.96	0.19	19.25	5.46	5.22	0.13
16.70	5.21	4.97	0.19	19.30	5.47	5.23	0.13
16.75	5.21	4.98	0.19	19.35	5.47	5.23	0.13
16.80	5.22	4.98	0.18	19.40	5.48	5.24	0.13
16.85	5.23	4.99	0.18	19.45	5.48	5.24	0.13
16.90	5.23	4.99	0.18	19.50	5.48	5.25	0.13
16.95	5.24	5.00	0.18	19.55	5.49	5.25	0.13
17.00	5.24	5.01	0.18	19.60	5.49	5.25	0.13
17.05	5.25	5.01	0.18	19.65	5.50	5.26	0.13
17.10	5.25	5.02	0.17	19.70	5.50	5.26	0.12
17.15	5.26	5.02	0.17	19.75	5.50	5.27	0.12
17.20	5.27	5.03	0.17	19.80	5.51	5.27	0.12
17.25	5.27	5.03	0.17	19.85	5.51	5.28	0.12
17.30	5.28	5.04	0.17	19.90	5.52	5.28	0.12
17.35	5.28	5.05	0.16	19.95	5.52	5.28	0.12
17.40	5.29	5.05	0.16	20.00	5.53	5.29	0.12
17.45	5.29	5.06	0.16	20.05	5.53	5.29	0.12
17.50	5.30	5.06	0.16	20.10	5.53	5.30	0.12
17.55	5.30	5.07	0.16	20.15	5.54	5.30	0.12
17.60	5.31	5.07	0.16	20.20	5.54	5.30	0.12
17.65	5.31	5.08	0.15	20.25	5.55	5.31	0.12
17.70	5.32	5.08	0.15	20.30	5.55	5.31	0.12
17.75	5.33	5.09	0.15	20.35	5.55	5.32	0.12
17.80	5.33	5.09	0.15	20.40	5.56	5.32	0.12
17.85	5.34	5.10	0.15	20.45	5.56	5.32	0.12
17.90	5.34	5.10	0.15	20.50	5.57	5.33	0.12
17.95	5.34	5.11	0.14	20.55	5.57	5.33	0.12
18.00	5.35	5.11	0.14	20.60	5.57	5.34	0.12
18.05	5.35	5.12	0.14	20.65	5.58	5.34	0.12
18.10	5.36	5.12	0.14	20.70	5.58	5.34	0.12
18.15	5.36	5.13	0.14	20.75	5.59	5.35	0.12

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.12	23.40	5.77	5.53	0.09
20.85	5.59	5.36	0.11	23.45	5.78	5.54	0.09
20.90	5.60	5.36	0.11	23.50	5.78	5.54	0.09
20.95	5.60	5.36	0.11	23.55	5.78	5.54	0.09
21.00	5.61	5.37	0.11	23.60	5.78	5.55	0.09
21.05	5.61	5.37	0.11	23.65	5.79	5.55	0.09
21.10	5.61	5.37	0.11	23.70	5.79	5.55	0.09
21.15	5.62	5.38	0.11	23.75	5.79	5.56	0.09
21.20	5.62	5.38	0.11	23.80	5.80	5.56	0.09
21.25	5.62	5.39	0.11	23.85	5.80	5.56	0.09
21.30	5.63	5.39	0.11	23.90	5.80	5.56	0.09
21.35	5.63	5.39	0.11	23.95	5.81	5.57	0.09
21.40	5.64	5.40	0.11	24.00	**5.81**	**5.57**	0.11
21.45	5.64	5.40	0.11	24.05	5.81	5.57	0.08
21.50	5.64	5.40	0.11	24.10	5.81	5.57	0.02
21.55	5.65	5.41	0.11	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.11	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.11	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.11	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.11	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.11	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.11	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.11	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.11	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.10	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.10	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.10	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.10	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.10	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.10	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.10	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.10	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.10	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.10	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.10	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.10	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.10	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.10	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.10	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.10	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.10	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.10	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.10	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.10	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.10	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.10	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.10	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.10	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.09	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.09	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.09	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.09	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 13I: PDA-13 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 13P: PDA-13 (pervious)

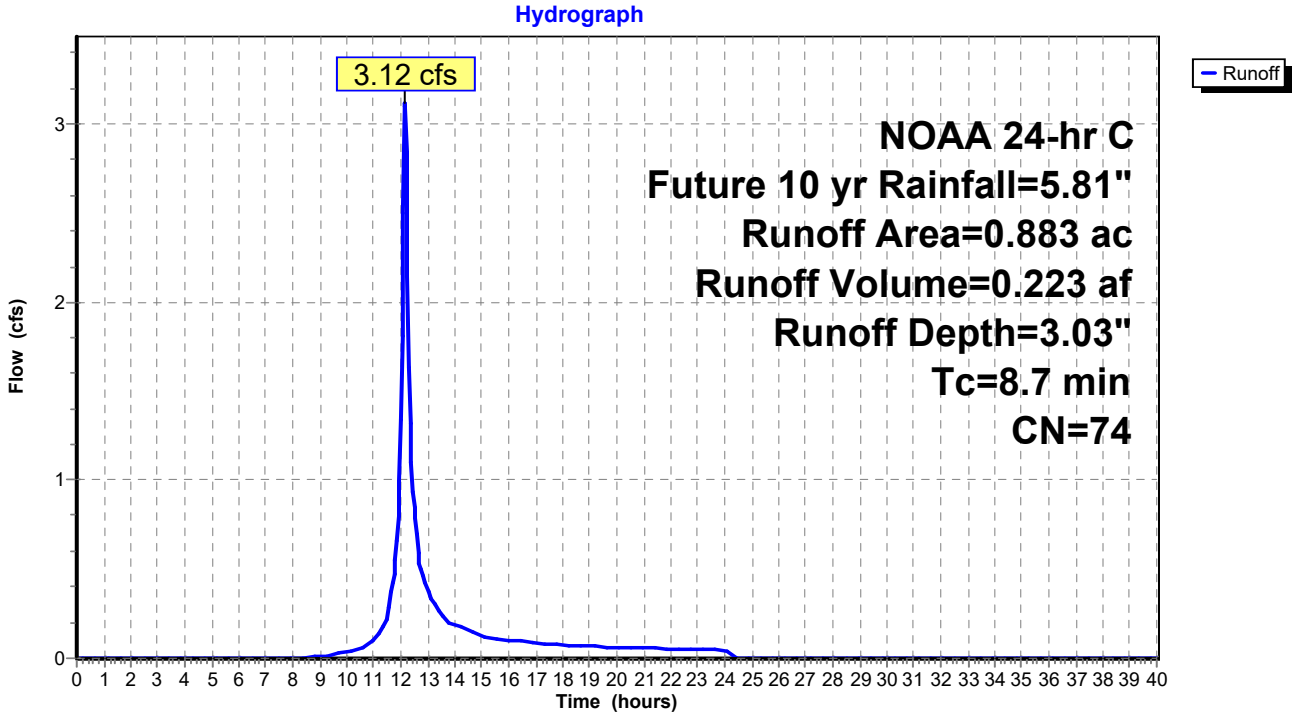
Runoff = 3.12 cfs @ 12.16 hrs, Volume= 0.223 af, Depth= 3.03"
Routed to Pond B-13 : Basin #13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.883	74	>75% Grass cover, Good, HSG C
0.883		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7					**Direct Entry,**

Subcatchment 13P: PDA-13 (pervious)



Hydrograph for Subcatchment 13P: PDA-13 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.05

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.05	13.00	4.42	1.91	0.39
10.45	1.18	0.06	0.05	13.05	4.44	1.93	0.37
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.35
10.55	1.21	0.06	0.06	13.15	4.48	1.96	0.33
10.60	1.23	0.07	0.06	13.20	4.50	1.98	0.31
10.65	1.25	0.07	0.07	13.25	4.52	1.99	0.30
10.70	1.27	0.08	0.07	13.30	4.54	2.01	0.29
10.75	1.29	0.08	0.08	13.35	4.56	2.02	0.28
10.80	1.31	0.09	0.08	13.40	4.58	2.03	0.27
10.85	1.33	0.09	0.09	13.45	4.60	2.05	0.26
10.90	1.35	0.10	0.09	13.50	4.61	2.06	0.24
10.95	1.37	0.11	0.10	13.55	4.63	2.07	0.23
11.00	1.39	0.11	0.11	13.60	4.64	2.08	0.22
11.05	1.42	0.12	0.12	13.65	4.66	2.09	0.21
11.10	1.45	0.13	0.13	13.70	4.67	2.10	0.21
11.15	1.48	0.14	0.14	13.75	4.68	2.12	0.20
11.20	1.51	0.15	0.15	13.80	4.70	2.13	0.20
11.25	1.54	0.16	0.16	13.85	4.71	2.14	0.19
11.30	1.57	0.17	0.18	13.90	4.72	2.15	0.19
11.35	1.61	0.18	0.19	13.95	4.74	2.16	0.19
11.40	1.64	0.20	0.21	14.00	4.75	2.17	0.19
11.45	1.68	0.21	0.22	14.05	4.76	2.18	0.18
11.50	1.72	0.23	0.24	14.10	4.78	2.19	0.18
11.55	1.78	0.25	0.26	14.15	4.79	2.20	0.18
11.60	1.83	0.28	0.31	14.20	4.80	2.21	0.17
11.65	1.90	0.30	0.38	14.25	4.81	2.21	0.17
11.70	1.96	0.33	0.42	14.30	4.82	2.22	0.17
11.75	2.04	0.37	0.47	14.35	4.83	2.23	0.17
11.80	2.13	0.41	0.55	14.40	4.85	2.24	0.16
11.85	2.25	0.47	0.66	14.45	4.86	2.25	0.16
11.90	2.36	0.53	0.80	14.50	4.87	2.26	0.16
11.95	2.57	0.65	1.00	14.55	4.88	2.27	0.15
12.00	2.77	0.77	1.34	14.60	4.89	2.27	0.15
12.05	3.11	0.98	1.81	14.65	4.90	2.28	0.15
12.10	3.45	1.20	2.50	14.70	4.91	2.29	0.14
12.15	3.56	1.28	**3.10**	14.75	4.92	2.30	0.14
12.20	3.68	1.37	2.84	14.80	4.93	2.31	0.14
12.25	3.77	1.43	2.14	14.85	4.94	2.31	0.14
12.30	3.85	1.49	1.64	14.90	4.94	2.32	0.13
12.35	3.91	1.53	1.32	14.95	4.95	2.33	0.13
12.40	3.98	1.58	1.10	15.00	4.96	2.33	0.13
12.45	4.03	1.62	0.94	15.05	4.97	2.34	0.12
12.50	4.09	1.67	0.85	15.10	4.98	2.35	0.12
12.55	4.13	1.69	0.79	15.15	4.99	2.35	0.12
12.60	4.17	1.72	0.70	15.20	4.99	2.36	0.12
12.65	4.20	1.75	0.59	15.25	5.00	2.37	0.11
12.70	4.24	1.77	0.53	15.30	5.01	2.37	0.11
12.75	4.27	1.80	0.50	15.35	5.02	2.38	0.11
12.80	4.30	1.82	0.47	15.40	5.03	2.38	0.11
12.85	4.33	1.85	0.45	15.45	5.03	2.39	0.11
12.90	4.36	1.87	0.43	15.50	5.04	2.40	0.11
12.95	4.39	1.89	0.41	15.55	5.05	2.40	0.11

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.11	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.11	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.11	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.11	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.11	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.11	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.10	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.10	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.10	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.10	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.10	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.10	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.10	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.10	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.10	18.95	5.44	2.72	0.06
16.40	5.17	2.50	0.10	19.00	5.44	2.72	0.06
16.45	5.17	2.50	0.10	19.05	5.44	2.72	0.06
16.50	5.18	2.51	0.10	19.10	5.45	2.73	0.06
16.55	5.19	2.52	0.09	19.15	5.45	2.73	0.06
16.60	5.19	2.52	0.09	19.20	5.46	2.73	0.06
16.65	5.20	2.53	0.09	19.25	5.46	2.74	0.06
16.70	5.21	2.53	0.09	19.30	5.47	2.74	0.06
16.75	5.21	2.54	0.09	19.35	5.47	2.75	0.06
16.80	5.22	2.54	0.09	19.40	5.48	2.75	0.06
16.85	5.23	2.55	0.09	19.45	5.48	2.75	0.06
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.06
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.06
17.00	5.24	2.56	0.09	19.60	5.49	2.76	0.06
17.05	5.25	2.56	0.09	19.65	5.50	2.77	0.06
17.10	5.25	2.57	0.09	19.70	5.50	2.77	0.06
17.15	5.26	2.57	0.08	19.75	5.50	2.77	0.06
17.20	5.27	2.58	0.08	19.80	5.51	2.78	0.06
17.25	5.27	2.58	0.08	19.85	5.51	2.78	0.06
17.30	5.28	2.59	0.08	19.90	5.52	2.78	0.06
17.35	5.28	2.59	0.08	19.95	5.52	2.79	0.06
17.40	5.29	2.60	0.08	20.00	5.53	2.79	0.06
17.45	5.29	2.60	0.08	20.05	5.53	2.79	0.06
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.06
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.08	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.07	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.07	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.07	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.07	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.07	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.07	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.04
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.05
21.50	5.64	2.89	0.05	24.10	5.81	3.03	0.04
21.55	5.65	2.89	0.05	24.15	5.81	3.03	0.02
21.60	5.65	2.89	0.05	24.20	5.81	3.03	0.01
21.65	5.65	2.90	0.05	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.05	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.05	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.05	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.05	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.05	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.05	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.05	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.05	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.05	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.05	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.05	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.05	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.05	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 13P: PDA-13 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 14l: PDA-14 (impervious)

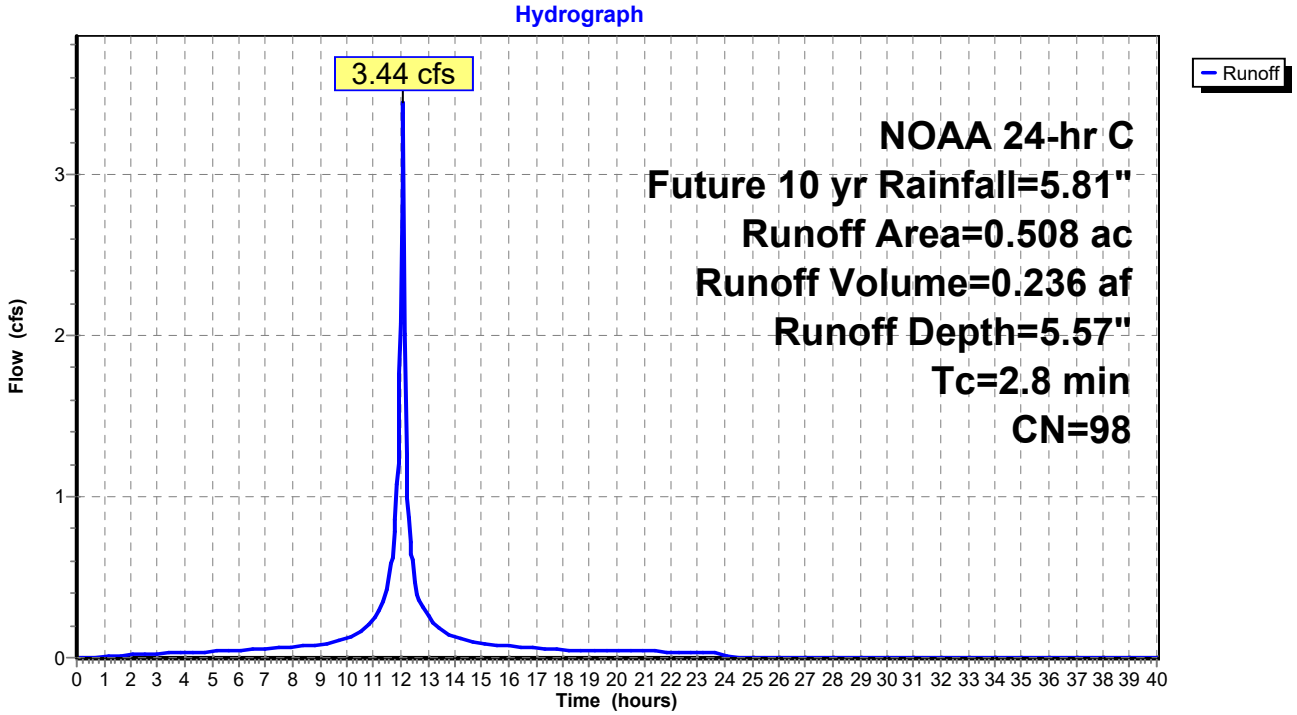
Runoff = 3.44 cfs @ 12.09 hrs, Volume= 0.236 af, Depth= 5.57"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.308	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.508	98	Weighted Average
	0.508		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 14l: PDA-14 (impervious)



Hydrograph for Subcatchment 14I: PDA-14 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.03
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.03
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.04
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.04
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.04
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.04
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.04
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.04
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.04
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.04
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.04
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.04
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.04
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.04
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.04
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.04
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.04

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.04	7.80	0.67	0.47	0.06
5.25	0.39	0.22	0.04	7.85	0.68	0.48	0.07
5.30	0.40	0.23	0.04	7.90	0.68	0.49	0.07
5.35	0.40	0.23	0.04	7.95	0.69	0.49	0.07
5.40	0.41	0.23	0.04	8.00	0.70	0.50	0.07
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.07
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.07
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.07
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.07
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.07
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.07
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.07
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.07
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.07
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.07
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.07
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.07
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.08
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.08
6.15	0.47	0.30	0.04	8.75	0.81	0.61	0.08
6.20	0.48	0.30	0.05	8.80	0.82	0.61	0.08
6.25	0.48	0.30	0.05	8.85	0.82	0.62	0.08
6.30	0.49	0.31	0.05	8.90	0.83	0.63	0.08
6.35	0.50	0.31	0.05	8.95	0.84	0.64	0.08
6.40	0.50	0.32	0.05	9.00	0.85	0.64	0.08
6.45	0.51	0.32	0.05	9.05	0.86	0.65	0.08
6.50	0.51	0.33	0.05	9.10	0.87	0.66	0.08
6.55	0.52	0.33	0.05	9.15	0.87	0.67	0.09
6.60	0.52	0.34	0.05	9.20	0.88	0.68	0.09
6.65	0.53	0.34	0.05	9.25	0.89	0.69	0.09
6.70	0.53	0.35	0.05	9.30	0.90	0.70	0.09
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.10
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.10
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.10
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.10
6.95	0.56	0.37	0.05	9.55	0.95	0.75	0.11
7.00	0.57	0.38	0.06	9.60	0.96	0.76	0.11
7.05	0.57	0.38	0.06	9.65	0.98	0.77	0.11
7.10	0.58	0.39	0.06	9.70	0.99	0.78	0.11
7.15	0.58	0.40	0.06	9.75	1.00	0.79	0.11
7.20	0.59	0.40	0.06	9.80	1.01	0.80	0.12
7.25	0.60	0.41	0.06	9.85	1.02	0.81	0.12
7.30	0.60	0.41	0.06	9.90	1.03	0.82	0.12
7.35	0.61	0.42	0.06	9.95	1.05	0.84	0.12
7.40	0.62	0.42	0.06	10.00	1.06	0.85	0.12
7.45	0.62	0.43	0.06	10.05	1.07	0.86	0.13
7.50	0.63	0.44	0.06	10.10	1.09	0.87	0.13
7.55	0.64	0.44	0.06	10.15	1.10	0.89	0.13
7.60	0.64	0.45	0.06	10.20	1.11	0.90	0.13
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.14
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.14
7.75	0.66	0.47	0.06	10.35	1.15	0.94	0.14

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.14	13.00	4.42	4.18	0.27
10.45	1.18	0.97	0.15	13.05	4.44	4.20	0.25
10.50	1.20	0.98	0.15	13.10	4.46	4.23	0.24
10.55	1.21	1.00	0.16	13.15	4.48	4.25	0.22
10.60	1.23	1.02	0.16	13.20	4.50	4.27	0.22
10.65	1.25	1.03	0.17	13.25	4.52	4.29	0.21
10.70	1.27	1.05	0.18	13.30	4.54	4.31	0.20
10.75	1.29	1.07	0.19	13.35	4.56	4.33	0.19
10.80	1.31	1.09	0.20	13.40	4.58	4.34	0.18
10.85	1.33	1.11	0.21	13.45	4.60	4.36	0.17
10.90	1.35	1.13	0.21	13.50	4.61	4.38	0.17
10.95	1.37	1.15	0.23	13.55	4.63	4.39	0.16
11.00	1.39	1.18	0.23	13.60	4.64	4.41	0.15
11.05	1.42	1.20	0.25	13.65	4.66	4.42	0.15
11.10	1.45	1.23	0.26	13.70	4.67	4.43	0.15
11.15	1.48	1.26	0.28	13.75	4.68	4.45	0.14
11.20	1.51	1.29	0.30	13.80	4.70	4.46	0.14
11.25	1.54	1.32	0.32	13.85	4.71	4.48	0.14
11.30	1.57	1.35	0.33	13.90	4.72	4.49	0.14
11.35	1.61	1.38	0.35	13.95	4.74	4.50	0.13
11.40	1.64	1.42	0.36	14.00	4.75	4.51	0.13
11.45	1.68	1.46	0.37	14.05	4.76	4.53	0.13
11.50	1.72	1.49	0.39	14.10	4.78	4.54	0.13
11.55	1.78	1.55	0.52	14.15	4.79	4.55	0.13
11.60	1.83	1.61	0.59	14.20	4.80	4.56	0.12
11.65	1.90	1.67	0.62	14.25	4.81	4.57	0.12
11.70	1.96	1.73	0.63	14.30	4.82	4.59	0.12
11.75	2.04	1.82	0.78	14.35	4.83	4.60	0.12
11.80	2.13	1.90	0.86	14.40	4.85	4.61	0.11
11.85	2.25	2.02	1.08	14.45	4.86	4.62	0.11
11.90	2.36	2.13	1.21	14.50	4.87	4.63	0.11
11.95	2.57	2.34	1.76	14.55	4.88	4.64	0.11
12.00	2.77	2.54	2.07	14.60	4.89	4.65	0.11
12.05	3.11	2.88	2.96	14.65	4.90	4.66	0.10
12.10	3.45	3.21	**3.38**	14.70	4.91	4.67	0.10
12.15	3.56	3.33	2.01	14.75	4.92	4.68	0.10
12.20	3.68	3.45	1.26	14.80	4.93	4.69	0.10
12.25	3.77	3.53	0.99	14.85	4.94	4.70	0.09
12.30	3.85	3.62	0.87	14.90	4.94	4.71	0.09
12.35	3.91	3.68	0.72	14.95	4.95	4.72	0.09
12.40	3.98	3.74	0.64	15.00	4.96	4.72	0.09
12.45	4.03	3.80	0.61	15.05	4.97	4.73	0.08
12.50	4.09	3.86	0.60	15.10	4.98	4.74	0.08
12.55	4.13	3.90	0.46	15.15	4.99	4.75	0.08
12.60	4.17	3.93	0.39	15.20	4.99	4.76	0.08
12.65	4.20	3.97	0.37	15.25	5.00	4.76	0.08
12.70	4.24	4.00	0.36	15.30	5.01	4.77	0.08
12.75	4.27	4.04	0.34	15.35	5.02	4.78	0.08
12.80	4.30	4.07	0.33	15.40	5.03	4.79	0.08
12.85	4.33	4.10	0.31	15.45	5.03	4.80	0.08
12.90	4.36	4.13	0.30	15.50	5.04	4.80	0.08
12.95	4.39	4.15	0.28	15.55	5.05	4.81	0.08

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.08	18.20	5.37	5.13	0.05
15.65	5.06	4.83	0.08	18.25	5.37	5.14	0.05
15.70	5.07	4.83	0.08	18.30	5.38	5.14	0.05
15.75	5.08	4.84	0.08	18.35	5.38	5.14	0.05
15.80	5.09	4.85	0.07	18.40	5.39	5.15	0.05
15.85	5.09	4.86	0.07	18.45	5.39	5.15	0.05
15.90	5.10	4.86	0.07	18.50	5.40	5.16	0.05
15.95	5.11	4.87	0.07	18.55	5.40	5.16	0.05
16.00	5.11	4.88	0.07	18.60	5.40	5.17	0.05
16.05	5.12	4.88	0.07	18.65	5.41	5.17	0.05
16.10	5.13	4.89	0.07	18.70	5.41	5.18	0.05
16.15	5.13	4.90	0.07	18.75	5.42	5.18	0.05
16.20	5.14	4.90	0.07	18.80	5.42	5.19	0.05
16.25	5.15	4.91	0.07	18.85	5.43	5.19	0.05
16.30	5.16	4.92	0.07	18.90	5.43	5.19	0.05
16.35	5.16	4.92	0.07	18.95	5.44	5.20	0.05
16.40	5.17	4.93	0.07	19.00	5.44	5.20	0.05
16.45	5.17	4.94	0.07	19.05	5.44	5.21	0.04
16.50	5.18	4.94	0.07	19.10	5.45	5.21	0.04
16.55	5.19	4.95	0.07	19.15	5.45	5.22	0.04
16.60	5.19	4.96	0.07	19.20	5.46	5.22	0.04
16.65	5.20	4.96	0.06	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.06	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.06	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.06	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.06	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.06	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.06	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.06	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.06	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.06	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.06	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.06	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.06	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.06	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.06	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.06	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.06	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.05	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.05	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.05	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.05	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.05	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.05	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.05	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.05	20.65	5.58	5.34	0.04
18.10	5.36	5.12	0.05	20.70	5.58	5.34	0.04
18.15	5.36	5.13	0.05	20.75	5.59	5.35	0.04

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.04	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.04	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.04	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.04	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.04	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.04	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.04	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.04	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.04	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.04	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.04	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.04	23.95	5.81	5.57	0.04
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.04
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.04	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.04	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.04	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.04	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.04	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.04	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.04	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.04	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.04	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.04	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.04	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.04	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.04	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.04	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.04	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.04	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.04	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.04	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.04	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.03	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.03	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.03	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.03	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 14I: PDA-14 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 14P: PDA-14 (pervious)

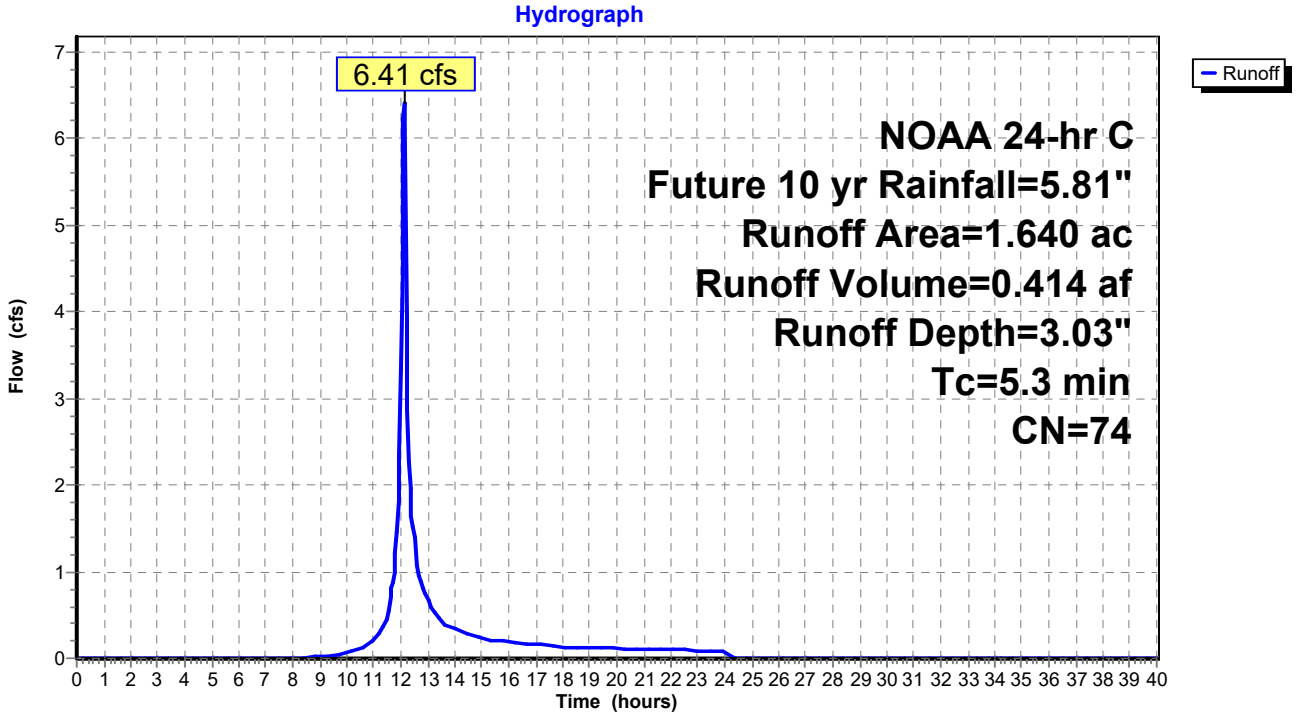
Runoff = 6.41 cfs @ 12.12 hrs, Volume= 0.414 af, Depth= 3.03"
Routed to Pond B-14 : Basin #14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.640	74	>75% Grass cover, Good, HSG C
1.640		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3					**Direct Entry,**

Subcatchment 14P: PDA-14 (pervious)



Hydrograph for Subcatchment 14P: PDA-14 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.02
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.02
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.03
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.04
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.04
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.05
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.05
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.05
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.06
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.06
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.06
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.07
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.07
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.08
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.08
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.08
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.09
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.09
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.09

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.10	13.00	4.42	1.91	0.68
10.45	1.18	0.06	0.10	13.05	4.44	1.93	0.65
10.50	1.20	0.06	0.11	13.10	4.46	1.94	0.60
10.55	1.21	0.06	0.11	13.15	4.48	1.96	0.58
10.60	1.23	0.07	0.12	13.20	4.50	1.98	0.55
10.65	1.25	0.07	0.13	13.25	4.52	1.99	0.54
10.70	1.27	0.08	0.14	13.30	4.54	2.01	0.51
10.75	1.29	0.08	0.15	13.35	4.56	2.02	0.50
10.80	1.31	0.09	0.17	13.40	4.58	2.03	0.47
10.85	1.33	0.09	0.18	13.45	4.60	2.05	0.45
10.90	1.35	0.10	0.19	13.50	4.61	2.06	0.43
10.95	1.37	0.11	0.20	13.55	4.63	2.07	0.41
11.00	1.39	0.11	0.22	13.60	4.64	2.08	0.39
11.05	1.42	0.12	0.23	13.65	4.66	2.09	0.38
11.10	1.45	0.13	0.26	13.70	4.67	2.10	0.37
11.15	1.48	0.14	0.28	13.75	4.68	2.12	0.37
11.20	1.51	0.15	0.30	13.80	4.70	2.13	0.36
11.25	1.54	0.16	0.33	13.85	4.71	2.14	0.35
11.30	1.57	0.17	0.36	13.90	4.72	2.15	0.35
11.35	1.61	0.18	0.38	13.95	4.74	2.16	0.34
11.40	1.64	0.20	0.41	14.00	4.75	2.17	0.34
11.45	1.68	0.21	0.44	14.05	4.76	2.18	0.33
11.50	1.72	0.23	0.47	14.10	4.78	2.19	0.33
11.55	1.78	0.25	0.55	14.15	4.79	2.20	0.32
11.60	1.83	0.28	0.71	14.20	4.80	2.21	0.32
11.65	1.90	0.30	0.80	14.25	4.81	2.21	0.31
11.70	1.96	0.33	0.87	14.30	4.82	2.22	0.31
11.75	2.04	0.37	0.99	14.35	4.83	2.23	0.30
11.80	2.13	0.41	1.21	14.40	4.85	2.24	0.29
11.85	2.25	0.47	1.45	14.45	4.86	2.25	0.29
11.90	2.36	0.53	1.82	14.50	4.87	2.26	0.28
11.95	2.57	0.65	2.35	14.55	4.88	2.27	0.28
12.00	2.77	0.77	3.31	14.60	4.89	2.27	0.27
12.05	3.11	0.98	4.43	14.65	4.90	2.28	0.27
12.10	3.45	1.20	**6.23**	14.70	4.91	2.29	0.26
12.15	3.56	1.28	6.10	14.75	4.92	2.30	0.26
12.20	3.68	1.37	3.94	14.80	4.93	2.31	0.25
12.25	3.77	1.43	2.87	14.85	4.94	2.31	0.25
12.30	3.85	1.49	2.27	14.90	4.94	2.32	0.24
12.35	3.91	1.53	1.96	14.95	4.95	2.33	0.23
12.40	3.98	1.58	1.64	15.00	4.96	2.33	0.23
12.45	4.03	1.62	1.51	15.05	4.97	2.34	0.22
12.50	4.09	1.67	1.45	15.10	4.98	2.35	0.22
12.55	4.13	1.69	1.33	15.15	4.99	2.35	0.21
12.60	4.17	1.72	1.07	15.20	4.99	2.36	0.21
12.65	4.20	1.75	0.96	15.25	5.00	2.37	0.21
12.70	4.24	1.77	0.90	15.30	5.01	2.37	0.21
12.75	4.27	1.80	0.87	15.35	5.02	2.38	0.21
12.80	4.30	1.82	0.83	15.40	5.03	2.38	0.21
12.85	4.33	1.85	0.80	15.45	5.03	2.39	0.21
12.90	4.36	1.87	0.76	15.50	5.04	2.40	0.20
12.95	4.39	1.89	0.72	15.55	5.05	2.40	0.20

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.20	18.20	5.37	2.66	0.13
15.65	5.06	2.41	0.20	18.25	5.37	2.67	0.13
15.70	5.07	2.42	0.20	18.30	5.38	2.67	0.12
15.75	5.08	2.43	0.20	18.35	5.38	2.67	0.12
15.80	5.09	2.43	0.19	18.40	5.39	2.68	0.12
15.85	5.09	2.44	0.19	18.45	5.39	2.68	0.12
15.90	5.10	2.44	0.19	18.50	5.40	2.68	0.12
15.95	5.11	2.45	0.19	18.55	5.40	2.69	0.12
16.00	5.11	2.46	0.19	18.60	5.40	2.69	0.12
16.05	5.12	2.46	0.19	18.65	5.41	2.69	0.12
16.10	5.13	2.47	0.19	18.70	5.41	2.70	0.12
16.15	5.13	2.47	0.19	18.75	5.42	2.70	0.12
16.20	5.14	2.48	0.18	18.80	5.42	2.71	0.12
16.25	5.15	2.48	0.18	18.85	5.43	2.71	0.12
16.30	5.16	2.49	0.18	18.90	5.43	2.71	0.12
16.35	5.16	2.49	0.18	18.95	5.44	2.72	0.12
16.40	5.17	2.50	0.18	19.00	5.44	2.72	0.12
16.45	5.17	2.50	0.18	19.05	5.44	2.72	0.12
16.50	5.18	2.51	0.17	19.10	5.45	2.73	0.12
16.55	5.19	2.52	0.17	19.15	5.45	2.73	0.12
16.60	5.19	2.52	0.17	19.20	5.46	2.73	0.12
16.65	5.20	2.53	0.17	19.25	5.46	2.74	0.12
16.70	5.21	2.53	0.17	19.30	5.47	2.74	0.12
16.75	5.21	2.54	0.17	19.35	5.47	2.75	0.12
16.80	5.22	2.54	0.17	19.40	5.48	2.75	0.12
16.85	5.23	2.55	0.16	19.45	5.48	2.75	0.12
16.90	5.23	2.55	0.16	19.50	5.48	2.76	0.12
16.95	5.24	2.55	0.16	19.55	5.49	2.76	0.12
17.00	5.24	2.56	0.16	19.60	5.49	2.76	0.12
17.05	5.25	2.56	0.16	19.65	5.50	2.77	0.12
17.10	5.25	2.57	0.16	19.70	5.50	2.77	0.11
17.15	5.26	2.57	0.16	19.75	5.50	2.77	0.11
17.20	5.27	2.58	0.15	19.80	5.51	2.78	0.11
17.25	5.27	2.58	0.15	19.85	5.51	2.78	0.11
17.30	5.28	2.59	0.15	19.90	5.52	2.78	0.11
17.35	5.28	2.59	0.15	19.95	5.52	2.79	0.11
17.40	5.29	2.60	0.15	20.00	5.53	2.79	0.11
17.45	5.29	2.60	0.15	20.05	5.53	2.79	0.11
17.50	5.30	2.61	0.15	20.10	5.53	2.80	0.11
17.55	5.30	2.61	0.14	20.15	5.54	2.80	0.11
17.60	5.31	2.61	0.14	20.20	5.54	2.80	0.11
17.65	5.31	2.62	0.14	20.25	5.55	2.81	0.11
17.70	5.32	2.62	0.14	20.30	5.55	2.81	0.11
17.75	5.33	2.63	0.14	20.35	5.55	2.81	0.11
17.80	5.33	2.63	0.14	20.40	5.56	2.82	0.11
17.85	5.34	2.63	0.13	20.45	5.56	2.82	0.11
17.90	5.34	2.64	0.13	20.50	5.57	2.82	0.11
17.95	5.34	2.64	0.13	20.55	5.57	2.83	0.11
18.00	5.35	2.65	0.13	20.60	5.57	2.83	0.11
18.05	5.35	2.65	0.13	20.65	5.58	2.83	0.11
18.10	5.36	2.65	0.13	20.70	5.58	2.84	0.11
18.15	5.36	2.66	0.13	20.75	5.59	2.84	0.11

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.11	23.40	5.77	2.99	0.09
20.85	5.59	2.85	0.11	23.45	5.78	3.00	0.09
20.90	5.60	2.85	0.11	23.50	5.78	3.00	0.09
20.95	5.60	2.85	0.11	23.55	5.78	3.00	0.09
21.00	5.61	2.86	0.10	23.60	5.78	3.00	0.09
21.05	5.61	2.86	0.10	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.10	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.10	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.10	23.80	5.80	3.01	0.08
21.25	5.62	2.87	0.10	23.85	5.80	3.02	0.08
21.30	5.63	2.87	0.10	23.90	5.80	3.02	0.08
21.35	5.63	2.88	0.10	23.95	5.81	3.02	0.09
21.40	5.64	2.88	0.10	24.00	**5.81**	**3.03**	0.10
21.45	5.64	2.88	0.10	24.05	5.81	3.03	0.08
21.50	5.64	2.89	0.10	24.10	5.81	3.03	0.03
21.55	5.65	2.89	0.10	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.10	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.10	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.10	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.10	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.10	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.10	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.10	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.10	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.10	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.10	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.10	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.10	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.10	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.10	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.10	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.09	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.09	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.09	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.09	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.09	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.09	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.09	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.09	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.09	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.09	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.09	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.09	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.09	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.09	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.09	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.09	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.09	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.09	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.09	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.09	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.09	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 14P: PDA-14 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 15l: PDA-15 (impervious)

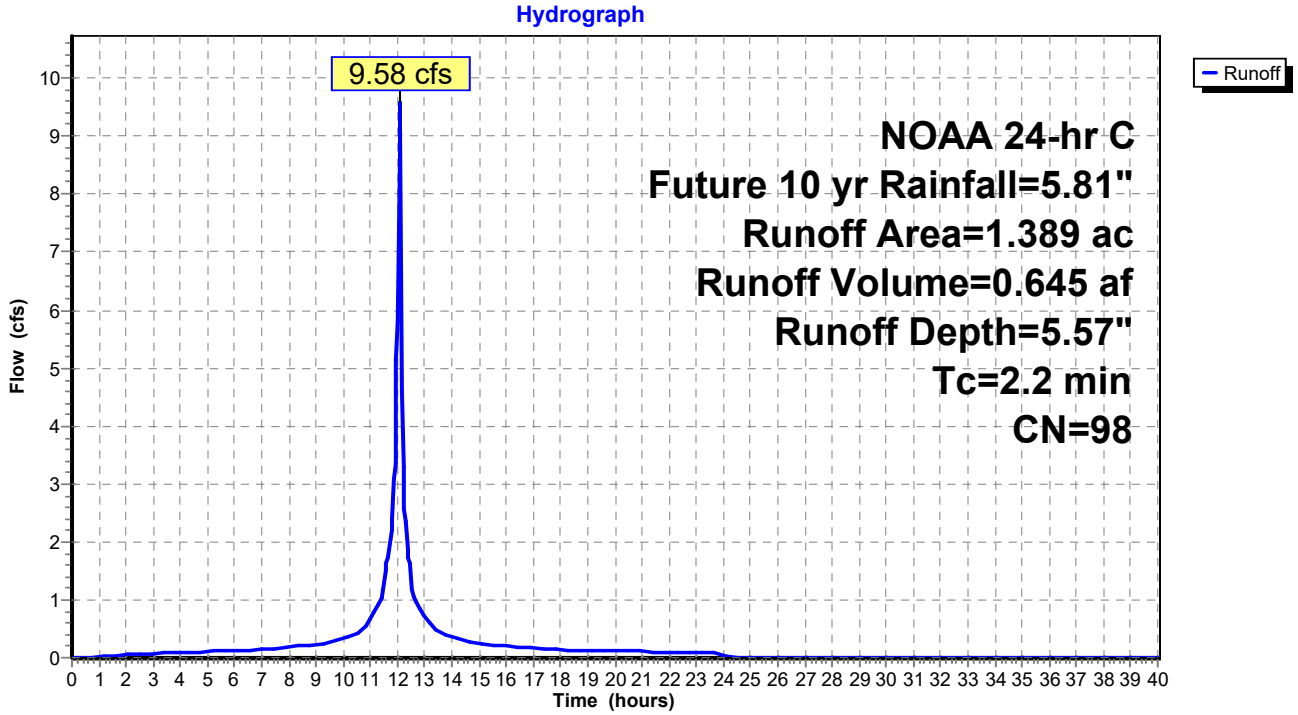
Runoff = 9.58 cfs @ 12.08 hrs, Volume= 0.645 af, Depth= 5.57"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.501	98	Pavement, HSG C
*	0.836	98	Roof, HSG C
*	0.052	98	Concrete, HSG C
	1.389	98	Weighted Average
	1.389		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.2					**Direct Entry,**

Subcatchment 15l: PDA-15 (impervious)



Hydrograph for Subcatchment 15I: PDA-15 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.07
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.07
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.07
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.07
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.07
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.07
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.07
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.07
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.07
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.07
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.08
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.08
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.08
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.08
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.08
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.08
0.80	0.05	0.00	0.01	3.40	0.24	0.10	0.08
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.08
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.08
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.08
1.00	0.06	0.00	0.02	3.60	0.25	0.11	0.08
1.05	0.07	0.00	0.02	3.65	0.26	0.11	0.09
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.09
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.09
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.09
1.25	0.08	0.01	0.03	3.85	0.27	0.12	0.09
1.30	0.08	0.01	0.03	3.90	0.28	0.13	0.09
1.35	0.09	0.01	0.03	3.95	0.28	0.13	0.09
1.40	0.09	0.01	0.03	4.00	0.28	0.13	0.09
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.09
1.50	0.10	0.01	0.04	4.10	0.29	0.14	0.09
1.55	0.10	0.01	0.04	4.15	0.30	0.14	0.09
1.60	0.10	0.01	0.04	4.20	0.30	0.15	0.09
1.65	0.11	0.02	0.04	4.25	0.31	0.15	0.10
1.70	0.11	0.02	0.04	4.30	0.31	0.15	0.10
1.75	0.11	0.02	0.04	4.35	0.31	0.16	0.10
1.80	0.12	0.02	0.04	4.40	0.32	0.16	0.10
1.85	0.12	0.02	0.05	4.45	0.32	0.16	0.10
1.90	0.12	0.02	0.05	4.50	0.33	0.17	0.10
1.95	0.13	0.03	0.05	4.55	0.33	0.17	0.10
2.00	0.13	0.03	0.05	4.60	0.33	0.17	0.10
2.05	0.13	0.03	0.05	4.65	0.34	0.18	0.10
2.10	0.14	0.03	0.05	4.70	0.34	0.18	0.10
2.15	0.14	0.03	0.05	4.75	0.35	0.18	0.10
2.20	0.15	0.04	0.06	4.80	0.35	0.19	0.10
2.25	0.15	0.04	0.06	4.85	0.36	0.19	0.10
2.30	0.15	0.04	0.06	4.90	0.36	0.20	0.10
2.35	0.16	0.04	0.06	4.95	0.37	0.20	0.10
2.40	0.16	0.04	0.06	5.00	0.37	0.20	0.10
2.45	0.16	0.05	0.06	5.05	0.37	0.21	0.11
2.50	0.17	0.05	0.06	5.10	0.38	0.21	0.11
2.55	0.17	0.05	0.06	5.15	0.38	0.21	0.11

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.11	7.80	0.67	0.47	0.18
5.25	0.39	0.22	0.11	7.85	0.68	0.48	0.18
5.30	0.40	0.23	0.11	7.90	0.68	0.49	0.18
5.35	0.40	0.23	0.11	7.95	0.69	0.49	0.18
5.40	0.41	0.23	0.11	8.00	0.70	0.50	0.19
5.45	0.41	0.24	0.11	8.05	0.70	0.51	0.19
5.50	0.41	0.24	0.11	8.10	0.71	0.51	0.19
5.55	0.42	0.25	0.11	8.15	0.72	0.52	0.19
5.60	0.42	0.25	0.11	8.20	0.72	0.53	0.19
5.65	0.43	0.25	0.11	8.25	0.73	0.53	0.19
5.70	0.43	0.26	0.11	8.30	0.74	0.54	0.19
5.75	0.44	0.26	0.11	8.35	0.75	0.55	0.20
5.80	0.44	0.27	0.11	8.40	0.75	0.55	0.20
5.85	0.45	0.27	0.12	8.45	0.76	0.56	0.20
5.90	0.45	0.27	0.12	8.50	0.77	0.57	0.20
5.95	0.46	0.28	0.12	8.55	0.78	0.58	0.20
6.00	0.46	0.28	0.12	8.60	0.78	0.58	0.20
6.05	0.47	0.29	0.12	8.65	0.79	0.59	0.21
6.10	0.47	0.29	0.12	8.70	0.80	0.60	0.21
6.15	0.47	0.30	0.12	8.75	0.81	0.61	0.21
6.20	0.48	0.30	0.12	8.80	0.82	0.61	0.21
6.25	0.48	0.30	0.13	8.85	0.82	0.62	0.21
6.30	0.49	0.31	0.13	8.90	0.83	0.63	0.22
6.35	0.50	0.31	0.13	8.95	0.84	0.64	0.22
6.40	0.50	0.32	0.13	9.00	0.85	0.64	0.22
6.45	0.51	0.32	0.13	9.05	0.86	0.65	0.23
6.50	0.51	0.33	0.13	9.10	0.87	0.66	0.23
6.55	0.52	0.33	0.14	9.15	0.87	0.67	0.24
6.60	0.52	0.34	0.14	9.20	0.88	0.68	0.24
6.65	0.53	0.34	0.14	9.25	0.89	0.69	0.25
6.70	0.53	0.35	0.14	9.30	0.90	0.70	0.26
6.75	0.54	0.35	0.14	9.35	0.91	0.71	0.26
6.80	0.54	0.36	0.14	9.40	0.92	0.72	0.27
6.85	0.55	0.36	0.15	9.45	0.93	0.73	0.28
6.90	0.56	0.37	0.15	9.50	0.94	0.74	0.28
6.95	0.56	0.37	0.15	9.55	0.95	0.75	0.29
7.00	0.57	0.38	0.15	9.60	0.96	0.76	0.29
7.05	0.57	0.38	0.15	9.65	0.98	0.77	0.30
7.10	0.58	0.39	0.15	9.70	0.99	0.78	0.30
7.15	0.58	0.40	0.16	9.75	1.00	0.79	0.31
7.20	0.59	0.40	0.16	9.80	1.01	0.80	0.32
7.25	0.60	0.41	0.16	9.85	1.02	0.81	0.33
7.30	0.60	0.41	0.16	9.90	1.03	0.82	0.33
7.35	0.61	0.42	0.16	9.95	1.05	0.84	0.34
7.40	0.62	0.42	0.16	10.00	1.06	0.85	0.34
7.45	0.62	0.43	0.17	10.05	1.07	0.86	0.35
7.50	0.63	0.44	0.17	10.10	1.09	0.87	0.35
7.55	0.64	0.44	0.17	10.15	1.10	0.89	0.36
7.60	0.64	0.45	0.17	10.20	1.11	0.90	0.37
7.65	0.65	0.45	0.17	10.25	1.13	0.91	0.37
7.70	0.65	0.46	0.17	10.30	1.14	0.93	0.38
7.75	0.66	0.47	0.18	10.35	1.15	0.94	0.39

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.39	13.00	4.42	4.18	0.73
10.45	1.18	0.97	0.40	13.05	4.44	4.20	0.66
10.50	1.20	0.98	0.40	13.10	4.46	4.23	0.64
10.55	1.21	1.00	0.44	13.15	4.48	4.25	0.61
10.60	1.23	1.02	0.45	13.20	4.50	4.27	0.60
10.65	1.25	1.03	0.48	13.25	4.52	4.29	0.56
10.70	1.27	1.05	0.50	13.30	4.54	4.31	0.55
10.75	1.29	1.07	0.53	13.35	4.56	4.33	0.51
10.80	1.31	1.09	0.54	13.40	4.58	4.34	0.50
10.85	1.33	1.11	0.58	13.45	4.60	4.36	0.47
10.90	1.35	1.13	0.59	13.50	4.61	4.38	0.46
10.95	1.37	1.15	0.62	13.55	4.63	4.39	0.42
11.00	1.39	1.18	0.64	13.60	4.64	4.41	0.41
11.05	1.42	1.20	0.70	13.65	4.66	4.42	0.40
11.10	1.45	1.23	0.72	13.70	4.67	4.43	0.40
11.15	1.48	1.26	0.79	13.75	4.68	4.45	0.39
11.20	1.51	1.29	0.81	13.80	4.70	4.46	0.39
11.25	1.54	1.32	0.88	13.85	4.71	4.48	0.38
11.30	1.57	1.35	0.90	13.90	4.72	4.49	0.37
11.35	1.61	1.38	0.96	13.95	4.74	4.50	0.36
11.40	1.64	1.42	0.98	14.00	4.75	4.51	0.36
11.45	1.68	1.46	1.03	14.05	4.76	4.53	0.35
11.50	1.72	1.49	1.07	14.10	4.78	4.54	0.35
11.55	1.78	1.55	1.50	14.15	4.79	4.55	0.34
11.60	1.83	1.61	1.63	14.20	4.80	4.56	0.34
11.65	1.90	1.67	1.70	14.25	4.81	4.57	0.33
11.70	1.96	1.73	1.74	14.30	4.82	4.59	0.32
11.75	2.04	1.82	2.22	14.35	4.83	4.60	0.32
11.80	2.13	1.90	2.39	14.40	4.85	4.61	0.31
11.85	2.25	2.02	3.07	14.45	4.86	4.62	0.30
11.90	2.36	2.13	3.36	14.50	4.87	4.63	0.30
11.95	2.57	2.34	5.14	14.55	4.88	4.64	0.29
12.00	2.77	2.54	5.80	14.60	4.89	4.65	0.29
12.05	3.11	2.88	8.64	14.65	4.90	4.66	0.28
12.10	3.45	3.21	**9.19**	14.70	4.91	4.67	0.28
12.15	3.56	3.33	4.61	14.75	4.92	4.68	0.27
12.20	3.68	3.45	3.29	14.80	4.93	4.69	0.26
12.25	3.77	3.53	2.57	14.85	4.94	4.70	0.25
12.30	3.85	3.62	2.35	14.90	4.94	4.71	0.25
12.35	3.91	3.68	1.86	14.95	4.95	4.72	0.24
12.40	3.98	3.74	1.73	15.00	4.96	4.72	0.24
12.45	4.03	3.80	1.66	15.05	4.97	4.73	0.23
12.50	4.09	3.86	1.62	15.10	4.98	4.74	0.23
12.55	4.13	3.90	1.18	15.15	4.99	4.75	0.23
12.60	4.17	3.93	1.06	15.20	4.99	4.76	0.22
12.65	4.20	3.97	1.01	15.25	5.00	4.76	0.22
12.70	4.24	4.00	0.99	15.30	5.01	4.77	0.22
12.75	4.27	4.04	0.92	15.35	5.02	4.78	0.22
12.80	4.30	4.07	0.90	15.40	5.03	4.79	0.22
12.85	4.33	4.10	0.84	15.45	5.03	4.80	0.22
12.90	4.36	4.13	0.82	15.50	5.04	4.80	0.21
12.95	4.39	4.15	0.75	15.55	5.05	4.81	0.21

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.21	18.20	5.37	5.13	0.13
15.65	5.06	4.83	0.21	18.25	5.37	5.14	0.13
15.70	5.07	4.83	0.21	18.30	5.38	5.14	0.13
15.75	5.08	4.84	0.21	18.35	5.38	5.14	0.13
15.80	5.09	4.85	0.20	18.40	5.39	5.15	0.13
15.85	5.09	4.86	0.20	18.45	5.39	5.15	0.13
15.90	5.10	4.86	0.20	18.50	5.40	5.16	0.13
15.95	5.11	4.87	0.20	18.55	5.40	5.16	0.13
16.00	5.11	4.88	0.20	18.60	5.40	5.17	0.13
16.05	5.12	4.88	0.20	18.65	5.41	5.17	0.13
16.10	5.13	4.89	0.20	18.70	5.41	5.18	0.13
16.15	5.13	4.90	0.19	18.75	5.42	5.18	0.13
16.20	5.14	4.90	0.19	18.80	5.42	5.19	0.13
16.25	5.15	4.91	0.19	18.85	5.43	5.19	0.12
16.30	5.16	4.92	0.19	18.90	5.43	5.19	0.12
16.35	5.16	4.92	0.19	18.95	5.44	5.20	0.12
16.40	5.17	4.93	0.19	19.00	5.44	5.20	0.12
16.45	5.17	4.94	0.18	19.05	5.44	5.21	0.12
16.50	5.18	4.94	0.18	19.10	5.45	5.21	0.12
16.55	5.19	4.95	0.18	19.15	5.45	5.22	0.12
16.60	5.19	4.96	0.18	19.20	5.46	5.22	0.12
16.65	5.20	4.96	0.18	19.25	5.46	5.22	0.12
16.70	5.21	4.97	0.18	19.30	5.47	5.23	0.12
16.75	5.21	4.98	0.17	19.35	5.47	5.23	0.12
16.80	5.22	4.98	0.17	19.40	5.48	5.24	0.12
16.85	5.23	4.99	0.17	19.45	5.48	5.24	0.12
16.90	5.23	4.99	0.17	19.50	5.48	5.25	0.12
16.95	5.24	5.00	0.17	19.55	5.49	5.25	0.12
17.00	5.24	5.01	0.17	19.60	5.49	5.25	0.12
17.05	5.25	5.01	0.16	19.65	5.50	5.26	0.12
17.10	5.25	5.02	0.16	19.70	5.50	5.26	0.12
17.15	5.26	5.02	0.16	19.75	5.50	5.27	0.12
17.20	5.27	5.03	0.16	19.80	5.51	5.27	0.12
17.25	5.27	5.03	0.16	19.85	5.51	5.28	0.12
17.30	5.28	5.04	0.16	19.90	5.52	5.28	0.12
17.35	5.28	5.05	0.15	19.95	5.52	5.28	0.12
17.40	5.29	5.05	0.15	20.00	5.53	5.29	0.12
17.45	5.29	5.06	0.15	20.05	5.53	5.29	0.11
17.50	5.30	5.06	0.15	20.10	5.53	5.30	0.11
17.55	5.30	5.07	0.15	20.15	5.54	5.30	0.11
17.60	5.31	5.07	0.15	20.20	5.54	5.30	0.11
17.65	5.31	5.08	0.14	20.25	5.55	5.31	0.11
17.70	5.32	5.08	0.14	20.30	5.55	5.31	0.11
17.75	5.33	5.09	0.14	20.35	5.55	5.32	0.11
17.80	5.33	5.09	0.14	20.40	5.56	5.32	0.11
17.85	5.34	5.10	0.14	20.45	5.56	5.32	0.11
17.90	5.34	5.10	0.14	20.50	5.57	5.33	0.11
17.95	5.34	5.11	0.13	20.55	5.57	5.33	0.11
18.00	5.35	5.11	0.13	20.60	5.57	5.34	0.11
18.05	5.35	5.12	0.13	20.65	5.58	5.34	0.11
18.10	5.36	5.12	0.13	20.70	5.58	5.34	0.11
18.15	5.36	5.13	0.13	20.75	5.59	5.35	0.11

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.11	23.40	5.77	5.53	0.09
20.85	5.59	5.36	0.11	23.45	5.78	5.54	0.09
20.90	5.60	5.36	0.11	23.50	5.78	5.54	0.09
20.95	5.60	5.36	0.11	23.55	5.78	5.54	0.09
21.00	5.61	5.37	0.11	23.60	5.78	5.55	0.09
21.05	5.61	5.37	0.11	23.65	5.79	5.55	0.09
21.10	5.61	5.37	0.11	23.70	5.79	5.55	0.09
21.15	5.62	5.38	0.11	23.75	5.79	5.56	0.08
21.20	5.62	5.38	0.11	23.80	5.80	5.56	0.08
21.25	5.62	5.39	0.11	23.85	5.80	5.56	0.08
21.30	5.63	5.39	0.11	23.90	5.80	5.56	0.08
21.35	5.63	5.39	0.10	23.95	5.81	5.57	0.10
21.40	5.64	5.40	0.10	24.00	**5.81**	**5.57**	0.10
21.45	5.64	5.40	0.10	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.10	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.10	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.10	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.10	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.10	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.10	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.10	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.10	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.10	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.10	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.10	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.10	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.10	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.10	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.10	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.10	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.10	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.10	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.10	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.10	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.10	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.10	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.10	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.09	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.09	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.09	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.09	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.09	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.09	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.09	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.09	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.09	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.09	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.09	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.09	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.09	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.09	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.09	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 15l: PDA-15 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 15P: PDA-15 (pervious)

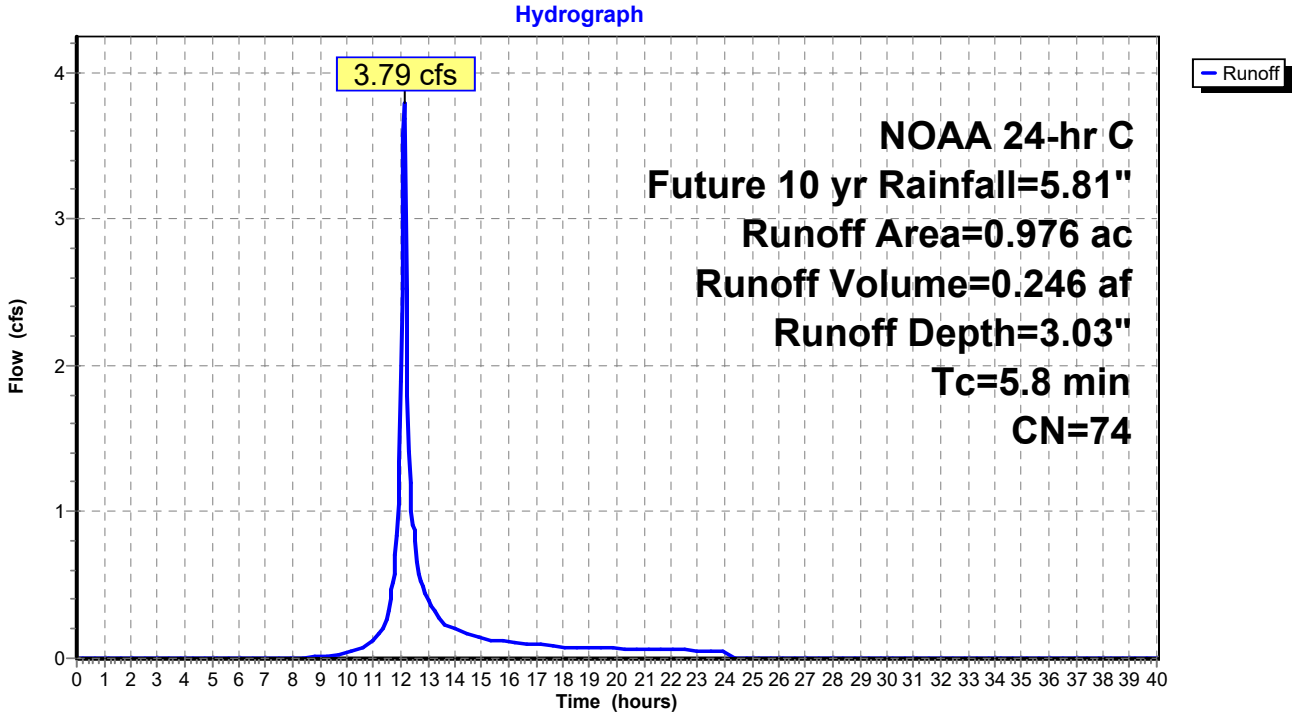
Runoff = 3.79 cfs @ 12.13 hrs, Volume= 0.246 af, Depth= 3.03"
Routed to Pond B-15 : Basin #15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.976	74	>75% Grass cover, Good, HSG C
0.976		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8					**Direct Entry,**

Subcatchment 15P: PDA-15 (pervious)



Hydrograph for Subcatchment 15P: PDA-15 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.41
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.39
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.36
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.35
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.33
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.32
10.70	1.27	0.08	0.08	13.30	4.54	2.01	0.31
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.30
10.80	1.31	0.09	0.10	13.40	4.58	2.03	0.28
10.85	1.33	0.09	0.10	13.45	4.60	2.05	0.27
10.90	1.35	0.10	0.11	13.50	4.61	2.06	0.26
10.95	1.37	0.11	0.12	13.55	4.63	2.07	0.25
11.00	1.39	0.11	0.13	13.60	4.64	2.08	0.23
11.05	1.42	0.12	0.14	13.65	4.66	2.09	0.23
11.10	1.45	0.13	0.15	13.70	4.67	2.10	0.22
11.15	1.48	0.14	0.16	13.75	4.68	2.12	0.22
11.20	1.51	0.15	0.18	13.80	4.70	2.13	0.21
11.25	1.54	0.16	0.19	13.85	4.71	2.14	0.21
11.30	1.57	0.17	0.21	13.90	4.72	2.15	0.21
11.35	1.61	0.18	0.22	13.95	4.74	2.16	0.21
11.40	1.64	0.20	0.24	14.00	4.75	2.17	0.20
11.45	1.68	0.21	0.26	14.05	4.76	2.18	0.20
11.50	1.72	0.23	0.28	14.10	4.78	2.19	0.20
11.55	1.78	0.25	0.32	14.15	4.79	2.20	0.19
11.60	1.83	0.28	0.41	14.20	4.80	2.21	0.19
11.65	1.90	0.30	0.47	14.25	4.81	2.21	0.19
11.70	1.96	0.33	0.51	14.30	4.82	2.22	0.18
11.75	2.04	0.37	0.58	14.35	4.83	2.23	0.18
11.80	2.13	0.41	0.70	14.40	4.85	2.24	0.18
11.85	2.25	0.47	0.84	14.45	4.86	2.25	0.17
11.90	2.36	0.53	1.05	14.50	4.87	2.26	0.17
11.95	2.57	0.65	1.34	14.55	4.88	2.27	0.17
12.00	2.77	0.77	1.89	14.60	4.89	2.27	0.16
12.05	3.11	0.98	2.52	14.65	4.90	2.28	0.16
12.10	3.45	1.20	3.56	14.70	4.91	2.29	0.16
12.15	3.56	1.28	**3.68**	14.75	4.92	2.30	0.15
12.20	3.68	1.37	2.51	14.80	4.93	2.31	0.15
12.25	3.77	1.43	1.80	14.85	4.94	2.31	0.15
12.30	3.85	1.49	1.41	14.90	4.94	2.32	0.14
12.35	3.91	1.53	1.20	14.95	4.95	2.33	0.14
12.40	3.98	1.58	1.00	15.00	4.96	2.33	0.14
12.45	4.03	1.62	0.91	15.05	4.97	2.34	0.13
12.50	4.09	1.67	0.87	15.10	4.98	2.35	0.13
12.55	4.13	1.69	0.81	15.15	4.99	2.35	0.13
12.60	4.17	1.72	0.66	15.20	4.99	2.36	0.13
12.65	4.20	1.75	0.58	15.25	5.00	2.37	0.13
12.70	4.24	1.77	0.54	15.30	5.01	2.37	0.12
12.75	4.27	1.80	0.52	15.35	5.02	2.38	0.12
12.80	4.30	1.82	0.50	15.40	5.03	2.38	0.12
12.85	4.33	1.85	0.48	15.45	5.03	2.39	0.12
12.90	4.36	1.87	0.45	15.50	5.04	2.40	0.12
12.95	4.39	1.89	0.43	15.55	5.05	2.40	0.12

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.12	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.12	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.12	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.12	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.12	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.12	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.11	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.11	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.11	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.11	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.11	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.11	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.11	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.11	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.11	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.11	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.11	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.11	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.10	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.10	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.10	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.10	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.10	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.10	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.10	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.10	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.10	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.09	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.09	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.09	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.09	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.09	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.09	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.09	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.09	20.15	5.54	2.80	0.07
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.07
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.07
17.70	5.32	2.62	0.08	20.30	5.55	2.81	0.07
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.07
17.80	5.33	2.63	0.08	20.40	5.56	2.82	0.07
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.08	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.08	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.06
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.05
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.02
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.06	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 15P: PDA-15 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 16AI: PDA-16A (impervious)

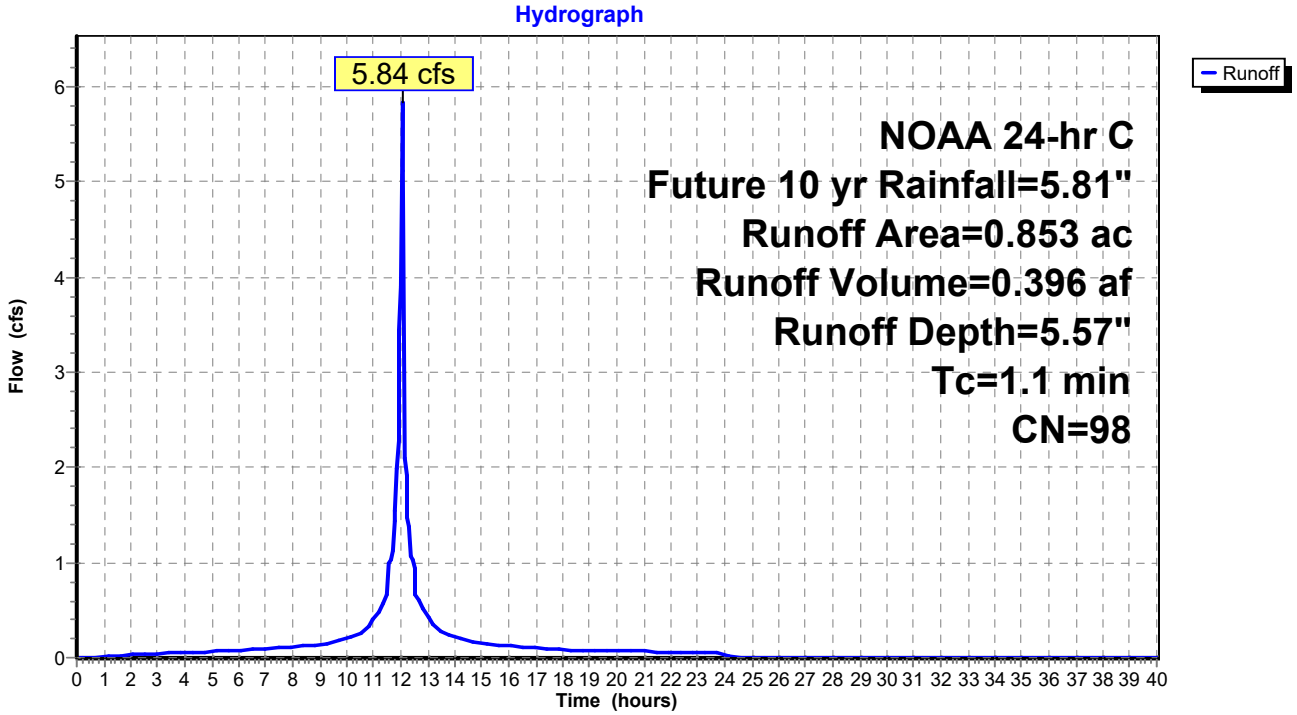
Runoff = 5.84 cfs @ 12.06 hrs, Volume= 0.396 af, Depth= 5.57"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.072	98	Pavement, HSG C
*	0.771	98	Roof, HSG C
*	0.010	98	Concrete, HSG C
	0.853	98	Weighted Average
	0.853		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 16AI: PDA-16A (impervious)



Hydrograph for Subcatchment 16AI: PDA-16A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.05
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.06
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.06
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.06
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.06
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.06
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.07
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.07

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.07	7.80	0.67	0.47	0.11
5.25	0.39	0.22	0.07	7.85	0.68	0.48	0.11
5.30	0.40	0.23	0.07	7.90	0.68	0.49	0.11
5.35	0.40	0.23	0.07	7.95	0.69	0.49	0.11
5.40	0.41	0.23	0.07	8.00	0.70	0.50	0.11
5.45	0.41	0.24	0.07	8.05	0.70	0.51	0.12
5.50	0.41	0.24	0.07	8.10	0.71	0.51	0.12
5.55	0.42	0.25	0.07	8.15	0.72	0.52	0.12
5.60	0.42	0.25	0.07	8.20	0.72	0.53	0.12
5.65	0.43	0.25	0.07	8.25	0.73	0.53	0.12
5.70	0.43	0.26	0.07	8.30	0.74	0.54	0.12
5.75	0.44	0.26	0.07	8.35	0.75	0.55	0.12
5.80	0.44	0.27	0.07	8.40	0.75	0.55	0.12
5.85	0.45	0.27	0.07	8.45	0.76	0.56	0.12
5.90	0.45	0.27	0.07	8.50	0.77	0.57	0.12
5.95	0.46	0.28	0.07	8.55	0.78	0.58	0.13
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.13
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.13
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.13
6.15	0.47	0.30	0.08	8.75	0.81	0.61	0.13
6.20	0.48	0.30	0.08	8.80	0.82	0.61	0.13
6.25	0.48	0.30	0.08	8.85	0.82	0.62	0.13
6.30	0.49	0.31	0.08	8.90	0.83	0.63	0.13
6.35	0.50	0.31	0.08	8.95	0.84	0.64	0.13
6.40	0.50	0.32	0.08	9.00	0.85	0.64	0.14
6.45	0.51	0.32	0.08	9.05	0.86	0.65	0.14
6.50	0.51	0.33	0.08	9.10	0.87	0.66	0.14
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.15
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.15
6.65	0.53	0.34	0.09	9.25	0.89	0.69	0.16
6.70	0.53	0.35	0.09	9.30	0.90	0.70	0.16
6.75	0.54	0.35	0.09	9.35	0.91	0.71	0.16
6.80	0.54	0.36	0.09	9.40	0.92	0.72	0.17
6.85	0.55	0.36	0.09	9.45	0.93	0.73	0.17
6.90	0.56	0.37	0.09	9.50	0.94	0.74	0.17
6.95	0.56	0.37	0.09	9.55	0.95	0.75	0.18
7.00	0.57	0.38	0.09	9.60	0.96	0.76	0.18
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.19
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.19
7.15	0.58	0.40	0.10	9.75	1.00	0.79	0.19
7.20	0.59	0.40	0.10	9.80	1.01	0.80	0.20
7.25	0.60	0.41	0.10	9.85	1.02	0.81	0.20
7.30	0.60	0.41	0.10	9.90	1.03	0.82	0.20
7.35	0.61	0.42	0.10	9.95	1.05	0.84	0.21
7.40	0.62	0.42	0.10	10.00	1.06	0.85	0.21
7.45	0.62	0.43	0.10	10.05	1.07	0.86	0.22
7.50	0.63	0.44	0.10	10.10	1.09	0.87	0.22
7.55	0.64	0.44	0.10	10.15	1.10	0.89	0.22
7.60	0.64	0.45	0.11	10.20	1.11	0.90	0.23
7.65	0.65	0.45	0.11	10.25	1.13	0.91	0.23
7.70	0.65	0.46	0.11	10.30	1.14	0.93	0.23
7.75	0.66	0.47	0.11	10.35	1.15	0.94	0.24

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.24	13.00	4.42	4.18	0.44
10.45	1.18	0.97	0.25	13.05	4.44	4.20	0.40
10.50	1.20	0.98	0.25	13.10	4.46	4.23	0.39
10.55	1.21	1.00	0.27	13.15	4.48	4.25	0.37
10.60	1.23	1.02	0.28	13.20	4.50	4.27	0.36
10.65	1.25	1.03	0.30	13.25	4.52	4.29	0.34
10.70	1.27	1.05	0.31	13.30	4.54	4.31	0.33
10.75	1.29	1.07	0.33	13.35	4.56	4.33	0.31
10.80	1.31	1.09	0.34	13.40	4.58	4.34	0.30
10.85	1.33	1.11	0.36	13.45	4.60	4.36	0.28
10.90	1.35	1.13	0.37	13.50	4.61	4.38	0.28
10.95	1.37	1.15	0.39	13.55	4.63	4.39	0.25
11.00	1.39	1.18	0.40	13.60	4.64	4.41	0.25
11.05	1.42	1.20	0.44	13.65	4.66	4.42	0.24
11.10	1.45	1.23	0.45	13.70	4.67	4.43	0.24
11.15	1.48	1.26	0.49	13.75	4.68	4.45	0.24
11.20	1.51	1.29	0.51	13.80	4.70	4.46	0.24
11.25	1.54	1.32	0.55	13.85	4.71	4.48	0.23
11.30	1.57	1.35	0.56	13.90	4.72	4.49	0.23
11.35	1.61	1.38	0.60	13.95	4.74	4.50	0.22
11.40	1.64	1.42	0.61	14.00	4.75	4.51	0.22
11.45	1.68	1.46	0.64	14.05	4.76	4.53	0.21
11.50	1.72	1.49	0.71	14.10	4.78	4.54	0.21
11.55	1.78	1.55	0.99	14.15	4.79	4.55	0.21
11.60	1.83	1.61	1.01	14.20	4.80	4.56	0.21
11.65	1.90	1.67	1.05	14.25	4.81	4.57	0.20
11.70	1.96	1.73	1.12	14.30	4.82	4.59	0.20
11.75	2.04	1.82	1.44	14.35	4.83	4.60	0.19
11.80	2.13	1.90	1.55	14.40	4.85	4.61	0.19
11.85	2.25	2.02	2.00	14.45	4.86	4.62	0.19
11.90	2.36	2.13	2.27	14.50	4.87	4.63	0.18
11.95	2.57	2.34	3.44	14.55	4.88	4.64	0.18
12.00	2.77	2.54	3.90	14.60	4.89	4.65	0.18
12.05	3.11	2.88	**5.76**	14.65	4.90	4.66	0.17
12.10	3.45	3.21	5.13	14.70	4.91	4.67	0.17
12.15	3.56	3.33	2.10	14.75	4.92	4.68	0.16
12.20	3.68	3.45	1.92	14.80	4.93	4.69	0.16
12.25	3.77	3.53	1.47	14.85	4.94	4.70	0.15
12.30	3.85	3.62	1.38	14.90	4.94	4.71	0.15
12.35	3.91	3.68	1.07	14.95	4.95	4.72	0.15
12.40	3.98	3.74	1.05	15.00	4.96	4.72	0.15
12.45	4.03	3.80	1.01	15.05	4.97	4.73	0.14
12.50	4.09	3.86	0.94	15.10	4.98	4.74	0.14
12.55	4.13	3.90	0.66	15.15	4.99	4.75	0.14
12.60	4.17	3.93	0.64	15.20	4.99	4.76	0.14
12.65	4.20	3.97	0.61	15.25	5.00	4.76	0.14
12.70	4.24	4.00	0.60	15.30	5.01	4.77	0.14
12.75	4.27	4.04	0.56	15.35	5.02	4.78	0.13
12.80	4.30	4.07	0.55	15.40	5.03	4.79	0.13
12.85	4.33	4.10	0.50	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.49	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.45	15.55	5.05	4.81	0.13

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.13	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.13	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.13	18.30	5.38	5.14	0.08
15.75	5.08	4.84	0.13	18.35	5.38	5.14	0.08
15.80	5.09	4.85	0.13	18.40	5.39	5.15	0.08
15.85	5.09	4.86	0.12	18.45	5.39	5.15	0.08
15.90	5.10	4.86	0.12	18.50	5.40	5.16	0.08
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.08
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.08
16.05	5.12	4.88	0.12	18.65	5.41	5.17	0.08
16.10	5.13	4.89	0.12	18.70	5.41	5.18	0.08
16.15	5.13	4.90	0.12	18.75	5.42	5.18	0.08
16.20	5.14	4.90	0.12	18.80	5.42	5.19	0.08
16.25	5.15	4.91	0.12	18.85	5.43	5.19	0.08
16.30	5.16	4.92	0.12	18.90	5.43	5.19	0.08
16.35	5.16	4.92	0.11	18.95	5.44	5.20	0.08
16.40	5.17	4.93	0.11	19.00	5.44	5.20	0.08
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.08
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.08
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.11	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.11	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.11	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.11	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.11	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.10	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.10	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.10	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.10	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.10	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.07
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.07
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.07
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.07
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.07
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.07
17.70	5.32	5.08	0.09	20.30	5.55	5.31	0.07
17.75	5.33	5.09	0.09	20.35	5.55	5.32	0.07
17.80	5.33	5.09	0.09	20.40	5.56	5.32	0.07
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.07
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.07
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.07
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.07
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.07
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.07
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.07

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.07	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.07	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.07	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.07	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.07	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.07	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.07	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.06
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.06	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.06	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.06	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.06	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.06	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 16AI: PDA-16A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 16AP: PDA-16A (pervious)

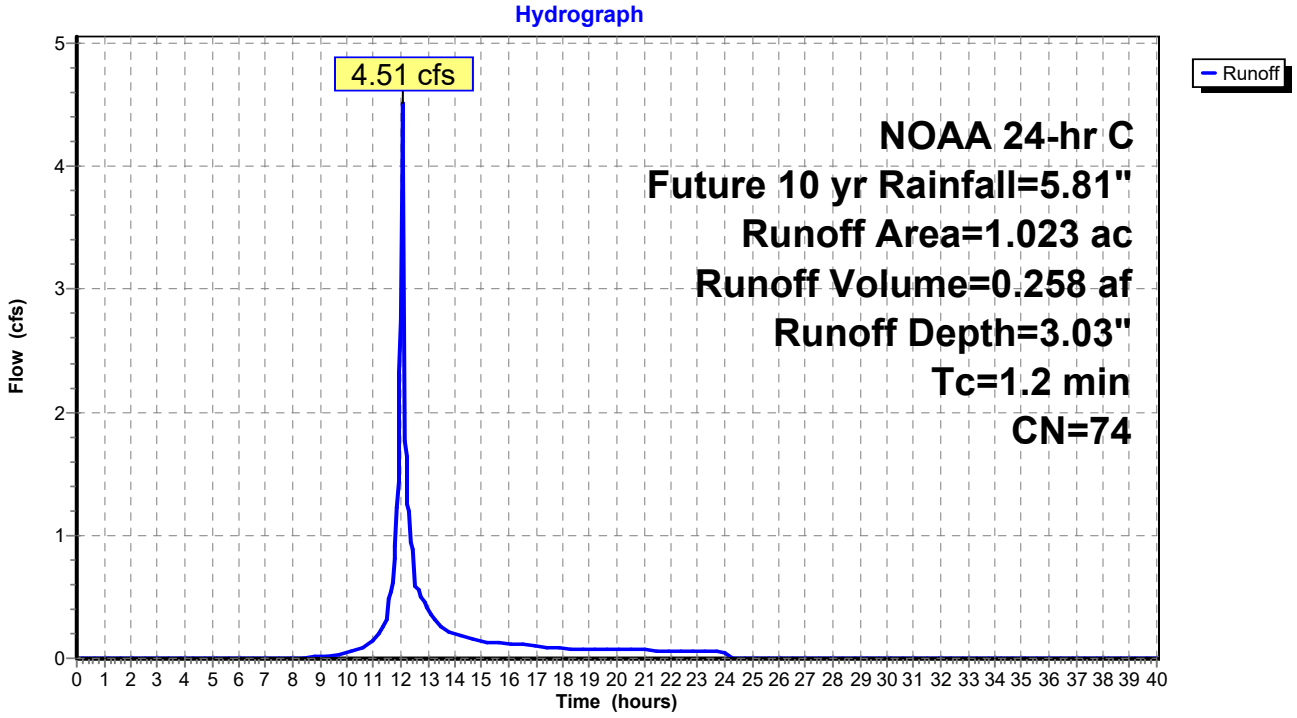
Runoff = 4.51 cfs @ 12.07 hrs, Volume= 0.258 af, Depth= 3.03"
Routed to Pond B-16A : Basin #16A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.023	74	>75% Grass cover, Good, HSG C
1.023		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16AP: PDA-16A (pervious)



Hydrograph for Subcatchment 16AP: PDA-16A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.40
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.36
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.36
10.55	1.21	0.06	0.08	13.15	4.48	1.96	0.34
10.60	1.23	0.07	0.08	13.20	4.50	1.98	0.33
10.65	1.25	0.07	0.09	13.25	4.52	1.99	0.31
10.70	1.27	0.08	0.10	13.30	4.54	2.01	0.31
10.75	1.29	0.08	0.11	13.35	4.56	2.02	0.29
10.80	1.31	0.09	0.11	13.40	4.58	2.03	0.28
10.85	1.33	0.09	0.12	13.45	4.60	2.05	0.26
10.90	1.35	0.10	0.13	13.50	4.61	2.06	0.26
10.95	1.37	0.11	0.14	13.55	4.63	2.07	0.24
11.00	1.39	0.11	0.15	13.60	4.64	2.08	0.23
11.05	1.42	0.12	0.17	13.65	4.66	2.09	0.23
11.10	1.45	0.13	0.17	13.70	4.67	2.10	0.23
11.15	1.48	0.14	0.20	13.75	4.68	2.12	0.22
11.20	1.51	0.15	0.21	13.80	4.70	2.13	0.22
11.25	1.54	0.16	0.23	13.85	4.71	2.14	0.22
11.30	1.57	0.17	0.24	13.90	4.72	2.15	0.21
11.35	1.61	0.18	0.27	13.95	4.74	2.16	0.21
11.40	1.64	0.20	0.28	14.00	4.75	2.17	0.21
11.45	1.68	0.21	0.30	14.05	4.76	2.18	0.20
11.50	1.72	0.23	0.34	14.10	4.78	2.19	0.20
11.55	1.78	0.25	0.49	14.15	4.79	2.20	0.20
11.60	1.83	0.28	0.52	14.20	4.80	2.21	0.19
11.65	1.90	0.30	0.56	14.25	4.81	2.21	0.19
11.70	1.96	0.33	0.61	14.30	4.82	2.22	0.19
11.75	2.04	0.37	0.81	14.35	4.83	2.23	0.18
11.80	2.13	0.41	0.91	14.40	4.85	2.24	0.18
11.85	2.25	0.47	1.22	14.45	4.86	2.25	0.18
11.90	2.36	0.53	1.44	14.50	4.87	2.26	0.17
11.95	2.57	0.65	2.32	14.55	4.88	2.27	0.17
12.00	2.77	0.77	2.75	14.60	4.89	2.27	0.17
12.05	3.11	0.98	**4.37**	14.65	4.90	2.28	0.16
12.10	3.45	1.20	4.19	14.70	4.91	2.29	0.16
12.15	3.56	1.28	1.77	14.75	4.92	2.30	0.16
12.20	3.68	1.37	1.63	14.80	4.93	2.31	0.15
12.25	3.77	1.43	1.26	14.85	4.94	2.31	0.15
12.30	3.85	1.49	1.20	14.90	4.94	2.32	0.15
12.35	3.91	1.53	0.93	14.95	4.95	2.33	0.14
12.40	3.98	1.58	0.92	15.00	4.96	2.33	0.14
12.45	4.03	1.62	0.89	15.05	4.97	2.34	0.13
12.50	4.09	1.67	0.85	15.10	4.98	2.35	0.13
12.55	4.13	1.69	0.59	15.15	4.99	2.35	0.13
12.60	4.17	1.72	0.58	15.20	4.99	2.36	0.13
12.65	4.20	1.75	0.55	15.25	5.00	2.37	0.13
12.70	4.24	1.77	0.54	15.30	5.01	2.37	0.13
12.75	4.27	1.80	0.50	15.35	5.02	2.38	0.13
12.80	4.30	1.82	0.50	15.40	5.03	2.38	0.13
12.85	4.33	1.85	0.46	15.45	5.03	2.39	0.13
12.90	4.36	1.87	0.45	15.50	5.04	2.40	0.13
12.95	4.39	1.89	0.41	15.55	5.05	2.40	0.13

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.12	18.20	5.37	2.66	0.08
15.65	5.06	2.41	0.12	18.25	5.37	2.67	0.08
15.70	5.07	2.42	0.12	18.30	5.38	2.67	0.08
15.75	5.08	2.43	0.12	18.35	5.38	2.67	0.08
15.80	5.09	2.43	0.12	18.40	5.39	2.68	0.08
15.85	5.09	2.44	0.12	18.45	5.39	2.68	0.08
15.90	5.10	2.44	0.12	18.50	5.40	2.68	0.08
15.95	5.11	2.45	0.12	18.55	5.40	2.69	0.08
16.00	5.11	2.46	0.12	18.60	5.40	2.69	0.08
16.05	5.12	2.46	0.12	18.65	5.41	2.69	0.08
16.10	5.13	2.47	0.12	18.70	5.41	2.70	0.08
16.15	5.13	2.47	0.11	18.75	5.42	2.70	0.08
16.20	5.14	2.48	0.11	18.80	5.42	2.71	0.08
16.25	5.15	2.48	0.11	18.85	5.43	2.71	0.08
16.30	5.16	2.49	0.11	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.11	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.11	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.11	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.11	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.11	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.11	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.11	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.10	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.10	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.10	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.10	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.10	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.10	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.10	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.10	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.10	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.09	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.09	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.09	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.09	20.15	5.54	2.80	0.07
17.60	5.31	2.61	0.09	20.20	5.54	2.80	0.07
17.65	5.31	2.62	0.09	20.25	5.55	2.81	0.07
17.70	5.32	2.62	0.09	20.30	5.55	2.81	0.07
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.07
17.80	5.33	2.63	0.08	20.40	5.56	2.82	0.07
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.07
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.07
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.07
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.07
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.07
18.10	5.36	2.65	0.08	20.70	5.58	2.84	0.07
18.15	5.36	2.66	0.08	20.75	5.59	2.84	0.07

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.07	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.07	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.07	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.07	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.07	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.06	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.06	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.06	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.06	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.06	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 16AP: PDA-16A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 16BI: PDA-16B (impervious)

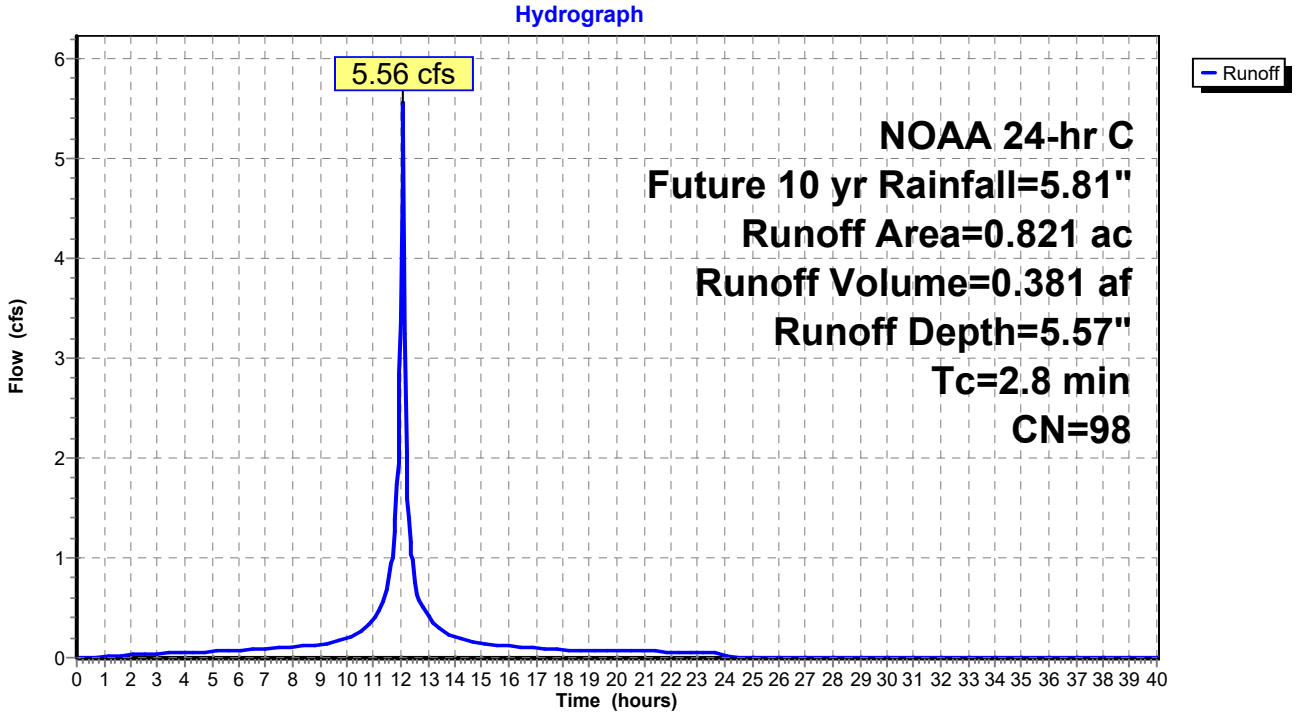
Runoff = 5.56 cfs @ 12.09 hrs, Volume= 0.381 af, Depth= 5.57"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.621	98	Pavement, HSG C
*	0.064	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	0.821	98	Weighted Average
	0.821		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.8					**Direct Entry,**

Subcatchment 16BI: PDA-16B (impervious)



Hydrograph for Subcatchment 16BI: PDA-16B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.06
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.06
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.06
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.10
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.11
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.11
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.11
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.11
5.45	0.41	0.24	0.07	8.05	0.70	0.51	0.11
5.50	0.41	0.24	0.07	8.10	0.71	0.51	0.11
5.55	0.42	0.25	0.07	8.15	0.72	0.52	0.11
5.60	0.42	0.25	0.07	8.20	0.72	0.53	0.11
5.65	0.43	0.25	0.07	8.25	0.73	0.53	0.11
5.70	0.43	0.26	0.07	8.30	0.74	0.54	0.11
5.75	0.44	0.26	0.07	8.35	0.75	0.55	0.12
5.80	0.44	0.27	0.07	8.40	0.75	0.55	0.12
5.85	0.45	0.27	0.07	8.45	0.76	0.56	0.12
5.90	0.45	0.27	0.07	8.50	0.77	0.57	0.12
5.95	0.46	0.28	0.07	8.55	0.78	0.58	0.12
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.12
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.12
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.12
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.12
6.20	0.48	0.30	0.07	8.80	0.82	0.61	0.13
6.25	0.48	0.30	0.07	8.85	0.82	0.62	0.13
6.30	0.49	0.31	0.07	8.90	0.83	0.63	0.13
6.35	0.50	0.31	0.08	8.95	0.84	0.64	0.13
6.40	0.50	0.32	0.08	9.00	0.85	0.64	0.13
6.45	0.51	0.32	0.08	9.05	0.86	0.65	0.13
6.50	0.51	0.33	0.08	9.10	0.87	0.66	0.14
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.14
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.14
6.65	0.53	0.34	0.08	9.25	0.89	0.69	0.15
6.70	0.53	0.35	0.08	9.30	0.90	0.70	0.15
6.75	0.54	0.35	0.08	9.35	0.91	0.71	0.16
6.80	0.54	0.36	0.08	9.40	0.92	0.72	0.16
6.85	0.55	0.36	0.09	9.45	0.93	0.73	0.16
6.90	0.56	0.37	0.09	9.50	0.94	0.74	0.16
6.95	0.56	0.37	0.09	9.55	0.95	0.75	0.17
7.00	0.57	0.38	0.09	9.60	0.96	0.76	0.17
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.18
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.18
7.15	0.58	0.40	0.09	9.75	1.00	0.79	0.18
7.20	0.59	0.40	0.09	9.80	1.01	0.80	0.19
7.25	0.60	0.41	0.09	9.85	1.02	0.81	0.19
7.30	0.60	0.41	0.09	9.90	1.03	0.82	0.19
7.35	0.61	0.42	0.10	9.95	1.05	0.84	0.20
7.40	0.62	0.42	0.10	10.00	1.06	0.85	0.20
7.45	0.62	0.43	0.10	10.05	1.07	0.86	0.21
7.50	0.63	0.44	0.10	10.10	1.09	0.87	0.21
7.55	0.64	0.44	0.10	10.15	1.10	0.89	0.21
7.60	0.64	0.45	0.10	10.20	1.11	0.90	0.22
7.65	0.65	0.45	0.10	10.25	1.13	0.91	0.22
7.70	0.65	0.46	0.10	10.30	1.14	0.93	0.22
7.75	0.66	0.47	0.10	10.35	1.15	0.94	0.23

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.23	13.00	4.42	4.18	0.43
10.45	1.18	0.97	0.23	13.05	4.44	4.20	0.40
10.50	1.20	0.98	0.24	13.10	4.46	4.23	0.38
10.55	1.21	1.00	0.26	13.15	4.48	4.25	0.36
10.60	1.23	1.02	0.26	13.20	4.50	4.27	0.35
10.65	1.25	1.03	0.28	13.25	4.52	4.29	0.34
10.70	1.27	1.05	0.29	13.30	4.54	4.31	0.33
10.75	1.29	1.07	0.31	13.35	4.56	4.33	0.31
10.80	1.31	1.09	0.32	13.40	4.58	4.34	0.30
10.85	1.33	1.11	0.34	13.45	4.60	4.36	0.28
10.90	1.35	1.13	0.35	13.50	4.61	4.38	0.27
10.95	1.37	1.15	0.36	13.55	4.63	4.39	0.25
11.00	1.39	1.18	0.37	13.60	4.64	4.41	0.24
11.05	1.42	1.20	0.41	13.65	4.66	4.42	0.24
11.10	1.45	1.23	0.43	13.70	4.67	4.43	0.24
11.15	1.48	1.26	0.46	13.75	4.68	4.45	0.23
11.20	1.51	1.29	0.48	13.80	4.70	4.46	0.23
11.25	1.54	1.32	0.51	13.85	4.71	4.48	0.22
11.30	1.57	1.35	0.53	13.90	4.72	4.49	0.22
11.35	1.61	1.38	0.56	13.95	4.74	4.50	0.22
11.40	1.64	1.42	0.58	14.00	4.75	4.51	0.21
11.45	1.68	1.46	0.61	14.05	4.76	4.53	0.21
11.50	1.72	1.49	0.63	14.10	4.78	4.54	0.21
11.55	1.78	1.55	0.84	14.15	4.79	4.55	0.20
11.60	1.83	1.61	0.95	14.20	4.80	4.56	0.20
11.65	1.90	1.67	0.99	14.25	4.81	4.57	0.19
11.70	1.96	1.73	1.02	14.30	4.82	4.59	0.19
11.75	2.04	1.82	1.26	14.35	4.83	4.60	0.19
11.80	2.13	1.90	1.39	14.40	4.85	4.61	0.18
11.85	2.25	2.02	1.74	14.45	4.86	4.62	0.18
11.90	2.36	2.13	1.95	14.50	4.87	4.63	0.18
11.95	2.57	2.34	2.84	14.55	4.88	4.64	0.17
12.00	2.77	2.54	3.35	14.60	4.89	4.65	0.17
12.05	3.11	2.88	4.78	14.65	4.90	4.66	0.17
12.10	3.45	3.21	**5.46**	14.70	4.91	4.67	0.16
12.15	3.56	3.33	3.25	14.75	4.92	4.68	0.16
12.20	3.68	3.45	2.03	14.80	4.93	4.69	0.16
12.25	3.77	3.53	1.60	14.85	4.94	4.70	0.15
12.30	3.85	3.62	1.41	14.90	4.94	4.71	0.15
12.35	3.91	3.68	1.16	14.95	4.95	4.72	0.14
12.40	3.98	3.74	1.03	15.00	4.96	4.72	0.14
12.45	4.03	3.80	0.99	15.05	4.97	4.73	0.14
12.50	4.09	3.86	0.96	15.10	4.98	4.74	0.14
12.55	4.13	3.90	0.75	15.15	4.99	4.75	0.13
12.60	4.17	3.93	0.63	15.20	4.99	4.76	0.13
12.65	4.20	3.97	0.60	15.25	5.00	4.76	0.13
12.70	4.24	4.00	0.59	15.30	5.01	4.77	0.13
12.75	4.27	4.04	0.55	15.35	5.02	4.78	0.13
12.80	4.30	4.07	0.54	15.40	5.03	4.79	0.13
12.85	4.33	4.10	0.50	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.48	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.45	15.55	5.05	4.81	0.13

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.13	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.08
15.75	5.08	4.84	0.12	18.35	5.38	5.14	0.08
15.80	5.09	4.85	0.12	18.40	5.39	5.15	0.08
15.85	5.09	4.86	0.12	18.45	5.39	5.15	0.08
15.90	5.10	4.86	0.12	18.50	5.40	5.16	0.08
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.08
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.12	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.12	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.11	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.11	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.11	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.11	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.10	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.10	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.07
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.07
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.07
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.07
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.07
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.07
17.70	5.32	5.08	0.09	20.30	5.55	5.31	0.07
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.07
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.07
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.07
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.07
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.07
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.07
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.07
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.06
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.06	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.06	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 16BI: PDA-16B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 16BP: PDA-16B (pervious)

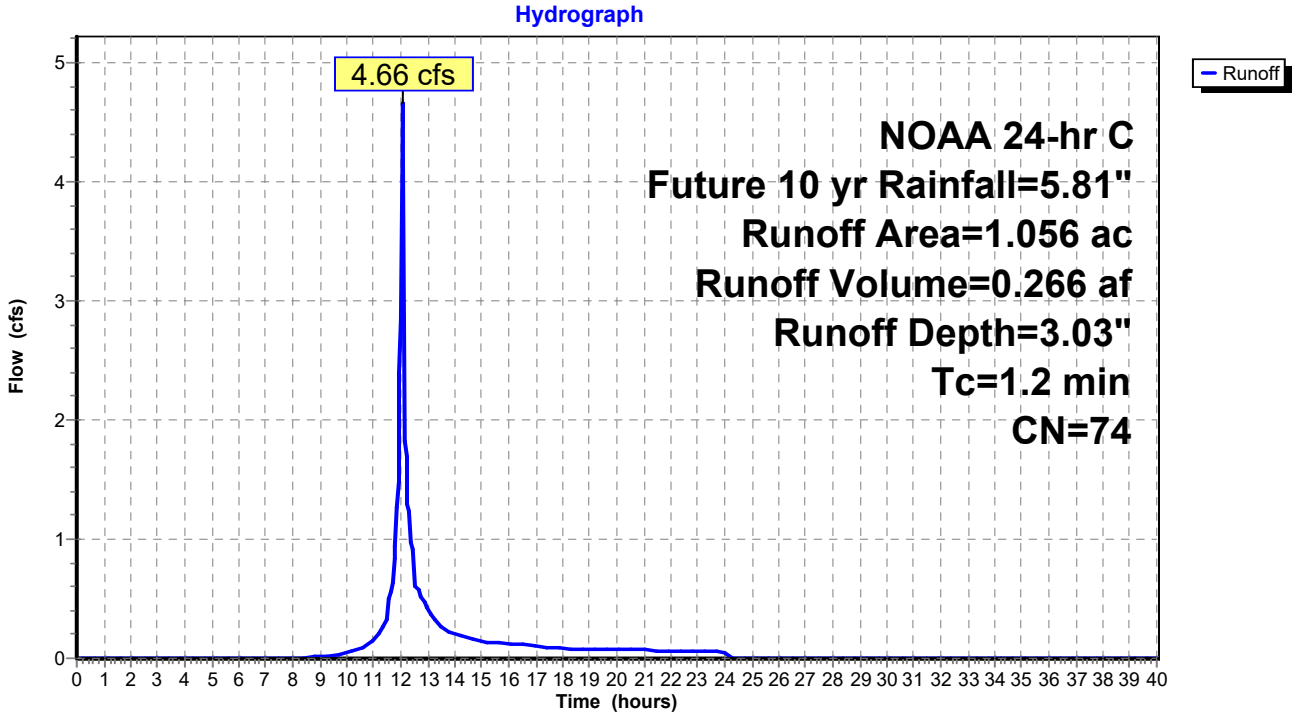
Runoff = 4.66 cfs @ 12.07 hrs, Volume= 0.266 af, Depth= 3.03"
Routed to Pond B-16B : Basin #16B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.056	74	>75% Grass cover, Good, HSG C
1.056		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2					**Direct Entry,**

Subcatchment 16BP: PDA-16B (pervious)



Hydrograph for Subcatchment 16BP: PDA-16B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.07	13.00	4.42	1.91	0.42
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.38
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.37
10.55	1.21	0.06	0.08	13.15	4.48	1.96	0.35
10.60	1.23	0.07	0.09	13.20	4.50	1.98	0.35
10.65	1.25	0.07	0.09	13.25	4.52	1.99	0.32
10.70	1.27	0.08	0.10	13.30	4.54	2.01	0.32
10.75	1.29	0.08	0.11	13.35	4.56	2.02	0.30
10.80	1.31	0.09	0.11	13.40	4.58	2.03	0.29
10.85	1.33	0.09	0.13	13.45	4.60	2.05	0.27
10.90	1.35	0.10	0.13	13.50	4.61	2.06	0.27
10.95	1.37	0.11	0.14	13.55	4.63	2.07	0.24
11.00	1.39	0.11	0.15	13.60	4.64	2.08	0.24
11.05	1.42	0.12	0.17	13.65	4.66	2.09	0.24
11.10	1.45	0.13	0.18	13.70	4.67	2.10	0.24
11.15	1.48	0.14	0.20	13.75	4.68	2.12	0.23
11.20	1.51	0.15	0.21	13.80	4.70	2.13	0.23
11.25	1.54	0.16	0.24	13.85	4.71	2.14	0.22
11.30	1.57	0.17	0.25	13.90	4.72	2.15	0.22
11.35	1.61	0.18	0.27	13.95	4.74	2.16	0.22
11.40	1.64	0.20	0.29	14.00	4.75	2.17	0.21
11.45	1.68	0.21	0.31	14.05	4.76	2.18	0.21
11.50	1.72	0.23	0.35	14.10	4.78	2.19	0.21
11.55	1.78	0.25	0.50	14.15	4.79	2.20	0.20
11.60	1.83	0.28	0.53	14.20	4.80	2.21	0.20
11.65	1.90	0.30	0.57	14.25	4.81	2.21	0.20
11.70	1.96	0.33	0.63	14.30	4.82	2.22	0.19
11.75	2.04	0.37	0.84	14.35	4.83	2.23	0.19
11.80	2.13	0.41	0.94	14.40	4.85	2.24	0.19
11.85	2.25	0.47	1.26	14.45	4.86	2.25	0.18
11.90	2.36	0.53	1.49	14.50	4.87	2.26	0.18
11.95	2.57	0.65	2.40	14.55	4.88	2.27	0.17
12.00	2.77	0.77	2.84	14.60	4.89	2.27	0.17
12.05	3.11	0.98	**4.51**	14.65	4.90	2.28	0.17
12.10	3.45	1.20	4.33	14.70	4.91	2.29	0.17
12.15	3.56	1.28	1.83	14.75	4.92	2.30	0.16
12.20	3.68	1.37	1.68	14.80	4.93	2.31	0.16
12.25	3.77	1.43	1.30	14.85	4.94	2.31	0.15
12.30	3.85	1.49	1.24	14.90	4.94	2.32	0.15
12.35	3.91	1.53	0.97	14.95	4.95	2.33	0.15
12.40	3.98	1.58	0.95	15.00	4.96	2.33	0.14
12.45	4.03	1.62	0.92	15.05	4.97	2.34	0.14
12.50	4.09	1.67	0.87	15.10	4.98	2.35	0.14
12.55	4.13	1.69	0.61	15.15	4.99	2.35	0.14
12.60	4.17	1.72	0.60	15.20	4.99	2.36	0.14
12.65	4.20	1.75	0.57	15.25	5.00	2.37	0.13
12.70	4.24	1.77	0.56	15.30	5.01	2.37	0.13
12.75	4.27	1.80	0.52	15.35	5.02	2.38	0.13
12.80	4.30	1.82	0.51	15.40	5.03	2.38	0.13
12.85	4.33	1.85	0.47	15.45	5.03	2.39	0.13
12.90	4.36	1.87	0.47	15.50	5.04	2.40	0.13
12.95	4.39	1.89	0.43	15.55	5.05	2.40	0.13

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.13	18.20	5.37	2.66	0.08
15.65	5.06	2.41	0.13	18.25	5.37	2.67	0.08
15.70	5.07	2.42	0.13	18.30	5.38	2.67	0.08
15.75	5.08	2.43	0.13	18.35	5.38	2.67	0.08
15.80	5.09	2.43	0.12	18.40	5.39	2.68	0.08
15.85	5.09	2.44	0.12	18.45	5.39	2.68	0.08
15.90	5.10	2.44	0.12	18.50	5.40	2.68	0.08
15.95	5.11	2.45	0.12	18.55	5.40	2.69	0.08
16.00	5.11	2.46	0.12	18.60	5.40	2.69	0.08
16.05	5.12	2.46	0.12	18.65	5.41	2.69	0.08
16.10	5.13	2.47	0.12	18.70	5.41	2.70	0.08
16.15	5.13	2.47	0.12	18.75	5.42	2.70	0.08
16.20	5.14	2.48	0.12	18.80	5.42	2.71	0.08
16.25	5.15	2.48	0.12	18.85	5.43	2.71	0.08
16.30	5.16	2.49	0.12	18.90	5.43	2.71	0.08
16.35	5.16	2.49	0.11	18.95	5.44	2.72	0.08
16.40	5.17	2.50	0.11	19.00	5.44	2.72	0.08
16.45	5.17	2.50	0.11	19.05	5.44	2.72	0.08
16.50	5.18	2.51	0.11	19.10	5.45	2.73	0.08
16.55	5.19	2.52	0.11	19.15	5.45	2.73	0.08
16.60	5.19	2.52	0.11	19.20	5.46	2.73	0.08
16.65	5.20	2.53	0.11	19.25	5.46	2.74	0.08
16.70	5.21	2.53	0.11	19.30	5.47	2.74	0.08
16.75	5.21	2.54	0.11	19.35	5.47	2.75	0.08
16.80	5.22	2.54	0.11	19.40	5.48	2.75	0.08
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.10	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.10	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.10	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.10	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.10	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.10	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.10	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.10	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.10	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.09	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.09	20.15	5.54	2.80	0.07
17.60	5.31	2.61	0.09	20.20	5.54	2.80	0.07
17.65	5.31	2.62	0.09	20.25	5.55	2.81	0.07
17.70	5.32	2.62	0.09	20.30	5.55	2.81	0.07
17.75	5.33	2.63	0.09	20.35	5.55	2.81	0.07
17.80	5.33	2.63	0.09	20.40	5.56	2.82	0.07
17.85	5.34	2.63	0.09	20.45	5.56	2.82	0.07
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.07
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.07
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.07
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.07
18.10	5.36	2.65	0.08	20.70	5.58	2.84	0.07
18.15	5.36	2.66	0.08	20.75	5.59	2.84	0.07

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.07	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.07	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.07	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.07	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.07	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.07	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.07	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.07	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.07	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.07	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.07	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.07	23.95	5.81	3.02	0.07
21.40	5.64	2.88	0.07	24.00	**5.81**	**3.03**	0.06
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.00
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.06	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.06	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.06	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.06	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.06	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 16BP: PDA-16B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 17AI: PDA-17A (impervious)

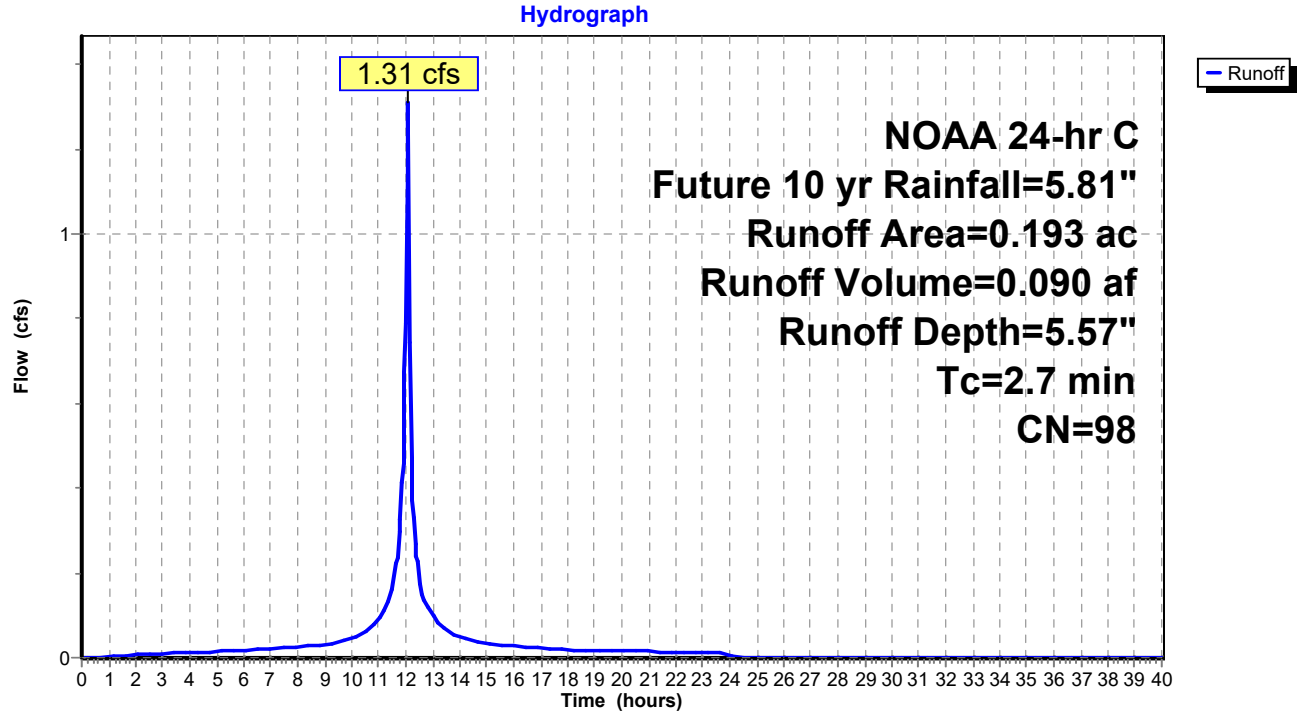
Runoff = 1.31 cfs @ 12.09 hrs, Volume= 0.090 af, Depth= 5.57"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.193	98	Roof, HSG C
	0.000	98	Paved roads w/curbs & sewers, HSG C
*	0.000	98	Concrete, HSG C
	0.193	98	Weighted Average
	0.193		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AI: PDA-17A (impervious)



Hydrograph for Subcatchment 17AI: PDA-17A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.01
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.01
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.01
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.01
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.01
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.01
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.01
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.01
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.01
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.01
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.01
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.01
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.01
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.01
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.01
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.01
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.01
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.01
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.01
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.01
1.00	0.06	0.00	0.00	3.60	0.25	0.11	0.01
1.05	0.07	0.00	0.00	3.65	0.26	0.11	0.01
1.10	0.07	0.00	0.00	3.70	0.26	0.11	0.01
1.15	0.07	0.00	0.00	3.75	0.26	0.12	0.01
1.20	0.08	0.01	0.00	3.80	0.27	0.12	0.01
1.25	0.08	0.01	0.00	3.85	0.27	0.12	0.01
1.30	0.08	0.01	0.00	3.90	0.28	0.13	0.01
1.35	0.09	0.01	0.00	3.95	0.28	0.13	0.01
1.40	0.09	0.01	0.00	4.00	0.28	0.13	0.01
1.45	0.09	0.01	0.00	4.05	0.29	0.14	0.01
1.50	0.10	0.01	0.00	4.10	0.29	0.14	0.01
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.01
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.01
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.01
1.70	0.11	0.02	0.01	4.30	0.31	0.15	0.01
1.75	0.11	0.02	0.01	4.35	0.31	0.16	0.01
1.80	0.12	0.02	0.01	4.40	0.32	0.16	0.01
1.85	0.12	0.02	0.01	4.45	0.32	0.16	0.01
1.90	0.12	0.02	0.01	4.50	0.33	0.17	0.01
1.95	0.13	0.03	0.01	4.55	0.33	0.17	0.01
2.00	0.13	0.03	0.01	4.60	0.33	0.17	0.01
2.05	0.13	0.03	0.01	4.65	0.34	0.18	0.01
2.10	0.14	0.03	0.01	4.70	0.34	0.18	0.01
2.15	0.14	0.03	0.01	4.75	0.35	0.18	0.01
2.20	0.15	0.04	0.01	4.80	0.35	0.19	0.01
2.25	0.15	0.04	0.01	4.85	0.36	0.19	0.01
2.30	0.15	0.04	0.01	4.90	0.36	0.20	0.01
2.35	0.16	0.04	0.01	4.95	0.37	0.20	0.01
2.40	0.16	0.04	0.01	5.00	0.37	0.20	0.01
2.45	0.16	0.05	0.01	5.05	0.37	0.21	0.01
2.50	0.17	0.05	0.01	5.10	0.38	0.21	0.01
2.55	0.17	0.05	0.01	5.15	0.38	0.21	0.01

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.01	7.80	0.67	0.47	0.02
5.25	0.39	0.22	0.01	7.85	0.68	0.48	0.03
5.30	0.40	0.23	0.02	7.90	0.68	0.49	0.03
5.35	0.40	0.23	0.02	7.95	0.69	0.49	0.03
5.40	0.41	0.23	0.02	8.00	0.70	0.50	0.03
5.45	0.41	0.24	0.02	8.05	0.70	0.51	0.03
5.50	0.41	0.24	0.02	8.10	0.71	0.51	0.03
5.55	0.42	0.25	0.02	8.15	0.72	0.52	0.03
5.60	0.42	0.25	0.02	8.20	0.72	0.53	0.03
5.65	0.43	0.25	0.02	8.25	0.73	0.53	0.03
5.70	0.43	0.26	0.02	8.30	0.74	0.54	0.03
5.75	0.44	0.26	0.02	8.35	0.75	0.55	0.03
5.80	0.44	0.27	0.02	8.40	0.75	0.55	0.03
5.85	0.45	0.27	0.02	8.45	0.76	0.56	0.03
5.90	0.45	0.27	0.02	8.50	0.77	0.57	0.03
5.95	0.46	0.28	0.02	8.55	0.78	0.58	0.03
6.00	0.46	0.28	0.02	8.60	0.78	0.58	0.03
6.05	0.47	0.29	0.02	8.65	0.79	0.59	0.03
6.10	0.47	0.29	0.02	8.70	0.80	0.60	0.03
6.15	0.47	0.30	0.02	8.75	0.81	0.61	0.03
6.20	0.48	0.30	0.02	8.80	0.82	0.61	0.03
6.25	0.48	0.30	0.02	8.85	0.82	0.62	0.03
6.30	0.49	0.31	0.02	8.90	0.83	0.63	0.03
6.35	0.50	0.31	0.02	8.95	0.84	0.64	0.03
6.40	0.50	0.32	0.02	9.00	0.85	0.64	0.03
6.45	0.51	0.32	0.02	9.05	0.86	0.65	0.03
6.50	0.51	0.33	0.02	9.10	0.87	0.66	0.03
6.55	0.52	0.33	0.02	9.15	0.87	0.67	0.03
6.60	0.52	0.34	0.02	9.20	0.88	0.68	0.03
6.65	0.53	0.34	0.02	9.25	0.89	0.69	0.03
6.70	0.53	0.35	0.02	9.30	0.90	0.70	0.04
6.75	0.54	0.35	0.02	9.35	0.91	0.71	0.04
6.80	0.54	0.36	0.02	9.40	0.92	0.72	0.04
6.85	0.55	0.36	0.02	9.45	0.93	0.73	0.04
6.90	0.56	0.37	0.02	9.50	0.94	0.74	0.04
6.95	0.56	0.37	0.02	9.55	0.95	0.75	0.04
7.00	0.57	0.38	0.02	9.60	0.96	0.76	0.04
7.05	0.57	0.38	0.02	9.65	0.98	0.77	0.04
7.10	0.58	0.39	0.02	9.70	0.99	0.78	0.04
7.15	0.58	0.40	0.02	9.75	1.00	0.79	0.04
7.20	0.59	0.40	0.02	9.80	1.01	0.80	0.04
7.25	0.60	0.41	0.02	9.85	1.02	0.81	0.05
7.30	0.60	0.41	0.02	9.90	1.03	0.82	0.05
7.35	0.61	0.42	0.02	9.95	1.05	0.84	0.05
7.40	0.62	0.42	0.02	10.00	1.06	0.85	0.05
7.45	0.62	0.43	0.02	10.05	1.07	0.86	0.05
7.50	0.63	0.44	0.02	10.10	1.09	0.87	0.05
7.55	0.64	0.44	0.02	10.15	1.10	0.89	0.05
7.60	0.64	0.45	0.02	10.20	1.11	0.90	0.05
7.65	0.65	0.45	0.02	10.25	1.13	0.91	0.05
7.70	0.65	0.46	0.02	10.30	1.14	0.93	0.05
7.75	0.66	0.47	0.02	10.35	1.15	0.94	0.05

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.05	13.00	4.42	4.18	0.10
10.45	1.18	0.97	0.06	13.05	4.44	4.20	0.09
10.50	1.20	0.98	0.06	13.10	4.46	4.23	0.09
10.55	1.21	1.00	0.06	13.15	4.48	4.25	0.09
10.60	1.23	1.02	0.06	13.20	4.50	4.27	0.08
10.65	1.25	1.03	0.07	13.25	4.52	4.29	0.08
10.70	1.27	1.05	0.07	13.30	4.54	4.31	0.08
10.75	1.29	1.07	0.07	13.35	4.56	4.33	0.07
10.80	1.31	1.09	0.08	13.40	4.58	4.34	0.07
10.85	1.33	1.11	0.08	13.45	4.60	4.36	0.07
10.90	1.35	1.13	0.08	13.50	4.61	4.38	0.06
10.95	1.37	1.15	0.09	13.55	4.63	4.39	0.06
11.00	1.39	1.18	0.09	13.60	4.64	4.41	0.06
11.05	1.42	1.20	0.10	13.65	4.66	4.42	0.06
11.10	1.45	1.23	0.10	13.70	4.67	4.43	0.06
11.15	1.48	1.26	0.11	13.75	4.68	4.45	0.05
11.20	1.51	1.29	0.11	13.80	4.70	4.46	0.05
11.25	1.54	1.32	0.12	13.85	4.71	4.48	0.05
11.30	1.57	1.35	0.12	13.90	4.72	4.49	0.05
11.35	1.61	1.38	0.13	13.95	4.74	4.50	0.05
11.40	1.64	1.42	0.14	14.00	4.75	4.51	0.05
11.45	1.68	1.46	0.14	14.05	4.76	4.53	0.05
11.50	1.72	1.49	0.15	14.10	4.78	4.54	0.05
11.55	1.78	1.55	0.20	14.15	4.79	4.55	0.05
11.60	1.83	1.61	0.22	14.20	4.80	4.56	0.05
11.65	1.90	1.67	0.23	14.25	4.81	4.57	0.05
11.70	1.96	1.73	0.24	14.30	4.82	4.59	0.05
11.75	2.04	1.82	0.30	14.35	4.83	4.60	0.04
11.80	2.13	1.90	0.33	14.40	4.85	4.61	0.04
11.85	2.25	2.02	0.41	14.45	4.86	4.62	0.04
11.90	2.36	2.13	0.46	14.50	4.87	4.63	0.04
11.95	2.57	2.34	0.67	14.55	4.88	4.64	0.04
12.00	2.77	2.54	0.79	14.60	4.89	4.65	0.04
12.05	3.11	2.88	1.14	14.65	4.90	4.66	0.04
12.10	3.45	3.21	**1.28**	14.70	4.91	4.67	0.04
12.15	3.56	3.33	0.74	14.75	4.92	4.68	0.04
12.20	3.68	3.45	0.47	14.80	4.93	4.69	0.04
12.25	3.77	3.53	0.37	14.85	4.94	4.70	0.04
12.30	3.85	3.62	0.33	14.90	4.94	4.71	0.03
12.35	3.91	3.68	0.27	14.95	4.95	4.72	0.03
12.40	3.98	3.74	0.24	15.00	4.96	4.72	0.03
12.45	4.03	3.80	0.23	15.05	4.97	4.73	0.03
12.50	4.09	3.86	0.23	15.10	4.98	4.74	0.03
12.55	4.13	3.90	0.17	15.15	4.99	4.75	0.03
12.60	4.17	3.93	0.15	15.20	4.99	4.76	0.03
12.65	4.20	3.97	0.14	15.25	5.00	4.76	0.03
12.70	4.24	4.00	0.14	15.30	5.01	4.77	0.03
12.75	4.27	4.04	0.13	15.35	5.02	4.78	0.03
12.80	4.30	4.07	0.13	15.40	5.03	4.79	0.03
12.85	4.33	4.10	0.12	15.45	5.03	4.80	0.03
12.90	4.36	4.13	0.11	15.50	5.04	4.80	0.03
12.95	4.39	4.15	0.11	15.55	5.05	4.81	0.03

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.03	18.20	5.37	5.13	0.02
15.65	5.06	4.83	0.03	18.25	5.37	5.14	0.02
15.70	5.07	4.83	0.03	18.30	5.38	5.14	0.02
15.75	5.08	4.84	0.03	18.35	5.38	5.14	0.02
15.80	5.09	4.85	0.03	18.40	5.39	5.15	0.02
15.85	5.09	4.86	0.03	18.45	5.39	5.15	0.02
15.90	5.10	4.86	0.03	18.50	5.40	5.16	0.02
15.95	5.11	4.87	0.03	18.55	5.40	5.16	0.02
16.00	5.11	4.88	0.03	18.60	5.40	5.17	0.02
16.05	5.12	4.88	0.03	18.65	5.41	5.17	0.02
16.10	5.13	4.89	0.03	18.70	5.41	5.18	0.02
16.15	5.13	4.90	0.03	18.75	5.42	5.18	0.02
16.20	5.14	4.90	0.03	18.80	5.42	5.19	0.02
16.25	5.15	4.91	0.03	18.85	5.43	5.19	0.02
16.30	5.16	4.92	0.03	18.90	5.43	5.19	0.02
16.35	5.16	4.92	0.03	18.95	5.44	5.20	0.02
16.40	5.17	4.93	0.03	19.00	5.44	5.20	0.02
16.45	5.17	4.94	0.03	19.05	5.44	5.21	0.02
16.50	5.18	4.94	0.03	19.10	5.45	5.21	0.02
16.55	5.19	4.95	0.03	19.15	5.45	5.22	0.02
16.60	5.19	4.96	0.02	19.20	5.46	5.22	0.02
16.65	5.20	4.96	0.02	19.25	5.46	5.22	0.02
16.70	5.21	4.97	0.02	19.30	5.47	5.23	0.02
16.75	5.21	4.98	0.02	19.35	5.47	5.23	0.02
16.80	5.22	4.98	0.02	19.40	5.48	5.24	0.02
16.85	5.23	4.99	0.02	19.45	5.48	5.24	0.02
16.90	5.23	4.99	0.02	19.50	5.48	5.25	0.02
16.95	5.24	5.00	0.02	19.55	5.49	5.25	0.02
17.00	5.24	5.01	0.02	19.60	5.49	5.25	0.02
17.05	5.25	5.01	0.02	19.65	5.50	5.26	0.02
17.10	5.25	5.02	0.02	19.70	5.50	5.26	0.02
17.15	5.26	5.02	0.02	19.75	5.50	5.27	0.02
17.20	5.27	5.03	0.02	19.80	5.51	5.27	0.02
17.25	5.27	5.03	0.02	19.85	5.51	5.28	0.02
17.30	5.28	5.04	0.02	19.90	5.52	5.28	0.02
17.35	5.28	5.05	0.02	19.95	5.52	5.28	0.02
17.40	5.29	5.05	0.02	20.00	5.53	5.29	0.02
17.45	5.29	5.06	0.02	20.05	5.53	5.29	0.02
17.50	5.30	5.06	0.02	20.10	5.53	5.30	0.02
17.55	5.30	5.07	0.02	20.15	5.54	5.30	0.02
17.60	5.31	5.07	0.02	20.20	5.54	5.30	0.02
17.65	5.31	5.08	0.02	20.25	5.55	5.31	0.02
17.70	5.32	5.08	0.02	20.30	5.55	5.31	0.02
17.75	5.33	5.09	0.02	20.35	5.55	5.32	0.02
17.80	5.33	5.09	0.02	20.40	5.56	5.32	0.02
17.85	5.34	5.10	0.02	20.45	5.56	5.32	0.02
17.90	5.34	5.10	0.02	20.50	5.57	5.33	0.02
17.95	5.34	5.11	0.02	20.55	5.57	5.33	0.02
18.00	5.35	5.11	0.02	20.60	5.57	5.34	0.02
18.05	5.35	5.12	0.02	20.65	5.58	5.34	0.02
18.10	5.36	5.12	0.02	20.70	5.58	5.34	0.02
18.15	5.36	5.13	0.02	20.75	5.59	5.35	0.02

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.02	23.40	5.77	5.53	0.01
20.85	5.59	5.36	0.02	23.45	5.78	5.54	0.01
20.90	5.60	5.36	0.02	23.50	5.78	5.54	0.01
20.95	5.60	5.36	0.01	23.55	5.78	5.54	0.01
21.00	5.61	5.37	0.01	23.60	5.78	5.55	0.01
21.05	5.61	5.37	0.01	23.65	5.79	5.55	0.01
21.10	5.61	5.37	0.01	23.70	5.79	5.55	0.01
21.15	5.62	5.38	0.01	23.75	5.79	5.56	0.01
21.20	5.62	5.38	0.01	23.80	5.80	5.56	0.01
21.25	5.62	5.39	0.01	23.85	5.80	5.56	0.01
21.30	5.63	5.39	0.01	23.90	5.80	5.56	0.01
21.35	5.63	5.39	0.01	23.95	5.81	5.57	0.01
21.40	5.64	5.40	0.01	24.00	**5.81**	**5.57**	0.01
21.45	5.64	5.40	0.01	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.01	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.01	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.01	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.01	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.01	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.01	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.01	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.01	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.01	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.01	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.01	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.01	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.01	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.01	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.01	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.01	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.01	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.01	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.01	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.01	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.01	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.01	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.01	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.01	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.01	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.01	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.01	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.01	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.01	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.01	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.01	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.01	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.01	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.01	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.01	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.01	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.01	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.01	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 17AI: PDA-17A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 17AP: PDA-17A (pervious)

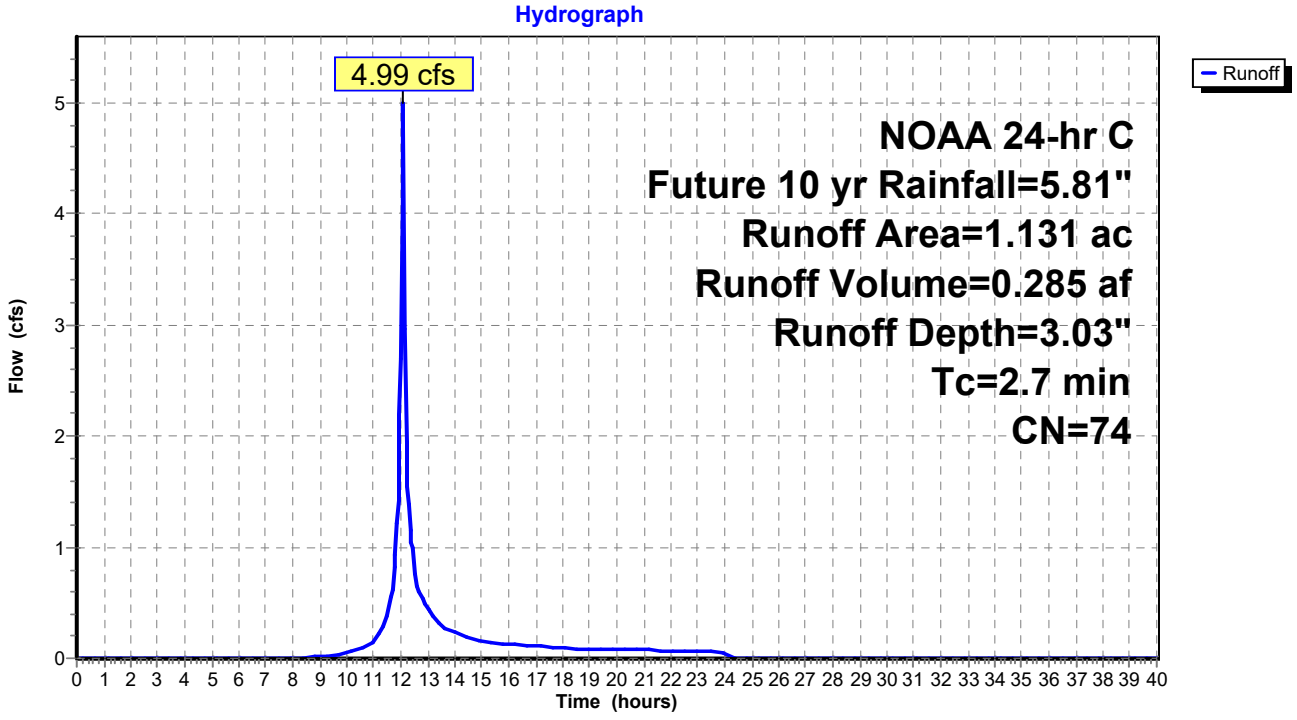
Runoff = 4.99 cfs @ 12.09 hrs, Volume= 0.285 af, Depth= 3.03"
Routed to Pond B-17A : Basin #17A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.131	74	>75% Grass cover, Good, HSG C
1.131		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 17AP: PDA-17A (pervious)



Hydrograph for Subcatchment 17AP: PDA-17A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.05
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.06
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.07

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.07	13.00	4.42	1.91	0.45
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.42
10.50	1.20	0.06	0.08	13.10	4.46	1.94	0.40
10.55	1.21	0.06	0.08	13.15	4.48	1.96	0.38
10.60	1.23	0.07	0.09	13.20	4.50	1.98	0.37
10.65	1.25	0.07	0.10	13.25	4.52	1.99	0.36
10.70	1.27	0.08	0.10	13.30	4.54	2.01	0.35
10.75	1.29	0.08	0.11	13.35	4.56	2.02	0.33
10.80	1.31	0.09	0.12	13.40	4.58	2.03	0.32
10.85	1.33	0.09	0.13	13.45	4.60	2.05	0.30
10.90	1.35	0.10	0.14	13.50	4.61	2.06	0.29
10.95	1.37	0.11	0.15	13.55	4.63	2.07	0.27
11.00	1.39	0.11	0.16	13.60	4.64	2.08	0.26
11.05	1.42	0.12	0.17	13.65	4.66	2.09	0.26
11.10	1.45	0.13	0.19	13.70	4.67	2.10	0.25
11.15	1.48	0.14	0.21	13.75	4.68	2.12	0.25
11.20	1.51	0.15	0.22	13.80	4.70	2.13	0.25
11.25	1.54	0.16	0.24	13.85	4.71	2.14	0.24
11.30	1.57	0.17	0.26	13.90	4.72	2.15	0.24
11.35	1.61	0.18	0.28	13.95	4.74	2.16	0.23
11.40	1.64	0.20	0.30	14.00	4.75	2.17	0.23
11.45	1.68	0.21	0.32	14.05	4.76	2.18	0.23
11.50	1.72	0.23	0.34	14.10	4.78	2.19	0.22
11.55	1.78	0.25	0.47	14.15	4.79	2.20	0.22
11.60	1.83	0.28	0.55	14.20	4.80	2.21	0.22
11.65	1.90	0.30	0.60	14.25	4.81	2.21	0.21
11.70	1.96	0.33	0.63	14.30	4.82	2.22	0.21
11.75	2.04	0.37	0.81	14.35	4.83	2.23	0.20
11.80	2.13	0.41	0.93	14.40	4.85	2.24	0.20
11.85	2.25	0.47	1.22	14.45	4.86	2.25	0.20
11.90	2.36	0.53	1.41	14.50	4.87	2.26	0.19
11.95	2.57	0.65	2.18	14.55	4.88	2.27	0.19
12.00	2.77	0.77	2.69	14.60	4.89	2.27	0.19
12.05	3.11	0.98	4.13	14.65	4.90	2.28	0.18
12.10	3.45	1.20	**4.93**	14.70	4.91	2.29	0.18
12.15	3.56	1.28	2.97	14.75	4.92	2.30	0.17
12.20	3.68	1.37	1.94	14.80	4.93	2.31	0.17
12.25	3.77	1.43	1.55	14.85	4.94	2.31	0.17
12.30	3.85	1.49	1.39	14.90	4.94	2.32	0.16
12.35	3.91	1.53	1.14	14.95	4.95	2.33	0.16
12.40	3.98	1.58	1.03	15.00	4.96	2.33	0.16
12.45	4.03	1.62	1.00	15.05	4.97	2.34	0.15
12.50	4.09	1.67	0.98	15.10	4.98	2.35	0.15
12.55	4.13	1.69	0.76	15.15	4.99	2.35	0.15
12.60	4.17	1.72	0.65	15.20	4.99	2.36	0.15
12.65	4.20	1.75	0.62	15.25	5.00	2.37	0.14
12.70	4.24	1.77	0.61	15.30	5.01	2.37	0.14
12.75	4.27	1.80	0.57	15.35	5.02	2.38	0.14
12.80	4.30	1.82	0.56	15.40	5.03	2.38	0.14
12.85	4.33	1.85	0.52	15.45	5.03	2.39	0.14
12.90	4.36	1.87	0.51	15.50	5.04	2.40	0.14
12.95	4.39	1.89	0.47	15.55	5.05	2.40	0.14

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.14	18.20	5.37	2.66	0.09
15.65	5.06	2.41	0.14	18.25	5.37	2.67	0.09
15.70	5.07	2.42	0.14	18.30	5.38	2.67	0.09
15.75	5.08	2.43	0.13	18.35	5.38	2.67	0.09
15.80	5.09	2.43	0.13	18.40	5.39	2.68	0.09
15.85	5.09	2.44	0.13	18.45	5.39	2.68	0.09
15.90	5.10	2.44	0.13	18.50	5.40	2.68	0.08
15.95	5.11	2.45	0.13	18.55	5.40	2.69	0.08
16.00	5.11	2.46	0.13	18.60	5.40	2.69	0.08
16.05	5.12	2.46	0.13	18.65	5.41	2.69	0.08
16.10	5.13	2.47	0.13	18.70	5.41	2.70	0.08
16.15	5.13	2.47	0.13	18.75	5.42	2.70	0.08
16.20	5.14	2.48	0.13	18.80	5.42	2.71	0.08
16.25	5.15	2.48	0.12	18.85	5.43	2.71	0.08
16.30	5.16	2.49	0.12	18.90	5.43	2.71	0.08
16.35	5.16	2.49	0.12	18.95	5.44	2.72	0.08
16.40	5.17	2.50	0.12	19.00	5.44	2.72	0.08
16.45	5.17	2.50	0.12	19.05	5.44	2.72	0.08
16.50	5.18	2.51	0.12	19.10	5.45	2.73	0.08
16.55	5.19	2.52	0.12	19.15	5.45	2.73	0.08
16.60	5.19	2.52	0.12	19.20	5.46	2.73	0.08
16.65	5.20	2.53	0.12	19.25	5.46	2.74	0.08
16.70	5.21	2.53	0.12	19.30	5.47	2.74	0.08
16.75	5.21	2.54	0.11	19.35	5.47	2.75	0.08
16.80	5.22	2.54	0.11	19.40	5.48	2.75	0.08
16.85	5.23	2.55	0.11	19.45	5.48	2.75	0.08
16.90	5.23	2.55	0.11	19.50	5.48	2.76	0.08
16.95	5.24	2.55	0.11	19.55	5.49	2.76	0.08
17.00	5.24	2.56	0.11	19.60	5.49	2.76	0.08
17.05	5.25	2.56	0.11	19.65	5.50	2.77	0.08
17.10	5.25	2.57	0.11	19.70	5.50	2.77	0.08
17.15	5.26	2.57	0.11	19.75	5.50	2.77	0.08
17.20	5.27	2.58	0.11	19.80	5.51	2.78	0.08
17.25	5.27	2.58	0.10	19.85	5.51	2.78	0.08
17.30	5.28	2.59	0.10	19.90	5.52	2.78	0.08
17.35	5.28	2.59	0.10	19.95	5.52	2.79	0.08
17.40	5.29	2.60	0.10	20.00	5.53	2.79	0.08
17.45	5.29	2.60	0.10	20.05	5.53	2.79	0.08
17.50	5.30	2.61	0.10	20.10	5.53	2.80	0.08
17.55	5.30	2.61	0.10	20.15	5.54	2.80	0.08
17.60	5.31	2.61	0.10	20.20	5.54	2.80	0.08
17.65	5.31	2.62	0.10	20.25	5.55	2.81	0.08
17.70	5.32	2.62	0.10	20.30	5.55	2.81	0.08
17.75	5.33	2.63	0.09	20.35	5.55	2.81	0.08
17.80	5.33	2.63	0.09	20.40	5.56	2.82	0.08
17.85	5.34	2.63	0.09	20.45	5.56	2.82	0.07
17.90	5.34	2.64	0.09	20.50	5.57	2.82	0.07
17.95	5.34	2.64	0.09	20.55	5.57	2.83	0.07
18.00	5.35	2.65	0.09	20.60	5.57	2.83	0.07
18.05	5.35	2.65	0.09	20.65	5.58	2.83	0.07
18.10	5.36	2.65	0.09	20.70	5.58	2.84	0.07
18.15	5.36	2.66	0.09	20.75	5.59	2.84	0.07

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.07	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.07	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.07	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.07	23.55	5.78	3.00	0.06
21.00	5.61	2.86	0.07	23.60	5.78	3.00	0.06
21.05	5.61	2.86	0.07	23.65	5.79	3.01	0.06
21.10	5.61	2.86	0.07	23.70	5.79	3.01	0.06
21.15	5.62	2.87	0.07	23.75	5.79	3.01	0.06
21.20	5.62	2.87	0.07	23.80	5.80	3.01	0.06
21.25	5.62	2.87	0.07	23.85	5.80	3.02	0.06
21.30	5.63	2.87	0.07	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.07	23.95	5.81	3.02	0.07
21.40	5.64	2.88	0.07	24.00	**5.81**	**3.03**	0.07
21.45	5.64	2.88	0.07	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.07	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.07	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.07	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.07	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.07	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.07	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.07	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.07	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.07	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.07	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.07	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.07	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.07	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.07	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.07	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.07	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.07	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.07	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.06	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.06	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.06	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.06	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 17AP: PDA-17A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 17BI: PDA-17B (impervious)

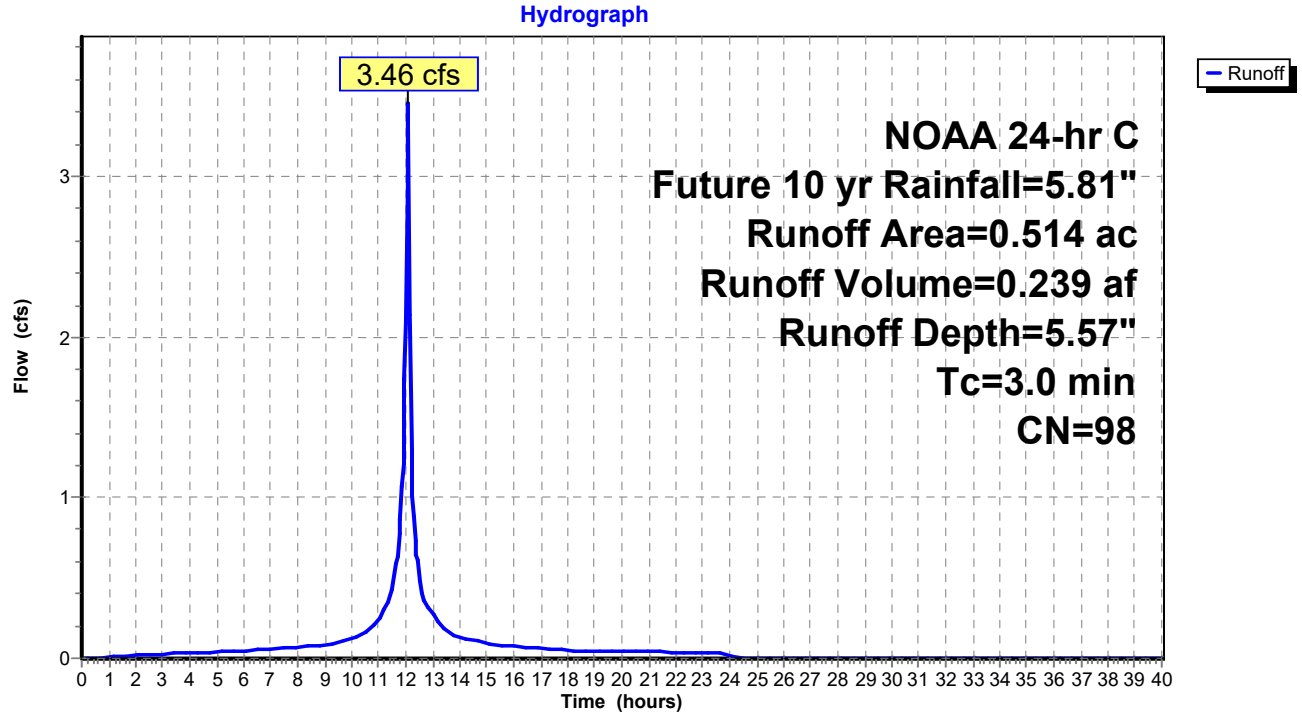
Runoff = 3.46 cfs @ 12.09 hrs, Volume= 0.239 af, Depth= 5.57"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.514	98	Roof, HSG C
	0.514		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BI: PDA-17B (impervious)



Hydrograph for Subcatchment 17BI: PDA-17B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.04
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.04
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.04
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.04
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.04
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.04
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.04
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.04
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.04
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.04
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.04
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.04
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.04
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.04
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.04
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.04
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.04

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.04	7.80	0.67	0.47	0.07
5.25	0.39	0.22	0.04	7.85	0.68	0.48	0.07
5.30	0.40	0.23	0.04	7.90	0.68	0.49	0.07
5.35	0.40	0.23	0.04	7.95	0.69	0.49	0.07
5.40	0.41	0.23	0.04	8.00	0.70	0.50	0.07
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.07
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.07
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.07
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.07
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.07
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.07
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.07
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.07
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.07
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.07
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.08
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.08
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.08
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.08
6.15	0.47	0.30	0.05	8.75	0.81	0.61	0.08
6.20	0.48	0.30	0.05	8.80	0.82	0.61	0.08
6.25	0.48	0.30	0.05	8.85	0.82	0.62	0.08
6.30	0.49	0.31	0.05	8.90	0.83	0.63	0.08
6.35	0.50	0.31	0.05	8.95	0.84	0.64	0.08
6.40	0.50	0.32	0.05	9.00	0.85	0.64	0.08
6.45	0.51	0.32	0.05	9.05	0.86	0.65	0.08
6.50	0.51	0.33	0.05	9.10	0.87	0.66	0.09
6.55	0.52	0.33	0.05	9.15	0.87	0.67	0.09
6.60	0.52	0.34	0.05	9.20	0.88	0.68	0.09
6.65	0.53	0.34	0.05	9.25	0.89	0.69	0.09
6.70	0.53	0.35	0.05	9.30	0.90	0.70	0.09
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.10
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.10
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.10
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.10
6.95	0.56	0.37	0.06	9.55	0.95	0.75	0.11
7.00	0.57	0.38	0.06	9.60	0.96	0.76	0.11
7.05	0.57	0.38	0.06	9.65	0.98	0.77	0.11
7.10	0.58	0.39	0.06	9.70	0.99	0.78	0.11
7.15	0.58	0.40	0.06	9.75	1.00	0.79	0.11
7.20	0.59	0.40	0.06	9.80	1.01	0.80	0.12
7.25	0.60	0.41	0.06	9.85	1.02	0.81	0.12
7.30	0.60	0.41	0.06	9.90	1.03	0.82	0.12
7.35	0.61	0.42	0.06	9.95	1.05	0.84	0.12
7.40	0.62	0.42	0.06	10.00	1.06	0.85	0.13
7.45	0.62	0.43	0.06	10.05	1.07	0.86	0.13
7.50	0.63	0.44	0.06	10.10	1.09	0.87	0.13
7.55	0.64	0.44	0.06	10.15	1.10	0.89	0.13
7.60	0.64	0.45	0.06	10.20	1.11	0.90	0.14
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.14
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.14
7.75	0.66	0.47	0.07	10.35	1.15	0.94	0.14

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.14	13.00	4.42	4.18	0.27
10.45	1.18	0.97	0.15	13.05	4.44	4.20	0.25
10.50	1.20	0.98	0.15	13.10	4.46	4.23	0.24
10.55	1.21	1.00	0.16	13.15	4.48	4.25	0.23
10.60	1.23	1.02	0.17	13.20	4.50	4.27	0.22
10.65	1.25	1.03	0.18	13.25	4.52	4.29	0.21
10.70	1.27	1.05	0.18	13.30	4.54	4.31	0.20
10.75	1.29	1.07	0.19	13.35	4.56	4.33	0.19
10.80	1.31	1.09	0.20	13.40	4.58	4.34	0.19
10.85	1.33	1.11	0.21	13.45	4.60	4.36	0.18
10.90	1.35	1.13	0.22	13.50	4.61	4.38	0.17
10.95	1.37	1.15	0.23	13.55	4.63	4.39	0.16
11.00	1.39	1.18	0.23	13.60	4.64	4.41	0.15
11.05	1.42	1.20	0.25	13.65	4.66	4.42	0.15
11.10	1.45	1.23	0.27	13.70	4.67	4.43	0.15
11.15	1.48	1.26	0.29	13.75	4.68	4.45	0.14
11.20	1.51	1.29	0.30	13.80	4.70	4.46	0.14
11.25	1.54	1.32	0.32	13.85	4.71	4.48	0.14
11.30	1.57	1.35	0.33	13.90	4.72	4.49	0.14
11.35	1.61	1.38	0.35	13.95	4.74	4.50	0.14
11.40	1.64	1.42	0.36	14.00	4.75	4.51	0.13
11.45	1.68	1.46	0.38	14.05	4.76	4.53	0.13
11.50	1.72	1.49	0.39	14.10	4.78	4.54	0.13
11.55	1.78	1.55	0.52	14.15	4.79	4.55	0.13
11.60	1.83	1.61	0.59	14.20	4.80	4.56	0.13
11.65	1.90	1.67	0.62	14.25	4.81	4.57	0.12
11.70	1.96	1.73	0.64	14.30	4.82	4.59	0.12
11.75	2.04	1.82	0.78	14.35	4.83	4.60	0.12
11.80	2.13	1.90	0.87	14.40	4.85	4.61	0.12
11.85	2.25	2.02	1.07	14.45	4.86	4.62	0.11
11.90	2.36	2.13	1.21	14.50	4.87	4.63	0.11
11.95	2.57	2.34	1.74	14.55	4.88	4.64	0.11
12.00	2.77	2.54	2.08	14.60	4.89	4.65	0.11
12.05	3.11	2.88	2.93	14.65	4.90	4.66	0.10
12.10	3.45	3.21	**3.41**	14.70	4.91	4.67	0.10
12.15	3.56	3.33	2.14	14.75	4.92	4.68	0.10
12.20	3.68	3.45	1.30	14.80	4.93	4.69	0.10
12.25	3.77	3.53	1.02	14.85	4.94	4.70	0.10
12.30	3.85	3.62	0.89	14.90	4.94	4.71	0.09
12.35	3.91	3.68	0.74	14.95	4.95	4.72	0.09
12.40	3.98	3.74	0.65	15.00	4.96	4.72	0.09
12.45	4.03	3.80	0.62	15.05	4.97	4.73	0.09
12.50	4.09	3.86	0.61	15.10	4.98	4.74	0.08
12.55	4.13	3.90	0.48	15.15	4.99	4.75	0.08
12.60	4.17	3.93	0.40	15.20	4.99	4.76	0.08
12.65	4.20	3.97	0.38	15.25	5.00	4.76	0.08
12.70	4.24	4.00	0.37	15.30	5.01	4.77	0.08
12.75	4.27	4.04	0.35	15.35	5.02	4.78	0.08
12.80	4.30	4.07	0.34	15.40	5.03	4.79	0.08
12.85	4.33	4.10	0.32	15.45	5.03	4.80	0.08
12.90	4.36	4.13	0.30	15.50	5.04	4.80	0.08
12.95	4.39	4.15	0.28	15.55	5.05	4.81	0.08

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.08	18.20	5.37	5.13	0.05
15.65	5.06	4.83	0.08	18.25	5.37	5.14	0.05
15.70	5.07	4.83	0.08	18.30	5.38	5.14	0.05
15.75	5.08	4.84	0.08	18.35	5.38	5.14	0.05
15.80	5.09	4.85	0.08	18.40	5.39	5.15	0.05
15.85	5.09	4.86	0.08	18.45	5.39	5.15	0.05
15.90	5.10	4.86	0.07	18.50	5.40	5.16	0.05
15.95	5.11	4.87	0.07	18.55	5.40	5.16	0.05
16.00	5.11	4.88	0.07	18.60	5.40	5.17	0.05
16.05	5.12	4.88	0.07	18.65	5.41	5.17	0.05
16.10	5.13	4.89	0.07	18.70	5.41	5.18	0.05
16.15	5.13	4.90	0.07	18.75	5.42	5.18	0.05
16.20	5.14	4.90	0.07	18.80	5.42	5.19	0.05
16.25	5.15	4.91	0.07	18.85	5.43	5.19	0.05
16.30	5.16	4.92	0.07	18.90	5.43	5.19	0.05
16.35	5.16	4.92	0.07	18.95	5.44	5.20	0.05
16.40	5.17	4.93	0.07	19.00	5.44	5.20	0.05
16.45	5.17	4.94	0.07	19.05	5.44	5.21	0.05
16.50	5.18	4.94	0.07	19.10	5.45	5.21	0.05
16.55	5.19	4.95	0.07	19.15	5.45	5.22	0.05
16.60	5.19	4.96	0.07	19.20	5.46	5.22	0.05
16.65	5.20	4.96	0.07	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.07	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.06	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.06	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.06	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.06	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.06	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.06	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.06	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.06	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.06	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.06	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.06	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.06	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.06	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.06	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.06	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.06	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.05	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.05	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.05	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.05	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.05	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.05	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.05	20.65	5.58	5.34	0.04
18.10	5.36	5.12	0.05	20.70	5.58	5.34	0.04
18.15	5.36	5.13	0.05	20.75	5.59	5.35	0.04

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.04	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.04	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.04	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.04	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.04	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.04	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.04	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.04	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.04	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.04	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.04	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.04	23.95	5.81	5.57	0.04
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.04
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.04	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.04	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.04	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.04	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.04	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.04	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.04	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.04	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.04	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.04	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.04	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.04	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.04	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.04	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.04	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.04	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.04	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.04	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.04	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.04	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.04	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.04	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.04	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 17BI: PDA-17B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 17BP: PDA-17B (pervious)

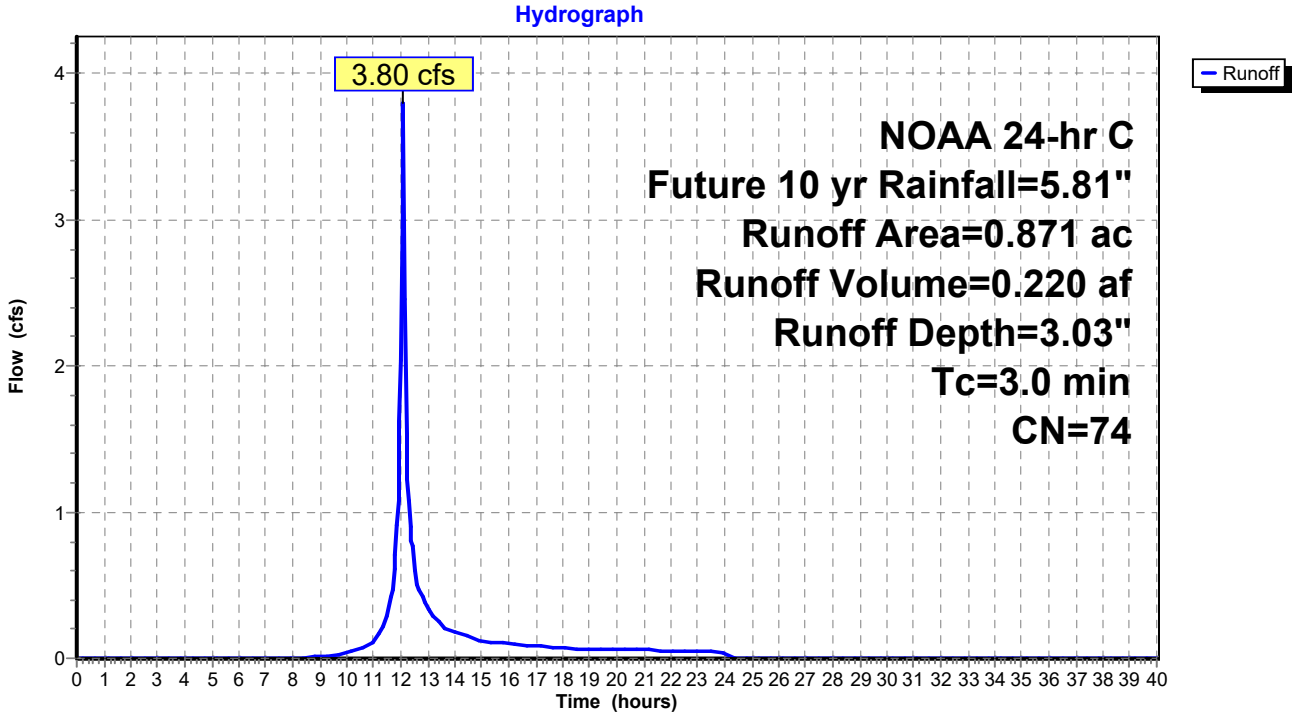
Runoff = 3.80 cfs @ 12.09 hrs, Volume= 0.220 af, Depth= 3.03"
Routed to Pond B-17B : Basin #17B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.871	74	>75% Grass cover, Good, HSG C
0.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 17BP: PDA-17B (pervious)



Hydrograph for Subcatchment 17BP: PDA-17B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.05

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.05	13.00	4.42	1.91	0.35
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.33
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.31
10.55	1.21	0.06	0.06	13.15	4.48	1.96	0.30
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.29
10.65	1.25	0.07	0.07	13.25	4.52	1.99	0.28
10.70	1.27	0.08	0.08	13.30	4.54	2.01	0.27
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.25
10.80	1.31	0.09	0.09	13.40	4.58	2.03	0.25
10.85	1.33	0.09	0.10	13.45	4.60	2.05	0.23
10.90	1.35	0.10	0.10	13.50	4.61	2.06	0.22
10.95	1.37	0.11	0.11	13.55	4.63	2.07	0.21
11.00	1.39	0.11	0.12	13.60	4.64	2.08	0.20
11.05	1.42	0.12	0.13	13.65	4.66	2.09	0.20
11.10	1.45	0.13	0.14	13.70	4.67	2.10	0.19
11.15	1.48	0.14	0.16	13.75	4.68	2.12	0.19
11.20	1.51	0.15	0.17	13.80	4.70	2.13	0.19
11.25	1.54	0.16	0.19	13.85	4.71	2.14	0.19
11.30	1.57	0.17	0.20	13.90	4.72	2.15	0.18
11.35	1.61	0.18	0.22	13.95	4.74	2.16	0.18
11.40	1.64	0.20	0.23	14.00	4.75	2.17	0.18
11.45	1.68	0.21	0.25	14.05	4.76	2.18	0.17
11.50	1.72	0.23	0.26	14.10	4.78	2.19	0.17
11.55	1.78	0.25	0.35	14.15	4.79	2.20	0.17
11.60	1.83	0.28	0.42	14.20	4.80	2.21	0.17
11.65	1.90	0.30	0.46	14.25	4.81	2.21	0.16
11.70	1.96	0.33	0.48	14.30	4.82	2.22	0.16
11.75	2.04	0.37	0.61	14.35	4.83	2.23	0.16
11.80	2.13	0.41	0.71	14.40	4.85	2.24	0.16
11.85	2.25	0.47	0.91	14.45	4.86	2.25	0.15
11.90	2.36	0.53	1.07	14.50	4.87	2.26	0.15
11.95	2.57	0.65	1.62	14.55	4.88	2.27	0.15
12.00	2.77	0.77	2.04	14.60	4.89	2.27	0.14
12.05	3.11	0.98	3.06	14.65	4.90	2.28	0.14
12.10	3.45	1.20	**3.78**	14.70	4.91	2.29	0.14
12.15	3.56	1.28	2.45	14.75	4.92	2.30	0.13
12.20	3.68	1.37	1.53	14.80	4.93	2.31	0.13
12.25	3.77	1.43	1.22	14.85	4.94	2.31	0.13
12.30	3.85	1.49	1.08	14.90	4.94	2.32	0.13
12.35	3.91	1.53	0.90	14.95	4.95	2.33	0.12
12.40	3.98	1.58	0.80	15.00	4.96	2.33	0.12
12.45	4.03	1.62	0.77	15.05	4.97	2.34	0.12
12.50	4.09	1.67	0.76	15.10	4.98	2.35	0.11
12.55	4.13	1.69	0.60	15.15	4.99	2.35	0.11
12.60	4.17	1.72	0.50	15.20	4.99	2.36	0.11
12.65	4.20	1.75	0.48	15.25	5.00	2.37	0.11
12.70	4.24	1.77	0.47	15.30	5.01	2.37	0.11
12.75	4.27	1.80	0.44	15.35	5.02	2.38	0.11
12.80	4.30	1.82	0.43	15.40	5.03	2.38	0.11
12.85	4.33	1.85	0.41	15.45	5.03	2.39	0.11
12.90	4.36	1.87	0.39	15.50	5.04	2.40	0.11
12.95	4.39	1.89	0.37	15.55	5.05	2.40	0.11

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.11	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.11	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.10	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.10	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.10	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.10	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.10	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.10	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.10	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.10	18.65	5.41	2.69	0.06
16.10	5.13	2.47	0.10	18.70	5.41	2.70	0.06
16.15	5.13	2.47	0.10	18.75	5.42	2.70	0.06
16.20	5.14	2.48	0.10	18.80	5.42	2.71	0.06
16.25	5.15	2.48	0.10	18.85	5.43	2.71	0.06
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.06
16.35	5.16	2.49	0.09	18.95	5.44	2.72	0.06
16.40	5.17	2.50	0.09	19.00	5.44	2.72	0.06
16.45	5.17	2.50	0.09	19.05	5.44	2.72	0.06
16.50	5.18	2.51	0.09	19.10	5.45	2.73	0.06
16.55	5.19	2.52	0.09	19.15	5.45	2.73	0.06
16.60	5.19	2.52	0.09	19.20	5.46	2.73	0.06
16.65	5.20	2.53	0.09	19.25	5.46	2.74	0.06
16.70	5.21	2.53	0.09	19.30	5.47	2.74	0.06
16.75	5.21	2.54	0.09	19.35	5.47	2.75	0.06
16.80	5.22	2.54	0.09	19.40	5.48	2.75	0.06
16.85	5.23	2.55	0.09	19.45	5.48	2.75	0.06
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.06
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.06
17.00	5.24	2.56	0.08	19.60	5.49	2.76	0.06
17.05	5.25	2.56	0.08	19.65	5.50	2.77	0.06
17.10	5.25	2.57	0.08	19.70	5.50	2.77	0.06
17.15	5.26	2.57	0.08	19.75	5.50	2.77	0.06
17.20	5.27	2.58	0.08	19.80	5.51	2.78	0.06
17.25	5.27	2.58	0.08	19.85	5.51	2.78	0.06
17.30	5.28	2.59	0.08	19.90	5.52	2.78	0.06
17.35	5.28	2.59	0.08	19.95	5.52	2.79	0.06
17.40	5.29	2.60	0.08	20.00	5.53	2.79	0.06
17.45	5.29	2.60	0.08	20.05	5.53	2.79	0.06
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.06
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.07	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.07	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.07	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.07	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.07	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.07	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.07	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.07	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.07	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.05	23.75	5.79	3.01	0.04
21.20	5.62	2.87	0.05	23.80	5.80	3.01	0.04
21.25	5.62	2.87	0.05	23.85	5.80	3.02	0.04
21.30	5.63	2.87	0.05	23.90	5.80	3.02	0.04
21.35	5.63	2.88	0.05	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.05	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.05	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.05	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.05	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.05	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.05	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.05	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.05	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.05	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.05	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.05	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.05	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.05	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.05	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.05	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.05	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.05	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.05	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.05	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 17BP: PDA-17B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

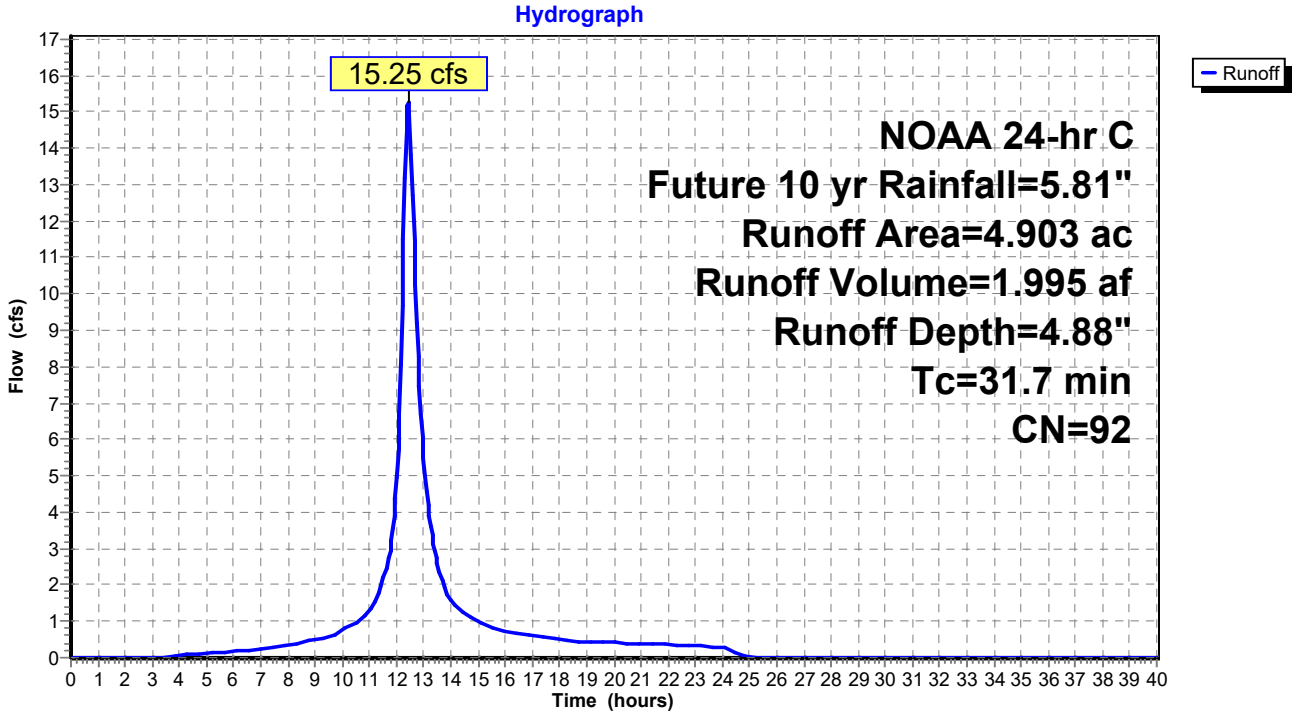
Runoff = 15.25 cfs @ 12.43 hrs, Volume= 1.995 af, Depth= 4.88"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
	4.536	92	Paved roads w/open ditches, 50% imp, HSG C
*	0.367	98	Roofs
	4.903	92	Weighted Average
	2.268		46.26% Pervious Area
	2.635		53.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1I: PDA-1 (offsite impervious)



Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.01
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.01
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.01
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.01
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.02
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.02
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.02
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.02
0.90	0.06	0.00	0.00	3.50	0.24	0.01	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.01	0.03
1.00	0.06	0.00	0.00	3.60	0.25	0.01	0.03
1.05	0.07	0.00	0.00	3.65	0.26	0.01	0.04
1.10	0.07	0.00	0.00	3.70	0.26	0.01	0.04
1.15	0.07	0.00	0.00	3.75	0.26	0.01	0.04
1.20	0.08	0.00	0.00	3.80	0.27	0.01	0.04
1.25	0.08	0.00	0.00	3.85	0.27	0.01	0.05
1.30	0.08	0.00	0.00	3.90	0.28	0.01	0.05
1.35	0.09	0.00	0.00	3.95	0.28	0.01	0.05
1.40	0.09	0.00	0.00	4.00	0.28	0.01	0.06
1.45	0.09	0.00	0.00	4.05	0.29	0.01	0.06
1.50	0.10	0.00	0.00	4.10	0.29	0.01	0.06
1.55	0.10	0.00	0.00	4.15	0.30	0.02	0.07
1.60	0.10	0.00	0.00	4.20	0.30	0.02	0.07
1.65	0.11	0.00	0.00	4.25	0.31	0.02	0.07
1.70	0.11	0.00	0.00	4.30	0.31	0.02	0.07
1.75	0.11	0.00	0.00	4.35	0.31	0.02	0.08
1.80	0.12	0.00	0.00	4.40	0.32	0.02	0.08
1.85	0.12	0.00	0.00	4.45	0.32	0.02	0.08
1.90	0.12	0.00	0.00	4.50	0.33	0.02	0.09
1.95	0.13	0.00	0.00	4.55	0.33	0.02	0.09
2.00	0.13	0.00	0.00	4.60	0.33	0.03	0.09
2.05	0.13	0.00	0.00	4.65	0.34	0.03	0.10
2.10	0.14	0.00	0.00	4.70	0.34	0.03	0.10
2.15	0.14	0.00	0.00	4.75	0.35	0.03	0.10
2.20	0.15	0.00	0.00	4.80	0.35	0.03	0.10
2.25	0.15	0.00	0.00	4.85	0.36	0.03	0.11
2.30	0.15	0.00	0.00	4.90	0.36	0.03	0.11
2.35	0.16	0.00	0.00	4.95	0.37	0.03	0.11
2.40	0.16	0.00	0.00	5.00	0.37	0.04	0.12
2.45	0.16	0.00	0.00	5.05	0.37	0.04	0.12
2.50	0.17	0.00	0.00	5.10	0.38	0.04	0.12
2.55	0.17	0.00	0.00	5.15	0.38	0.04	0.13

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.04	0.13	7.80	0.67	0.18	0.34
5.25	0.39	0.04	0.13	7.85	0.68	0.18	0.35
5.30	0.40	0.05	0.13	7.90	0.68	0.19	0.35
5.35	0.40	0.05	0.14	7.95	0.69	0.19	0.36
5.40	0.41	0.05	0.14	8.00	0.70	0.20	0.37
5.45	0.41	0.05	0.14	8.05	0.70	0.20	0.37
5.50	0.41	0.05	0.15	8.10	0.71	0.20	0.38
5.55	0.42	0.05	0.15	8.15	0.72	0.21	0.38
5.60	0.42	0.06	0.15	8.20	0.72	0.21	0.39
5.65	0.43	0.06	0.15	8.25	0.73	0.22	0.40
5.70	0.43	0.06	0.16	8.30	0.74	0.22	0.40
5.75	0.44	0.06	0.16	8.35	0.75	0.23	0.41
5.80	0.44	0.06	0.16	8.40	0.75	0.23	0.41
5.85	0.45	0.07	0.17	8.45	0.76	0.24	0.42
5.90	0.45	0.07	0.17	8.50	0.77	0.24	0.43
5.95	0.46	0.07	0.17	8.55	0.78	0.25	0.43
6.00	0.46	0.07	0.17	8.60	0.78	0.25	0.44
6.05	0.47	0.07	0.18	8.65	0.79	0.26	0.44
6.10	0.47	0.08	0.18	8.70	0.80	0.26	0.45
6.15	0.47	0.08	0.18	8.75	0.81	0.27	0.46
6.20	0.48	0.08	0.19	8.80	0.82	0.27	0.46
6.25	0.48	0.08	0.19	8.85	0.82	0.28	0.47
6.30	0.49	0.08	0.19	8.90	0.83	0.28	0.48
6.35	0.50	0.09	0.20	8.95	0.84	0.29	0.48
6.40	0.50	0.09	0.20	9.00	0.85	0.29	0.49
6.45	0.51	0.09	0.20	9.05	0.86	0.30	0.50
6.50	0.51	0.09	0.21	9.10	0.87	0.31	0.50
6.55	0.52	0.10	0.21	9.15	0.87	0.31	0.51
6.60	0.52	0.10	0.22	9.20	0.88	0.32	0.52
6.65	0.53	0.10	0.22	9.25	0.89	0.33	0.53
6.70	0.53	0.10	0.22	9.30	0.90	0.33	0.53
6.75	0.54	0.11	0.23	9.35	0.91	0.34	0.55
6.80	0.54	0.11	0.23	9.40	0.92	0.35	0.56
6.85	0.55	0.11	0.24	9.45	0.93	0.35	0.57
6.90	0.56	0.12	0.24	9.50	0.94	0.36	0.58
6.95	0.56	0.12	0.25	9.55	0.95	0.37	0.60
7.00	0.57	0.12	0.25	9.60	0.96	0.38	0.61
7.05	0.57	0.13	0.26	9.65	0.98	0.38	0.63
7.10	0.58	0.13	0.26	9.70	0.99	0.39	0.65
7.15	0.58	0.13	0.27	9.75	1.00	0.40	0.66
7.20	0.59	0.14	0.27	9.80	1.01	0.41	0.68
7.25	0.60	0.14	0.28	9.85	1.02	0.42	0.70
7.30	0.60	0.14	0.29	9.90	1.03	0.43	0.72
7.35	0.61	0.15	0.29	9.95	1.05	0.44	0.74
7.40	0.62	0.15	0.30	10.00	1.06	0.45	0.76
7.45	0.62	0.15	0.30	10.05	1.07	0.46	0.77
7.50	0.63	0.16	0.31	10.10	1.09	0.47	0.79
7.55	0.64	0.16	0.31	10.15	1.10	0.48	0.81
7.60	0.64	0.16	0.32	10.20	1.11	0.49	0.83
7.65	0.65	0.17	0.32	10.25	1.13	0.50	0.85
7.70	0.65	0.17	0.33	10.30	1.14	0.51	0.87
7.75	0.66	0.18	0.34	10.35	1.15	0.52	0.89

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.53	0.91	13.00	4.42	3.52	5.48
10.45	1.18	0.54	0.93	13.05	4.44	3.54	4.99
10.50	1.20	0.55	0.95	13.10	4.46	3.56	4.56
10.55	1.21	0.57	0.98	13.15	4.48	3.59	4.20
10.60	1.23	0.58	1.00	13.20	4.50	3.61	3.88
10.65	1.25	0.59	1.02	13.25	4.52	3.63	3.60
10.70	1.27	0.61	1.04	13.30	4.54	3.64	3.35
10.75	1.29	0.62	1.07	13.35	4.56	3.66	3.13
10.80	1.31	0.64	1.11	13.40	4.58	3.68	2.93
10.85	1.33	0.66	1.15	13.45	4.60	3.70	2.75
10.90	1.35	0.67	1.19	13.50	4.61	3.71	2.59
10.95	1.37	0.69	1.24	13.55	4.63	3.73	2.44
11.00	1.39	0.71	1.29	13.60	4.64	3.74	2.31
11.05	1.42	0.73	1.35	13.65	4.66	3.75	2.19
11.10	1.45	0.76	1.41	13.70	4.67	3.77	2.07
11.15	1.48	0.78	1.48	13.75	4.68	3.78	1.97
11.20	1.51	0.81	1.55	13.80	4.70	3.79	1.87
11.25	1.54	0.83	1.63	13.85	4.71	3.81	1.78
11.30	1.57	0.86	1.72	13.90	4.72	3.82	1.70
11.35	1.61	0.89	1.81	13.95	4.74	3.83	1.63
11.40	1.64	0.92	1.91	14.00	4.75	3.85	1.57
11.45	1.68	0.95	2.02	14.05	4.76	3.86	1.52
11.50	1.72	0.99	2.13	14.10	4.78	3.87	1.48
11.55	1.78	1.04	2.25	14.15	4.79	3.88	1.44
11.60	1.83	1.09	2.39	14.20	4.80	3.89	1.40
11.65	1.90	1.14	2.54	14.25	4.81	3.91	1.37
11.70	1.96	1.20	2.72	14.30	4.82	3.92	1.34
11.75	2.04	1.28	2.95	14.35	4.83	3.93	1.31
11.80	2.13	1.35	3.22	14.40	4.85	3.94	1.28
11.85	2.25	1.46	3.54	14.45	4.86	3.95	1.26
11.90	2.36	1.57	3.92	14.50	4.87	3.96	1.23
11.95	2.57	1.75	4.38	14.55	4.88	3.97	1.21
12.00	2.77	1.94	4.95	14.60	4.89	3.98	1.19
12.05	3.11	2.26	5.70	14.65	4.90	3.99	1.16
12.10	3.45	2.59	6.71	14.70	4.91	4.00	1.14
12.15	3.56	2.70	8.04	14.75	4.92	4.01	1.12
12.20	3.68	2.81	9.68	14.80	4.93	4.02	1.10
12.25	3.77	2.89	11.48	14.85	4.94	4.03	1.08
12.30	3.85	2.97	13.19	14.90	4.94	4.03	1.06
12.35	3.91	3.03	14.50	14.95	4.95	4.04	1.03
12.40	3.98	3.09	15.16	15.00	4.96	4.05	1.01
12.45	4.03	3.15	**15.21**	15.05	4.97	4.06	0.99
12.50	4.09	3.21	14.71	15.10	4.98	4.07	0.97
12.55	4.13	3.24	13.82	15.15	4.99	4.08	0.95
12.60	4.17	3.28	12.68	15.20	4.99	4.08	0.93
12.65	4.20	3.32	11.45	15.25	5.00	4.09	0.91
12.70	4.24	3.35	10.25	15.30	5.01	4.10	0.89
12.75	4.27	3.38	9.20	15.35	5.02	4.11	0.87
12.80	4.30	3.41	8.27	15.40	5.03	4.11	0.85
12.85	4.33	3.44	7.43	15.45	5.03	4.12	0.84
12.90	4.36	3.47	6.69	15.50	5.04	4.13	0.82
12.95	4.39	3.49	6.04	15.55	5.05	4.14	0.81

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.14	0.80	18.20	5.37	4.45	0.49
15.65	5.06	4.15	0.79	18.25	5.37	4.45	0.49
15.70	5.07	4.16	0.78	18.30	5.38	4.46	0.48
15.75	5.08	4.17	0.77	18.35	5.38	4.46	0.48
15.80	5.09	4.17	0.77	18.40	5.39	4.47	0.47
15.85	5.09	4.18	0.76	18.45	5.39	4.47	0.47
15.90	5.10	4.19	0.75	18.50	5.40	4.48	0.46
15.95	5.11	4.19	0.74	18.55	5.40	4.48	0.46
16.00	5.11	4.20	0.74	18.60	5.40	4.49	0.46
16.05	5.12	4.21	0.73	18.65	5.41	4.49	0.45
16.10	5.13	4.21	0.73	18.70	5.41	4.49	0.45
16.15	5.13	4.22	0.72	18.75	5.42	4.50	0.45
16.20	5.14	4.23	0.71	18.80	5.42	4.50	0.45
16.25	5.15	4.23	0.71	18.85	5.43	4.51	0.45
16.30	5.16	4.24	0.70	18.90	5.43	4.51	0.44
16.35	5.16	4.25	0.70	18.95	5.44	4.52	0.44
16.40	5.17	4.25	0.69	19.00	5.44	4.52	0.44
16.45	5.17	4.26	0.69	19.05	5.44	4.52	0.44
16.50	5.18	4.27	0.68	19.10	5.45	4.53	0.44
16.55	5.19	4.27	0.67	19.15	5.45	4.53	0.44
16.60	5.19	4.28	0.67	19.20	5.46	4.54	0.43
16.65	5.20	4.29	0.66	19.25	5.46	4.54	0.43
16.70	5.21	4.29	0.66	19.30	5.47	4.55	0.43
16.75	5.21	4.30	0.65	19.35	5.47	4.55	0.43
16.80	5.22	4.30	0.65	19.40	5.48	4.55	0.43
16.85	5.23	4.31	0.64	19.45	5.48	4.56	0.43
16.90	5.23	4.32	0.64	19.50	5.48	4.56	0.43
16.95	5.24	4.32	0.63	19.55	5.49	4.57	0.42
17.00	5.24	4.33	0.62	19.60	5.49	4.57	0.42
17.05	5.25	4.33	0.62	19.65	5.50	4.58	0.42
17.10	5.25	4.34	0.61	19.70	5.50	4.58	0.42
17.15	5.26	4.34	0.61	19.75	5.50	4.58	0.42
17.20	5.27	4.35	0.60	19.80	5.51	4.59	0.42
17.25	5.27	4.36	0.60	19.85	5.51	4.59	0.42
17.30	5.28	4.36	0.59	19.90	5.52	4.60	0.42
17.35	5.28	4.37	0.59	19.95	5.52	4.60	0.41
17.40	5.29	4.37	0.58	20.00	5.53	4.60	0.41
17.45	5.29	4.38	0.57	20.05	5.53	4.61	0.41
17.50	5.30	4.38	0.57	20.10	5.53	4.61	0.41
17.55	5.30	4.39	0.56	20.15	5.54	4.62	0.41
17.60	5.31	4.39	0.56	20.20	5.54	4.62	0.41
17.65	5.31	4.40	0.55	20.25	5.55	4.62	0.41
17.70	5.32	4.40	0.55	20.30	5.55	4.63	0.40
17.75	5.33	4.41	0.54	20.35	5.55	4.63	0.40
17.80	5.33	4.41	0.54	20.40	5.56	4.64	0.40
17.85	5.34	4.42	0.53	20.45	5.56	4.64	0.40
17.90	5.34	4.42	0.52	20.50	5.57	4.64	0.40
17.95	5.34	4.43	0.52	20.55	5.57	4.65	0.40
18.00	5.35	4.43	0.51	20.60	5.57	4.65	0.40
18.05	5.35	4.44	0.51	20.65	5.58	4.65	0.39
18.10	5.36	4.44	0.50	20.70	5.58	4.66	0.39
18.15	5.36	4.44	0.50	20.75	5.59	4.66	0.39

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	4.67	0.39	23.40	5.77	4.85	0.32
20.85	5.59	4.67	0.39	23.45	5.78	4.85	0.32
20.90	5.60	4.67	0.39	23.50	5.78	4.85	0.31
20.95	5.60	4.68	0.39	23.55	5.78	4.85	0.31
21.00	5.61	4.68	0.38	23.60	5.78	4.86	0.31
21.05	5.61	4.69	0.38	23.65	5.79	4.86	0.31
21.10	5.61	4.69	0.38	23.70	5.79	4.86	0.31
21.15	5.62	4.69	0.38	23.75	5.79	4.87	0.31
21.20	5.62	4.70	0.38	23.80	5.80	4.87	0.31
21.25	5.62	4.70	0.38	23.85	5.80	4.87	0.31
21.30	5.63	4.70	0.38	23.90	5.80	4.88	0.30
21.35	5.63	4.71	0.37	23.95	5.81	4.88	0.30
21.40	5.64	4.71	0.37	24.00	**5.81**	**4.88**	0.30
21.45	5.64	4.71	0.37	24.05	5.81	4.88	0.30
21.50	5.64	4.72	0.37	24.10	5.81	4.88	0.30
21.55	5.65	4.72	0.37	24.15	5.81	4.88	0.30
21.60	5.65	4.73	0.37	24.20	5.81	4.88	0.29
21.65	5.65	4.73	0.37	24.25	5.81	4.88	0.27
21.70	5.66	4.73	0.37	24.30	5.81	4.88	0.25
21.75	5.66	4.74	0.36	24.35	5.81	4.88	0.22
21.80	5.66	4.74	0.36	24.40	5.81	4.88	0.19
21.85	5.67	4.74	0.36	24.45	5.81	4.88	0.16
21.90	5.67	4.75	0.36	24.50	5.81	4.88	0.13
21.95	5.68	4.75	0.36	24.55	5.81	4.88	0.10
22.00	5.68	4.75	0.36	24.60	5.81	4.88	0.08
22.05	5.68	4.76	0.36	24.65	5.81	4.88	0.06
22.10	5.69	4.76	0.35	24.70	5.81	4.88	0.05
22.15	5.69	4.76	0.35	24.75	5.81	4.88	0.04
22.20	5.69	4.77	0.35	24.80	5.81	4.88	0.03
22.25	5.70	4.77	0.35	24.85	5.81	4.88	0.02
22.30	5.70	4.77	0.35	24.90	5.81	4.88	0.02
22.35	5.70	4.78	0.35	24.95	5.81	4.88	0.02
22.40	5.71	4.78	0.35	25.00	5.81	4.88	0.01
22.45	5.71	4.78	0.34	25.05	5.81	4.88	0.01
22.50	5.71	4.79	0.34	25.10	5.81	4.88	0.01
22.55	5.72	4.79	0.34	25.15	5.81	4.88	0.01
22.60	5.72	4.79	0.34	25.20	5.81	4.88	0.00
22.65	5.72	4.80	0.34	25.25	5.81	4.88	0.00
22.70	5.73	4.80	0.34	25.30	5.81	4.88	0.00
22.75	5.73	4.80	0.34	25.35	5.81	4.88	0.00
22.80	5.73	4.81	0.33	25.40	5.81	4.88	0.00
22.85	5.74	4.81	0.33	25.45	5.81	4.88	0.00
22.90	5.74	4.81	0.33	25.50	5.81	4.88	0.00
22.95	5.74	4.82	0.33	25.55	5.81	4.88	0.00
23.00	5.75	4.82	0.33	25.60	5.81	4.88	0.00
23.05	5.75	4.82	0.33	25.65	5.81	4.88	0.00
23.10	5.75	4.83	0.33	25.70	5.81	4.88	0.00
23.15	5.76	4.83	0.32	25.75	5.81	4.88	0.00
23.20	5.76	4.83	0.32	25.80	5.81	4.88	0.00
23.25	5.76	4.84	0.32	25.85	5.81	4.88	0.00
23.30	5.77	4.84	0.32	25.90	5.81	4.88	0.00
23.35	5.77	4.84	0.32	25.95	5.81	4.88	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	4.88	0.00	28.60	5.81	4.88	0.00
26.05	5.81	4.88	0.00	28.65	5.81	4.88	0.00
26.10	5.81	4.88	0.00	28.70	5.81	4.88	0.00
26.15	5.81	4.88	0.00	28.75	5.81	4.88	0.00
26.20	5.81	4.88	0.00	28.80	5.81	4.88	0.00
26.25	5.81	4.88	0.00	28.85	5.81	4.88	0.00
26.30	5.81	4.88	0.00	28.90	5.81	4.88	0.00
26.35	5.81	4.88	0.00	28.95	5.81	4.88	0.00
26.40	5.81	4.88	0.00	29.00	5.81	4.88	0.00
26.45	5.81	4.88	0.00	29.05	5.81	4.88	0.00
26.50	5.81	4.88	0.00	29.10	5.81	4.88	0.00
26.55	5.81	4.88	0.00	29.15	5.81	4.88	0.00
26.60	5.81	4.88	0.00	29.20	5.81	4.88	0.00
26.65	5.81	4.88	0.00	29.25	5.81	4.88	0.00
26.70	5.81	4.88	0.00	29.30	5.81	4.88	0.00
26.75	5.81	4.88	0.00	29.35	5.81	4.88	0.00
26.80	5.81	4.88	0.00	29.40	5.81	4.88	0.00
26.85	5.81	4.88	0.00	29.45	5.81	4.88	0.00
26.90	5.81	4.88	0.00	29.50	5.81	4.88	0.00
26.95	5.81	4.88	0.00	29.55	5.81	4.88	0.00
27.00	5.81	4.88	0.00	29.60	5.81	4.88	0.00
27.05	5.81	4.88	0.00	29.65	5.81	4.88	0.00
27.10	5.81	4.88	0.00	29.70	5.81	4.88	0.00
27.15	5.81	4.88	0.00	29.75	5.81	4.88	0.00
27.20	5.81	4.88	0.00	29.80	5.81	4.88	0.00
27.25	5.81	4.88	0.00	29.85	5.81	4.88	0.00
27.30	5.81	4.88	0.00	29.90	5.81	4.88	0.00
27.35	5.81	4.88	0.00	29.95	5.81	4.88	0.00
27.40	5.81	4.88	0.00	30.00	5.81	4.88	0.00
27.45	5.81	4.88	0.00	30.05	5.81	4.88	0.00
27.50	5.81	4.88	0.00	30.10	5.81	4.88	0.00
27.55	5.81	4.88	0.00	30.15	5.81	4.88	0.00
27.60	5.81	4.88	0.00	30.20	5.81	4.88	0.00
27.65	5.81	4.88	0.00	30.25	5.81	4.88	0.00
27.70	5.81	4.88	0.00	30.30	5.81	4.88	0.00
27.75	5.81	4.88	0.00	30.35	5.81	4.88	0.00
27.80	5.81	4.88	0.00	30.40	5.81	4.88	0.00
27.85	5.81	4.88	0.00	30.45	5.81	4.88	0.00
27.90	5.81	4.88	0.00	30.50	5.81	4.88	0.00
27.95	5.81	4.88	0.00	30.55	5.81	4.88	0.00
28.00	5.81	4.88	0.00	30.60	5.81	4.88	0.00
28.05	5.81	4.88	0.00	30.65	5.81	4.88	0.00
28.10	5.81	4.88	0.00	30.70	5.81	4.88	0.00
28.15	5.81	4.88	0.00	30.75	5.81	4.88	0.00
28.20	5.81	4.88	0.00	30.80	5.81	4.88	0.00
28.25	5.81	4.88	0.00	30.85	5.81	4.88	0.00
28.30	5.81	4.88	0.00	30.90	5.81	4.88	0.00
28.35	5.81	4.88	0.00	30.95	5.81	4.88	0.00
28.40	5.81	4.88	0.00	31.00	5.81	4.88	0.00
28.45	5.81	4.88	0.00	31.05	5.81	4.88	0.00
28.50	5.81	4.88	0.00	31.10	5.81	4.88	0.00
28.55	5.81	4.88	0.00	31.15	5.81	4.88	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	4.88	0.00	33.80	5.81	4.88	0.00
31.25	5.81	4.88	0.00	33.85	5.81	4.88	0.00
31.30	5.81	4.88	0.00	33.90	5.81	4.88	0.00
31.35	5.81	4.88	0.00	33.95	5.81	4.88	0.00
31.40	5.81	4.88	0.00	34.00	5.81	4.88	0.00
31.45	5.81	4.88	0.00	34.05	5.81	4.88	0.00
31.50	5.81	4.88	0.00	34.10	5.81	4.88	0.00
31.55	5.81	4.88	0.00	34.15	5.81	4.88	0.00
31.60	5.81	4.88	0.00	34.20	5.81	4.88	0.00
31.65	5.81	4.88	0.00	34.25	5.81	4.88	0.00
31.70	5.81	4.88	0.00	34.30	5.81	4.88	0.00
31.75	5.81	4.88	0.00	34.35	5.81	4.88	0.00
31.80	5.81	4.88	0.00	34.40	5.81	4.88	0.00
31.85	5.81	4.88	0.00	34.45	5.81	4.88	0.00
31.90	5.81	4.88	0.00	34.50	5.81	4.88	0.00
31.95	5.81	4.88	0.00	34.55	5.81	4.88	0.00
32.00	5.81	4.88	0.00	34.60	5.81	4.88	0.00
32.05	5.81	4.88	0.00	34.65	5.81	4.88	0.00
32.10	5.81	4.88	0.00	34.70	5.81	4.88	0.00
32.15	5.81	4.88	0.00	34.75	5.81	4.88	0.00
32.20	5.81	4.88	0.00	34.80	5.81	4.88	0.00
32.25	5.81	4.88	0.00	34.85	5.81	4.88	0.00
32.30	5.81	4.88	0.00	34.90	5.81	4.88	0.00
32.35	5.81	4.88	0.00	34.95	5.81	4.88	0.00
32.40	5.81	4.88	0.00	35.00	5.81	4.88	0.00
32.45	5.81	4.88	0.00	35.05	5.81	4.88	0.00
32.50	5.81	4.88	0.00	35.10	5.81	4.88	0.00
32.55	5.81	4.88	0.00	35.15	5.81	4.88	0.00
32.60	5.81	4.88	0.00	35.20	5.81	4.88	0.00
32.65	5.81	4.88	0.00	35.25	5.81	4.88	0.00
32.70	5.81	4.88	0.00	35.30	5.81	4.88	0.00
32.75	5.81	4.88	0.00	35.35	5.81	4.88	0.00
32.80	5.81	4.88	0.00	35.40	5.81	4.88	0.00
32.85	5.81	4.88	0.00	35.45	5.81	4.88	0.00
32.90	5.81	4.88	0.00	35.50	5.81	4.88	0.00
32.95	5.81	4.88	0.00	35.55	5.81	4.88	0.00
33.00	5.81	4.88	0.00	35.60	5.81	4.88	0.00
33.05	5.81	4.88	0.00	35.65	5.81	4.88	0.00
33.10	5.81	4.88	0.00	35.70	5.81	4.88	0.00
33.15	5.81	4.88	0.00	35.75	5.81	4.88	0.00
33.20	5.81	4.88	0.00	35.80	5.81	4.88	0.00
33.25	5.81	4.88	0.00	35.85	5.81	4.88	0.00
33.30	5.81	4.88	0.00	35.90	5.81	4.88	0.00
33.35	5.81	4.88	0.00	35.95	5.81	4.88	0.00
33.40	5.81	4.88	0.00	36.00	5.81	4.88	0.00
33.45	5.81	4.88	0.00	36.05	5.81	4.88	0.00
33.50	5.81	4.88	0.00	36.10	5.81	4.88	0.00
33.55	5.81	4.88	0.00	36.15	5.81	4.88	0.00
33.60	5.81	4.88	0.00	36.20	5.81	4.88	0.00
33.65	5.81	4.88	0.00	36.25	5.81	4.88	0.00
33.70	5.81	4.88	0.00	36.30	5.81	4.88	0.00
33.75	5.81	4.88	0.00	36.35	5.81	4.88	0.00

Hydrograph for Subcatchment OPDA-1I: PDA-1 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	4.88	0.00
36.45	5.81	4.88	0.00
36.50	5.81	4.88	0.00
36.55	5.81	4.88	0.00
36.60	5.81	4.88	0.00
36.65	5.81	4.88	0.00
36.70	5.81	4.88	0.00
36.75	5.81	4.88	0.00
36.80	5.81	4.88	0.00
36.85	5.81	4.88	0.00
36.90	5.81	4.88	0.00
36.95	5.81	4.88	0.00
37.00	5.81	4.88	0.00
37.05	5.81	4.88	0.00
37.10	5.81	4.88	0.00
37.15	5.81	4.88	0.00
37.20	5.81	4.88	0.00
37.25	5.81	4.88	0.00
37.30	5.81	4.88	0.00
37.35	5.81	4.88	0.00
37.40	5.81	4.88	0.00
37.45	5.81	4.88	0.00
37.50	5.81	4.88	0.00
37.55	5.81	4.88	0.00
37.60	5.81	4.88	0.00
37.65	5.81	4.88	0.00
37.70	5.81	4.88	0.00
37.75	5.81	4.88	0.00
37.80	5.81	4.88	0.00
37.85	5.81	4.88	0.00
37.90	5.81	4.88	0.00
37.95	5.81	4.88	0.00
38.00	5.81	4.88	0.00
38.05	5.81	4.88	0.00
38.10	5.81	4.88	0.00
38.15	5.81	4.88	0.00
38.20	5.81	4.88	0.00
38.25	5.81	4.88	0.00
38.30	5.81	4.88	0.00
38.35	5.81	4.88	0.00
38.40	5.81	4.88	0.00
38.45	5.81	4.88	0.00
38.50	5.81	4.88	0.00
38.55	5.81	4.88	0.00
38.60	5.81	4.88	0.00
38.65	5.81	4.88	0.00
38.70	5.81	4.88	0.00
38.75	5.81	4.88	0.00
38.80	5.81	4.88	0.00
38.85	5.81	4.88	0.00
38.90	5.81	4.88	0.00
38.95	5.81	4.88	0.00
39.00	5.81	4.88	0.00
39.05	5.81	4.88	0.00
39.10	5.81	4.88	0.00
39.15	5.81	4.88	0.00
39.20	5.81	4.88	0.00
39.25	5.81	4.88	0.00
39.30	5.81	4.88	0.00
39.35	5.81	4.88	0.00
39.40	5.81	4.88	0.00
39.45	5.81	4.88	0.00
39.50	5.81	4.88	0.00
39.55	5.81	4.88	0.00
39.60	5.81	4.88	0.00
39.65	5.81	4.88	0.00
39.70	5.81	4.88	0.00
39.75	5.81	4.88	0.00
39.80	5.81	4.88	0.00
39.85	5.81	4.88	0.00
39.90	5.81	4.88	0.00
39.95	5.81	4.88	0.00
40.00	5.81	4.88	0.00

Summary for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

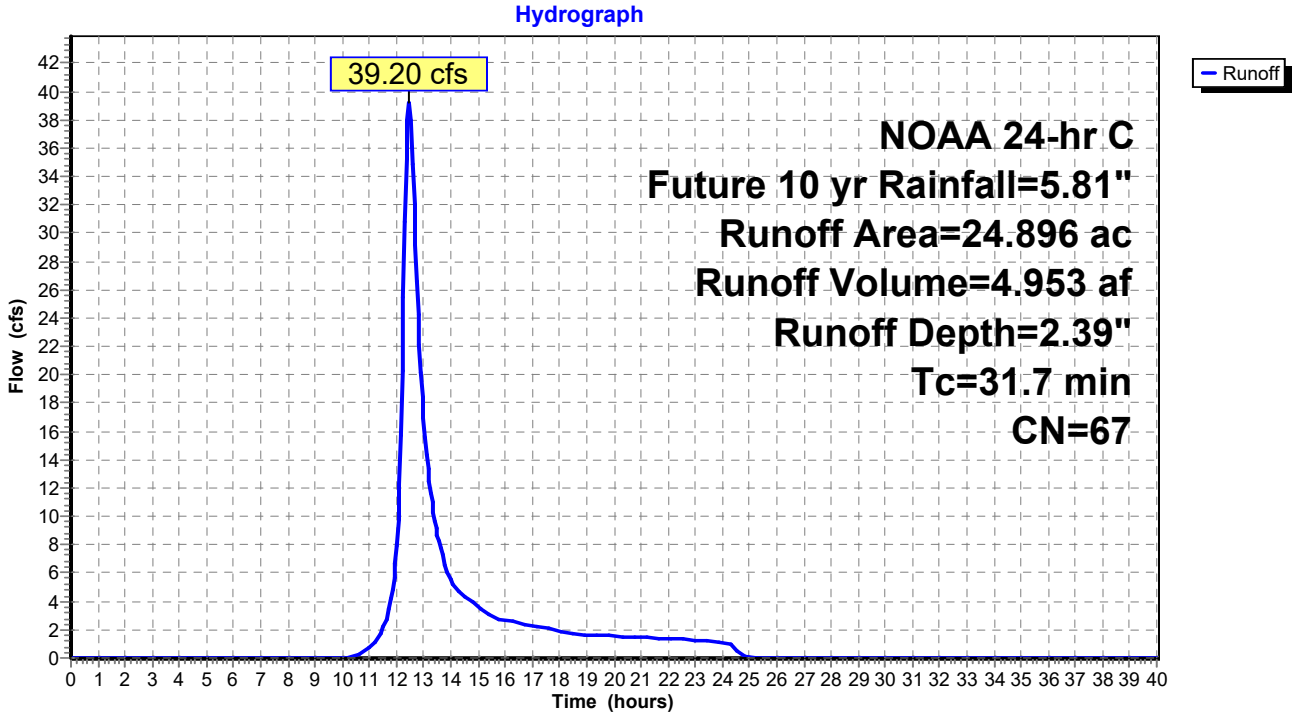
Runoff = 39.20 cfs @ 12.46 hrs, Volume= 4.953 af, Depth= 2.39"
Routed to Link PDA-1OF : PDA-1 (offsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
12.562	74	>75% Grass cover, Good, HSG C
8.540	55	Woods, Good, HSG B
3.700	70	Woods, Good, HSG C
0.094	77	Woods, Good, HSG D
24.896	67	Weighted Average
24.896		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment OPDA-1P: PDA-1 (offsite pervious)



Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.01
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.02
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.08
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.10
7.75	0.66	0.00	0.00	10.35	1.15	0.01	0.13

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.01	0.16	13.00	4.42	1.41	16.91
10.45	1.18	0.01	0.19	13.05	4.44	1.42	15.57
10.50	1.20	0.01	0.22	13.10	4.46	1.44	14.39
10.55	1.21	0.01	0.25	13.15	4.48	1.45	13.38
10.60	1.23	0.01	0.29	13.20	4.50	1.47	12.48
10.65	1.25	0.01	0.33	13.25	4.52	1.48	11.67
10.70	1.27	0.02	0.37	13.30	4.54	1.49	10.95
10.75	1.29	0.02	0.41	13.35	4.56	1.50	10.29
10.80	1.31	0.02	0.46	13.40	4.58	1.52	9.69
10.85	1.33	0.02	0.52	13.45	4.60	1.53	9.16
10.90	1.35	0.02	0.58	13.50	4.61	1.54	8.67
10.95	1.37	0.03	0.65	13.55	4.63	1.55	8.23
11.00	1.39	0.03	0.73	13.60	4.64	1.56	7.82
11.05	1.42	0.04	0.81	13.65	4.66	1.57	7.44
11.10	1.45	0.04	0.90	13.70	4.67	1.58	7.08
11.15	1.48	0.04	1.00	13.75	4.68	1.59	6.74
11.20	1.51	0.05	1.11	13.80	4.70	1.60	6.42
11.25	1.54	0.06	1.23	13.85	4.71	1.60	6.14
11.30	1.57	0.06	1.36	13.90	4.72	1.61	5.88
11.35	1.61	0.07	1.52	13.95	4.74	1.62	5.66
11.40	1.64	0.08	1.68	14.00	4.75	1.63	5.47
11.45	1.68	0.09	1.87	14.05	4.76	1.64	5.30
11.50	1.72	0.09	2.08	14.10	4.78	1.65	5.15
11.55	1.78	0.11	2.30	14.15	4.79	1.66	5.02
11.60	1.83	0.12	2.56	14.20	4.80	1.66	4.90
11.65	1.90	0.14	2.85	14.25	4.81	1.67	4.80
11.70	1.96	0.16	3.21	14.30	4.82	1.68	4.70
11.75	2.04	0.19	3.65	14.35	4.83	1.69	4.61
11.80	2.13	0.22	4.19	14.40	4.85	1.70	4.52
11.85	2.25	0.26	4.84	14.45	4.86	1.70	4.44
11.90	2.36	0.30	5.65	14.50	4.87	1.71	4.36
11.95	2.57	0.38	6.65	14.55	4.88	1.72	4.28
12.00	2.77	0.47	7.96	14.60	4.89	1.73	4.20
12.05	3.11	0.64	9.75	14.65	4.90	1.73	4.13
12.10	3.45	0.82	12.25	14.70	4.91	1.74	4.06
12.15	3.56	0.89	15.75	14.75	4.92	1.75	3.98
12.20	3.68	0.95	20.29	14.80	4.93	1.75	3.91
12.25	3.77	1.00	25.51	14.85	4.94	1.76	3.84
12.30	3.85	1.05	30.76	14.90	4.94	1.76	3.77
12.35	3.91	1.09	35.19	14.95	4.95	1.77	3.69
12.40	3.98	1.13	37.98	15.00	4.96	1.78	3.62
12.45	4.03	1.17	**39.15**	15.05	4.97	1.78	3.55
12.50	4.09	1.20	38.79	15.10	4.98	1.79	3.48
12.55	4.13	1.23	37.23	15.15	4.99	1.79	3.40
12.60	4.17	1.25	34.86	15.20	4.99	1.80	3.33
12.65	4.20	1.27	32.08	15.25	5.00	1.80	3.26
12.70	4.24	1.30	29.21	15.30	5.01	1.81	3.20
12.75	4.27	1.32	26.62	15.35	5.02	1.82	3.13
12.80	4.30	1.34	24.27	15.40	5.03	1.82	3.07
12.85	4.33	1.36	22.13	15.45	5.03	1.83	3.02
12.90	4.36	1.37	20.17	15.50	5.04	1.83	2.97
12.95	4.39	1.39	18.43	15.55	5.05	1.84	2.93

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.84	2.89	18.20	5.37	2.06	1.83
15.65	5.06	1.85	2.86	18.25	5.37	2.07	1.81
15.70	5.07	1.85	2.83	18.30	5.38	2.07	1.79
15.75	5.08	1.86	2.80	18.35	5.38	2.07	1.77
15.80	5.09	1.86	2.77	18.40	5.39	2.08	1.75
15.85	5.09	1.87	2.75	18.45	5.39	2.08	1.74
15.90	5.10	1.87	2.73	18.50	5.40	2.08	1.73
15.95	5.11	1.88	2.70	18.55	5.40	2.09	1.71
16.00	5.11	1.88	2.68	18.60	5.40	2.09	1.70
16.05	5.12	1.89	2.66	18.65	5.41	2.09	1.69
16.10	5.13	1.89	2.64	18.70	5.41	2.10	1.69
16.15	5.13	1.90	2.62	18.75	5.42	2.10	1.68
16.20	5.14	1.90	2.60	18.80	5.42	2.10	1.67
16.25	5.15	1.91	2.58	18.85	5.43	2.11	1.67
16.30	5.16	1.91	2.56	18.90	5.43	2.11	1.66
16.35	5.16	1.92	2.54	18.95	5.44	2.11	1.65
16.40	5.17	1.92	2.53	19.00	5.44	2.12	1.65
16.45	5.17	1.93	2.51	19.05	5.44	2.12	1.64
16.50	5.18	1.93	2.49	19.10	5.45	2.12	1.64
16.55	5.19	1.94	2.47	19.15	5.45	2.13	1.63
16.60	5.19	1.94	2.45	19.20	5.46	2.13	1.63
16.65	5.20	1.94	2.43	19.25	5.46	2.13	1.62
16.70	5.21	1.95	2.41	19.30	5.47	2.14	1.62
16.75	5.21	1.95	2.39	19.35	5.47	2.14	1.61
16.80	5.22	1.96	2.37	19.40	5.48	2.14	1.61
16.85	5.23	1.96	2.35	19.45	5.48	2.14	1.60
16.90	5.23	1.97	2.33	19.50	5.48	2.15	1.60
16.95	5.24	1.97	2.32	19.55	5.49	2.15	1.60
17.00	5.24	1.97	2.30	19.60	5.49	2.15	1.59
17.05	5.25	1.98	2.28	19.65	5.50	2.16	1.58
17.10	5.25	1.98	2.26	19.70	5.50	2.16	1.58
17.15	5.26	1.99	2.24	19.75	5.50	2.16	1.58
17.20	5.27	1.99	2.22	19.80	5.51	2.17	1.57
17.25	5.27	1.99	2.20	19.85	5.51	2.17	1.57
17.30	5.28	2.00	2.18	19.90	5.52	2.17	1.56
17.35	5.28	2.00	2.16	19.95	5.52	2.17	1.56
17.40	5.29	2.01	2.14	20.00	5.53	2.18	1.55
17.45	5.29	2.01	2.12	20.05	5.53	2.18	1.55
17.50	5.30	2.01	2.10	20.10	5.53	2.18	1.54
17.55	5.30	2.02	2.08	20.15	5.54	2.19	1.54
17.60	5.31	2.02	2.06	20.20	5.54	2.19	1.54
17.65	5.31	2.03	2.04	20.25	5.55	2.19	1.53
17.70	5.32	2.03	2.02	20.30	5.55	2.20	1.52
17.75	5.33	2.03	2.00	20.35	5.55	2.20	1.52
17.80	5.33	2.04	1.98	20.40	5.56	2.20	1.51
17.85	5.34	2.04	1.97	20.45	5.56	2.20	1.51
17.90	5.34	2.04	1.94	20.50	5.57	2.21	1.50
17.95	5.34	2.05	1.93	20.55	5.57	2.21	1.50
18.00	5.35	2.05	1.91	20.60	5.57	2.21	1.50
18.05	5.35	2.05	1.89	20.65	5.58	2.22	1.49
18.10	5.36	2.06	1.87	20.70	5.58	2.22	1.49
18.15	5.36	2.06	1.85	20.75	5.59	2.22	1.48

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.22	1.48	23.40	5.77	2.36	1.22
20.85	5.59	2.23	1.47	23.45	5.78	2.36	1.21
20.90	5.60	2.23	1.47	23.50	5.78	2.36	1.21
20.95	5.60	2.23	1.46	23.55	5.78	2.37	1.20
21.00	5.61	2.24	1.46	23.60	5.78	2.37	1.20
21.05	5.61	2.24	1.45	23.65	5.79	2.37	1.19
21.10	5.61	2.24	1.45	23.70	5.79	2.37	1.19
21.15	5.62	2.24	1.44	23.75	5.79	2.38	1.18
21.20	5.62	2.25	1.44	23.80	5.80	2.38	1.18
21.25	5.62	2.25	1.43	23.85	5.80	2.38	1.17
21.30	5.63	2.25	1.43	23.90	5.80	2.38	1.17
21.35	5.63	2.26	1.42	23.95	5.81	2.38	1.16
21.40	5.64	2.26	1.42	24.00	**5.81**	**2.39**	1.16
21.45	5.64	2.26	1.41	24.05	5.81	2.39	1.16
21.50	5.64	2.26	1.41	24.10	5.81	2.39	1.15
21.55	5.65	2.27	1.40	24.15	5.81	2.39	1.14
21.60	5.65	2.27	1.40	24.20	5.81	2.39	1.11
21.65	5.65	2.27	1.39	24.25	5.81	2.39	1.05
21.70	5.66	2.27	1.39	24.30	5.81	2.39	0.96
21.75	5.66	2.28	1.38	24.35	5.81	2.39	0.85
21.80	5.66	2.28	1.38	24.40	5.81	2.39	0.73
21.85	5.67	2.28	1.37	24.45	5.81	2.39	0.61
21.90	5.67	2.28	1.37	24.50	5.81	2.39	0.49
21.95	5.68	2.29	1.36	24.55	5.81	2.39	0.39
22.00	5.68	2.29	1.36	24.60	5.81	2.39	0.31
22.05	5.68	2.29	1.35	24.65	5.81	2.39	0.24
22.10	5.69	2.30	1.35	24.70	5.81	2.39	0.19
22.15	5.69	2.30	1.34	24.75	5.81	2.39	0.15
22.20	5.69	2.30	1.34	24.80	5.81	2.39	0.12
22.25	5.70	2.30	1.33	24.85	5.81	2.39	0.10
22.30	5.70	2.31	1.33	24.90	5.81	2.39	0.08
22.35	5.70	2.31	1.32	24.95	5.81	2.39	0.06
22.40	5.71	2.31	1.32	25.00	5.81	2.39	0.05
22.45	5.71	2.31	1.31	25.05	5.81	2.39	0.04
22.50	5.71	2.32	1.31	25.10	5.81	2.39	0.03
22.55	5.72	2.32	1.30	25.15	5.81	2.39	0.02
22.60	5.72	2.32	1.30	25.20	5.81	2.39	0.02
22.65	5.72	2.32	1.29	25.25	5.81	2.39	0.01
22.70	5.73	2.33	1.29	25.30	5.81	2.39	0.01
22.75	5.73	2.33	1.28	25.35	5.81	2.39	0.01
22.80	5.73	2.33	1.28	25.40	5.81	2.39	0.01
22.85	5.74	2.33	1.27	25.45	5.81	2.39	0.00
22.90	5.74	2.34	1.27	25.50	5.81	2.39	0.00
22.95	5.74	2.34	1.26	25.55	5.81	2.39	0.00
23.00	5.75	2.34	1.26	25.60	5.81	2.39	0.00
23.05	5.75	2.34	1.25	25.65	5.81	2.39	0.00
23.10	5.75	2.35	1.25	25.70	5.81	2.39	0.00
23.15	5.76	2.35	1.24	25.75	5.81	2.39	0.00
23.20	5.76	2.35	1.24	25.80	5.81	2.39	0.00
23.25	5.76	2.35	1.23	25.85	5.81	2.39	0.00
23.30	5.77	2.35	1.23	25.90	5.81	2.39	0.00
23.35	5.77	2.36	1.22	25.95	5.81	2.39	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.39	0.00	28.60	5.81	2.39	0.00
26.05	5.81	2.39	0.00	28.65	5.81	2.39	0.00
26.10	5.81	2.39	0.00	28.70	5.81	2.39	0.00
26.15	5.81	2.39	0.00	28.75	5.81	2.39	0.00
26.20	5.81	2.39	0.00	28.80	5.81	2.39	0.00
26.25	5.81	2.39	0.00	28.85	5.81	2.39	0.00
26.30	5.81	2.39	0.00	28.90	5.81	2.39	0.00
26.35	5.81	2.39	0.00	28.95	5.81	2.39	0.00
26.40	5.81	2.39	0.00	29.00	5.81	2.39	0.00
26.45	5.81	2.39	0.00	29.05	5.81	2.39	0.00
26.50	5.81	2.39	0.00	29.10	5.81	2.39	0.00
26.55	5.81	2.39	0.00	29.15	5.81	2.39	0.00
26.60	5.81	2.39	0.00	29.20	5.81	2.39	0.00
26.65	5.81	2.39	0.00	29.25	5.81	2.39	0.00
26.70	5.81	2.39	0.00	29.30	5.81	2.39	0.00
26.75	5.81	2.39	0.00	29.35	5.81	2.39	0.00
26.80	5.81	2.39	0.00	29.40	5.81	2.39	0.00
26.85	5.81	2.39	0.00	29.45	5.81	2.39	0.00
26.90	5.81	2.39	0.00	29.50	5.81	2.39	0.00
26.95	5.81	2.39	0.00	29.55	5.81	2.39	0.00
27.00	5.81	2.39	0.00	29.60	5.81	2.39	0.00
27.05	5.81	2.39	0.00	29.65	5.81	2.39	0.00
27.10	5.81	2.39	0.00	29.70	5.81	2.39	0.00
27.15	5.81	2.39	0.00	29.75	5.81	2.39	0.00
27.20	5.81	2.39	0.00	29.80	5.81	2.39	0.00
27.25	5.81	2.39	0.00	29.85	5.81	2.39	0.00
27.30	5.81	2.39	0.00	29.90	5.81	2.39	0.00
27.35	5.81	2.39	0.00	29.95	5.81	2.39	0.00
27.40	5.81	2.39	0.00	30.00	5.81	2.39	0.00
27.45	5.81	2.39	0.00	30.05	5.81	2.39	0.00
27.50	5.81	2.39	0.00	30.10	5.81	2.39	0.00
27.55	5.81	2.39	0.00	30.15	5.81	2.39	0.00
27.60	5.81	2.39	0.00	30.20	5.81	2.39	0.00
27.65	5.81	2.39	0.00	30.25	5.81	2.39	0.00
27.70	5.81	2.39	0.00	30.30	5.81	2.39	0.00
27.75	5.81	2.39	0.00	30.35	5.81	2.39	0.00
27.80	5.81	2.39	0.00	30.40	5.81	2.39	0.00
27.85	5.81	2.39	0.00	30.45	5.81	2.39	0.00
27.90	5.81	2.39	0.00	30.50	5.81	2.39	0.00
27.95	5.81	2.39	0.00	30.55	5.81	2.39	0.00
28.00	5.81	2.39	0.00	30.60	5.81	2.39	0.00
28.05	5.81	2.39	0.00	30.65	5.81	2.39	0.00
28.10	5.81	2.39	0.00	30.70	5.81	2.39	0.00
28.15	5.81	2.39	0.00	30.75	5.81	2.39	0.00
28.20	5.81	2.39	0.00	30.80	5.81	2.39	0.00
28.25	5.81	2.39	0.00	30.85	5.81	2.39	0.00
28.30	5.81	2.39	0.00	30.90	5.81	2.39	0.00
28.35	5.81	2.39	0.00	30.95	5.81	2.39	0.00
28.40	5.81	2.39	0.00	31.00	5.81	2.39	0.00
28.45	5.81	2.39	0.00	31.05	5.81	2.39	0.00
28.50	5.81	2.39	0.00	31.10	5.81	2.39	0.00
28.55	5.81	2.39	0.00	31.15	5.81	2.39	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.39	0.00	33.80	5.81	2.39	0.00
31.25	5.81	2.39	0.00	33.85	5.81	2.39	0.00
31.30	5.81	2.39	0.00	33.90	5.81	2.39	0.00
31.35	5.81	2.39	0.00	33.95	5.81	2.39	0.00
31.40	5.81	2.39	0.00	34.00	5.81	2.39	0.00
31.45	5.81	2.39	0.00	34.05	5.81	2.39	0.00
31.50	5.81	2.39	0.00	34.10	5.81	2.39	0.00
31.55	5.81	2.39	0.00	34.15	5.81	2.39	0.00
31.60	5.81	2.39	0.00	34.20	5.81	2.39	0.00
31.65	5.81	2.39	0.00	34.25	5.81	2.39	0.00
31.70	5.81	2.39	0.00	34.30	5.81	2.39	0.00
31.75	5.81	2.39	0.00	34.35	5.81	2.39	0.00
31.80	5.81	2.39	0.00	34.40	5.81	2.39	0.00
31.85	5.81	2.39	0.00	34.45	5.81	2.39	0.00
31.90	5.81	2.39	0.00	34.50	5.81	2.39	0.00
31.95	5.81	2.39	0.00	34.55	5.81	2.39	0.00
32.00	5.81	2.39	0.00	34.60	5.81	2.39	0.00
32.05	5.81	2.39	0.00	34.65	5.81	2.39	0.00
32.10	5.81	2.39	0.00	34.70	5.81	2.39	0.00
32.15	5.81	2.39	0.00	34.75	5.81	2.39	0.00
32.20	5.81	2.39	0.00	34.80	5.81	2.39	0.00
32.25	5.81	2.39	0.00	34.85	5.81	2.39	0.00
32.30	5.81	2.39	0.00	34.90	5.81	2.39	0.00
32.35	5.81	2.39	0.00	34.95	5.81	2.39	0.00
32.40	5.81	2.39	0.00	35.00	5.81	2.39	0.00
32.45	5.81	2.39	0.00	35.05	5.81	2.39	0.00
32.50	5.81	2.39	0.00	35.10	5.81	2.39	0.00
32.55	5.81	2.39	0.00	35.15	5.81	2.39	0.00
32.60	5.81	2.39	0.00	35.20	5.81	2.39	0.00
32.65	5.81	2.39	0.00	35.25	5.81	2.39	0.00
32.70	5.81	2.39	0.00	35.30	5.81	2.39	0.00
32.75	5.81	2.39	0.00	35.35	5.81	2.39	0.00
32.80	5.81	2.39	0.00	35.40	5.81	2.39	0.00
32.85	5.81	2.39	0.00	35.45	5.81	2.39	0.00
32.90	5.81	2.39	0.00	35.50	5.81	2.39	0.00
32.95	5.81	2.39	0.00	35.55	5.81	2.39	0.00
33.00	5.81	2.39	0.00	35.60	5.81	2.39	0.00
33.05	5.81	2.39	0.00	35.65	5.81	2.39	0.00
33.10	5.81	2.39	0.00	35.70	5.81	2.39	0.00
33.15	5.81	2.39	0.00	35.75	5.81	2.39	0.00
33.20	5.81	2.39	0.00	35.80	5.81	2.39	0.00
33.25	5.81	2.39	0.00	35.85	5.81	2.39	0.00
33.30	5.81	2.39	0.00	35.90	5.81	2.39	0.00
33.35	5.81	2.39	0.00	35.95	5.81	2.39	0.00
33.40	5.81	2.39	0.00	36.00	5.81	2.39	0.00
33.45	5.81	2.39	0.00	36.05	5.81	2.39	0.00
33.50	5.81	2.39	0.00	36.10	5.81	2.39	0.00
33.55	5.81	2.39	0.00	36.15	5.81	2.39	0.00
33.60	5.81	2.39	0.00	36.20	5.81	2.39	0.00
33.65	5.81	2.39	0.00	36.25	5.81	2.39	0.00
33.70	5.81	2.39	0.00	36.30	5.81	2.39	0.00
33.75	5.81	2.39	0.00	36.35	5.81	2.39	0.00

Hydrograph for Subcatchment OPDA-1P: PDA-1 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.39	0.00
36.45	5.81	2.39	0.00
36.50	5.81	2.39	0.00
36.55	5.81	2.39	0.00
36.60	5.81	2.39	0.00
36.65	5.81	2.39	0.00
36.70	5.81	2.39	0.00
36.75	5.81	2.39	0.00
36.80	5.81	2.39	0.00
36.85	5.81	2.39	0.00
36.90	5.81	2.39	0.00
36.95	5.81	2.39	0.00
37.00	5.81	2.39	0.00
37.05	5.81	2.39	0.00
37.10	5.81	2.39	0.00
37.15	5.81	2.39	0.00
37.20	5.81	2.39	0.00
37.25	5.81	2.39	0.00
37.30	5.81	2.39	0.00
37.35	5.81	2.39	0.00
37.40	5.81	2.39	0.00
37.45	5.81	2.39	0.00
37.50	5.81	2.39	0.00
37.55	5.81	2.39	0.00
37.60	5.81	2.39	0.00
37.65	5.81	2.39	0.00
37.70	5.81	2.39	0.00
37.75	5.81	2.39	0.00
37.80	5.81	2.39	0.00
37.85	5.81	2.39	0.00
37.90	5.81	2.39	0.00
37.95	5.81	2.39	0.00
38.00	5.81	2.39	0.00
38.05	5.81	2.39	0.00
38.10	5.81	2.39	0.00
38.15	5.81	2.39	0.00
38.20	5.81	2.39	0.00
38.25	5.81	2.39	0.00
38.30	5.81	2.39	0.00
38.35	5.81	2.39	0.00
38.40	5.81	2.39	0.00
38.45	5.81	2.39	0.00
38.50	5.81	2.39	0.00
38.55	5.81	2.39	0.00
38.60	5.81	2.39	0.00
38.65	5.81	2.39	0.00
38.70	5.81	2.39	0.00
38.75	5.81	2.39	0.00
38.80	5.81	2.39	0.00
38.85	5.81	2.39	0.00
38.90	5.81	2.39	0.00
38.95	5.81	2.39	0.00
39.00	5.81	2.39	0.00
39.05	5.81	2.39	0.00
39.10	5.81	2.39	0.00
39.15	5.81	2.39	0.00
39.20	5.81	2.39	0.00
39.25	5.81	2.39	0.00
39.30	5.81	2.39	0.00
39.35	5.81	2.39	0.00
39.40	5.81	2.39	0.00
39.45	5.81	2.39	0.00
39.50	5.81	2.39	0.00
39.55	5.81	2.39	0.00
39.60	5.81	2.39	0.00
39.65	5.81	2.39	0.00
39.70	5.81	2.39	0.00
39.75	5.81	2.39	0.00
39.80	5.81	2.39	0.00
39.85	5.81	2.39	0.00
39.90	5.81	2.39	0.00
39.95	5.81	2.39	0.00
40.00	5.81	2.39	0.00

Summary for Subcatchment UPDA-1: PDA-1 (undetained)

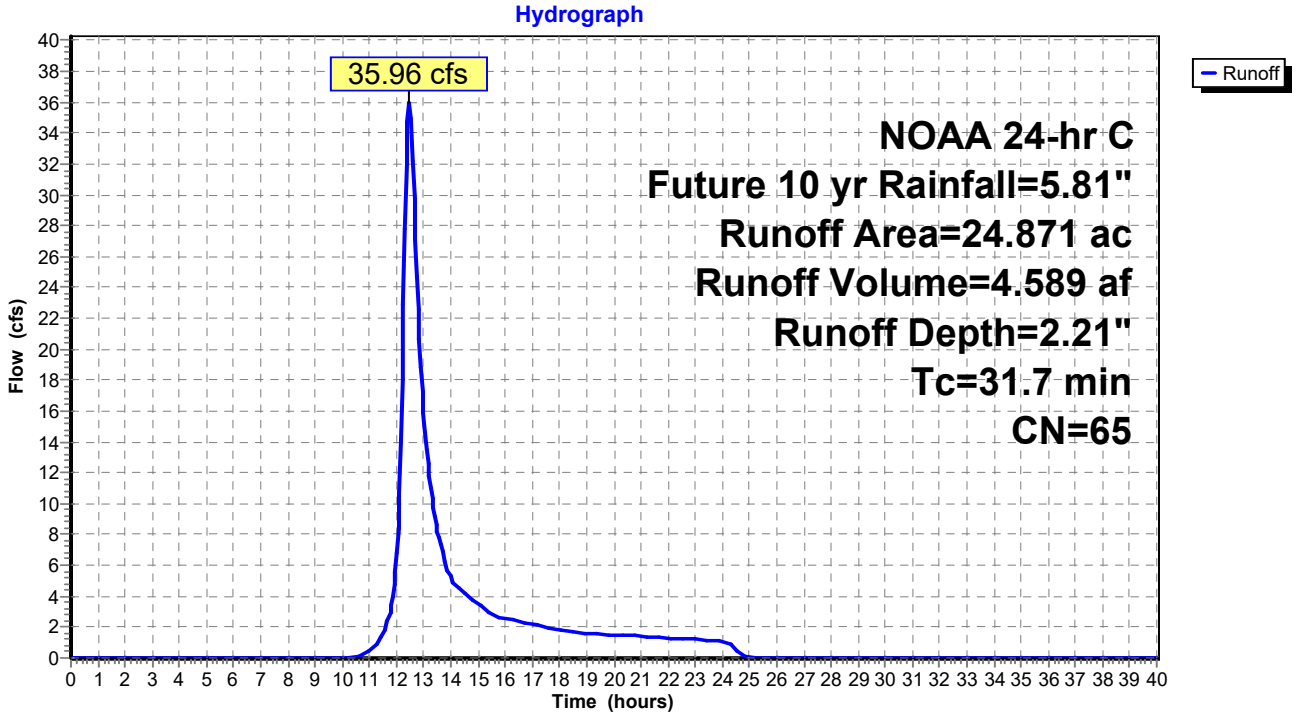
Runoff = 35.96 cfs @ 12.47 hrs, Volume= 4.589 af, Depth= 2.21"
Routed to Link PDA-1ON : PDA-1 (onsite)

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
2.031	74	>75% Grass cover, Good, HSG C
11.340	55	Woods, Good, HSG B
7.890	70	Woods, Good, HSG C
3.610	77	Woods, Good, HSG D
24.871	65	Weighted Average
24.871		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.7					**Direct Entry,**

Subcatchment UPDA-1: PDA-1 (undetained)



Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.01

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.01	13.00	4.42	1.28	15.85
10.45	1.18	0.00	0.03	13.05	4.44	1.29	14.60
10.50	1.20	0.00	0.04	13.10	4.46	1.31	13.52
10.55	1.21	0.00	0.06	13.15	4.48	1.32	12.58
10.60	1.23	0.00	0.08	13.20	4.50	1.33	11.74
10.65	1.25	0.01	0.11	13.25	4.52	1.35	10.99
10.70	1.27	0.01	0.14	13.30	4.54	1.36	10.32
10.75	1.29	0.01	0.17	13.35	4.56	1.37	9.72
10.80	1.31	0.01	0.21	13.40	4.58	1.38	9.16
10.85	1.33	0.01	0.25	13.45	4.60	1.39	8.65
10.90	1.35	0.01	0.30	13.50	4.61	1.40	8.20
10.95	1.37	0.02	0.36	13.55	4.63	1.41	7.79
11.00	1.39	0.02	0.42	13.60	4.64	1.42	7.40
11.05	1.42	0.02	0.48	13.65	4.66	1.43	7.05
11.10	1.45	0.02	0.56	13.70	4.67	1.44	6.71
11.15	1.48	0.03	0.64	13.75	4.68	1.45	6.39
11.20	1.51	0.03	0.73	13.80	4.70	1.46	6.09
11.25	1.54	0.04	0.83	13.85	4.71	1.46	5.83
11.30	1.57	0.04	0.95	13.90	4.72	1.47	5.58
11.35	1.61	0.05	1.08	13.95	4.74	1.48	5.37
11.40	1.64	0.05	1.22	14.00	4.75	1.49	5.19
11.45	1.68	0.06	1.38	14.05	4.76	1.50	5.03
11.50	1.72	0.07	1.56	14.10	4.78	1.51	4.89
11.55	1.78	0.08	1.76	14.15	4.79	1.51	4.77
11.60	1.83	0.09	1.98	14.20	4.80	1.52	4.66
11.65	1.90	0.11	2.24	14.25	4.81	1.53	4.56
11.70	1.96	0.12	2.55	14.30	4.82	1.54	4.47
11.75	2.04	0.15	2.94	14.35	4.83	1.54	4.38
11.80	2.13	0.17	3.42	14.40	4.85	1.55	4.30
11.85	2.25	0.21	4.00	14.45	4.86	1.56	4.22
11.90	2.36	0.25	4.71	14.50	4.87	1.57	4.15
11.95	2.57	0.32	5.61	14.55	4.88	1.57	4.07
12.00	2.77	0.40	6.79	14.60	4.89	1.58	4.00
12.05	3.11	0.56	8.40	14.65	4.90	1.59	3.93
12.10	3.45	0.72	10.69	14.70	4.91	1.59	3.86
12.15	3.56	0.79	13.90	14.75	4.92	1.60	3.79
12.20	3.68	0.85	18.09	14.80	4.93	1.60	3.72
12.25	3.77	0.90	22.93	14.85	4.94	1.61	3.65
12.30	3.85	0.94	27.83	14.90	4.94	1.62	3.59
12.35	3.91	0.98	32.01	14.95	4.95	1.62	3.52
12.40	3.98	1.01	34.69	15.00	4.96	1.63	3.45
12.45	4.03	1.05	**35.88**	15.05	4.97	1.63	3.38
12.50	4.09	1.08	35.66	15.10	4.98	1.64	3.31
12.55	4.13	1.11	34.32	15.15	4.99	1.64	3.24
12.60	4.17	1.13	32.22	15.20	4.99	1.65	3.18
12.65	4.20	1.15	29.71	15.25	5.00	1.65	3.11
12.70	4.24	1.17	27.11	15.30	5.01	1.66	3.05
12.75	4.27	1.19	24.75	15.35	5.02	1.67	2.98
12.80	4.30	1.21	22.61	15.40	5.03	1.67	2.93
12.85	4.33	1.23	20.64	15.45	5.03	1.68	2.88
12.90	4.36	1.25	18.85	15.50	5.04	1.68	2.83
12.95	4.39	1.26	17.25	15.55	5.05	1.69	2.79

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.69	2.76	18.20	5.37	1.90	1.75
15.65	5.06	1.70	2.73	18.25	5.37	1.91	1.73
15.70	5.07	1.70	2.70	18.30	5.38	1.91	1.71
15.75	5.08	1.71	2.67	18.35	5.38	1.91	1.69
15.80	5.09	1.71	2.65	18.40	5.39	1.92	1.68
15.85	5.09	1.72	2.62	18.45	5.39	1.92	1.66
15.90	5.10	1.72	2.60	18.50	5.40	1.92	1.65
15.95	5.11	1.73	2.58	18.55	5.40	1.93	1.64
16.00	5.11	1.73	2.56	18.60	5.40	1.93	1.63
16.05	5.12	1.73	2.54	18.65	5.41	1.93	1.62
16.10	5.13	1.74	2.52	18.70	5.41	1.93	1.62
16.15	5.13	1.74	2.50	18.75	5.42	1.94	1.61
16.20	5.14	1.75	2.48	18.80	5.42	1.94	1.60
16.25	5.15	1.75	2.47	18.85	5.43	1.94	1.60
16.30	5.16	1.76	2.45	18.90	5.43	1.95	1.59
16.35	5.16	1.76	2.43	18.95	5.44	1.95	1.58
16.40	5.17	1.77	2.41	19.00	5.44	1.95	1.58
16.45	5.17	1.77	2.40	19.05	5.44	1.96	1.58
16.50	5.18	1.78	2.38	19.10	5.45	1.96	1.57
16.55	5.19	1.78	2.36	19.15	5.45	1.96	1.57
16.60	5.19	1.78	2.34	19.20	5.46	1.97	1.56
16.65	5.20	1.79	2.32	19.25	5.46	1.97	1.56
16.70	5.21	1.79	2.30	19.30	5.47	1.97	1.55
16.75	5.21	1.80	2.29	19.35	5.47	1.97	1.55
16.80	5.22	1.80	2.27	19.40	5.48	1.98	1.54
16.85	5.23	1.81	2.25	19.45	5.48	1.98	1.54
16.90	5.23	1.81	2.23	19.50	5.48	1.98	1.53
16.95	5.24	1.81	2.21	19.55	5.49	1.99	1.53
17.00	5.24	1.82	2.20	19.60	5.49	1.99	1.52
17.05	5.25	1.82	2.18	19.65	5.50	1.99	1.52
17.10	5.25	1.83	2.16	19.70	5.50	2.00	1.52
17.15	5.26	1.83	2.14	19.75	5.50	2.00	1.51
17.20	5.27	1.83	2.12	19.80	5.51	2.00	1.51
17.25	5.27	1.84	2.10	19.85	5.51	2.00	1.50
17.30	5.28	1.84	2.09	19.90	5.52	2.01	1.50
17.35	5.28	1.84	2.07	19.95	5.52	2.01	1.49
17.40	5.29	1.85	2.05	20.00	5.53	2.01	1.49
17.45	5.29	1.85	2.03	20.05	5.53	2.02	1.49
17.50	5.30	1.86	2.01	20.10	5.53	2.02	1.48
17.55	5.30	1.86	1.99	20.15	5.54	2.02	1.48
17.60	5.31	1.86	1.97	20.20	5.54	2.02	1.47
17.65	5.31	1.87	1.96	20.25	5.55	2.03	1.47
17.70	5.32	1.87	1.94	20.30	5.55	2.03	1.46
17.75	5.33	1.87	1.92	20.35	5.55	2.03	1.46
17.80	5.33	1.88	1.90	20.40	5.56	2.04	1.45
17.85	5.34	1.88	1.88	20.45	5.56	2.04	1.45
17.90	5.34	1.88	1.86	20.50	5.57	2.04	1.44
17.95	5.34	1.89	1.84	20.55	5.57	2.04	1.44
18.00	5.35	1.89	1.82	20.60	5.57	2.05	1.43
18.05	5.35	1.89	1.80	20.65	5.58	2.05	1.43
18.10	5.36	1.90	1.79	20.70	5.58	2.05	1.42
18.15	5.36	1.90	1.77	20.75	5.59	2.05	1.42

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.06	1.42	23.40	5.77	2.19	1.17
20.85	5.59	2.06	1.41	23.45	5.78	2.19	1.16
20.90	5.60	2.06	1.41	23.50	5.78	2.19	1.16
20.95	5.60	2.07	1.40	23.55	5.78	2.19	1.16
21.00	5.61	2.07	1.40	23.60	5.78	2.20	1.15
21.05	5.61	2.07	1.39	23.65	5.79	2.20	1.15
21.10	5.61	2.07	1.39	23.70	5.79	2.20	1.14
21.15	5.62	2.08	1.38	23.75	5.79	2.20	1.14
21.20	5.62	2.08	1.38	23.80	5.80	2.20	1.13
21.25	5.62	2.08	1.37	23.85	5.80	2.21	1.13
21.30	5.63	2.08	1.37	23.90	5.80	2.21	1.12
21.35	5.63	2.09	1.36	23.95	5.81	2.21	1.12
21.40	5.64	2.09	1.36	24.00	**5.81**	**2.21**	1.11
21.45	5.64	2.09	1.36	24.05	5.81	2.21	1.11
21.50	5.64	2.09	1.35	24.10	5.81	2.21	1.11
21.55	5.65	2.10	1.35	24.15	5.81	2.21	1.10
21.60	5.65	2.10	1.34	24.20	5.81	2.21	1.07
21.65	5.65	2.10	1.34	24.25	5.81	2.21	1.01
21.70	5.66	2.11	1.33	24.30	5.81	2.21	0.93
21.75	5.66	2.11	1.33	24.35	5.81	2.21	0.82
21.80	5.66	2.11	1.32	24.40	5.81	2.21	0.70
21.85	5.67	2.11	1.32	24.45	5.81	2.21	0.59
21.90	5.67	2.12	1.31	24.50	5.81	2.21	0.48
21.95	5.68	2.12	1.31	24.55	5.81	2.21	0.38
22.00	5.68	2.12	1.30	24.60	5.81	2.21	0.30
22.05	5.68	2.12	1.30	24.65	5.81	2.21	0.23
22.10	5.69	2.13	1.30	24.70	5.81	2.21	0.19
22.15	5.69	2.13	1.29	24.75	5.81	2.21	0.15
22.20	5.69	2.13	1.29	24.80	5.81	2.21	0.12
22.25	5.70	2.13	1.28	24.85	5.81	2.21	0.09
22.30	5.70	2.14	1.28	24.90	5.81	2.21	0.07
22.35	5.70	2.14	1.27	24.95	5.81	2.21	0.06
22.40	5.71	2.14	1.27	25.00	5.81	2.21	0.05
22.45	5.71	2.14	1.26	25.05	5.81	2.21	0.04
22.50	5.71	2.15	1.26	25.10	5.81	2.21	0.03
22.55	5.72	2.15	1.25	25.15	5.81	2.21	0.02
22.60	5.72	2.15	1.25	25.20	5.81	2.21	0.02
22.65	5.72	2.15	1.24	25.25	5.81	2.21	0.01
22.70	5.73	2.15	1.24	25.30	5.81	2.21	0.01
22.75	5.73	2.16	1.23	25.35	5.81	2.21	0.01
22.80	5.73	2.16	1.23	25.40	5.81	2.21	0.01
22.85	5.74	2.16	1.22	25.45	5.81	2.21	0.00
22.90	5.74	2.16	1.22	25.50	5.81	2.21	0.00
22.95	5.74	2.17	1.21	25.55	5.81	2.21	0.00
23.00	5.75	2.17	1.21	25.60	5.81	2.21	0.00
23.05	5.75	2.17	1.20	25.65	5.81	2.21	0.00
23.10	5.75	2.17	1.20	25.70	5.81	2.21	0.00
23.15	5.76	2.18	1.19	25.75	5.81	2.21	0.00
23.20	5.76	2.18	1.19	25.80	5.81	2.21	0.00
23.25	5.76	2.18	1.18	25.85	5.81	2.21	0.00
23.30	5.77	2.18	1.18	25.90	5.81	2.21	0.00
23.35	5.77	2.18	1.18	25.95	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.21	0.00	28.60	5.81	2.21	0.00
26.05	5.81	2.21	0.00	28.65	5.81	2.21	0.00
26.10	5.81	2.21	0.00	28.70	5.81	2.21	0.00
26.15	5.81	2.21	0.00	28.75	5.81	2.21	0.00
26.20	5.81	2.21	0.00	28.80	5.81	2.21	0.00
26.25	5.81	2.21	0.00	28.85	5.81	2.21	0.00
26.30	5.81	2.21	0.00	28.90	5.81	2.21	0.00
26.35	5.81	2.21	0.00	28.95	5.81	2.21	0.00
26.40	5.81	2.21	0.00	29.00	5.81	2.21	0.00
26.45	5.81	2.21	0.00	29.05	5.81	2.21	0.00
26.50	5.81	2.21	0.00	29.10	5.81	2.21	0.00
26.55	5.81	2.21	0.00	29.15	5.81	2.21	0.00
26.60	5.81	2.21	0.00	29.20	5.81	2.21	0.00
26.65	5.81	2.21	0.00	29.25	5.81	2.21	0.00
26.70	5.81	2.21	0.00	29.30	5.81	2.21	0.00
26.75	5.81	2.21	0.00	29.35	5.81	2.21	0.00
26.80	5.81	2.21	0.00	29.40	5.81	2.21	0.00
26.85	5.81	2.21	0.00	29.45	5.81	2.21	0.00
26.90	5.81	2.21	0.00	29.50	5.81	2.21	0.00
26.95	5.81	2.21	0.00	29.55	5.81	2.21	0.00
27.00	5.81	2.21	0.00	29.60	5.81	2.21	0.00
27.05	5.81	2.21	0.00	29.65	5.81	2.21	0.00
27.10	5.81	2.21	0.00	29.70	5.81	2.21	0.00
27.15	5.81	2.21	0.00	29.75	5.81	2.21	0.00
27.20	5.81	2.21	0.00	29.80	5.81	2.21	0.00
27.25	5.81	2.21	0.00	29.85	5.81	2.21	0.00
27.30	5.81	2.21	0.00	29.90	5.81	2.21	0.00
27.35	5.81	2.21	0.00	29.95	5.81	2.21	0.00
27.40	5.81	2.21	0.00	30.00	5.81	2.21	0.00
27.45	5.81	2.21	0.00	30.05	5.81	2.21	0.00
27.50	5.81	2.21	0.00	30.10	5.81	2.21	0.00
27.55	5.81	2.21	0.00	30.15	5.81	2.21	0.00
27.60	5.81	2.21	0.00	30.20	5.81	2.21	0.00
27.65	5.81	2.21	0.00	30.25	5.81	2.21	0.00
27.70	5.81	2.21	0.00	30.30	5.81	2.21	0.00
27.75	5.81	2.21	0.00	30.35	5.81	2.21	0.00
27.80	5.81	2.21	0.00	30.40	5.81	2.21	0.00
27.85	5.81	2.21	0.00	30.45	5.81	2.21	0.00
27.90	5.81	2.21	0.00	30.50	5.81	2.21	0.00
27.95	5.81	2.21	0.00	30.55	5.81	2.21	0.00
28.00	5.81	2.21	0.00	30.60	5.81	2.21	0.00
28.05	5.81	2.21	0.00	30.65	5.81	2.21	0.00
28.10	5.81	2.21	0.00	30.70	5.81	2.21	0.00
28.15	5.81	2.21	0.00	30.75	5.81	2.21	0.00
28.20	5.81	2.21	0.00	30.80	5.81	2.21	0.00
28.25	5.81	2.21	0.00	30.85	5.81	2.21	0.00
28.30	5.81	2.21	0.00	30.90	5.81	2.21	0.00
28.35	5.81	2.21	0.00	30.95	5.81	2.21	0.00
28.40	5.81	2.21	0.00	31.00	5.81	2.21	0.00
28.45	5.81	2.21	0.00	31.05	5.81	2.21	0.00
28.50	5.81	2.21	0.00	31.10	5.81	2.21	0.00
28.55	5.81	2.21	0.00	31.15	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.21	0.00	33.80	5.81	2.21	0.00
31.25	5.81	2.21	0.00	33.85	5.81	2.21	0.00
31.30	5.81	2.21	0.00	33.90	5.81	2.21	0.00
31.35	5.81	2.21	0.00	33.95	5.81	2.21	0.00
31.40	5.81	2.21	0.00	34.00	5.81	2.21	0.00
31.45	5.81	2.21	0.00	34.05	5.81	2.21	0.00
31.50	5.81	2.21	0.00	34.10	5.81	2.21	0.00
31.55	5.81	2.21	0.00	34.15	5.81	2.21	0.00
31.60	5.81	2.21	0.00	34.20	5.81	2.21	0.00
31.65	5.81	2.21	0.00	34.25	5.81	2.21	0.00
31.70	5.81	2.21	0.00	34.30	5.81	2.21	0.00
31.75	5.81	2.21	0.00	34.35	5.81	2.21	0.00
31.80	5.81	2.21	0.00	34.40	5.81	2.21	0.00
31.85	5.81	2.21	0.00	34.45	5.81	2.21	0.00
31.90	5.81	2.21	0.00	34.50	5.81	2.21	0.00
31.95	5.81	2.21	0.00	34.55	5.81	2.21	0.00
32.00	5.81	2.21	0.00	34.60	5.81	2.21	0.00
32.05	5.81	2.21	0.00	34.65	5.81	2.21	0.00
32.10	5.81	2.21	0.00	34.70	5.81	2.21	0.00
32.15	5.81	2.21	0.00	34.75	5.81	2.21	0.00
32.20	5.81	2.21	0.00	34.80	5.81	2.21	0.00
32.25	5.81	2.21	0.00	34.85	5.81	2.21	0.00
32.30	5.81	2.21	0.00	34.90	5.81	2.21	0.00
32.35	5.81	2.21	0.00	34.95	5.81	2.21	0.00
32.40	5.81	2.21	0.00	35.00	5.81	2.21	0.00
32.45	5.81	2.21	0.00	35.05	5.81	2.21	0.00
32.50	5.81	2.21	0.00	35.10	5.81	2.21	0.00
32.55	5.81	2.21	0.00	35.15	5.81	2.21	0.00
32.60	5.81	2.21	0.00	35.20	5.81	2.21	0.00
32.65	5.81	2.21	0.00	35.25	5.81	2.21	0.00
32.70	5.81	2.21	0.00	35.30	5.81	2.21	0.00
32.75	5.81	2.21	0.00	35.35	5.81	2.21	0.00
32.80	5.81	2.21	0.00	35.40	5.81	2.21	0.00
32.85	5.81	2.21	0.00	35.45	5.81	2.21	0.00
32.90	5.81	2.21	0.00	35.50	5.81	2.21	0.00
32.95	5.81	2.21	0.00	35.55	5.81	2.21	0.00
33.00	5.81	2.21	0.00	35.60	5.81	2.21	0.00
33.05	5.81	2.21	0.00	35.65	5.81	2.21	0.00
33.10	5.81	2.21	0.00	35.70	5.81	2.21	0.00
33.15	5.81	2.21	0.00	35.75	5.81	2.21	0.00
33.20	5.81	2.21	0.00	35.80	5.81	2.21	0.00
33.25	5.81	2.21	0.00	35.85	5.81	2.21	0.00
33.30	5.81	2.21	0.00	35.90	5.81	2.21	0.00
33.35	5.81	2.21	0.00	35.95	5.81	2.21	0.00
33.40	5.81	2.21	0.00	36.00	5.81	2.21	0.00
33.45	5.81	2.21	0.00	36.05	5.81	2.21	0.00
33.50	5.81	2.21	0.00	36.10	5.81	2.21	0.00
33.55	5.81	2.21	0.00	36.15	5.81	2.21	0.00
33.60	5.81	2.21	0.00	36.20	5.81	2.21	0.00
33.65	5.81	2.21	0.00	36.25	5.81	2.21	0.00
33.70	5.81	2.21	0.00	36.30	5.81	2.21	0.00
33.75	5.81	2.21	0.00	36.35	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-1: PDA-1 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.21	0.00
36.45	5.81	2.21	0.00
36.50	5.81	2.21	0.00
36.55	5.81	2.21	0.00
36.60	5.81	2.21	0.00
36.65	5.81	2.21	0.00
36.70	5.81	2.21	0.00
36.75	5.81	2.21	0.00
36.80	5.81	2.21	0.00
36.85	5.81	2.21	0.00
36.90	5.81	2.21	0.00
36.95	5.81	2.21	0.00
37.00	5.81	2.21	0.00
37.05	5.81	2.21	0.00
37.10	5.81	2.21	0.00
37.15	5.81	2.21	0.00
37.20	5.81	2.21	0.00
37.25	5.81	2.21	0.00
37.30	5.81	2.21	0.00
37.35	5.81	2.21	0.00
37.40	5.81	2.21	0.00
37.45	5.81	2.21	0.00
37.50	5.81	2.21	0.00
37.55	5.81	2.21	0.00
37.60	5.81	2.21	0.00
37.65	5.81	2.21	0.00
37.70	5.81	2.21	0.00
37.75	5.81	2.21	0.00
37.80	5.81	2.21	0.00
37.85	5.81	2.21	0.00
37.90	5.81	2.21	0.00
37.95	5.81	2.21	0.00
38.00	5.81	2.21	0.00
38.05	5.81	2.21	0.00
38.10	5.81	2.21	0.00
38.15	5.81	2.21	0.00
38.20	5.81	2.21	0.00
38.25	5.81	2.21	0.00
38.30	5.81	2.21	0.00
38.35	5.81	2.21	0.00
38.40	5.81	2.21	0.00
38.45	5.81	2.21	0.00
38.50	5.81	2.21	0.00
38.55	5.81	2.21	0.00
38.60	5.81	2.21	0.00
38.65	5.81	2.21	0.00
38.70	5.81	2.21	0.00
38.75	5.81	2.21	0.00
38.80	5.81	2.21	0.00
38.85	5.81	2.21	0.00
38.90	5.81	2.21	0.00
38.95	5.81	2.21	0.00
39.00	5.81	2.21	0.00
39.05	5.81	2.21	0.00
39.10	5.81	2.21	0.00
39.15	5.81	2.21	0.00
39.20	5.81	2.21	0.00
39.25	5.81	2.21	0.00
39.30	5.81	2.21	0.00
39.35	5.81	2.21	0.00
39.40	5.81	2.21	0.00
39.45	5.81	2.21	0.00
39.50	5.81	2.21	0.00
39.55	5.81	2.21	0.00
39.60	5.81	2.21	0.00
39.65	5.81	2.21	0.00
39.70	5.81	2.21	0.00
39.75	5.81	2.21	0.00
39.80	5.81	2.21	0.00
39.85	5.81	2.21	0.00
39.90	5.81	2.21	0.00
39.95	5.81	2.21	0.00
40.00	5.81	2.21	0.00

Summary for Pond B-1: Basin #1

Inflow Area = 2.782 ac, 26.02% Impervious, Inflow Depth = 3.38" for Future 10 yr event
Inflow = 5.90 cfs @ 12.09 hrs, Volume= 0.785 af
Outflow = 0.24 cfs @ 18.54 hrs, Volume= 0.493 af, Atten= 96%, Lag= 387.2 min
Primary = 0.24 cfs @ 18.54 hrs, Volume= 0.493 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 211.20' @ 18.54 hrs Surf.Area= 12,317 sf Storage= 24,737 cf

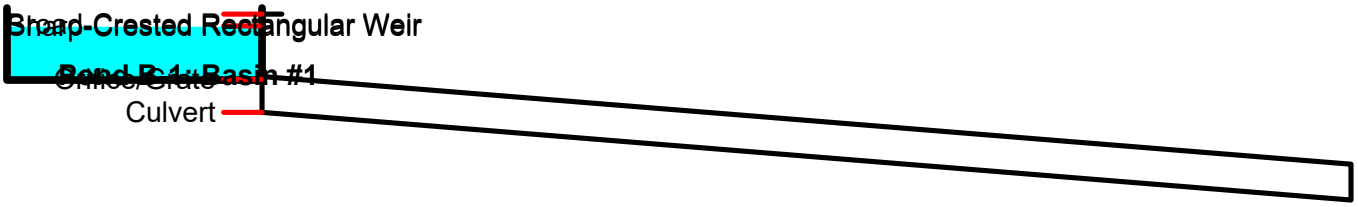
Plug-Flow detention time= 778.6 min calculated for 0.493 af (63% of inflow)
Center-of-Mass det. time= 668.0 min (1,526.5 - 858.6)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	34,903 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

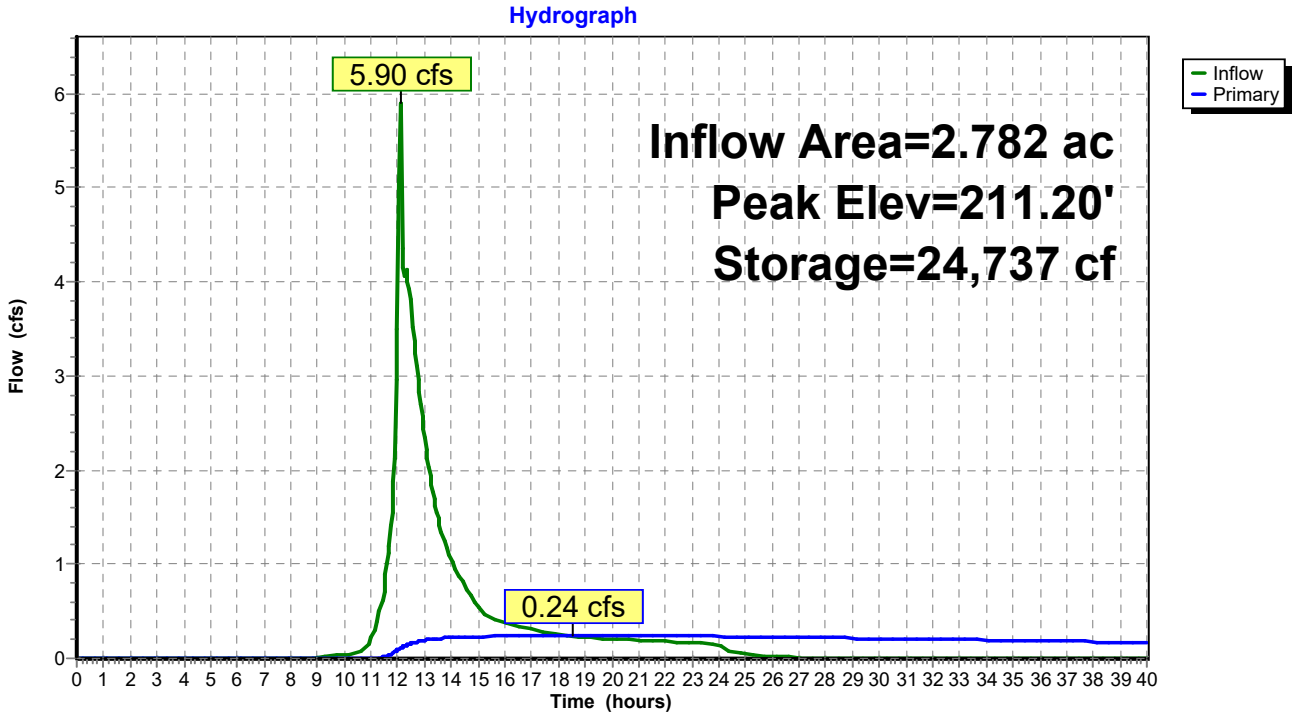
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	10,187	0	0
210.00	11,133	10,660	10,660
211.00	12,113	11,623	22,283
212.00	13,126	12,620	34,903

Device	Routing	Invert	Outlet Devices
#1	Primary	207.65'	**18.0" Round Culvert** L= 276.0' Ke= 0.500 Inlet / Outlet Invert= 207.65' / 204.00' S= 0.0132 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	209.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.24 cfs @ 18.54 hrs HW=211.20' (Free Discharge)
- **1=Culvert** (Passes 0.24 cfs of 13.23 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.24 cfs @ 6.94 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-1: Basin #1



Hydrograph for Pond B-1: Basin #1

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	0	209.00	0.00
0.90	0.00	0	209.00	0.00
1.00	0.00	0	209.00	0.00
1.10	0.00	0	209.00	0.00
1.20	0.00	0	209.00	0.00
1.30	0.00	0	209.00	0.00
1.40	0.00	0	209.00	0.00
1.50	0.00	0	209.00	0.00
1.60	0.00	0	209.00	0.00
1.70	0.00	0	209.00	0.00
1.80	0.00	0	209.00	0.00
1.90	0.00	0	209.00	0.00
2.00	0.00	0	209.00	0.00
2.10	0.00	0	209.00	0.00
2.20	0.00	0	209.00	0.00
2.30	0.00	0	209.00	0.00
2.40	0.00	0	209.00	0.00
2.50	0.00	0	209.00	0.00
2.60	0.00	0	209.00	0.00
2.70	0.00	0	209.00	0.00
2.80	0.00	0	209.00	0.00
2.90	0.00	0	209.00	0.00
3.00	0.00	0	209.00	0.00
3.10	0.00	0	209.00	0.00
3.20	0.00	0	209.00	0.00
3.30	0.00	0	209.00	0.00
3.40	0.00	0	209.00	0.00
3.50	0.00	0	209.00	0.00
3.60	0.00	0	209.00	0.00
3.70	0.00	0	209.00	0.00
3.80	0.00	0	209.00	0.00
3.90	0.00	0	209.00	0.00
4.00	0.00	0	209.00	0.00
4.10	0.00	0	209.00	0.00
4.20	0.00	0	209.00	0.00
4.30	0.00	0	209.00	0.00
4.40	0.00	0	209.00	0.00
4.50	0.00	0	209.00	0.00
4.60	0.00	0	209.00	0.00
4.70	0.00	0	209.00	0.00
4.80	0.00	0	209.00	0.00
4.90	0.00	0	209.00	0.00
5.00	0.00	0	209.00	0.00
5.10	0.00	0	209.00	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	209.00	0.00
5.30	0.00	0	209.00	0.00
5.40	0.00	0	209.00	0.00
5.50	0.00	0	209.00	0.00
5.60	0.00	0	209.00	0.00
5.70	0.00	0	209.00	0.00
5.80	0.00	0	209.00	0.00
5.90	0.00	0	209.00	0.00
6.00	0.00	0	209.00	0.00
6.10	0.00	0	209.00	0.00
6.20	0.00	0	209.00	0.00
6.30	0.00	0	209.00	0.00
6.40	0.00	0	209.00	0.00
6.50	0.00	0	209.00	0.00
6.60	0.00	0	209.00	0.00
6.70	0.00	0	209.00	0.00
6.80	0.00	0	209.00	0.00
6.90	0.00	0	209.00	0.00
7.00	0.00	0	209.00	0.00
7.10	0.00	0	209.00	0.00
7.20	0.00	0	209.00	0.00
7.30	0.00	0	209.00	0.00
7.40	0.00	0	209.00	0.00
7.50	0.00	0	209.00	0.00
7.60	0.00	0	209.00	0.00
7.70	0.00	0	209.00	0.00
7.80	0.00	0	209.00	0.00
7.90	0.00	0	209.00	0.00
8.00	0.00	0	209.00	0.00
8.10	0.00	0	209.00	0.00
8.20	0.00	0	209.00	0.00
8.30	0.00	1	209.00	0.00
8.40	0.00	2	209.00	0.00
8.50	0.00	3	209.00	0.00
8.60	0.01	5	209.00	0.00
8.70	0.01	8	209.00	0.00
8.80	0.01	10	209.00	0.00
8.90	0.01	14	209.00	0.00
9.00	0.01	17	209.00	0.00
9.10	0.01	22	209.00	0.00
9.20	0.01	27	209.00	0.00
9.30	0.02	33	209.00	0.00
9.40	0.02	39	209.00	0.00
9.50	0.02	47	209.00	0.00
9.60	0.03	56	209.01	0.00
9.70	0.03	65	209.01	0.00
9.80	0.03	76	209.01	0.00
9.90	0.04	88	209.01	0.00
10.00	0.04	101	209.01	0.00
10.10	0.04	116	209.01	0.00
10.20	0.05	132	209.01	0.00
10.30	0.05	150	209.01	0.00

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.06	169	209.02	0.00
10.50	0.06	190	209.02	0.00
10.60	0.07	214	209.02	0.00
10.70	0.08	241	209.02	0.00
10.80	0.10	274	209.03	0.00
10.90	0.14	317	209.03	0.00
11.00	0.20	378	209.04	0.00
11.10	0.28	464	209.05	0.00
11.20	0.37	581	209.06	0.00
11.30	0.48	732	209.07	0.01
11.40	0.59	923	209.09	0.01
11.50	0.72	1,154	209.11	0.02
11.60	1.00	1,462	209.14	0.02
11.70	1.19	1,849	209.18	0.04
11.80	1.54	2,332	209.23	0.05
11.90	2.12	2,979	209.29	0.07
12.00	3.50	3,992	209.39	0.08
12.10	**5.87**	5,717	209.55	0.11
12.20	4.15	7,361	209.70	0.12
12.30	4.14	8,792	209.83	0.14
12.40	3.96	10,189	209.96	0.15
12.50	3.82	11,534	210.08	0.16
12.60	3.37	12,756	210.19	0.17
12.70	3.11	13,858	210.28	0.18
12.80	2.83	14,860	210.37	0.18
12.90	2.57	15,764	210.45	0.19
13.00	2.34	16,577	210.52	0.19
13.10	2.12	17,306	210.58	0.20
13.20	1.94	17,962	210.64	0.20
13.30	1.78	18,556	210.69	0.21
13.40	1.63	19,093	210.73	0.21
13.50	1.49	19,577	210.77	0.21
13.60	1.37	20,015	210.81	0.21
13.70	1.27	20,413	210.84	0.22
13.80	1.19	20,778	210.88	0.22
13.90	1.11	21,113	210.90	0.22
14.00	1.05	21,422	210.93	0.22
14.10	0.99	21,707	210.95	0.22
14.20	0.93	21,972	210.97	0.22
14.30	0.88	22,218	210.99	0.22
14.40	0.84	22,446	211.01	0.23
14.50	0.78	22,657	211.03	0.23
14.60	0.72	22,844	211.05	0.23
14.70	0.66	23,011	211.06	0.23
14.80	0.62	23,159	211.07	0.23
14.90	0.58	23,292	211.08	0.23
15.00	0.54	23,410	211.09	0.23
15.10	0.51	23,517	211.10	0.23
15.20	0.49	23,613	211.11	0.23
15.30	0.46	23,700	211.12	0.23
15.40	0.45	23,781	211.12	0.23
15.50	0.43	23,855	211.13	0.23

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.42	23,925	211.13	0.23
15.70	0.41	23,989	211.14	0.23
15.80	0.40	24,050	211.14	0.23
15.90	0.39	24,107	211.15	0.23
16.00	0.38	24,160	211.15	0.23
16.10	0.37	24,211	211.16	0.23
16.20	0.36	24,258	211.16	0.23
16.30	0.35	24,303	211.17	0.23
16.40	0.35	24,345	211.17	0.23
16.50	0.34	24,384	211.17	0.23
16.60	0.34	24,421	211.18	0.24
16.70	0.33	24,456	211.18	0.24
16.80	0.32	24,488	211.18	0.24
16.90	0.32	24,519	211.18	0.24
17.00	0.31	24,547	211.19	0.24
17.10	0.31	24,573	211.19	0.24
17.20	0.30	24,597	211.19	0.24
17.30	0.29	24,619	211.19	0.24
17.40	0.29	24,639	211.19	0.24
17.50	0.28	24,657	211.19	0.24
17.60	0.28	24,673	211.20	0.24
17.70	0.27	24,687	211.20	0.24
17.80	0.27	24,700	211.20	0.24
17.90	0.26	24,710	211.20	0.24
18.00	0.26	24,719	211.20	0.24
18.10	0.25	24,726	211.20	0.24
18.20	0.25	24,731	211.20	0.24
18.30	0.24	24,734	211.20	0.24
18.40	0.24	24,736	211.20	0.24
18.50	0.24	**24,737**	**211.20**	**0.24**
18.60	0.23	**24,737**	**211.20**	**0.24**
18.70	0.23	24,736	211.20	0.24
18.80	0.23	24,734	211.20	0.24
18.90	0.23	24,732	211.20	0.24
19.00	0.23	24,728	211.20	0.24
19.10	0.22	24,723	211.20	0.24
19.20	0.22	24,718	211.20	0.24
19.30	0.22	24,713	211.20	0.24
19.40	0.22	24,706	211.20	0.24
19.50	0.22	24,699	211.20	0.24
19.60	0.21	24,692	211.20	0.24
19.70	0.21	24,684	211.20	0.24
19.80	0.21	24,675	211.20	0.24
19.90	0.21	24,666	211.20	0.24
20.00	0.21	24,656	211.19	0.24
20.10	0.21	24,646	211.19	0.24
20.20	0.21	24,635	211.19	0.24
20.30	0.20	24,624	211.19	0.24
20.40	0.20	24,612	211.19	0.24
20.50	0.20	24,600	211.19	0.24
20.60	0.20	24,587	211.19	0.24
20.70	0.20	24,574	211.19	0.24

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	24,560	211.19	0.24
20.90	0.20	24,546	211.19	0.24
21.00	0.19	24,531	211.18	0.24
21.10	0.19	24,516	211.18	0.24
21.20	0.19	24,500	211.18	0.24
21.30	0.19	24,484	211.18	0.24
21.40	0.19	24,468	211.18	0.24
21.50	0.19	24,451	211.18	0.24
21.60	0.19	24,433	211.18	0.24
21.70	0.18	24,415	211.17	0.24
21.80	0.18	24,397	211.17	0.23
21.90	0.18	24,378	211.17	0.23
22.00	0.18	24,359	211.17	0.23
22.10	0.18	24,339	211.17	0.23
22.20	0.18	24,319	211.17	0.23
22.30	0.18	24,298	211.17	0.23
22.40	0.17	24,277	211.16	0.23
22.50	0.17	24,255	211.16	0.23
22.60	0.17	24,233	211.16	0.23
22.70	0.17	24,211	211.16	0.23
22.80	0.17	24,188	211.16	0.23
22.90	0.17	24,164	211.15	0.23
23.00	0.17	24,140	211.15	0.23
23.10	0.17	24,116	211.15	0.23
23.20	0.16	24,091	211.15	0.23
23.30	0.16	24,066	211.15	0.23
23.40	0.16	24,040	211.14	0.23
23.50	0.16	24,014	211.14	0.23
23.60	0.16	23,987	211.14	0.23
23.70	0.16	23,960	211.14	0.23
23.80	0.16	23,933	211.14	0.23
23.90	0.15	23,905	211.13	0.23
24.00	0.16	23,879	211.13	0.23
24.10	0.11	23,841	211.13	0.23
24.20	0.10	23,794	211.12	0.23
24.30	0.09	23,745	211.12	0.23
24.40	0.08	23,693	211.12	0.23
24.50	0.07	23,637	211.11	0.23
24.60	0.06	23,578	211.11	0.23
24.70	0.06	23,517	211.10	0.23
24.80	0.05	23,453	211.10	0.23
24.90	0.04	23,387	211.09	0.23
25.00	0.04	23,319	211.09	0.23
25.10	0.03	23,250	211.08	0.23
25.20	0.03	23,179	211.07	0.23
25.30	0.03	23,107	211.07	0.23
25.40	0.03	23,034	211.06	0.23
25.50	0.02	22,961	211.06	0.23
25.60	0.02	22,887	211.05	0.23
25.70	0.02	22,813	211.04	0.23
25.80	0.02	22,739	211.04	0.23
25.90	0.02	22,664	211.03	0.23

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.02	22,589	211.03	0.23
26.10	0.02	22,514	211.02	0.23
26.20	0.02	22,438	211.01	0.23
26.30	0.01	22,363	211.01	0.23
26.40	0.01	22,287	211.00	0.22
26.50	0.01	22,211	210.99	0.22
26.60	0.01	22,134	210.99	0.22
26.70	0.01	22,058	210.98	0.22
26.80	0.01	21,982	210.98	0.22
26.90	0.01	21,905	210.97	0.22
27.00	0.01	21,828	210.96	0.22
27.10	0.01	21,752	210.96	0.22
27.20	0.01	21,675	210.95	0.22
27.30	0.01	21,598	210.94	0.22
27.40	0.01	21,521	210.94	0.22
27.50	0.01	21,444	210.93	0.22
27.60	0.01	21,367	210.92	0.22
27.70	0.01	21,290	210.92	0.22
27.80	0.01	21,213	210.91	0.22
27.90	0.01	21,136	210.90	0.22
28.00	0.01	21,060	210.90	0.22
28.10	0.00	20,983	210.89	0.22
28.20	0.00	20,906	210.89	0.22
28.30	0.00	20,829	210.88	0.22
28.40	0.00	20,752	210.87	0.22
28.50	0.00	20,676	210.87	0.22
28.60	0.00	20,599	210.86	0.22
28.70	0.00	20,522	210.85	0.22
28.80	0.00	20,446	210.85	0.22
28.90	0.00	20,370	210.84	0.22
29.00	0.00	20,293	210.83	0.21
29.10	0.00	20,217	210.83	0.21
29.20	0.00	20,141	210.82	0.21
29.30	0.00	20,065	210.82	0.21
29.40	0.00	19,989	210.81	0.21
29.50	0.00	19,913	210.80	0.21
29.60	0.00	19,837	210.80	0.21
29.70	0.00	19,761	210.79	0.21
29.80	0.00	19,686	210.78	0.21
29.90	0.00	19,610	210.78	0.21
30.00	0.00	19,535	210.77	0.21
30.10	0.00	19,460	210.76	0.21
30.20	0.00	19,385	210.76	0.21
30.30	0.00	19,310	210.75	0.21
30.40	0.00	19,235	210.75	0.21
30.50	0.00	19,160	210.74	0.21
30.60	0.00	19,085	210.73	0.21
30.70	0.00	19,011	210.73	0.21
30.80	0.00	18,936	210.72	0.21
30.90	0.00	18,862	210.71	0.21
31.00	0.00	18,788	210.71	0.21
31.10	0.00	18,714	210.70	0.21

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	18,640	210.70	0.21
31.30	0.00	18,566	210.69	0.21
31.40	0.00	18,493	210.68	0.20
31.50	0.00	18,419	210.68	0.20
31.60	0.00	18,346	210.67	0.20
31.70	0.00	18,273	210.66	0.20
31.80	0.00	18,200	210.66	0.20
31.90	0.00	18,127	210.65	0.20
32.00	0.00	18,054	210.65	0.20
32.10	0.00	17,981	210.64	0.20
32.20	0.00	17,909	210.63	0.20
32.30	0.00	17,836	210.63	0.20
32.40	0.00	17,764	210.62	0.20
32.50	0.00	17,692	210.61	0.20
32.60	0.00	17,620	210.61	0.20
32.70	0.00	17,548	210.60	0.20
32.80	0.00	17,476	210.60	0.20
32.90	0.00	17,405	210.59	0.20
33.00	0.00	17,333	210.58	0.20
33.10	0.00	17,262	210.58	0.20
33.20	0.00	17,191	210.57	0.20
33.30	0.00	17,120	210.57	0.20
33.40	0.00	17,049	210.56	0.20
33.50	0.00	16,979	210.55	0.20
33.60	0.00	16,908	210.55	0.20
33.70	0.00	16,838	210.54	0.20
33.80	0.00	16,768	210.54	0.20
33.90	0.00	16,697	210.53	0.19
34.00	0.00	16,627	210.52	0.19
34.10	0.00	16,558	210.52	0.19
34.20	0.00	16,488	210.51	0.19
34.30	0.00	16,419	210.51	0.19
34.40	0.00	16,349	210.50	0.19
34.50	0.00	16,280	210.49	0.19
34.60	0.00	16,211	210.49	0.19
34.70	0.00	16,142	210.48	0.19
34.80	0.00	16,073	210.48	0.19
34.90	0.00	16,005	210.47	0.19
35.00	0.00	15,936	210.46	0.19
35.10	0.00	15,868	210.46	0.19
35.20	0.00	15,800	210.45	0.19
35.30	0.00	15,732	210.45	0.19
35.40	0.00	15,664	210.44	0.19
35.50	0.00	15,596	210.44	0.19
35.60	0.00	15,529	210.43	0.19
35.70	0.00	15,461	210.42	0.19
35.80	0.00	15,394	210.42	0.19
35.90	0.00	15,327	210.41	0.19
36.00	0.00	15,260	210.41	0.19
36.10	0.00	15,193	210.40	0.19
36.20	0.00	15,126	210.39	0.18
36.30	0.00	15,060	210.39	0.18

Hydrograph for Pond B-1: Basin #1 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	14,994	210.38	0.18
36.50	0.00	14,927	210.38	0.18
36.60	0.00	14,861	210.37	0.18
36.70	0.00	14,795	210.37	0.18
36.80	0.00	14,730	210.36	0.18
36.90	0.00	14,664	210.35	0.18
37.00	0.00	14,599	210.35	0.18
37.10	0.00	14,533	210.34	0.18
37.20	0.00	14,468	210.34	0.18
37.30	0.00	14,403	210.33	0.18
37.40	0.00	14,338	210.33	0.18
37.50	0.00	14,274	210.32	0.18
37.60	0.00	14,209	210.31	0.18
37.70	0.00	14,145	210.31	0.18
37.80	0.00	14,080	210.30	0.18
37.90	0.00	14,016	210.30	0.18
38.00	0.00	13,952	210.29	0.18
38.10	0.00	13,889	210.29	0.18
38.20	0.00	13,825	210.28	0.18
38.30	0.00	13,762	210.28	0.18
38.40	0.00	13,698	210.27	0.18
38.50	0.00	13,635	210.26	0.18
38.60	0.00	13,572	210.26	0.17
38.70	0.00	13,509	210.25	0.17
38.80	0.00	13,447	210.25	0.17
38.90	0.00	13,384	210.24	0.17
39.00	0.00	13,322	210.24	0.17
39.10	0.00	13,259	210.23	0.17
39.20	0.00	13,197	210.23	0.17
39.30	0.00	13,135	210.22	0.17
39.40	0.00	13,074	210.21	0.17
39.50	0.00	13,012	210.21	0.17
39.60	0.00	12,950	210.20	0.17
39.70	0.00	12,889	210.20	0.17
39.80	0.00	12,828	210.19	0.17
39.90	0.00	12,767	210.19	0.17
40.00	0.00	12,706	210.18	0.17

Stage-Discharge for Pond B-1: Basin #1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.10	210.04	0.16	210.56	0.20
209.01	0.00	209.53	0.10	210.05	0.16	210.57	0.20
209.02	0.00	209.54	0.11	210.06	0.16	210.58	0.20
209.03	0.00	209.55	0.11	210.07	0.16	210.59	0.20
209.04	0.00	209.56	0.11	210.08	0.16	210.60	0.20
209.05	0.00	209.57	0.11	210.09	0.16	210.61	0.20
209.06	0.00	209.58	0.11	210.10	0.16	210.62	0.20
209.07	0.00	209.59	0.11	210.11	0.16	210.63	0.20
209.08	0.01	209.60	0.11	210.12	0.16	210.64	0.20
209.09	0.01	209.61	0.11	210.13	0.16	210.65	0.20
209.10	0.01	209.62	0.12	210.14	0.17	210.66	0.20
209.11	0.01	209.63	0.12	210.15	0.17	210.67	0.20
209.12	0.02	209.64	0.12	210.16	0.17	210.68	0.20
209.13	0.02	209.65	0.12	210.17	0.17	210.69	0.21
209.14	0.02	209.66	0.12	210.18	0.17	210.70	0.21
209.15	0.03	209.67	0.12	210.19	0.17	210.71	0.21
209.16	0.03	209.68	0.12	210.20	0.17	210.72	0.21
209.17	0.03	209.69	0.12	210.21	0.17	210.73	0.21
209.18	0.04	209.70	0.12	210.22	0.17	210.74	0.21
209.19	0.04	209.71	0.13	210.23	0.17	210.75	0.21
209.20	0.05	209.72	0.13	210.24	0.17	210.76	0.21
209.21	0.05	209.73	0.13	210.25	0.17	210.77	0.21
209.22	0.05	209.74	0.13	210.26	0.17	210.78	0.21
209.23	0.05	209.75	0.13	210.27	0.18	210.79	0.21
209.24	0.06	209.76	0.13	210.28	0.18	210.80	0.21
209.25	0.06	209.77	0.13	210.29	0.18	210.81	0.21
209.26	0.06	209.78	0.13	210.30	0.18	210.82	0.21
209.27	0.06	209.79	0.13	210.31	0.18	210.83	0.21
209.28	0.06	209.80	0.13	210.32	0.18	210.84	0.22
209.29	0.07	209.81	0.14	210.33	0.18	210.85	0.22
209.30	0.07	209.82	0.14	210.34	0.18	210.86	0.22
209.31	0.07	209.83	0.14	210.35	0.18	210.87	0.22
209.32	0.07	209.84	0.14	210.36	0.18	210.88	0.22
209.33	0.07	209.85	0.14	210.37	0.18	210.89	0.22
209.34	0.08	209.86	0.14	210.38	0.18	210.90	0.22
209.35	0.08	209.87	0.14	210.39	0.18	210.91	0.22
209.36	0.08	209.88	0.14	210.40	0.19	210.92	0.22
209.37	0.08	209.89	0.14	210.41	0.19	210.93	0.22
209.38	0.08	209.90	0.14	210.42	0.19	210.94	0.22
209.39	0.08	209.91	0.15	210.43	0.19	210.95	0.22
209.40	0.09	209.92	0.15	210.44	0.19	210.96	0.22
209.41	0.09	209.93	0.15	210.45	0.19	210.97	0.22
209.42	0.09	209.94	0.15	210.46	0.19	210.98	0.22
209.43	0.09	209.95	0.15	210.47	0.19	210.99	0.22
209.44	0.09	209.96	0.15	210.48	0.19	211.00	0.22
209.45	0.09	209.97	0.15	210.49	0.19	211.01	0.23
209.46	0.10	209.98	0.15	210.50	0.19	211.02	0.23
209.47	0.10	209.99	0.15	210.51	0.19	211.03	0.23
209.48	0.10	210.00	0.15	210.52	0.19	211.04	0.23
209.49	0.10	210.01	0.15	210.53	0.19	211.05	0.23
209.50	0.10	210.02	0.16	210.54	0.20	211.06	0.23
209.51	0.10	210.03	0.16	210.55	0.20	211.07	0.23

Stage-Discharge for Pond B-1: Basin #1 (continued)

Elevation (feet)	Primary (cfs)
211.08	0.23
211.09	0.23
211.10	0.23
211.11	0.23
211.12	0.23
211.13	0.23
211.14	0.23
211.15	0.23
211.16	0.23
211.17	0.23
211.18	0.24
211.19	0.24
211.20	0.24
211.21	0.24
211.22	0.24
211.23	0.24
211.24	0.24
211.25	0.24
211.26	0.25
211.27	0.28
211.28	0.31
211.29	0.35
211.30	0.39
211.31	0.43
211.32	0.48
211.33	0.54
211.34	0.60
211.35	0.66
211.36	0.72
211.37	0.79
211.38	0.86
211.39	0.93
211.40	1.00
211.41	1.08
211.42	1.16
211.43	1.24
211.44	1.32
211.45	1.41
211.46	1.50
211.47	1.59
211.48	1.68
211.49	1.77
211.50	1.87
211.51	1.97
211.52	2.06
211.53	2.17
211.54	2.27
211.55	2.37
211.56	2.48
211.57	2.59
211.58	2.70
211.59	2.81
211.60	2.92
211.61	3.03
211.62	3.15
211.63	3.27
211.64	3.38
211.65	3.50
211.66	3.62
211.67	3.75
211.68	3.87
211.69	4.00
211.70	4.12
211.71	4.25
211.72	4.38
211.73	4.51
211.74	4.64
211.75	4.77
211.76	5.03
211.77	5.38
211.78	5.79
211.79	6.26
211.80	6.77
211.81	7.32
211.82	7.91
211.83	8.54
211.84	9.20
211.85	9.89
211.86	10.60
211.87	11.35
211.88	12.13
211.89	12.93
211.90	13.75
211.91	14.60
211.92	15.48
211.93	16.37
211.94	17.29
211.95	18.23
211.96	19.24
211.97	20.26
211.98	21.32
211.99	22.40
212.00	**23.51**

Stage-Area-Storage for Pond B-1: Basin #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	10,187	0	209.52	10,679	5,425
209.01	10,196	102	209.53	10,688	5,532
209.02	10,206	204	209.54	10,698	5,639
209.03	10,215	306	209.55	10,707	5,746
209.04	10,225	408	209.56	10,717	5,853
209.05	10,234	511	209.57	10,726	5,960
209.06	10,244	613	209.58	10,736	6,068
209.07	10,253	715	209.59	10,745	6,175
209.08	10,263	818	209.60	10,755	6,282
209.09	10,272	921	209.61	10,764	6,390
209.10	10,282	1,023	209.62	10,774	6,498
209.11	10,291	1,126	209.63	10,783	6,606
209.12	10,301	1,229	209.64	10,792	6,713
209.13	10,310	1,332	209.65	10,802	6,821
209.14	10,319	1,435	209.66	10,811	6,929
209.15	10,329	1,539	209.67	10,821	7,038
209.16	10,338	1,642	209.68	10,830	7,146
209.17	10,348	1,745	209.69	10,840	7,254
209.18	10,357	1,849	209.70	10,849	7,363
209.19	10,367	1,953	209.71	10,859	7,471
209.20	10,376	2,056	209.72	10,868	7,580
209.21	10,386	2,160	209.73	10,878	7,689
209.22	10,395	2,264	209.74	10,887	7,797
209.23	10,405	2,368	209.75	10,897	7,906
209.24	10,414	2,472	209.76	10,906	8,015
209.25	10,424	2,576	209.77	10,915	8,124
209.26	10,433	2,681	209.78	10,925	8,234
209.27	10,442	2,785	209.79	10,934	8,343
209.28	10,452	2,889	209.80	10,944	8,452
209.29	10,461	2,994	209.81	10,953	8,562
209.30	10,471	3,099	209.82	10,963	8,671
209.31	10,480	3,203	209.83	10,972	8,781
209.32	10,490	3,308	209.84	10,982	8,891
209.33	10,499	3,413	209.85	10,991	9,001
209.34	10,509	3,518	209.86	11,001	9,111
209.35	10,518	3,623	209.87	11,010	9,221
209.36	10,528	3,729	209.88	11,019	9,331
209.37	10,537	3,834	209.89	11,029	9,441
209.38	10,546	3,939	209.90	11,038	9,551
209.39	10,556	4,045	209.91	11,048	9,662
209.40	10,565	4,150	209.92	11,057	9,772
209.41	10,575	4,256	209.93	11,067	9,883
209.42	10,584	4,362	209.94	11,076	9,994
209.43	10,594	4,468	209.95	11,086	10,105
209.44	10,603	4,574	209.96	11,095	10,215
209.45	10,613	4,680	209.97	11,105	10,326
209.46	10,622	4,786	209.98	11,114	10,438
209.47	10,632	4,892	209.99	11,124	10,549
209.48	10,641	4,999	210.00	11,133	10,660
209.49	10,651	5,105	210.01	11,143	10,771
209.50	10,660	5,212	210.02	11,153	10,883
209.51	10,669	5,318	210.03	11,162	10,994

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	11,172	11,106	210.56	11,682	17,048
210.05	11,182	11,218	210.57	11,692	17,165
210.06	11,192	11,330	210.58	11,701	17,282
210.07	11,202	11,442	210.59	11,711	17,399
210.08	11,211	11,554	210.60	11,721	17,516
210.09	11,221	11,666	210.61	11,731	17,633
210.10	11,231	11,778	210.62	11,741	17,751
210.11	11,241	11,891	210.63	11,750	17,868
210.12	11,251	12,003	210.64	11,760	17,986
210.13	11,260	12,116	210.65	11,770	18,103
210.14	11,270	12,228	210.66	11,780	18,221
210.15	11,280	12,341	210.67	11,790	18,339
210.16	11,290	12,454	210.68	11,799	18,457
210.17	11,300	12,567	210.69	11,809	18,575
210.18	11,309	12,680	210.70	11,819	18,693
210.19	11,319	12,793	210.71	11,829	18,811
210.20	11,329	12,906	210.72	11,839	18,930
210.21	11,339	13,020	210.73	11,848	19,048
210.22	11,349	13,133	210.74	11,858	19,167
210.23	11,358	13,247	210.75	11,868	19,285
210.24	11,368	13,360	210.76	11,878	19,404
210.25	11,378	13,474	210.77	11,888	19,523
210.26	11,388	13,588	210.78	11,897	19,642
210.27	11,398	13,702	210.79	11,907	19,761
210.28	11,407	13,816	210.80	11,917	19,880
210.29	11,417	13,930	210.81	11,927	19,999
210.30	11,427	14,044	210.82	11,937	20,119
210.31	11,437	14,158	210.83	11,946	20,238
210.32	11,447	14,273	210.84	11,956	20,357
210.33	11,456	14,387	210.85	11,966	20,477
210.34	11,466	14,502	210.86	11,976	20,597
210.35	11,476	14,617	210.87	11,986	20,717
210.36	11,486	14,731	210.88	11,995	20,836
210.37	11,496	14,846	210.89	12,005	20,956
210.38	11,505	14,961	210.90	12,015	21,077
210.39	11,515	15,076	210.91	12,025	21,197
210.40	11,525	15,192	210.92	12,035	21,317
210.41	11,535	15,307	210.93	12,044	21,437
210.42	11,545	15,422	210.94	12,054	21,558
210.43	11,554	15,538	210.95	12,064	21,679
210.44	11,564	15,653	210.96	12,074	21,799
210.45	11,574	15,769	210.97	12,084	21,920
210.46	11,584	15,885	210.98	12,093	22,041
210.47	11,594	16,001	210.99	12,103	22,162
210.48	11,603	16,117	211.00	12,113	22,283
210.49	11,613	16,233	211.01	12,123	22,404
210.50	11,623	16,349	211.02	12,133	22,525
210.51	11,633	16,465	211.03	12,143	22,647
210.52	11,643	16,582	211.04	12,154	22,768
210.53	11,652	16,698	211.05	12,164	22,890
210.54	11,662	16,815	211.06	12,174	23,012
210.55	11,672	16,931	211.07	12,184	23,133

Stage-Area-Storage for Pond B-1: Basin #1 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	12,194	23,255
211.09	12,204	23,377
211.10	12,214	23,499
211.11	12,224	23,622
211.12	12,235	23,744
211.13	12,245	23,866
211.14	12,255	23,989
211.15	12,265	24,111
211.16	12,275	24,234
211.17	12,285	24,357
211.18	12,295	24,480
211.19	12,305	24,603
211.20	12,316	24,726
211.21	12,326	24,849
211.22	12,336	24,972
211.23	12,346	25,096
211.24	12,356	25,219
211.25	12,366	25,343
211.26	12,376	25,467
211.27	12,387	25,590
211.28	12,397	25,714
211.29	12,407	25,838
211.30	12,417	25,962
211.31	12,427	26,087
211.32	12,437	26,211
211.33	12,447	26,335
211.34	12,457	26,460
211.35	12,468	26,585
211.36	12,478	26,709
211.37	12,488	26,834
211.38	12,498	26,959
211.39	12,508	27,084
211.40	12,518	27,209
211.41	12,528	27,334
211.42	12,538	27,460
211.43	12,549	27,585
211.44	12,559	27,711
211.45	12,569	27,836
211.46	12,579	27,962
211.47	12,589	28,088
211.48	12,599	28,214
211.49	12,609	28,340
211.50	12,620	28,466
211.51	12,630	28,592
211.52	12,640	28,719
211.53	12,650	28,845
211.54	12,660	28,972
211.55	12,670	29,098
211.56	12,680	29,225
211.57	12,690	29,352
211.58	12,701	29,479
211.59	12,711	29,606
211.60	12,721	29,733
211.61	12,731	29,860
211.62	12,741	29,988
211.63	12,751	30,115
211.64	12,761	30,243
211.65	12,771	30,370
211.66	12,782	30,498
211.67	12,792	30,626
211.68	12,802	30,754
211.69	12,812	30,882
211.70	12,822	31,010
211.71	12,832	31,139
211.72	12,842	31,267
211.73	12,852	31,395
211.74	12,863	31,524
211.75	12,873	31,653
211.76	12,883	31,781
211.77	12,893	31,910
211.78	12,903	32,039
211.79	12,913	32,168
211.80	12,923	32,298
211.81	12,934	32,427
211.82	12,944	32,556
211.83	12,954	32,686
211.84	12,964	32,815
211.85	12,974	32,945
211.86	12,984	33,075
211.87	12,994	33,205
211.88	13,004	33,335
211.89	13,015	33,465
211.90	13,025	33,595
211.91	13,035	33,725
211.92	13,045	33,856
211.93	13,055	33,986
211.94	13,065	34,117
211.95	13,075	34,247
211.96	13,085	34,378
211.97	13,096	34,509
211.98	13,106	34,640
211.99	13,116	34,771
212.00	**13,126**	**34,903**

Summary for Pond B-10: Basin #10

Inflow Area = 1.674 ac, 56.63% Impervious, Inflow Depth = 4.47" for Future 10 yr event
Inflow = 9.65 cfs @ 12.08 hrs, Volume= 0.623 af
Outflow = 0.22 cfs @ 15.93 hrs, Volume= 0.426 af, Atten= 98%, Lag= 231.1 min
Primary = 0.22 cfs @ 15.93 hrs, Volume= 0.426 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 181.36' @ 15.93 hrs Surf.Area= 8,477 sf Storage= 19,970 cf

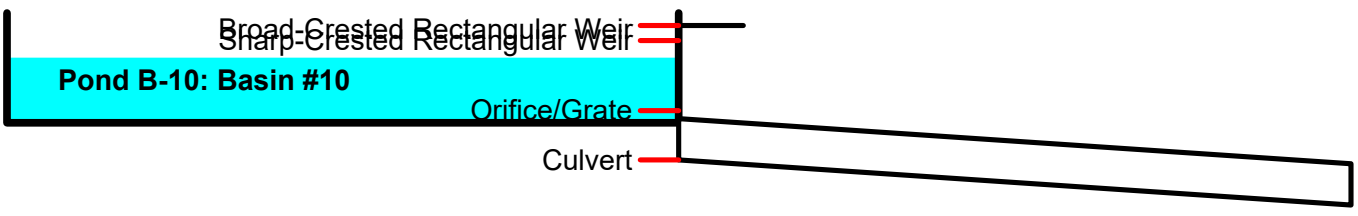
Plug-Flow detention time= 799.4 min calculated for 0.425 af (68% of inflow)
Center-of-Mass det. time= 698.1 min (1,466.6 - 768.5)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	33,908 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

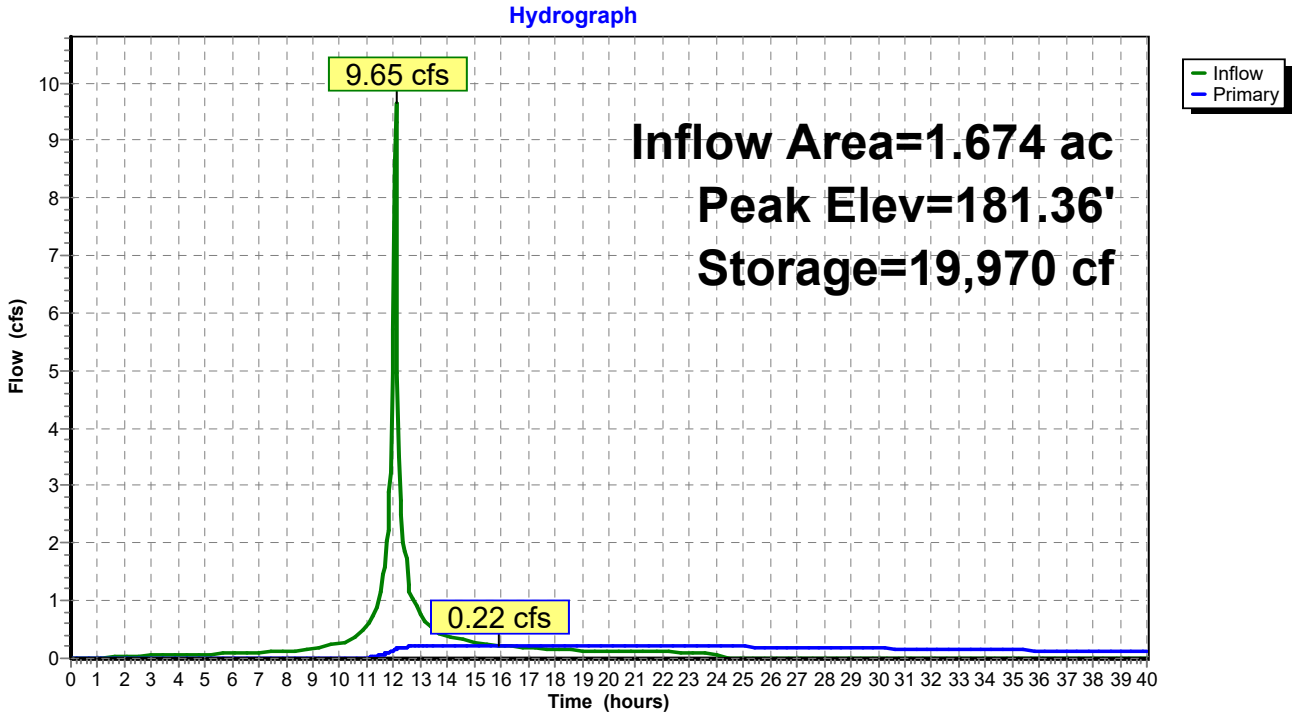
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	8,477	0	0
180.00	8,477	8,477	8,477
181.00	8,477	8,477	16,954
182.00	8,477	8,477	25,431
183.00	8,477	8,477	33,908

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 52.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 176.00' S= 0.0317 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.55'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.22 cfs @ 15.93 hrs HW=181.36' (Free Discharge)
- **1=Culvert** (Passes 0.22 cfs of 14.63 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.48 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-10: Basin #10



Hydrograph for Pond B-10: Basin #10

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	1	179.00	0.00
0.90	0.01	3	179.00	0.00
1.00	0.01	7	179.00	0.00
1.10	0.01	11	179.00	0.00
1.20	0.02	17	179.00	0.00
1.30	0.02	23	179.00	0.00
1.40	0.02	30	179.00	0.00
1.50	0.02	39	179.00	0.00
1.60	0.03	48	179.01	0.00
1.70	0.03	58	179.01	0.00
1.80	0.03	69	179.01	0.00
1.90	0.03	80	179.01	0.00
2.00	0.03	92	179.01	0.00
2.10	0.04	105	179.01	0.00
2.20	0.04	118	179.01	0.00
2.30	0.04	132	179.02	0.00
2.40	0.04	147	179.02	0.00
2.50	0.04	162	179.02	0.00
2.60	0.04	178	179.02	0.00
2.70	0.05	194	179.02	0.00
2.80	0.05	211	179.02	0.00
2.90	0.05	229	179.03	0.00
3.00	0.05	247	179.03	0.00
3.10	0.05	265	179.03	0.00
3.20	0.05	284	179.03	0.00
3.30	0.05	303	179.04	0.00
3.40	0.06	323	179.04	0.00
3.50	0.06	343	179.04	0.00
3.60	0.06	363	179.04	0.00
3.70	0.06	384	179.05	0.00
3.80	0.06	406	179.05	0.00
3.90	0.06	427	179.05	0.00
4.00	0.06	449	179.05	0.00
4.10	0.06	472	179.06	0.00
4.20	0.06	495	179.06	0.00
4.30	0.07	518	179.06	0.00
4.40	0.07	542	179.06	0.00
4.50	0.07	566	179.07	0.00
4.60	0.07	590	179.07	0.00
4.70	0.07	615	179.07	0.00
4.80	0.07	639	179.08	0.00
4.90	0.07	665	179.08	0.00
5.00	0.07	690	179.08	0.00
5.10	0.07	716	179.08	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	742	179.09	0.00
5.30	0.07	769	179.09	0.00
5.40	0.07	796	179.09	0.00
5.50	0.08	823	179.10	0.00
5.60	0.08	850	179.10	0.00
5.70	0.08	878	179.10	0.00
5.80	0.08	906	179.11	0.00
5.90	0.08	934	179.11	0.00
6.00	0.08	963	179.11	0.00
6.10	0.08	992	179.12	0.00
6.20	0.08	1,022	179.12	0.00
6.30	0.09	1,053	179.12	0.00
6.40	0.09	1,085	179.13	0.00
6.50	0.09	1,118	179.13	0.00
6.60	0.09	1,151	179.14	0.00
6.70	0.10	1,185	179.14	0.00
6.80	0.10	1,220	179.14	0.00
6.90	0.10	1,256	179.15	0.00
7.00	0.10	1,293	179.15	0.00
7.10	0.11	1,330	179.16	0.00
7.20	0.11	1,369	179.16	0.00
7.30	0.11	1,408	179.17	0.00
7.40	0.11	1,448	179.17	0.00
7.50	0.11	1,489	179.18	0.00
7.60	0.12	1,531	179.18	0.00
7.70	0.12	1,573	179.19	0.00
7.80	0.12	1,617	179.19	0.00
7.90	0.12	1,661	179.20	0.00
8.00	0.13	1,706	179.20	0.00
8.10	0.13	1,752	179.21	0.00
8.20	0.13	1,799	179.21	0.00
8.30	0.13	1,847	179.22	0.00
8.40	0.14	1,896	179.22	0.00
8.50	0.14	1,947	179.23	0.00
8.60	0.14	1,998	179.24	0.00
8.70	0.15	2,051	179.24	0.00
8.80	0.15	2,105	179.25	0.00
8.90	0.15	2,160	179.25	0.00
9.00	0.16	2,217	179.26	0.00
9.10	0.17	2,276	179.27	0.00
9.20	0.18	2,339	179.28	0.00
9.30	0.19	2,405	179.28	0.00
9.40	0.20	2,476	179.29	0.00
9.50	0.21	2,549	179.30	0.00
9.60	0.22	2,627	179.31	0.00
9.70	0.23	2,708	179.32	0.00
9.80	0.24	2,794	179.33	0.00
9.90	0.25	2,883	179.34	0.00
10.00	0.26	2,977	179.35	0.00
10.10	0.28	3,074	179.36	0.00
10.20	0.29	3,176	179.37	0.00
10.30	0.30	3,282	179.39	0.00

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.31	3,392	179.40	0.00
10.50	0.33	3,507	179.41	0.00
10.60	0.36	3,633	179.43	0.00
10.70	0.41	3,773	179.45	0.00
10.80	0.45	3,928	179.46	0.00
10.90	0.49	4,097	179.48	0.00
11.00	0.54	4,281	179.51	0.01
11.10	0.61	4,487	179.53	0.01
11.20	0.70	4,719	179.56	0.02
11.30	0.78	4,978	179.59	0.03
11.40	0.86	5,263	179.62	0.04
11.50	0.96	5,573	179.66	0.06
11.60	1.46	6,011	179.71	0.07
11.70	1.60	6,538	179.77	0.08
11.80	2.23	7,221	179.85	0.09
11.90	3.23	8,198	179.97	0.11
12.00	5.71	9,851	180.16	0.13
12.10	**9.33**	12,700	180.50	0.16
12.20	3.50	14,685	180.73	0.18
12.30	2.49	15,651	180.85	0.19
12.40	1.84	16,332	180.93	0.19
12.50	1.73	16,903	180.99	0.20
12.60	1.14	17,321	181.04	0.20
12.70	1.06	17,642	181.08	0.20
12.80	0.97	17,932	181.12	0.21
12.90	0.88	18,187	181.15	0.21
13.00	0.79	18,409	181.17	0.21
13.10	0.70	18,597	181.19	0.21
13.20	0.65	18,760	181.21	0.21
13.30	0.60	18,905	181.23	0.21
13.40	0.55	19,032	181.25	0.21
13.50	0.50	19,141	181.26	0.21
13.60	0.45	19,231	181.27	0.22
13.70	0.43	19,311	181.28	0.22
13.80	0.42	19,387	181.29	0.22
13.90	0.41	19,457	181.30	0.22
14.00	0.39	19,523	181.30	0.22
14.10	0.38	19,584	181.31	0.22
14.20	0.37	19,640	181.32	0.22
14.30	0.36	19,691	181.32	0.22
14.40	0.34	19,737	181.33	0.22
14.50	0.33	19,779	181.33	0.22
14.60	0.32	19,815	181.34	0.22
14.70	0.30	19,847	181.34	0.22
14.80	0.29	19,874	181.34	0.22
14.90	0.28	19,896	181.35	0.22
15.00	0.26	19,913	181.35	0.22
15.10	0.25	19,926	181.35	0.22
15.20	0.25	19,936	181.35	0.22
15.30	0.24	19,944	181.35	0.22
15.40	0.24	19,952	181.35	0.22
15.50	0.24	19,958	181.35	0.22

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.23	19,963	181.35	0.22
15.70	0.23	19,966	181.36	0.22
15.80	0.23	19,969	181.36	0.22
15.90	0.22	**19,970**	**181.36**	**0.22**
16.00	0.22	**19,969**	**181.36**	**0.22**
16.10	0.22	19,968	181.36	0.22
16.20	0.21	19,965	181.36	0.22
16.30	0.21	19,961	181.35	0.22
16.40	0.21	19,956	181.35	0.22
16.50	0.20	19,950	181.35	0.22
16.60	0.20	19,942	181.35	0.22
16.70	0.19	19,933	181.35	0.22
16.80	0.19	19,923	181.35	0.22
16.90	0.19	19,911	181.35	0.22
17.00	0.18	19,899	181.35	0.22
17.10	0.18	19,885	181.35	0.22
17.20	0.18	19,870	181.34	0.22
17.30	0.17	19,854	181.34	0.22
17.40	0.17	19,836	181.34	0.22
17.50	0.17	19,817	181.34	0.22
17.60	0.16	19,797	181.34	0.22
17.70	0.16	19,776	181.33	0.22
17.80	0.16	19,754	181.33	0.22
17.90	0.15	19,730	181.33	0.22
18.00	0.15	19,705	181.32	0.22
18.10	0.15	19,679	181.32	0.22
18.20	0.14	19,652	181.32	0.22
18.30	0.14	19,625	181.32	0.22
18.40	0.14	19,598	181.31	0.22
18.50	0.14	19,571	181.31	0.22
18.60	0.14	19,543	181.31	0.22
18.70	0.14	19,515	181.30	0.22
18.80	0.14	19,487	181.30	0.22
18.90	0.14	19,458	181.30	0.22
19.00	0.14	19,430	181.29	0.22
19.10	0.14	19,401	181.29	0.22
19.20	0.14	19,372	181.29	0.22
19.30	0.13	19,342	181.28	0.22
19.40	0.13	19,313	181.28	0.22
19.50	0.13	19,283	181.27	0.22
19.60	0.13	19,253	181.27	0.22
19.70	0.13	19,223	181.27	0.22
19.80	0.13	19,192	181.26	0.22
19.90	0.13	19,162	181.26	0.22
20.00	0.13	19,131	181.26	0.21
20.10	0.13	19,099	181.25	0.21
20.20	0.13	19,068	181.25	0.21
20.30	0.13	19,036	181.25	0.21
20.40	0.12	19,004	181.24	0.21
20.50	0.12	18,972	181.24	0.21
20.60	0.12	18,940	181.23	0.21
20.70	0.12	18,907	181.23	0.21

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.12	18,874	181.23	0.21
20.90	0.12	18,841	181.22	0.21
21.00	0.12	18,808	181.22	0.21
21.10	0.12	18,774	181.21	0.21
21.20	0.12	18,740	181.21	0.21
21.30	0.12	18,707	181.21	0.21
21.40	0.12	18,672	181.20	0.21
21.50	0.12	18,638	181.20	0.21
21.60	0.11	18,603	181.19	0.21
21.70	0.11	18,568	181.19	0.21
21.80	0.11	18,533	181.19	0.21
21.90	0.11	18,498	181.18	0.21
22.00	0.11	18,462	181.18	0.21
22.10	0.11	18,427	181.17	0.21
22.20	0.11	18,391	181.17	0.21
22.30	0.11	18,355	181.17	0.21
22.40	0.11	18,318	181.16	0.21
22.50	0.11	18,281	181.16	0.21
22.60	0.11	18,245	181.15	0.21
22.70	0.10	18,208	181.15	0.21
22.80	0.10	18,170	181.14	0.21
22.90	0.10	18,133	181.14	0.21
23.00	0.10	18,095	181.13	0.21
23.10	0.10	18,057	181.13	0.21
23.20	0.10	18,019	181.13	0.21
23.30	0.10	17,980	181.12	0.21
23.40	0.10	17,942	181.12	0.21
23.50	0.10	17,903	181.11	0.21
23.60	0.10	17,864	181.11	0.21
23.70	0.10	17,825	181.10	0.20
23.80	0.09	17,785	181.10	0.20
23.90	0.09	17,746	181.09	0.20
24.00	0.11	17,711	181.09	0.20
24.10	0.00	17,653	181.08	0.20
24.20	0.00	17,580	181.07	0.20
24.30	0.00	17,507	181.07	0.20
24.40	0.00	17,434	181.06	0.20
24.50	0.00	17,361	181.05	0.20
24.60	0.00	17,289	181.04	0.20
24.70	0.00	17,217	181.03	0.20
24.80	0.00	17,145	181.02	0.20
24.90	0.00	17,073	181.01	0.20
25.00	0.00	17,002	181.01	0.20
25.10	0.00	16,930	181.00	0.20
25.20	0.00	16,859	180.99	0.20
25.30	0.00	16,788	180.98	0.20
25.40	0.00	16,718	180.97	0.20
25.50	0.00	16,647	180.96	0.20
25.60	0.00	16,577	180.96	0.19
25.70	0.00	16,507	180.95	0.19
25.80	0.00	16,437	180.94	0.19
25.90	0.00	16,367	180.93	0.19

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	16,298	180.92	0.19
26.10	0.00	16,228	180.91	0.19
26.20	0.00	16,159	180.91	0.19
26.30	0.00	16,090	180.90	0.19
26.40	0.00	16,022	180.89	0.19
26.50	0.00	15,953	180.88	0.19
26.60	0.00	15,885	180.87	0.19
26.70	0.00	15,817	180.87	0.19
26.80	0.00	15,749	180.86	0.19
26.90	0.00	15,682	180.85	0.19
27.00	0.00	15,614	180.84	0.19
27.10	0.00	15,547	180.83	0.19
27.20	0.00	15,480	180.83	0.19
27.30	0.00	15,413	180.82	0.19
27.40	0.00	15,347	180.81	0.18
27.50	0.00	15,280	180.80	0.18
27.60	0.00	15,214	180.79	0.18
27.70	0.00	15,148	180.79	0.18
27.80	0.00	15,082	180.78	0.18
27.90	0.00	15,017	180.77	0.18
28.00	0.00	14,951	180.76	0.18
28.10	0.00	14,886	180.76	0.18
28.20	0.00	14,821	180.75	0.18
28.30	0.00	14,757	180.74	0.18
28.40	0.00	14,692	180.73	0.18
28.50	0.00	14,628	180.73	0.18
28.60	0.00	14,564	180.72	0.18
28.70	0.00	14,500	180.71	0.18
28.80	0.00	14,436	180.70	0.18
28.90	0.00	14,372	180.70	0.18
29.00	0.00	14,309	180.69	0.18
29.10	0.00	14,246	180.68	0.17
29.20	0.00	14,183	180.67	0.17
29.30	0.00	14,121	180.67	0.17
29.40	0.00	14,058	180.66	0.17
29.50	0.00	13,996	180.65	0.17
29.60	0.00	13,934	180.64	0.17
29.70	0.00	13,872	180.64	0.17
29.80	0.00	13,810	180.63	0.17
29.90	0.00	13,749	180.62	0.17
30.00	0.00	13,688	180.61	0.17
30.10	0.00	13,626	180.61	0.17
30.20	0.00	13,566	180.60	0.17
30.30	0.00	13,505	180.59	0.17
30.40	0.00	13,445	180.59	0.17
30.50	0.00	13,384	180.58	0.17
30.60	0.00	13,324	180.57	0.17
30.70	0.00	13,265	180.56	0.17
30.80	0.00	13,205	180.56	0.17
30.90	0.00	13,146	180.55	0.16
31.00	0.00	13,086	180.54	0.16
31.10	0.00	13,028	180.54	0.16

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	12,969	180.53	0.16
31.30	0.00	12,910	180.52	0.16
31.40	0.00	12,852	180.52	0.16
31.50	0.00	12,794	180.51	0.16
31.60	0.00	12,736	180.50	0.16
31.70	0.00	12,678	180.50	0.16
31.80	0.00	12,620	180.49	0.16
31.90	0.00	12,563	180.48	0.16
32.00	0.00	12,506	180.48	0.16
32.10	0.00	12,449	180.47	0.16
32.20	0.00	12,392	180.46	0.16
32.30	0.00	12,336	180.46	0.16
32.40	0.00	12,280	180.45	0.16
32.50	0.00	12,224	180.44	0.16
32.60	0.00	12,168	180.44	0.15
32.70	0.00	12,112	180.43	0.15
32.80	0.00	12,057	180.42	0.15
32.90	0.00	12,001	180.42	0.15
33.00	0.00	11,946	180.41	0.15
33.10	0.00	11,891	180.40	0.15
33.20	0.00	11,837	180.40	0.15
33.30	0.00	11,782	180.39	0.15
33.40	0.00	11,728	180.38	0.15
33.50	0.00	11,674	180.38	0.15
33.60	0.00	11,620	180.37	0.15
33.70	0.00	11,567	180.36	0.15
33.80	0.00	11,513	180.36	0.15
33.90	0.00	11,460	180.35	0.15
34.00	0.00	11,407	180.35	0.15
34.10	0.00	11,354	180.34	0.15
34.20	0.00	11,302	180.33	0.15
34.30	0.00	11,249	180.33	0.15
34.40	0.00	11,197	180.32	0.14
34.50	0.00	11,145	180.31	0.14
34.60	0.00	11,093	180.31	0.14
34.70	0.00	11,042	180.30	0.14
34.80	0.00	10,990	180.30	0.14
34.90	0.00	10,939	180.29	0.14
35.00	0.00	10,888	180.28	0.14
35.10	0.00	10,838	180.28	0.14
35.20	0.00	10,787	180.27	0.14
35.30	0.00	10,737	180.27	0.14
35.40	0.00	10,687	180.26	0.14
35.50	0.00	10,637	180.25	0.14
35.60	0.00	10,587	180.25	0.14
35.70	0.00	10,537	180.24	0.14
35.80	0.00	10,488	180.24	0.14
35.90	0.00	10,439	180.23	0.14
36.00	0.00	10,390	180.23	0.14
36.10	0.00	10,342	180.22	0.13
36.20	0.00	10,293	180.21	0.13
36.30	0.00	10,245	180.21	0.13

Hydrograph for Pond B-10: Basin #10 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,197	180.20	0.13
36.50	0.00	10,149	180.20	0.13
36.60	0.00	10,101	180.19	0.13
36.70	0.00	10,054	180.19	0.13
36.80	0.00	10,007	180.18	0.13
36.90	0.00	9,960	180.17	0.13
37.00	0.00	9,913	180.17	0.13
37.10	0.00	9,866	180.16	0.13
37.20	0.00	9,820	180.16	0.13
37.30	0.00	9,773	180.15	0.13
37.40	0.00	9,727	180.15	0.13
37.50	0.00	9,682	180.14	0.13
37.60	0.00	9,636	180.14	0.13
37.70	0.00	9,591	180.13	0.13
37.80	0.00	9,546	180.13	0.13
37.90	0.00	9,501	180.12	0.12
38.00	0.00	9,456	180.12	0.12
38.10	0.00	9,411	180.11	0.12
38.20	0.00	9,367	180.10	0.12
38.30	0.00	9,323	180.10	0.12
38.40	0.00	9,279	180.09	0.12
38.50	0.00	9,235	180.09	0.12
38.60	0.00	9,192	180.08	0.12
38.70	0.00	9,148	180.08	0.12
38.80	0.00	9,105	180.07	0.12
38.90	0.00	9,062	180.07	0.12
39.00	0.00	9,020	180.06	0.12
39.10	0.00	8,977	180.06	0.12
39.20	0.00	8,935	180.05	0.12
39.30	0.00	8,893	180.05	0.12
39.40	0.00	8,851	180.04	0.12
39.50	0.00	8,809	180.04	0.12
39.60	0.00	8,768	180.03	0.11
39.70	0.00	8,726	180.03	0.11
39.80	0.00	8,685	180.02	0.11
39.90	0.00	8,645	180.02	0.11
40.00	0.00	8,604	180.01	0.11

Stage-Discharge for Pond B-10: Basin #10

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.01	180.04	0.12	180.56	0.17
179.01	0.00	179.53	0.01	180.05	0.12	180.57	0.17
179.02	0.00	179.54	0.02	180.06	0.12	180.58	0.17
179.03	0.00	179.55	0.02	180.07	0.12	180.59	0.17
179.04	0.00	179.56	0.02	180.08	0.12	180.60	0.17
179.05	0.00	179.57	0.03	180.09	0.12	180.61	0.17
179.06	0.00	179.58	0.03	180.10	0.12	180.62	0.17
179.07	0.00	179.59	0.03	180.11	0.12	180.63	0.17
179.08	0.00	179.60	0.04	180.12	0.12	180.64	0.17
179.09	0.00	179.61	0.04	180.13	0.13	180.65	0.17
179.10	0.00	179.62	0.05	180.14	0.13	180.66	0.17
179.11	0.00	179.63	0.05	180.15	0.13	180.67	0.17
179.12	0.00	179.64	0.05	180.16	0.13	180.68	0.17
179.13	0.00	179.65	0.05	180.17	0.13	180.69	0.18
179.14	0.00	179.66	0.06	180.18	0.13	180.70	0.18
179.15	0.00	179.67	0.06	180.19	0.13	180.71	0.18
179.16	0.00	179.68	0.06	180.20	0.13	180.72	0.18
179.17	0.00	179.69	0.06	180.21	0.13	180.73	0.18
179.18	0.00	179.70	0.06	180.22	0.13	180.74	0.18
179.19	0.00	179.71	0.07	180.23	0.14	180.75	0.18
179.20	0.00	179.72	0.07	180.24	0.14	180.76	0.18
179.21	0.00	179.73	0.07	180.25	0.14	180.77	0.18
179.22	0.00	179.74	0.07	180.26	0.14	180.78	0.18
179.23	0.00	179.75	0.07	180.27	0.14	180.79	0.18
179.24	0.00	179.76	0.08	180.28	0.14	180.80	0.18
179.25	0.00	179.77	0.08	180.29	0.14	180.81	0.18
179.26	0.00	179.78	0.08	180.30	0.14	180.82	0.19
179.27	0.00	179.79	0.08	180.31	0.14	180.83	0.19
179.28	0.00	179.80	0.08	180.32	0.14	180.84	0.19
179.29	0.00	179.81	0.08	180.33	0.15	180.85	0.19
179.30	0.00	179.82	0.09	180.34	0.15	180.86	0.19
179.31	0.00	179.83	0.09	180.35	0.15	180.87	0.19
179.32	0.00	179.84	0.09	180.36	0.15	180.88	0.19
179.33	0.00	179.85	0.09	180.37	0.15	180.89	0.19
179.34	0.00	179.86	0.09	180.38	0.15	180.90	0.19
179.35	0.00	179.87	0.09	180.39	0.15	180.91	0.19
179.36	0.00	179.88	0.10	180.40	0.15	180.92	0.19
179.37	0.00	179.89	0.10	180.41	0.15	180.93	0.19
179.38	0.00	179.90	0.10	180.42	0.15	180.94	0.19
179.39	0.00	179.91	0.10	180.43	0.15	180.95	0.19
179.40	0.00	179.92	0.10	180.44	0.16	180.96	0.20
179.41	0.00	179.93	0.10	180.45	0.16	180.97	0.20
179.42	0.00	179.94	0.10	180.46	0.16	180.98	0.20
179.43	0.00	179.95	0.10	180.47	0.16	180.99	0.20
179.44	0.00	179.96	0.11	180.48	0.16	181.00	0.20
179.45	0.00	179.97	0.11	180.49	0.16	181.01	0.20
179.46	0.00	179.98	0.11	180.50	0.16	181.02	0.20
179.47	0.00	179.99	0.11	180.51	0.16	181.03	0.20
179.48	0.00	180.00	0.11	180.52	0.16	181.04	0.20
179.49	0.00	180.01	0.11	180.53	0.16	181.05	0.20
179.50	0.01	180.02	0.11	180.54	0.16	181.06	0.20
179.51	0.01	180.03	0.11	180.55	0.16	181.07	0.20

Stage-Discharge for Pond B-10: Basin #10 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.20	181.60	0.24	182.12	0.80	182.64	9.94
181.09	0.20	181.61	0.24	182.13	0.87	182.65	10.64
181.10	0.20	181.62	0.24	182.14	0.94	182.66	11.36
181.11	0.21	181.63	0.24	182.15	1.02	182.67	12.11
181.12	0.21	181.64	0.24	182.16	1.10	182.68	12.89
181.13	0.21	181.65	0.24	182.17	1.17	182.69	13.70
181.14	0.21	181.66	0.24	182.18	1.26	182.70	14.53
181.15	0.21	181.67	0.24	182.19	1.34	182.71	15.38
181.16	0.21	181.68	0.24	182.20	1.43	182.72	16.26
181.17	0.21	181.69	0.24	182.21	1.51	182.73	17.17
181.18	0.21	181.70	0.24	182.22	1.60	182.74	18.09
181.19	0.21	181.71	0.24	182.23	1.70	182.75	19.04
181.20	0.21	181.72	0.24	182.24	1.79	182.76	20.04
181.21	0.21	181.73	0.24	182.25	1.88	182.77	21.08
181.22	0.21	181.74	0.24	182.26	1.98	182.78	22.14
181.23	0.21	181.75	0.24	182.27	2.08	182.79	23.22
181.24	0.21	181.76	0.24	182.28	2.18	182.80	24.33
181.25	0.21	181.77	0.24	182.29	2.29	182.81	25.47
181.26	0.22	181.78	0.25	182.30	2.39	182.82	26.64
181.27	0.22	181.79	0.25	182.31	2.50	182.83	27.83
181.28	0.22	181.80	0.25	182.32	2.60	182.84	29.04
181.29	0.22	181.81	0.25	182.33	2.71	182.85	30.28
181.30	0.22	181.82	0.25	182.34	2.82	182.86	31.55
181.31	0.22	181.83	0.25	182.35	2.94	182.87	32.84
181.32	0.22	181.84	0.25	182.36	3.05	182.88	34.15
181.33	0.22	181.85	0.25	182.37	3.17	182.89	35.50
181.34	0.22	181.86	0.25	182.38	3.28	182.90	36.86
181.35	0.22	181.87	0.25	182.39	3.40	182.91	38.25
181.36	0.22	181.88	0.25	182.40	3.52	182.92	39.67
181.37	0.22	181.89	0.25	182.41	3.64	182.93	41.11
181.38	0.22	181.90	0.25	182.42	3.76	182.94	42.58
181.39	0.22	181.91	0.25	182.43	3.89	182.95	44.07
181.40	0.22	181.92	0.25	182.44	4.01	182.96	45.61
181.41	0.22	181.93	0.25	182.45	4.14	182.97	47.18
181.42	0.22	181.94	0.25	182.46	4.27	182.98	48.78
181.43	0.23	181.95	0.25	182.47	4.40	182.99	50.40
181.44	0.23	181.96	0.26	182.48	4.53	183.00	**52.05**
181.45	0.23	181.97	0.26	182.49	4.66		
181.46	0.23	181.98	0.26	182.50	4.79		
181.47	0.23	181.99	0.26	182.51	4.93		
181.48	0.23	182.00	0.26	182.52	5.06		
181.49	0.23	182.01	0.27	182.53	5.20		
181.50	0.23	182.02	0.30	182.54	5.33		
181.51	0.23	182.03	0.33	182.55	5.47		
181.52	0.23	182.04	0.36	182.56	5.73		
181.53	0.23	182.05	0.41	182.57	6.09		
181.54	0.23	182.06	0.45	182.58	6.50		
181.55	0.23	182.07	0.50	182.59	6.98		
181.56	0.23	182.08	0.56	182.60	7.49		
181.57	0.23	182.09	0.61	182.61	8.05		
181.58	0.23	182.10	0.67	182.62	8.65		
181.59	0.23	182.11	0.74	182.63	9.28		

Stage-Area-Storage for Pond B-10: Basin #10

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	**8,477**	0	179.52	8,477	4,408
179.01	8,477	85	179.53	8,477	4,493
179.02	8,477	170	179.54	8,477	4,578
179.03	8,477	254	179.55	8,477	4,662
179.04	8,477	339	179.56	8,477	4,747
179.05	8,477	424	179.57	8,477	4,832
179.06	8,477	509	179.58	8,477	4,917
179.07	8,477	593	179.59	8,477	5,001
179.08	8,477	678	179.60	8,477	5,086
179.09	8,477	763	179.61	8,477	5,171
179.10	8,477	848	179.62	8,477	5,256
179.11	8,477	932	179.63	8,477	5,341
179.12	8,477	1,017	179.64	8,477	5,425
179.13	8,477	1,102	179.65	8,477	5,510
179.14	8,477	1,187	179.66	8,477	5,595
179.15	8,477	1,272	179.67	8,477	5,680
179.16	8,477	1,356	179.68	8,477	5,764
179.17	8,477	1,441	179.69	8,477	5,849
179.18	8,477	1,526	179.70	8,477	5,934
179.19	8,477	1,611	179.71	8,477	6,019
179.20	8,477	1,695	179.72	8,477	6,103
179.21	8,477	1,780	179.73	8,477	6,188
179.22	8,477	1,865	179.74	8,477	6,273
179.23	8,477	1,950	179.75	8,477	6,358
179.24	8,477	2,034	179.76	8,477	6,443
179.25	8,477	2,119	179.77	8,477	6,527
179.26	8,477	2,204	179.78	8,477	6,612
179.27	8,477	2,289	179.79	8,477	6,697
179.28	8,477	2,374	179.80	8,477	6,782
179.29	8,477	2,458	179.81	8,477	6,866
179.30	8,477	2,543	179.82	8,477	6,951
179.31	8,477	2,628	179.83	8,477	7,036
179.32	8,477	2,713	179.84	8,477	7,121
179.33	8,477	2,797	179.85	8,477	7,205
179.34	8,477	2,882	179.86	8,477	7,290
179.35	8,477	2,967	179.87	8,477	7,375
179.36	8,477	3,052	179.88	8,477	7,460
179.37	8,477	3,136	179.89	8,477	7,545
179.38	8,477	3,221	179.90	8,477	7,629
179.39	8,477	3,306	179.91	8,477	7,714
179.40	8,477	3,391	179.92	8,477	7,799
179.41	8,477	3,476	179.93	8,477	7,884
179.42	8,477	3,560	179.94	8,477	7,968
179.43	8,477	3,645	179.95	8,477	8,053
179.44	8,477	3,730	179.96	8,477	8,138
179.45	8,477	3,815	179.97	8,477	8,223
179.46	8,477	3,899	179.98	8,477	8,307
179.47	8,477	3,984	179.99	8,477	8,392
179.48	8,477	4,069	180.00	8,477	8,477
179.49	8,477	4,154	180.01	8,477	8,562
179.50	8,477	4,239	180.02	8,477	8,647
179.51	8,477	4,323	180.03	8,477	8,731

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,477	8,816	180.56	8,477	13,224
180.05	8,477	8,901	180.57	8,477	13,309
180.06	8,477	8,986	180.58	8,477	13,394
180.07	8,477	9,070	180.59	8,477	13,478
180.08	8,477	9,155	180.60	8,477	13,563
180.09	8,477	9,240	180.61	8,477	13,648
180.10	8,477	9,325	180.62	8,477	13,733
180.11	8,477	9,409	180.63	8,477	13,818
180.12	8,477	9,494	180.64	8,477	13,902
180.13	8,477	9,579	180.65	8,477	13,987
180.14	8,477	9,664	180.66	8,477	14,072
180.15	8,477	9,749	180.67	8,477	14,157
180.16	8,477	9,833	180.68	8,477	14,241
180.17	8,477	9,918	180.69	8,477	14,326
180.18	8,477	10,003	180.70	8,477	14,411
180.19	8,477	10,088	180.71	8,477	14,496
180.20	8,477	10,172	180.72	8,477	14,580
180.21	8,477	10,257	180.73	8,477	14,665
180.22	8,477	10,342	180.74	8,477	14,750
180.23	8,477	10,427	180.75	8,477	14,835
180.24	8,477	10,511	180.76	8,477	14,920
180.25	8,477	10,596	180.77	8,477	15,004
180.26	8,477	10,681	180.78	8,477	15,089
180.27	8,477	10,766	180.79	8,477	15,174
180.28	8,477	10,851	180.80	8,477	15,259
180.29	8,477	10,935	180.81	8,477	15,343
180.30	8,477	11,020	180.82	8,477	15,428
180.31	8,477	11,105	180.83	8,477	15,513
180.32	8,477	11,190	180.84	8,477	15,598
180.33	8,477	11,274	180.85	8,477	15,682
180.34	8,477	11,359	180.86	8,477	15,767
180.35	8,477	11,444	180.87	8,477	15,852
180.36	8,477	11,529	180.88	8,477	15,937
180.37	8,477	11,613	180.89	8,477	16,022
180.38	8,477	11,698	180.90	8,477	16,106
180.39	8,477	11,783	180.91	8,477	16,191
180.40	8,477	11,868	180.92	8,477	16,276
180.41	8,477	11,953	180.93	8,477	16,361
180.42	8,477	12,037	180.94	8,477	16,445
180.43	8,477	12,122	180.95	8,477	16,530
180.44	8,477	12,207	180.96	8,477	16,615
180.45	8,477	12,292	180.97	8,477	16,700
180.46	8,477	12,376	180.98	8,477	16,784
180.47	8,477	12,461	180.99	8,477	16,869
180.48	8,477	12,546	181.00	8,477	16,954
180.49	8,477	12,631	181.01	8,477	17,039
180.50	8,477	12,716	181.02	8,477	17,124
180.51	8,477	12,800	181.03	8,477	17,208
180.52	8,477	12,885	181.04	8,477	17,293
180.53	8,477	12,970	181.05	8,477	17,378
180.54	8,477	13,055	181.06	8,477	17,463
180.55	8,477	13,139	181.07	8,477	17,547

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	8,477	17,632	181.60	8,477	22,040
181.09	8,477	17,717	181.61	8,477	22,125
181.10	8,477	17,802	181.62	8,477	22,210
181.11	8,477	17,886	181.63	8,477	22,295
181.12	8,477	17,971	181.64	8,477	22,379
181.13	8,477	18,056	181.65	8,477	22,464
181.14	8,477	18,141	181.66	8,477	22,549
181.15	8,477	18,226	181.67	8,477	22,634
181.16	8,477	18,310	181.68	8,477	22,718
181.17	8,477	18,395	181.69	8,477	22,803
181.18	8,477	18,480	181.70	8,477	22,888
181.19	8,477	18,565	181.71	8,477	22,973
181.20	8,477	18,649	181.72	8,477	23,057
181.21	8,477	18,734	181.73	8,477	23,142
181.22	8,477	18,819	181.74	8,477	23,227
181.23	8,477	18,904	181.75	8,477	23,312
181.24	8,477	18,988	181.76	8,477	23,397
181.25	8,477	19,073	181.77	8,477	23,481
181.26	8,477	19,158	181.78	8,477	23,566
181.27	8,477	19,243	181.79	8,477	23,651
181.28	8,477	19,328	181.80	8,477	23,736
181.29	8,477	19,412	181.81	8,477	23,820
181.30	8,477	19,497	181.82	8,477	23,905
181.31	8,477	19,582	181.83	8,477	23,990
181.32	8,477	19,667	181.84	8,477	24,075
181.33	8,477	19,751	181.85	8,477	24,159
181.34	8,477	19,836	181.86	8,477	24,244
181.35	8,477	19,921	181.87	8,477	24,329
181.36	8,477	20,006	181.88	8,477	24,414
181.37	8,477	20,090	181.89	8,477	24,499
181.38	8,477	20,175	181.90	8,477	24,583
181.39	8,477	20,260	181.91	8,477	24,668
181.40	8,477	20,345	181.92	8,477	24,753
181.41	8,477	20,430	181.93	8,477	24,838
181.42	8,477	20,514	181.94	8,477	24,922
181.43	8,477	20,599	181.95	8,477	25,007
181.44	8,477	20,684	181.96	8,477	25,092
181.45	8,477	20,769	181.97	8,477	25,177
181.46	8,477	20,853	181.98	8,477	25,261
181.47	8,477	20,938	181.99	8,477	25,346
181.48	8,477	21,023	182.00	8,477	25,431
181.49	8,477	21,108	182.01	8,477	25,516
181.50	8,477	21,193	182.02	8,477	25,601
181.51	8,477	21,277	182.03	8,477	25,685
181.52	8,477	21,362	182.04	8,477	25,770
181.53	8,477	21,447	182.05	8,477	25,855
181.54	8,477	21,532	182.06	8,477	25,940
181.55	8,477	21,616	182.07	8,477	26,024
181.56	8,477	21,701	182.08	8,477	26,109
181.57	8,477	21,786	182.09	8,477	26,194
181.58	8,477	21,871	182.10	8,477	26,279
181.59	8,477	21,955	182.11	8,477	26,363

Stage-Area-Storage for Pond B-10: Basin #10 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,477	26,448
182.13	8,477	26,533
182.14	8,477	26,618
182.15	8,477	26,703
182.16	8,477	26,787
182.17	8,477	26,872
182.18	8,477	26,957
182.19	8,477	27,042
182.20	8,477	27,126
182.21	8,477	27,211
182.22	8,477	27,296
182.23	8,477	27,381
182.24	8,477	27,465
182.25	8,477	27,550
182.26	8,477	27,635
182.27	8,477	27,720
182.28	8,477	27,805
182.29	8,477	27,889
182.30	8,477	27,974
182.31	8,477	28,059
182.32	8,477	28,144
182.33	8,477	28,228
182.34	8,477	28,313
182.35	8,477	28,398
182.36	8,477	28,483
182.37	8,477	28,567
182.38	8,477	28,652
182.39	8,477	28,737
182.40	8,477	28,822
182.41	8,477	28,907
182.42	8,477	28,991
182.43	8,477	29,076
182.44	8,477	29,161
182.45	8,477	29,246
182.46	8,477	29,330
182.47	8,477	29,415
182.48	8,477	29,500
182.49	8,477	29,585
182.50	8,477	29,670
182.51	8,477	29,754
182.52	8,477	29,839
182.53	8,477	29,924
182.54	8,477	30,009
182.55	8,477	30,093
182.56	8,477	30,178
182.57	8,477	30,263
182.58	8,477	30,348
182.59	8,477	30,432
182.60	8,477	30,517
182.61	8,477	30,602
182.62	8,477	30,687
182.63	8,477	30,772
182.64	8,477	30,856
182.65	8,477	30,941
182.66	8,477	31,026
182.67	8,477	31,111
182.68	8,477	31,195
182.69	8,477	31,280
182.70	8,477	31,365
182.71	8,477	31,450
182.72	8,477	31,534
182.73	8,477	31,619
182.74	8,477	31,704
182.75	8,477	31,789
182.76	8,477	31,874
182.77	8,477	31,958
182.78	8,477	32,043
182.79	8,477	32,128
182.80	8,477	32,213
182.81	8,477	32,297
182.82	8,477	32,382
182.83	8,477	32,467
182.84	8,477	32,552
182.85	8,477	32,636
182.86	8,477	32,721
182.87	8,477	32,806
182.88	8,477	32,891
182.89	8,477	32,976
182.90	8,477	33,060
182.91	8,477	33,145
182.92	8,477	33,230
182.93	8,477	33,315
182.94	8,477	33,399
182.95	8,477	33,484
182.96	8,477	33,569
182.97	8,477	33,654
182.98	8,477	33,738
182.99	8,477	33,823
183.00	8,477	**33,908**

Summary for Pond B-11: Basin #11

Inflow Area = 2.228 ac, 58.53% Impervious, Inflow Depth = 4.52" for Future 10 yr event
Inflow = 13.21 cfs @ 12.08 hrs, Volume= 0.838 af
Outflow = 0.22 cfs @ 17.54 hrs, Volume= 0.457 af, Atten= 98%, Lag= 327.8 min
Primary = 0.22 cfs @ 17.54 hrs, Volume= 0.457 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 182.31' @ 17.54 hrs Surf.Area= 12,248 sf Storage= 28,316 cf

Plug-Flow detention time= 861.2 min calculated for 0.457 af (55% of inflow)
Center-of-Mass det. time= 739.0 min (1,505.6 - 766.6)

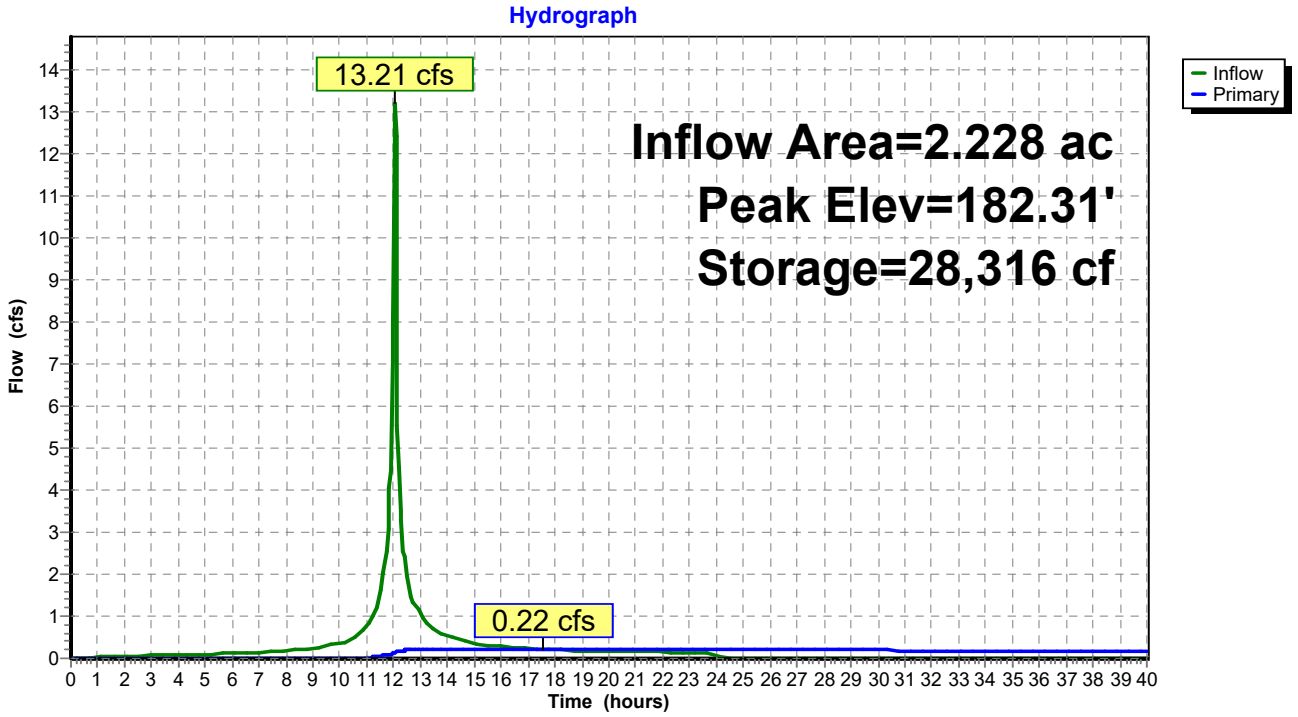
Volume	Invert	Avail.Storage	Storage Description
#1	180.00'	73,488 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
180.00	12,248	0	0
181.00	12,248	12,248	12,248
182.00	12,248	12,248	24,496
183.00	12,248	12,248	36,744
184.00	12,248	12,248	48,992
185.00	12,248	12,248	61,240
186.00	12,248	12,248	73,488

Device	Routing	Invert	Outlet Devices
#1	Primary	178.65'	**18.0" Round Culvert** L= 131.0' Ke= 0.500 Inlet / Outlet Invert= 178.65' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	180.42'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	185.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.22 cfs @ 17.54 hrs HW=182.31' (Free Discharge)
- **1=Culvert** (Passes 0.22 cfs of 12.05 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-11: Basin #11



Hydrograph for Pond B-11: Basin #11

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	180.00	0.00
0.10	0.00	0	180.00	0.00
0.20	0.00	0	180.00	0.00
0.30	0.00	0	180.00	0.00
0.40	0.00	0	180.00	0.00
0.50	0.00	0	180.00	0.00
0.60	0.00	0	180.00	0.00
0.70	0.00	0	180.00	0.00
0.80	0.01	2	180.00	0.00
0.90	0.01	5	180.00	0.00
1.00	0.02	9	180.00	0.00
1.10	0.02	16	180.00	0.00
1.20	0.02	23	180.00	0.00
1.30	0.03	32	180.00	0.00
1.40	0.03	42	180.00	0.00
1.50	0.03	54	180.00	0.00
1.60	0.04	66	180.01	0.00
1.70	0.04	80	180.01	0.00
1.80	0.04	95	180.01	0.00
1.90	0.05	111	180.01	0.00
2.00	0.05	127	180.01	0.00
2.10	0.05	145	180.01	0.00
2.20	0.05	163	180.01	0.00
2.30	0.06	183	180.01	0.00
2.40	0.06	203	180.02	0.00
2.50	0.06	224	180.02	0.00
2.60	0.06	246	180.02	0.00
2.70	0.06	268	180.02	0.00
2.80	0.07	291	180.02	0.00
2.90	0.07	315	180.03	0.00
3.00	0.07	340	180.03	0.00
3.10	0.07	365	180.03	0.00
3.20	0.07	391	180.03	0.00
3.30	0.07	417	180.03	0.00
3.40	0.08	444	180.04	0.00
3.50	0.08	472	180.04	0.00
3.60	0.08	501	180.04	0.00
3.70	0.08	529	180.04	0.00
3.80	0.08	559	180.05	0.00
3.90	0.08	589	180.05	0.00
4.00	0.09	619	180.05	0.00
4.10	0.09	650	180.05	0.00
4.20	0.09	682	180.06	0.00
4.30	0.09	714	180.06	0.00
4.40	0.09	746	180.06	0.00
4.50	0.09	779	180.06	0.00
4.60	0.09	812	180.07	0.00
4.70	0.09	846	180.07	0.00
4.80	0.10	881	180.07	0.00
4.90	0.10	915	180.07	0.00
5.00	0.10	951	180.08	0.00
5.10	0.10	986	180.08	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	1,022	180.08	0.00
5.30	0.10	1,059	180.09	0.00
5.40	0.10	1,096	180.09	0.00
5.50	0.10	1,133	180.09	0.00
5.60	0.11	1,171	180.10	0.00
5.70	0.11	1,209	180.10	0.00
5.80	0.11	1,248	180.10	0.00
5.90	0.11	1,287	180.11	0.00
6.00	0.11	1,326	180.11	0.00
6.10	0.11	1,366	180.11	0.00
6.20	0.12	1,408	180.11	0.00
6.30	0.12	1,450	180.12	0.00
6.40	0.12	1,494	180.12	0.00
6.50	0.13	1,539	180.13	0.00
6.60	0.13	1,585	180.13	0.00
6.70	0.13	1,632	180.13	0.00
6.80	0.13	1,680	180.14	0.00
6.90	0.14	1,729	180.14	0.00
7.00	0.14	1,780	180.15	0.00
7.10	0.14	1,832	180.15	0.00
7.20	0.15	1,885	180.15	0.00
7.30	0.15	1,939	180.16	0.00
7.40	0.15	1,994	180.16	0.00
7.50	0.16	2,050	180.17	0.00
7.60	0.16	2,107	180.17	0.00
7.70	0.16	2,166	180.18	0.00
7.80	0.17	2,226	180.18	0.00
7.90	0.17	2,287	180.19	0.00
8.00	0.17	2,349	180.19	0.00
8.10	0.18	2,412	180.20	0.00
8.20	0.18	2,477	180.20	0.00
8.30	0.19	2,543	180.21	0.00
8.40	0.19	2,611	180.21	0.00
8.50	0.19	2,680	180.22	0.00
8.60	0.20	2,751	180.22	0.00
8.70	0.20	2,824	180.23	0.00
8.80	0.21	2,898	180.24	0.00
8.90	0.21	2,974	180.24	0.00
9.00	0.22	3,051	180.25	0.00
9.10	0.23	3,133	180.26	0.00
9.20	0.24	3,219	180.26	0.00
9.30	0.26	3,310	180.27	0.00
9.40	0.27	3,406	180.28	0.00
9.50	0.29	3,507	180.29	0.00
9.60	0.30	3,614	180.30	0.00
9.70	0.32	3,725	180.30	0.00
9.80	0.33	3,842	180.31	0.00
9.90	0.35	3,965	180.32	0.00
10.00	0.36	4,093	180.33	0.00
10.10	0.38	4,226	180.35	0.00
10.20	0.39	4,365	180.36	0.00
10.30	0.41	4,510	180.37	0.00

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.42	4,660	180.38	0.00
10.50	0.44	4,817	180.39	0.00
10.60	0.50	4,989	180.41	0.00
10.70	0.55	5,181	180.42	0.00
10.80	0.61	5,393	180.44	0.00
10.90	0.67	5,625	180.46	0.00
11.00	0.73	5,877	180.48	0.01
11.10	0.84	6,161	180.50	0.01
11.20	0.95	6,482	180.53	0.02
11.30	1.06	6,839	180.56	0.03
11.40	1.17	7,234	180.59	0.04
11.50	1.32	7,666	180.63	0.05
11.60	2.00	8,284	180.68	0.06
11.70	2.19	9,013	180.74	0.08
11.80	3.07	9,971	180.81	0.09
11.90	4.47	11,343	180.93	0.10
12.00	7.93	13,689	181.12	0.13
12.10	**12.41**	17,675	181.44	0.16
12.20	4.53	20,140	181.64	0.17
12.30	3.29	21,408	181.75	0.18
12.40	2.45	22,318	181.82	0.19
12.50	2.29	23,101	181.89	0.19
12.60	1.51	23,664	181.93	0.19
12.70	1.42	24,116	181.97	0.20
12.80	1.30	24,526	182.00	0.20
12.90	1.17	24,891	182.03	0.20
13.00	1.05	25,211	182.06	0.20
13.10	0.93	25,486	182.08	0.20
13.20	0.86	25,730	182.10	0.21
13.30	0.79	25,950	182.12	0.21
13.40	0.73	26,146	182.13	0.21
13.50	0.66	26,316	182.15	0.21
13.60	0.60	26,463	182.16	0.21
13.70	0.58	26,598	182.17	0.21
13.80	0.56	26,727	182.18	0.21
13.90	0.55	26,849	182.19	0.21
14.00	0.53	26,964	182.20	0.21
14.10	0.51	27,073	182.21	0.21
14.20	0.49	27,176	182.22	0.21
14.30	0.47	27,272	182.23	0.21
14.40	0.46	27,361	182.23	0.21
14.50	0.44	27,444	182.24	0.22
14.60	0.42	27,521	182.25	0.22
14.70	0.40	27,591	182.25	0.22
14.80	0.39	27,655	182.26	0.22
14.90	0.37	27,712	182.26	0.22
15.00	0.35	27,762	182.27	0.22
15.10	0.34	27,807	182.27	0.22
15.20	0.33	27,848	182.27	0.22
15.30	0.32	27,887	182.28	0.22
15.40	0.32	27,925	182.28	0.22
15.50	0.32	27,961	182.28	0.22

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	27,995	182.29	0.22
15.70	0.31	28,027	182.29	0.22
15.80	0.30	28,058	182.29	0.22
15.90	0.30	28,087	182.29	0.22
16.00	0.29	28,114	182.30	0.22
16.10	0.29	28,140	182.30	0.22
16.20	0.28	28,164	182.30	0.22
16.30	0.28	28,186	182.30	0.22
16.40	0.27	28,206	182.30	0.22
16.50	0.27	28,224	182.30	0.22
16.60	0.26	28,241	182.31	0.22
16.70	0.26	28,257	182.31	0.22
16.80	0.25	28,270	182.31	0.22
16.90	0.25	28,282	182.31	0.22
17.00	0.25	28,292	182.31	0.22
17.10	0.24	28,300	182.31	0.22
17.20	0.24	28,307	182.31	0.22
17.30	0.23	28,312	182.31	0.22
17.40	0.23	28,315	182.31	0.22
17.50	0.22	**28,316**	**182.31**	**0.22**
17.60	0.22	**28,316**	**182.31**	**0.22**
17.70	0.21	28,314	182.31	0.22
17.80	0.21	28,311	182.31	0.22
17.90	0.20	28,305	182.31	0.22
18.00	0.20	28,298	182.31	0.22
18.10	0.19	28,290	182.31	0.22
18.20	0.19	28,280	182.31	0.22
18.30	0.19	28,270	182.31	0.22
18.40	0.19	28,260	182.31	0.22
18.50	0.19	28,249	182.31	0.22
18.60	0.19	28,238	182.31	0.22
18.70	0.19	28,227	182.30	0.22
18.80	0.19	28,215	182.30	0.22
18.90	0.18	28,203	182.30	0.22
19.00	0.18	28,190	182.30	0.22
19.10	0.18	28,177	182.30	0.22
19.20	0.18	28,163	182.30	0.22
19.30	0.18	28,149	182.30	0.22
19.40	0.18	28,135	182.30	0.22
19.50	0.18	28,121	182.30	0.22
19.60	0.18	28,105	182.29	0.22
19.70	0.18	28,090	182.29	0.22
19.80	0.17	28,074	182.29	0.22
19.90	0.17	28,058	182.29	0.22
20.00	0.17	28,042	182.29	0.22
20.10	0.17	28,025	182.29	0.22
20.20	0.17	28,007	182.29	0.22
20.30	0.17	27,989	182.29	0.22
20.40	0.17	27,971	182.28	0.22
20.50	0.17	27,952	182.28	0.22
20.60	0.17	27,934	182.28	0.22
20.70	0.16	27,914	182.28	0.22

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	27,895	182.28	0.22
20.90	0.16	27,874	182.28	0.22
21.00	0.16	27,854	182.27	0.22
21.10	0.16	27,833	182.27	0.22
21.20	0.16	27,812	182.27	0.22
21.30	0.16	27,790	182.27	0.22
21.40	0.15	27,768	182.27	0.22
21.50	0.15	27,746	182.27	0.22
21.60	0.15	27,723	182.26	0.22
21.70	0.15	27,699	182.26	0.22
21.80	0.15	27,676	182.26	0.22
21.90	0.15	27,652	182.26	0.22
22.00	0.15	27,628	182.26	0.22
22.10	0.15	27,603	182.25	0.22
22.20	0.15	27,578	182.25	0.22
22.30	0.14	27,552	182.25	0.22
22.40	0.14	27,526	182.25	0.22
22.50	0.14	27,500	182.25	0.22
22.60	0.14	27,474	182.24	0.22
22.70	0.14	27,447	182.24	0.22
22.80	0.14	27,419	182.24	0.21
22.90	0.14	27,391	182.24	0.21
23.00	0.14	27,363	182.23	0.21
23.10	0.13	27,335	182.23	0.21
23.20	0.13	27,306	182.23	0.21
23.30	0.13	27,276	182.23	0.21
23.40	0.13	27,247	182.22	0.21
23.50	0.13	27,217	182.22	0.21
23.60	0.13	27,186	182.22	0.21
23.70	0.13	27,156	182.22	0.21
23.80	0.13	27,125	182.21	0.21
23.90	0.13	27,093	182.21	0.21
24.00	0.14	27,068	182.21	0.21
24.10	0.00	27,008	182.21	0.21
24.20	0.00	26,931	182.20	0.21
24.30	0.00	26,855	182.19	0.21
24.40	0.00	26,778	182.19	0.21
24.50	0.00	26,702	182.18	0.21
24.60	0.00	26,626	182.17	0.21
24.70	0.00	26,551	182.17	0.21
24.80	0.00	26,475	182.16	0.21
24.90	0.00	26,399	182.16	0.21
25.00	0.00	26,324	182.15	0.21
25.10	0.00	26,249	182.14	0.21
25.20	0.00	26,174	182.14	0.21
25.30	0.00	26,099	182.13	0.21
25.40	0.00	26,024	182.12	0.21
25.50	0.00	25,949	182.12	0.21
25.60	0.00	25,875	182.11	0.21
25.70	0.00	25,800	182.11	0.21
25.80	0.00	25,726	182.10	0.21
25.90	0.00	25,652	182.09	0.21

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	25,578	182.09	0.21
26.10	0.00	25,504	182.08	0.20
26.20	0.00	25,430	182.08	0.20
26.30	0.00	25,357	182.07	0.20
26.40	0.00	25,283	182.06	0.20
26.50	0.00	25,210	182.06	0.20
26.60	0.00	25,137	182.05	0.20
26.70	0.00	25,064	182.05	0.20
26.80	0.00	24,991	182.04	0.20
26.90	0.00	24,919	182.03	0.20
27.00	0.00	24,846	182.03	0.20
27.10	0.00	24,774	182.02	0.20
27.20	0.00	24,701	182.02	0.20
27.30	0.00	24,629	182.01	0.20
27.40	0.00	24,557	182.00	0.20
27.50	0.00	24,485	182.00	0.20
27.60	0.00	24,414	181.99	0.20
27.70	0.00	24,342	181.99	0.20
27.80	0.00	24,271	181.98	0.20
27.90	0.00	24,199	181.98	0.20
28.00	0.00	24,128	181.97	0.20
28.10	0.00	24,057	181.96	0.20
28.20	0.00	23,987	181.96	0.20
28.30	0.00	23,916	181.95	0.20
28.40	0.00	23,845	181.95	0.20
28.50	0.00	23,775	181.94	0.20
28.60	0.00	23,705	181.94	0.19
28.70	0.00	23,635	181.93	0.19
28.80	0.00	23,565	181.92	0.19
28.90	0.00	23,495	181.92	0.19
29.00	0.00	23,425	181.91	0.19
29.10	0.00	23,355	181.91	0.19
29.20	0.00	23,286	181.90	0.19
29.30	0.00	23,217	181.90	0.19
29.40	0.00	23,148	181.89	0.19
29.50	0.00	23,079	181.88	0.19
29.60	0.00	23,010	181.88	0.19
29.70	0.00	22,941	181.87	0.19
29.80	0.00	22,873	181.87	0.19
29.90	0.00	22,804	181.86	0.19
30.00	0.00	22,736	181.86	0.19
30.10	0.00	22,668	181.85	0.19
30.20	0.00	22,600	181.85	0.19
30.30	0.00	22,532	181.84	0.19
30.40	0.00	22,464	181.83	0.19
30.50	0.00	22,397	181.83	0.19
30.60	0.00	22,329	181.82	0.19
30.70	0.00	22,262	181.82	0.19
30.80	0.00	22,195	181.81	0.19
30.90	0.00	22,128	181.81	0.19
31.00	0.00	22,061	181.80	0.19
31.10	0.00	21,994	181.80	0.19

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	21,928	181.79	0.18
31.30	0.00	21,861	181.78	0.18
31.40	0.00	21,795	181.78	0.18
31.50	0.00	21,729	181.77	0.18
31.60	0.00	21,663	181.77	0.18
31.70	0.00	21,597	181.76	0.18
31.80	0.00	21,531	181.76	0.18
31.90	0.00	21,466	181.75	0.18
32.00	0.00	21,401	181.75	0.18
32.10	0.00	21,335	181.74	0.18
32.20	0.00	21,270	181.74	0.18
32.30	0.00	21,205	181.73	0.18
32.40	0.00	21,140	181.73	0.18
32.50	0.00	21,076	181.72	0.18
32.60	0.00	21,011	181.72	0.18
32.70	0.00	20,947	181.71	0.18
32.80	0.00	20,882	181.70	0.18
32.90	0.00	20,818	181.70	0.18
33.00	0.00	20,754	181.69	0.18
33.10	0.00	20,690	181.69	0.18
33.20	0.00	20,627	181.68	0.18
33.30	0.00	20,563	181.68	0.18
33.40	0.00	20,500	181.67	0.18
33.50	0.00	20,436	181.67	0.18
33.60	0.00	20,373	181.66	0.18
33.70	0.00	20,310	181.66	0.17
33.80	0.00	20,247	181.65	0.17
33.90	0.00	20,185	181.65	0.17
34.00	0.00	20,122	181.64	0.17
34.10	0.00	20,060	181.64	0.17
34.20	0.00	19,997	181.63	0.17
34.30	0.00	19,935	181.63	0.17
34.40	0.00	19,873	181.62	0.17
34.50	0.00	19,811	181.62	0.17
34.60	0.00	19,750	181.61	0.17
34.70	0.00	19,688	181.61	0.17
34.80	0.00	19,627	181.60	0.17
34.90	0.00	19,565	181.60	0.17
35.00	0.00	19,504	181.59	0.17
35.10	0.00	19,443	181.59	0.17
35.20	0.00	19,382	181.58	0.17
35.30	0.00	19,322	181.58	0.17
35.40	0.00	19,261	181.57	0.17
35.50	0.00	19,201	181.57	0.17
35.60	0.00	19,140	181.56	0.17
35.70	0.00	19,080	181.56	0.17
35.80	0.00	19,020	181.55	0.17
35.90	0.00	18,960	181.55	0.17
36.00	0.00	18,901	181.54	0.17
36.10	0.00	18,841	181.54	0.17
36.20	0.00	18,782	181.53	0.16
36.30	0.00	18,722	181.53	0.16

Hydrograph for Pond B-11: Basin #11 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	18,663	181.52	0.16
36.50	0.00	18,604	181.52	0.16
36.60	0.00	18,545	181.51	0.16
36.70	0.00	18,487	181.51	0.16
36.80	0.00	18,428	181.50	0.16
36.90	0.00	18,370	181.50	0.16
37.00	0.00	18,311	181.50	0.16
37.10	0.00	18,253	181.49	0.16
37.20	0.00	18,195	181.49	0.16
37.30	0.00	18,137	181.48	0.16
37.40	0.00	18,080	181.48	0.16
37.50	0.00	18,022	181.47	0.16
37.60	0.00	17,965	181.47	0.16
37.70	0.00	17,907	181.46	0.16
37.80	0.00	17,850	181.46	0.16
37.90	0.00	17,793	181.45	0.16
38.00	0.00	17,736	181.45	0.16
38.10	0.00	17,680	181.44	0.16
38.20	0.00	17,623	181.44	0.16
38.30	0.00	17,567	181.43	0.16
38.40	0.00	17,510	181.43	0.16
38.50	0.00	17,454	181.43	0.16
38.60	0.00	17,398	181.42	0.16
38.70	0.00	17,342	181.42	0.15
38.80	0.00	17,287	181.41	0.15
38.90	0.00	17,231	181.41	0.15
39.00	0.00	17,176	181.40	0.15
39.10	0.00	17,120	181.40	0.15
39.20	0.00	17,065	181.39	0.15
39.30	0.00	17,010	181.39	0.15
39.40	0.00	16,955	181.38	0.15
39.50	0.00	16,901	181.38	0.15
39.60	0.00	16,846	181.38	0.15
39.70	0.00	16,792	181.37	0.15
39.80	0.00	16,737	181.37	0.15
39.90	0.00	16,683	181.36	0.15
40.00	0.00	16,629	181.36	0.15

Stage-Discharge for Pond B-11: Basin #11

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.00	0.00	180.52	0.02	181.04	0.12	181.56	0.17
180.01	0.00	180.53	0.02	181.05	0.12	181.57	0.17
180.02	0.00	180.54	0.02	181.06	0.12	181.58	0.17
180.03	0.00	180.55	0.03	181.07	0.12	181.59	0.17
180.04	0.00	180.56	0.03	181.08	0.12	181.60	0.17
180.05	0.00	180.57	0.03	181.09	0.12	181.61	0.17
180.06	0.00	180.58	0.04	181.10	0.12	181.62	0.17
180.07	0.00	180.59	0.04	181.11	0.13	181.63	0.17
180.08	0.00	180.60	0.05	181.12	0.13	181.64	0.17
180.09	0.00	180.61	0.05	181.13	0.13	181.65	0.17
180.10	0.00	180.62	0.05	181.14	0.13	181.66	0.17
180.11	0.00	180.63	0.05	181.15	0.13	181.67	0.18
180.12	0.00	180.64	0.06	181.16	0.13	181.68	0.18
180.13	0.00	180.65	0.06	181.17	0.13	181.69	0.18
180.14	0.00	180.66	0.06	181.18	0.13	181.70	0.18
180.15	0.00	180.67	0.06	181.19	0.13	181.71	0.18
180.16	0.00	180.68	0.06	181.20	0.13	181.72	0.18
180.17	0.00	180.69	0.07	181.21	0.14	181.73	0.18
180.18	0.00	180.70	0.07	181.22	0.14	181.74	0.18
180.19	0.00	180.71	0.07	181.23	0.14	181.75	0.18
180.20	0.00	180.72	0.07	181.24	0.14	181.76	0.18
180.21	0.00	180.73	0.07	181.25	0.14	181.77	0.18
180.22	0.00	180.74	0.08	181.26	0.14	181.78	0.18
180.23	0.00	180.75	0.08	181.27	0.14	181.79	0.18
180.24	0.00	180.76	0.08	181.28	0.14	181.80	0.19
180.25	0.00	180.77	0.08	181.29	0.14	181.81	0.19
180.26	0.00	180.78	0.08	181.30	0.14	181.82	0.19
180.27	0.00	180.79	0.08	181.31	0.15	181.83	0.19
180.28	0.00	180.80	0.09	181.32	0.15	181.84	0.19
180.29	0.00	180.81	0.09	181.33	0.15	181.85	0.19
180.30	0.00	180.82	0.09	181.34	0.15	181.86	0.19
180.31	0.00	180.83	0.09	181.35	0.15	181.87	0.19
180.32	0.00	180.84	0.09	181.36	0.15	181.88	0.19
180.33	0.00	180.85	0.09	181.37	0.15	181.89	0.19
180.34	0.00	180.86	0.10	181.38	0.15	181.90	0.19
180.35	0.00	180.87	0.10	181.39	0.15	181.91	0.19
180.36	0.00	180.88	0.10	181.40	0.15	181.92	0.19
180.37	0.00	180.89	0.10	181.41	0.15	181.93	0.19
180.38	0.00	180.90	0.10	181.42	0.16	181.94	0.20
180.39	0.00	180.91	0.10	181.43	0.16	181.95	0.20
180.40	0.00	180.92	0.10	181.44	0.16	181.96	0.20
180.41	0.00	180.93	0.10	181.45	0.16	181.97	0.20
180.42	0.00	180.94	0.11	181.46	0.16	181.98	0.20
180.43	0.00	180.95	0.11	181.47	0.16	181.99	0.20
180.44	0.00	180.96	0.11	181.48	0.16	182.00	0.20
180.45	0.00	180.97	0.11	181.49	0.16	182.01	0.20
180.46	0.00	180.98	0.11	181.50	0.16	182.02	0.20
180.47	0.00	180.99	0.11	181.51	0.16	182.03	0.20
180.48	0.01	181.00	0.11	181.52	0.16	182.04	0.20
180.49	0.01	181.01	0.11	181.53	0.16	182.05	0.20
180.50	0.01	181.02	0.12	181.54	0.17	182.06	0.20
180.51	0.01	181.03	0.12	181.55	0.17	182.07	0.20

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
182.08	0.20	182.60	0.24	183.12	0.26	183.64	0.29
182.09	0.21	182.61	0.24	183.13	0.26	183.65	0.29
182.10	0.21	182.62	0.24	183.14	0.27	183.66	0.29
182.11	0.21	182.63	0.24	183.15	0.27	183.67	0.29
182.12	0.21	182.64	0.24	183.16	0.27	183.68	0.29
182.13	0.21	182.65	0.24	183.17	0.27	183.69	0.29
182.14	0.21	182.66	0.24	183.18	0.27	183.70	0.29
182.15	0.21	182.67	0.24	183.19	0.27	183.71	0.29
182.16	0.21	182.68	0.24	183.20	0.27	183.72	0.29
182.17	0.21	182.69	0.24	183.21	0.27	183.73	0.29
182.18	0.21	182.70	0.24	183.22	0.27	183.74	0.29
182.19	0.21	182.71	0.24	183.23	0.27	183.75	0.29
182.20	0.21	182.72	0.24	183.24	0.27	183.76	0.30
182.21	0.21	182.73	0.24	183.25	0.27	183.77	0.30
182.22	0.21	182.74	0.24	183.26	0.27	183.78	0.30
182.23	0.21	182.75	0.24	183.27	0.27	183.79	0.30
182.24	0.22	182.76	0.25	183.28	0.27	183.80	0.30
182.25	0.22	182.77	0.25	183.29	0.27	183.81	0.30
182.26	0.22	182.78	0.25	183.30	0.27	183.82	0.30
182.27	0.22	182.79	0.25	183.31	0.27	183.83	0.30
182.28	0.22	182.80	0.25	183.32	0.27	183.84	0.30
182.29	0.22	182.81	0.25	183.33	0.27	183.85	0.30
182.30	0.22	182.82	0.25	183.34	0.28	183.86	0.30
182.31	0.22	182.83	0.25	183.35	0.28	183.87	0.30
182.32	0.22	182.84	0.25	183.36	0.28	183.88	0.30
182.33	0.22	182.85	0.25	183.37	0.28	183.89	0.30
182.34	0.22	182.86	0.25	183.38	0.28	183.90	0.30
182.35	0.22	182.87	0.25	183.39	0.28	183.91	0.30
182.36	0.22	182.88	0.25	183.40	0.28	183.92	0.30
182.37	0.22	182.89	0.25	183.41	0.28	183.93	0.30
182.38	0.22	182.90	0.25	183.42	0.28	183.94	0.30
182.39	0.22	182.91	0.25	183.43	0.28	183.95	0.30
182.40	0.22	182.92	0.25	183.44	0.28	183.96	0.30
182.41	0.23	182.93	0.25	183.45	0.28	183.97	0.30
182.42	0.23	182.94	0.26	183.46	0.28	183.98	0.31
182.43	0.23	182.95	0.26	183.47	0.28	183.99	0.31
182.44	0.23	182.96	0.26	183.48	0.28	184.00	0.31
182.45	0.23	182.97	0.26	183.49	0.28	184.01	0.31
182.46	0.23	182.98	0.26	183.50	0.28	184.02	0.31
182.47	0.23	182.99	0.26	183.51	0.28	184.03	0.31
182.48	0.23	183.00	0.26	183.52	0.28	184.04	0.31
182.49	0.23	183.01	0.26	183.53	0.28	184.05	0.31
182.50	0.23	183.02	0.26	183.54	0.29	184.06	0.31
182.51	0.23	183.03	0.26	183.55	0.29	184.07	0.31
182.52	0.23	183.04	0.26	183.56	0.29	184.08	0.31
182.53	0.23	183.05	0.26	183.57	0.29	184.09	0.31
182.54	0.23	183.06	0.26	183.58	0.29	184.10	0.31
182.55	0.23	183.07	0.26	183.59	0.29	184.11	0.31
182.56	0.23	183.08	0.26	183.60	0.29	184.12	0.31
182.57	0.23	183.09	0.26	183.61	0.29	184.13	0.31
182.58	0.24	183.10	0.26	183.62	0.29	184.14	0.31
182.59	0.24	183.11	0.26	183.63	0.29	184.15	0.31

Stage-Discharge for Pond B-11: Basin #11 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.16	0.31	184.68	0.33	185.20	3.60	185.72	23.67
184.17	0.31	184.69	0.34	185.21	3.72	185.73	24.74
184.18	0.31	184.70	0.34	185.22	3.84	185.74	25.84
184.19	0.31	184.71	0.34	185.23	3.96	185.75	26.96
184.20	0.31	184.72	0.34	185.24	4.09	185.76	28.12
184.21	0.32	184.73	0.34	185.25	4.22	185.77	29.29
184.22	0.32	184.74	0.34	185.26	4.34	185.78	30.49
184.23	0.32	184.75	0.34	185.27	4.47	185.79	31.72
184.24	0.32	184.76	0.34	185.28	4.60	185.80	32.97
184.25	0.32	184.77	0.34	185.29	4.73	185.81	34.25
184.26	0.32	184.78	0.34	185.30	4.87	185.82	35.55
184.27	0.32	184.79	0.34	185.31	5.00	185.83	36.88
184.28	0.32	184.80	0.34	185.32	5.14	185.84	38.23
184.29	0.32	184.81	0.35	185.33	5.27	185.85	39.61
184.30	0.32	184.82	0.38	185.34	5.41	185.86	41.01
184.31	0.32	184.83	0.41	185.35	5.55	185.87	42.44
184.32	0.32	184.84	0.45	185.36	5.69	185.88	43.89
184.33	0.32	184.85	0.49	185.37	5.83	185.89	45.37
184.34	0.32	184.86	0.53	185.38	5.97	185.90	46.87
184.35	0.32	184.87	0.58	185.39	6.11	185.91	48.42
184.36	0.32	184.88	0.64	185.40	6.26	185.92	50.00
184.37	0.32	184.89	0.69	185.41	6.40	185.93	51.61
184.38	0.32	184.90	0.75	185.42	6.55	185.94	53.24
184.39	0.32	184.91	0.82	185.43	6.70	185.95	54.91
184.40	0.32	184.92	0.88	185.44	6.85	185.96	56.59
184.41	0.32	184.93	0.95	185.45	7.00	185.97	58.31
184.42	0.32	184.94	1.03	185.46	7.15	185.98	60.05
184.43	0.32	184.95	1.10	185.47	7.30	185.99	61.82
184.44	0.32	184.96	1.18	185.48	7.45	186.00	**63.61**
184.45	0.33	184.97	1.26	185.49	7.60		
184.46	0.33	184.98	1.34	185.50	7.76		
184.47	0.33	184.99	1.42	185.51	8.03		
184.48	0.33	185.00	1.51	185.52	8.40		
184.49	0.33	185.01	1.59	185.53	8.84		
184.50	0.33	185.02	1.68	185.54	9.32		
184.51	0.33	185.03	1.77	185.55	9.86		
184.52	0.33	185.04	1.87	185.56	10.43		
184.53	0.33	185.05	1.96	185.57	11.04		
184.54	0.33	185.06	2.06	185.58	11.69		
184.55	0.33	185.07	2.16	185.59	12.36		
184.56	0.33	185.08	2.26	185.60	13.07		
184.57	0.33	185.09	2.36	185.61	13.81		
184.58	0.33	185.10	2.47	185.62	14.58		
184.59	0.33	185.11	2.57	185.63	15.37		
184.60	0.33	185.12	2.68	185.64	16.19		
184.61	0.33	185.13	2.79	185.65	17.03		
184.62	0.33	185.14	2.90	185.66	17.90		
184.63	0.33	185.15	3.01	185.67	18.79		
184.64	0.33	185.16	3.13	185.68	19.71		
184.65	0.33	185.17	3.24	185.69	20.64		
184.66	0.33	185.18	3.36	185.70	21.60		
184.67	0.33	185.19	3.48	185.71	22.62		

Stage-Area-Storage for Pond B-11: Basin #11

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.00	**12,248**	0	180.52	12,248	6,369
180.01	12,248	122	180.53	12,248	6,491
180.02	12,248	245	180.54	12,248	6,614
180.03	12,248	367	180.55	12,248	6,736
180.04	12,248	490	180.56	12,248	6,859
180.05	12,248	612	180.57	12,248	6,981
180.06	12,248	735	180.58	12,248	7,104
180.07	12,248	857	180.59	12,248	7,226
180.08	12,248	980	180.60	12,248	7,349
180.09	12,248	1,102	180.61	12,248	7,471
180.10	12,248	1,225	180.62	12,248	7,594
180.11	12,248	1,347	180.63	12,248	7,716
180.12	12,248	1,470	180.64	12,248	7,839
180.13	12,248	1,592	180.65	12,248	7,961
180.14	12,248	1,715	180.66	12,248	8,084
180.15	12,248	1,837	180.67	12,248	8,206
180.16	12,248	1,960	180.68	12,248	8,329
180.17	12,248	2,082	180.69	12,248	8,451
180.18	12,248	2,205	180.70	12,248	8,574
180.19	12,248	2,327	180.71	12,248	8,696
180.20	12,248	2,450	180.72	12,248	8,819
180.21	12,248	2,572	180.73	12,248	8,941
180.22	12,248	2,695	180.74	12,248	9,064
180.23	12,248	2,817	180.75	12,248	9,186
180.24	12,248	2,940	180.76	12,248	9,308
180.25	12,248	3,062	180.77	12,248	9,431
180.26	12,248	3,184	180.78	12,248	9,553
180.27	12,248	3,307	180.79	12,248	9,676
180.28	12,248	3,429	180.80	12,248	9,798
180.29	12,248	3,552	180.81	12,248	9,921
180.30	12,248	3,674	180.82	12,248	10,043
180.31	12,248	3,797	180.83	12,248	10,166
180.32	12,248	3,919	180.84	12,248	10,288
180.33	12,248	4,042	180.85	12,248	10,411
180.34	12,248	4,164	180.86	12,248	10,533
180.35	12,248	4,287	180.87	12,248	10,656
180.36	12,248	4,409	180.88	12,248	10,778
180.37	12,248	4,532	180.89	12,248	10,901
180.38	12,248	4,654	180.90	12,248	11,023
180.39	12,248	4,777	180.91	12,248	11,146
180.40	12,248	4,899	180.92	12,248	11,268
180.41	12,248	5,022	180.93	12,248	11,391
180.42	12,248	5,144	180.94	12,248	11,513
180.43	12,248	5,267	180.95	12,248	11,636
180.44	12,248	5,389	180.96	12,248	11,758
180.45	12,248	5,512	180.97	12,248	11,881
180.46	12,248	5,634	180.98	12,248	12,003
180.47	12,248	5,757	180.99	12,248	12,126
180.48	12,248	5,879	181.00	12,248	12,248
180.49	12,248	6,002	181.01	12,248	12,370
180.50	12,248	6,124	181.02	12,248	12,493
180.51	12,248	6,246	181.03	12,248	12,615

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.04	12,248	12,738	181.56	12,248	19,107
181.05	12,248	12,860	181.57	12,248	19,229
181.06	12,248	12,983	181.58	12,248	19,352
181.07	12,248	13,105	181.59	12,248	19,474
181.08	12,248	13,228	181.60	12,248	19,597
181.09	12,248	13,350	181.61	12,248	19,719
181.10	12,248	13,473	181.62	12,248	19,842
181.11	12,248	13,595	181.63	12,248	19,964
181.12	12,248	13,718	181.64	12,248	20,087
181.13	12,248	13,840	181.65	12,248	20,209
181.14	12,248	13,963	181.66	12,248	20,332
181.15	12,248	14,085	181.67	12,248	20,454
181.16	12,248	14,208	181.68	12,248	20,577
181.17	12,248	14,330	181.69	12,248	20,699
181.18	12,248	14,453	181.70	12,248	20,822
181.19	12,248	14,575	181.71	12,248	20,944
181.20	12,248	14,698	181.72	12,248	21,067
181.21	12,248	14,820	181.73	12,248	21,189
181.22	12,248	14,943	181.74	12,248	21,312
181.23	12,248	15,065	181.75	12,248	21,434
181.24	12,248	15,188	181.76	12,248	21,556
181.25	12,248	15,310	181.77	12,248	21,679
181.26	12,248	15,432	181.78	12,248	21,801
181.27	12,248	15,555	181.79	12,248	21,924
181.28	12,248	15,677	181.80	12,248	22,046
181.29	12,248	15,800	181.81	12,248	22,169
181.30	12,248	15,922	181.82	12,248	22,291
181.31	12,248	16,045	181.83	12,248	22,414
181.32	12,248	16,167	181.84	12,248	22,536
181.33	12,248	16,290	181.85	12,248	22,659
181.34	12,248	16,412	181.86	12,248	22,781
181.35	12,248	16,535	181.87	12,248	22,904
181.36	12,248	16,657	181.88	12,248	23,026
181.37	12,248	16,780	181.89	12,248	23,149
181.38	12,248	16,902	181.90	12,248	23,271
181.39	12,248	17,025	181.91	12,248	23,394
181.40	12,248	17,147	181.92	12,248	23,516
181.41	12,248	17,270	181.93	12,248	23,639
181.42	12,248	17,392	181.94	12,248	23,761
181.43	12,248	17,515	181.95	12,248	23,884
181.44	12,248	17,637	181.96	12,248	24,006
181.45	12,248	17,760	181.97	12,248	24,129
181.46	12,248	17,882	181.98	12,248	24,251
181.47	12,248	18,005	181.99	12,248	24,374
181.48	12,248	18,127	182.00	12,248	24,496
181.49	12,248	18,250	182.01	12,248	24,618
181.50	12,248	18,372	182.02	12,248	24,741
181.51	12,248	18,494	182.03	12,248	24,863
181.52	12,248	18,617	182.04	12,248	24,986
181.53	12,248	18,739	182.05	12,248	25,108
181.54	12,248	18,862	182.06	12,248	25,231
181.55	12,248	18,984	182.07	12,248	25,353

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.08	12,248	25,476	182.60	12,248	31,845
182.09	12,248	25,598	182.61	12,248	31,967
182.10	12,248	25,721	182.62	12,248	32,090
182.11	12,248	25,843	182.63	12,248	32,212
182.12	12,248	25,966	182.64	12,248	32,335
182.13	12,248	26,088	182.65	12,248	32,457
182.14	12,248	26,211	182.66	12,248	32,580
182.15	12,248	26,333	182.67	12,248	32,702
182.16	12,248	26,456	182.68	12,248	32,825
182.17	12,248	26,578	182.69	12,248	32,947
182.18	12,248	26,701	182.70	12,248	33,070
182.19	12,248	26,823	182.71	12,248	33,192
182.20	12,248	26,946	182.72	12,248	33,315
182.21	12,248	27,068	182.73	12,248	33,437
182.22	12,248	27,191	182.74	12,248	33,560
182.23	12,248	27,313	182.75	12,248	33,682
182.24	12,248	27,436	182.76	12,248	33,804
182.25	12,248	27,558	182.77	12,248	33,927
182.26	12,248	27,680	182.78	12,248	34,049
182.27	12,248	27,803	182.79	12,248	34,172
182.28	12,248	27,925	182.80	12,248	34,294
182.29	12,248	28,048	182.81	12,248	34,417
182.30	12,248	28,170	182.82	12,248	34,539
182.31	12,248	28,293	182.83	12,248	34,662
182.32	12,248	28,415	182.84	12,248	34,784
182.33	12,248	28,538	182.85	12,248	34,907
182.34	12,248	28,660	182.86	12,248	35,029
182.35	12,248	28,783	182.87	12,248	35,152
182.36	12,248	28,905	182.88	12,248	35,274
182.37	12,248	29,028	182.89	12,248	35,397
182.38	12,248	29,150	182.90	12,248	35,519
182.39	12,248	29,273	182.91	12,248	35,642
182.40	12,248	29,395	182.92	12,248	35,764
182.41	12,248	29,518	182.93	12,248	35,887
182.42	12,248	29,640	182.94	12,248	36,009
182.43	12,248	29,763	182.95	12,248	36,132
182.44	12,248	29,885	182.96	12,248	36,254
182.45	12,248	30,008	182.97	12,248	36,377
182.46	12,248	30,130	182.98	12,248	36,499
182.47	12,248	30,253	182.99	12,248	36,622
182.48	12,248	30,375	183.00	12,248	36,744
182.49	12,248	30,498	183.01	12,248	36,866
182.50	12,248	30,620	183.02	12,248	36,989
182.51	12,248	30,742	183.03	12,248	37,111
182.52	12,248	30,865	183.04	12,248	37,234
182.53	12,248	30,987	183.05	12,248	37,356
182.54	12,248	31,110	183.06	12,248	37,479
182.55	12,248	31,232	183.07	12,248	37,601
182.56	12,248	31,355	183.08	12,248	37,724
182.57	12,248	31,477	183.09	12,248	37,846
182.58	12,248	31,600	183.10	12,248	37,969
182.59	12,248	31,722	183.11	12,248	38,091

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.12	12,248	38,214	183.64	12,248	44,583
183.13	12,248	38,336	183.65	12,248	44,705
183.14	12,248	38,459	183.66	12,248	44,828
183.15	12,248	38,581	183.67	12,248	44,950
183.16	12,248	38,704	183.68	12,248	45,073
183.17	12,248	38,826	183.69	12,248	45,195
183.18	12,248	38,949	183.70	12,248	45,318
183.19	12,248	39,071	183.71	12,248	45,440
183.20	12,248	39,194	183.72	12,248	45,563
183.21	12,248	39,316	183.73	12,248	45,685
183.22	12,248	39,439	183.74	12,248	45,808
183.23	12,248	39,561	183.75	12,248	45,930
183.24	12,248	39,684	183.76	12,248	46,052
183.25	12,248	39,806	183.77	12,248	46,175
183.26	12,248	39,928	183.78	12,248	46,297
183.27	12,248	40,051	183.79	12,248	46,420
183.28	12,248	40,173	183.80	12,248	46,542
183.29	12,248	40,296	183.81	12,248	46,665
183.30	12,248	40,418	183.82	12,248	46,787
183.31	12,248	40,541	183.83	12,248	46,910
183.32	12,248	40,663	183.84	12,248	47,032
183.33	12,248	40,786	183.85	12,248	47,155
183.34	12,248	40,908	183.86	12,248	47,277
183.35	12,248	41,031	183.87	12,248	47,400
183.36	12,248	41,153	183.88	12,248	47,522
183.37	12,248	41,276	183.89	12,248	47,645
183.38	12,248	41,398	183.90	12,248	47,767
183.39	12,248	41,521	183.91	12,248	47,890
183.40	12,248	41,643	183.92	12,248	48,012
183.41	12,248	41,766	183.93	12,248	48,135
183.42	12,248	41,888	183.94	12,248	48,257
183.43	12,248	42,011	183.95	12,248	48,380
183.44	12,248	42,133	183.96	12,248	48,502
183.45	12,248	42,256	183.97	12,248	48,625
183.46	12,248	42,378	183.98	12,248	48,747
183.47	12,248	42,501	183.99	12,248	48,870
183.48	12,248	42,623	184.00	12,248	48,992
183.49	12,248	42,746	184.01	12,248	49,114
183.50	12,248	42,868	184.02	12,248	49,237
183.51	12,248	42,990	184.03	12,248	49,359
183.52	12,248	43,113	184.04	12,248	49,482
183.53	12,248	43,235	184.05	12,248	49,604
183.54	12,248	43,358	184.06	12,248	49,727
183.55	12,248	43,480	184.07	12,248	49,849
183.56	12,248	43,603	184.08	12,248	49,972
183.57	12,248	43,725	184.09	12,248	50,094
183.58	12,248	43,848	184.10	12,248	50,217
183.59	12,248	43,970	184.11	12,248	50,339
183.60	12,248	44,093	184.12	12,248	50,462
183.61	12,248	44,215	184.13	12,248	50,584
183.62	12,248	44,338	184.14	12,248	50,707
183.63	12,248	44,460	184.15	12,248	50,829

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.16	12,248	50,952	184.68	12,248	57,321
184.17	12,248	51,074	184.69	12,248	57,443
184.18	12,248	51,197	184.70	12,248	57,566
184.19	12,248	51,319	184.71	12,248	57,688
184.20	12,248	51,442	184.72	12,248	57,811
184.21	12,248	51,564	184.73	12,248	57,933
184.22	12,248	51,687	184.74	12,248	58,056
184.23	12,248	51,809	184.75	12,248	58,178
184.24	12,248	51,932	184.76	12,248	58,300
184.25	12,248	52,054	184.77	12,248	58,423
184.26	12,248	52,176	184.78	12,248	58,545
184.27	12,248	52,299	184.79	12,248	58,668
184.28	12,248	52,421	184.80	12,248	58,790
184.29	12,248	52,544	184.81	12,248	58,913
184.30	12,248	52,666	184.82	12,248	59,035
184.31	12,248	52,789	184.83	12,248	59,158
184.32	12,248	52,911	184.84	12,248	59,280
184.33	12,248	53,034	184.85	12,248	59,403
184.34	12,248	53,156	184.86	12,248	59,525
184.35	12,248	53,279	184.87	12,248	59,648
184.36	12,248	53,401	184.88	12,248	59,770
184.37	12,248	53,524	184.89	12,248	59,893
184.38	12,248	53,646	184.90	12,248	60,015
184.39	12,248	53,769	184.91	12,248	60,138
184.40	12,248	53,891	184.92	12,248	60,260
184.41	12,248	54,014	184.93	12,248	60,383
184.42	12,248	54,136	184.94	12,248	60,505
184.43	12,248	54,259	184.95	12,248	60,628
184.44	12,248	54,381	184.96	12,248	60,750
184.45	12,248	54,504	184.97	12,248	60,873
184.46	12,248	54,626	184.98	12,248	60,995
184.47	12,248	54,749	184.99	12,248	61,118
184.48	12,248	54,871	185.00	12,248	61,240
184.49	12,248	54,994	185.01	12,248	61,362
184.50	12,248	55,116	185.02	12,248	61,485
184.51	12,248	55,238	185.03	12,248	61,607
184.52	12,248	55,361	185.04	12,248	61,730
184.53	12,248	55,483	185.05	12,248	61,852
184.54	12,248	55,606	185.06	12,248	61,975
184.55	12,248	55,728	185.07	12,248	62,097
184.56	12,248	55,851	185.08	12,248	62,220
184.57	12,248	55,973	185.09	12,248	62,342
184.58	12,248	56,096	185.10	12,248	62,465
184.59	12,248	56,218	185.11	12,248	62,587
184.60	12,248	56,341	185.12	12,248	62,710
184.61	12,248	56,463	185.13	12,248	62,832
184.62	12,248	56,586	185.14	12,248	62,955
184.63	12,248	56,708	185.15	12,248	63,077
184.64	12,248	56,831	185.16	12,248	63,200
184.65	12,248	56,953	185.17	12,248	63,322
184.66	12,248	57,076	185.18	12,248	63,445
184.67	12,248	57,198	185.19	12,248	63,567

Stage-Area-Storage for Pond B-11: Basin #11 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.20	12,248	63,690
185.21	12,248	63,812
185.22	12,248	63,935
185.23	12,248	64,057
185.24	12,248	64,180
185.25	12,248	64,302
185.26	12,248	64,424
185.27	12,248	64,547
185.28	12,248	64,669
185.29	12,248	64,792
185.30	12,248	64,914
185.31	12,248	65,037
185.32	12,248	65,159
185.33	12,248	65,282
185.34	12,248	65,404
185.35	12,248	65,527
185.36	12,248	65,649
185.37	12,248	65,772
185.38	12,248	65,894
185.39	12,248	66,017
185.40	12,248	66,139
185.41	12,248	66,262
185.42	12,248	66,384
185.43	12,248	66,507
185.44	12,248	66,629
185.45	12,248	66,752
185.46	12,248	66,874
185.47	12,248	66,997
185.48	12,248	67,119
185.49	12,248	67,242
185.50	12,248	67,364
185.51	12,248	67,486
185.52	12,248	67,609
185.53	12,248	67,731
185.54	12,248	67,854
185.55	12,248	67,976
185.56	12,248	68,099
185.57	12,248	68,221
185.58	12,248	68,344
185.59	12,248	68,466
185.60	12,248	68,589
185.61	12,248	68,711
185.62	12,248	68,834
185.63	12,248	68,956
185.64	12,248	69,079
185.65	12,248	69,201
185.66	12,248	69,324
185.67	12,248	69,446
185.68	12,248	69,569
185.69	12,248	69,691
185.70	12,248	69,814
185.71	12,248	69,936
185.72	12,248	70,059
185.73	12,248	70,181
185.74	12,248	70,304
185.75	12,248	70,426
185.76	12,248	70,548
185.77	12,248	70,671
185.78	12,248	70,793
185.79	12,248	70,916
185.80	12,248	71,038
185.81	12,248	71,161
185.82	12,248	71,283
185.83	12,248	71,406
185.84	12,248	71,528
185.85	12,248	71,651
185.86	12,248	71,773
185.87	12,248	71,896
185.88	12,248	72,018
185.89	12,248	72,141
185.90	12,248	72,263
185.91	12,248	72,386
185.92	12,248	72,508
185.93	12,248	72,631
185.94	12,248	72,753
185.95	12,248	72,876
185.96	12,248	72,998
185.97	12,248	73,121
185.98	12,248	73,243
185.99	12,248	73,366
186.00	12,248	**73,488**

Summary for Pond B-12: Basin #12

Inflow Area = 2.426 ac, 44.77% Impervious, Inflow Depth = 4.17" for Future 10 yr event
Inflow = 13.27 cfs @ 12.09 hrs, Volume= 0.842 af
Outflow = 7.41 cfs @ 12.17 hrs, Volume= 0.717 af, Atten= 44%, Lag= 4.8 min
Primary = 7.41 cfs @ 12.17 hrs, Volume= 0.717 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.69' @ 12.17 hrs Surf.Area= 5,928 sf Storage= 15,928 cf

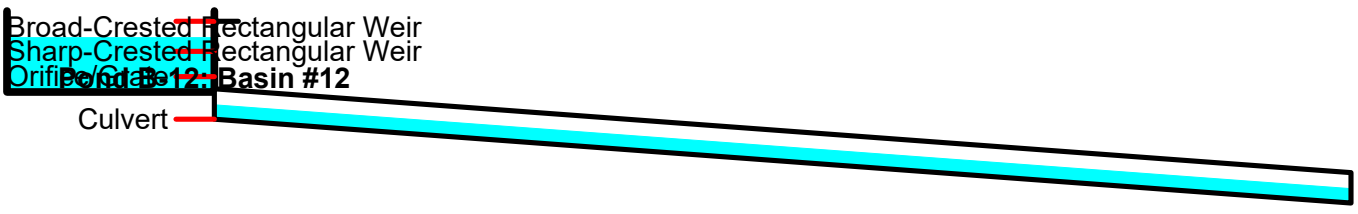
Plug-Flow detention time= 352.4 min calculated for 0.717 af (85% of inflow)
Center-of-Mass det. time= 283.7 min (1,062.0 - 778.4)

Volume	Invert	Avail.Storage	Storage Description
#1	201.00'	23,712 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

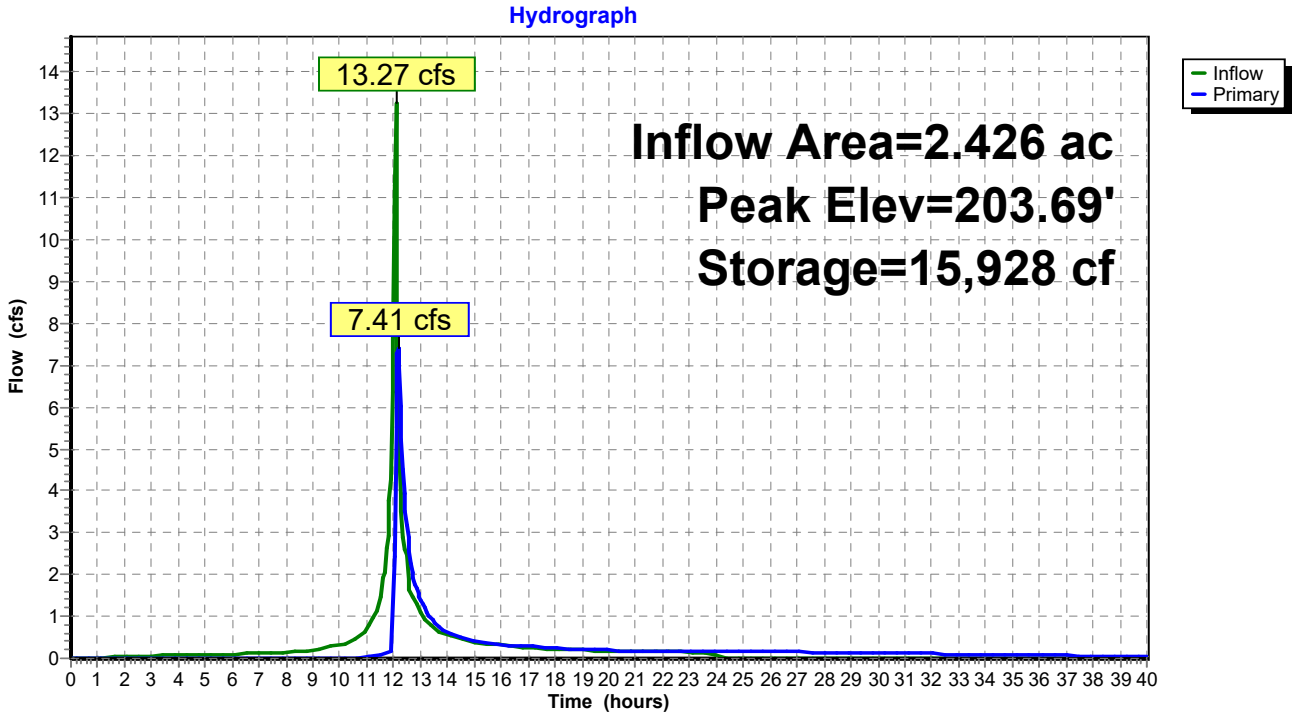
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
201.00	5,928	0	0
202.00	5,928	5,928	5,928
203.00	5,928	5,928	11,856
204.00	5,928	5,928	17,784
205.00	5,928	5,928	23,712

Device	Routing	Invert	Outlet Devices
#1	Primary	199.65'	**18.0" Round Culvert** L= 238.0' Ke= 0.500 Inlet / Outlet Invert= 199.65' / 195.50' S= 0.0174 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	201.75'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=7.17 cfs @ 12.17 hrs HW=203.67' (Free Discharge)
- **1=Culvert** (Passes 7.17 cfs of 15.14 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.49 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 6.95 cfs @ 2.68 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-12: Basin #12



Hydrograph for Pond B-12: Basin #12

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	201.00	0.00
0.10	0.00	0	201.00	0.00
0.20	0.00	0	201.00	0.00
0.30	0.00	0	201.00	0.00
0.40	0.00	0	201.00	0.00
0.50	0.00	0	201.00	0.00
0.60	0.00	0	201.00	0.00
0.70	0.00	0	201.00	0.00
0.80	0.00	1	201.00	0.00
0.90	0.01	3	201.00	0.00
1.00	0.01	7	201.00	0.00
1.10	0.02	12	201.00	0.00
1.20	0.02	18	201.00	0.00
1.30	0.02	25	201.00	0.00
1.40	0.02	33	201.01	0.00
1.50	0.03	42	201.01	0.00
1.60	0.03	53	201.01	0.00
1.70	0.03	64	201.01	0.00
1.80	0.03	76	201.01	0.00
1.90	0.04	89	201.02	0.00
2.00	0.04	103	201.02	0.00
2.10	0.04	117	201.02	0.00
2.20	0.04	132	201.02	0.00
2.30	0.05	148	201.03	0.00
2.40	0.05	165	201.03	0.00
2.50	0.05	182	201.03	0.00
2.60	0.05	200	201.03	0.00
2.70	0.05	219	201.04	0.00
2.80	0.05	238	201.04	0.00
2.90	0.06	258	201.04	0.00
3.00	0.06	278	201.05	0.00
3.10	0.06	299	201.05	0.00
3.20	0.06	321	201.05	0.00
3.30	0.06	342	201.06	0.00
3.40	0.06	365	201.06	0.00
3.50	0.06	388	201.07	0.00
3.60	0.07	411	201.07	0.00
3.70	0.07	435	201.07	0.00
3.80	0.07	460	201.08	0.00
3.90	0.07	484	201.08	0.00
4.00	0.07	510	201.09	0.00
4.10	0.07	535	201.09	0.00
4.20	0.07	561	201.09	0.00
4.30	0.07	588	201.10	0.00
4.40	0.08	615	201.10	0.00
4.50	0.08	642	201.11	0.00
4.60	0.08	670	201.11	0.00
4.70	0.08	698	201.12	0.00
4.80	0.08	727	201.12	0.00
4.90	0.08	756	201.13	0.00
5.00	0.08	785	201.13	0.00
5.10	0.08	814	201.14	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	844	201.14	0.00
5.30	0.08	875	201.15	0.00
5.40	0.09	905	201.15	0.00
5.50	0.09	936	201.16	0.00
5.60	0.09	968	201.16	0.00
5.70	0.09	1,000	201.17	0.00
5.80	0.09	1,032	201.17	0.00
5.90	0.09	1,064	201.18	0.00
6.00	0.09	1,097	201.19	0.00
6.10	0.09	1,130	201.19	0.00
6.20	0.10	1,164	201.20	0.00
6.30	0.10	1,200	201.20	0.00
6.40	0.10	1,236	201.21	0.00
6.50	0.10	1,273	201.21	0.00
6.60	0.11	1,311	201.22	0.00
6.70	0.11	1,350	201.23	0.00
6.80	0.11	1,390	201.23	0.00
6.90	0.11	1,431	201.24	0.00
7.00	0.12	1,473	201.25	0.00
7.10	0.12	1,515	201.26	0.00
7.20	0.12	1,559	201.26	0.00
7.30	0.13	1,604	201.27	0.00
7.40	0.13	1,650	201.28	0.00
7.50	0.13	1,696	201.29	0.00
7.60	0.13	1,744	201.29	0.00
7.70	0.14	1,792	201.30	0.00
7.80	0.14	1,842	201.31	0.00
7.90	0.14	1,892	201.32	0.00
8.00	0.14	1,944	201.33	0.00
8.10	0.15	1,996	201.34	0.00
8.20	0.15	2,050	201.35	0.00
8.30	0.16	2,106	201.36	0.00
8.40	0.16	2,162	201.36	0.00
8.50	0.16	2,221	201.37	0.00
8.60	0.17	2,281	201.38	0.00
8.70	0.17	2,343	201.40	0.00
8.80	0.18	2,406	201.41	0.00
8.90	0.18	2,471	201.42	0.00
9.00	0.19	2,538	201.43	0.00
9.10	0.20	2,608	201.44	0.00
9.20	0.21	2,682	201.45	0.00
9.30	0.23	2,761	201.47	0.00
9.40	0.24	2,844	201.48	0.00
9.50	0.25	2,933	201.49	0.00
9.60	0.27	3,026	201.51	0.00
9.70	0.28	3,124	201.53	0.00
9.80	0.29	3,228	201.54	0.00
9.90	0.31	3,337	201.56	0.00
10.00	0.32	3,451	201.58	0.00
10.10	0.34	3,570	201.60	0.00
10.20	0.36	3,696	201.62	0.00
10.30	0.37	3,827	201.65	0.00

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.39	3,963	201.67	0.00
10.50	0.41	4,106	201.69	0.00
10.60	0.46	4,262	201.72	0.00
10.70	0.51	4,437	201.75	0.00
10.80	0.56	4,631	201.78	0.00
10.90	0.62	4,843	201.82	0.01
11.00	0.68	5,073	201.86	0.02
11.10	0.78	5,329	201.90	0.03
11.20	0.89	5,618	201.95	0.05
11.30	1.00	5,941	202.00	0.06
11.40	1.12	6,302	202.06	0.07
11.50	1.23	6,698	202.13	0.09
11.60	1.92	7,248	202.22	0.10
11.70	2.11	7,936	202.34	0.11
11.80	2.95	8,819	202.49	0.13
11.90	4.27	10,093	202.70	0.15
12.00	7.68	12,237	203.06	0.40
12.10	**13.03**	**15,168**	**203.56**	**5.53**
12.20	5.02	**15,743**	**203.66**	**6.94**
12.30	3.51	15,038	203.54	5.22
12.40	2.59	14,464	203.44	3.94
12.50	2.43	14,094	203.38	3.18
12.60	1.61	13,762	203.32	2.55
12.70	1.50	13,492	203.28	2.07
12.80	1.37	13,315	203.25	1.77
12.90	1.24	13,181	203.22	1.56
13.00	1.11	13,069	203.20	1.39
13.10	0.98	12,967	203.19	1.25
13.20	0.91	12,880	203.17	1.12
13.30	0.84	12,807	203.16	1.02
13.40	0.77	12,742	203.15	0.94
13.50	0.70	12,679	203.14	0.86
13.60	0.63	12,619	203.13	0.79
13.70	0.61	12,570	203.12	0.73
13.80	0.59	12,531	203.11	0.69
13.90	0.58	12,500	203.11	0.65
14.00	0.56	12,472	203.10	0.63
14.10	0.54	12,448	203.10	0.60
14.20	0.52	12,426	203.10	0.58
14.30	0.50	12,406	203.09	0.56
14.40	0.48	12,386	203.09	0.54
14.50	0.47	12,367	203.09	0.52
14.60	0.45	12,349	203.08	0.50
14.70	0.43	12,330	203.08	0.48
14.80	0.41	12,312	203.08	0.46
14.90	0.39	12,292	203.07	0.45
15.00	0.37	12,271	203.07	0.43
15.10	0.35	12,250	203.07	0.41
15.20	0.35	12,231	203.06	0.40
15.30	0.34	12,215	203.06	0.38
15.40	0.34	12,202	203.06	0.37
15.50	0.33	12,191	203.06	0.36

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.33	12,181	203.05	0.35
15.70	0.32	12,172	203.05	0.35
15.80	0.32	12,164	203.05	0.34
15.90	0.31	12,156	203.05	0.33
16.00	0.31	12,149	203.05	0.33
16.10	0.31	12,142	203.05	0.32
16.20	0.30	12,135	203.05	0.32
16.30	0.29	12,129	203.05	0.31
16.40	0.29	12,122	203.04	0.31
16.50	0.28	12,116	203.04	0.30
16.60	0.28	12,110	203.04	0.30
16.70	0.28	12,104	203.04	0.29
16.80	0.27	12,097	203.04	0.29
16.90	0.27	12,091	203.04	0.28
17.00	0.26	12,085	203.04	0.28
17.10	0.26	12,077	203.04	0.28
17.20	0.25	12,070	203.04	0.27
17.30	0.24	12,061	203.03	0.27
17.40	0.24	12,052	203.03	0.26
17.50	0.24	12,043	203.03	0.26
17.60	0.23	12,034	203.03	0.26
17.70	0.23	12,024	203.03	0.25
17.80	0.22	12,014	203.03	0.25
17.90	0.22	12,004	203.03	0.24
18.00	0.21	11,994	203.02	0.24
18.10	0.21	11,984	203.02	0.23
18.20	0.20	11,974	203.02	0.23
18.30	0.20	11,966	203.02	0.23
18.40	0.20	11,958	203.02	0.22
18.50	0.20	11,951	203.02	0.22
18.60	0.20	11,945	203.01	0.22
18.70	0.20	11,939	203.01	0.21
18.80	0.20	11,933	203.01	0.21
18.90	0.20	11,929	203.01	0.21
19.00	0.19	11,924	203.01	0.21
19.10	0.19	11,920	203.01	0.20
19.20	0.19	11,916	203.01	0.20
19.30	0.19	11,912	203.01	0.20
19.40	0.19	11,908	203.01	0.20
19.50	0.19	11,904	203.01	0.20
19.60	0.19	11,901	203.01	0.20
19.70	0.19	11,898	203.01	0.19
19.80	0.19	11,895	203.01	0.19
19.90	0.18	11,892	203.01	0.19
20.00	0.18	11,889	203.01	0.19
20.10	0.18	11,885	203.00	0.19
20.20	0.18	11,882	203.00	0.19
20.30	0.18	11,879	203.00	0.19
20.40	0.18	11,876	203.00	0.18
20.50	0.18	11,874	203.00	0.18
20.60	0.18	11,871	203.00	0.18
20.70	0.17	11,868	203.00	0.18

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	11,865	203.00	0.18
20.90	0.17	11,862	203.00	0.18
21.00	0.17	11,859	203.00	0.18
21.10	0.17	11,857	203.00	0.18
21.20	0.17	11,854	203.00	0.18
21.30	0.17	11,850	203.00	0.18
21.40	0.16	11,847	203.00	0.18
21.50	0.16	11,843	203.00	0.18
21.60	0.16	11,838	203.00	0.18
21.70	0.16	11,833	203.00	0.18
21.80	0.16	11,827	203.00	0.18
21.90	0.16	11,822	202.99	0.18
22.00	0.16	11,815	202.99	0.18
22.10	0.16	11,808	202.99	0.18
22.20	0.16	11,801	202.99	0.17
22.30	0.15	11,794	202.99	0.17
22.40	0.15	11,786	202.99	0.17
22.50	0.15	11,777	202.99	0.17
22.60	0.15	11,769	202.99	0.17
22.70	0.15	11,760	202.98	0.17
22.80	0.15	11,750	202.98	0.17
22.90	0.15	11,740	202.98	0.17
23.00	0.15	11,729	202.98	0.17
23.10	0.14	11,719	202.98	0.17
23.20	0.14	11,707	202.97	0.17
23.30	0.14	11,695	202.97	0.17
23.40	0.14	11,684	202.97	0.17
23.50	0.14	11,671	202.97	0.17
23.60	0.14	11,658	202.97	0.17
23.70	0.14	11,645	202.96	0.17
23.80	0.13	11,632	202.96	0.17
23.90	0.13	11,617	202.96	0.17
24.00	0.16	11,610	202.96	0.17
24.10	0.00	11,572	202.95	0.17
24.20	0.00	11,510	202.94	0.17
24.30	0.00	11,449	202.93	0.17
24.40	0.00	11,388	202.92	0.17
24.50	0.00	11,327	202.91	0.17
24.60	0.00	11,266	202.90	0.17
24.70	0.00	11,206	202.89	0.17
24.80	0.00	11,146	202.88	0.17
24.90	0.00	11,086	202.87	0.17
25.00	0.00	11,027	202.86	0.16
25.10	0.00	10,968	202.85	0.16
25.20	0.00	10,909	202.84	0.16
25.30	0.00	10,850	202.83	0.16
25.40	0.00	10,792	202.82	0.16
25.50	0.00	10,734	202.81	0.16
25.60	0.00	10,677	202.80	0.16
25.70	0.00	10,619	202.79	0.16
25.80	0.00	10,562	202.78	0.16
25.90	0.00	10,505	202.77	0.16

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,449	202.76	0.16
26.10	0.00	10,393	202.75	0.16
26.20	0.00	10,337	202.74	0.15
26.30	0.00	10,281	202.73	0.15
26.40	0.00	10,226	202.73	0.15
26.50	0.00	10,171	202.72	0.15
26.60	0.00	10,116	202.71	0.15
26.70	0.00	10,062	202.70	0.15
26.80	0.00	10,008	202.69	0.15
26.90	0.00	9,954	202.68	0.15
27.00	0.00	9,901	202.67	0.15
27.10	0.00	9,847	202.66	0.15
27.20	0.00	9,794	202.65	0.15
27.30	0.00	9,742	202.64	0.15
27.40	0.00	9,689	202.63	0.14
27.50	0.00	9,637	202.63	0.14
27.60	0.00	9,586	202.62	0.14
27.70	0.00	9,534	202.61	0.14
27.80	0.00	9,483	202.60	0.14
27.90	0.00	9,432	202.59	0.14
28.00	0.00	9,382	202.58	0.14
28.10	0.00	9,331	202.57	0.14
28.20	0.00	9,281	202.57	0.14
28.30	0.00	9,232	202.56	0.14
28.40	0.00	9,182	202.55	0.14
28.50	0.00	9,133	202.54	0.14
28.60	0.00	9,084	202.53	0.14
28.70	0.00	9,036	202.52	0.13
28.80	0.00	8,988	202.52	0.13
28.90	0.00	8,940	202.51	0.13
29.00	0.00	8,892	202.50	0.13
29.10	0.00	8,845	202.49	0.13
29.20	0.00	8,798	202.48	0.13
29.30	0.00	8,751	202.48	0.13
29.40	0.00	8,704	202.47	0.13
29.50	0.00	8,658	202.46	0.13
29.60	0.00	8,612	202.45	0.13
29.70	0.00	8,567	202.45	0.13
29.80	0.00	8,522	202.44	0.13
29.90	0.00	8,477	202.43	0.12
30.00	0.00	8,432	202.42	0.12
30.10	0.00	8,388	202.41	0.12
30.20	0.00	8,343	202.41	0.12
30.30	0.00	8,300	202.40	0.12
30.40	0.00	8,256	202.39	0.12
30.50	0.00	8,213	202.39	0.12
30.60	0.00	8,170	202.38	0.12
30.70	0.00	8,127	202.37	0.12
30.80	0.00	8,085	202.36	0.12
30.90	0.00	8,043	202.36	0.12
31.00	0.00	8,001	202.35	0.12
31.10	0.00	7,960	202.34	0.11

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,919	202.34	0.11
31.30	0.00	7,878	202.33	0.11
31.40	0.00	7,837	202.32	0.11
31.50	0.00	7,797	202.32	0.11
31.60	0.00	7,757	202.31	0.11
31.70	0.00	7,717	202.30	0.11
31.80	0.00	7,678	202.30	0.11
31.90	0.00	7,639	202.29	0.11
32.00	0.00	7,600	202.28	0.11
32.10	0.00	7,562	202.28	0.11
32.20	0.00	7,523	202.27	0.11
32.30	0.00	7,485	202.26	0.10
32.40	0.00	7,448	202.26	0.10
32.50	0.00	7,411	202.25	0.10
32.60	0.00	7,374	202.24	0.10
32.70	0.00	7,337	202.24	0.10
32.80	0.00	7,300	202.23	0.10
32.90	0.00	7,264	202.23	0.10
33.00	0.00	7,228	202.22	0.10
33.10	0.00	7,193	202.21	0.10
33.20	0.00	7,158	202.21	0.10
33.30	0.00	7,123	202.20	0.10
33.40	0.00	7,088	202.20	0.10
33.50	0.00	7,054	202.19	0.10
33.60	0.00	7,019	202.18	0.09
33.70	0.00	6,986	202.18	0.09
33.80	0.00	6,952	202.17	0.09
33.90	0.00	6,919	202.17	0.09
34.00	0.00	6,886	202.16	0.09
34.10	0.00	6,854	202.16	0.09
34.20	0.00	6,821	202.15	0.09
34.30	0.00	6,789	202.15	0.09
34.40	0.00	6,757	202.14	0.09
34.50	0.00	6,726	202.13	0.09
34.60	0.00	6,695	202.13	0.09
34.70	0.00	6,664	202.12	0.09
34.80	0.00	6,634	202.12	0.08
34.90	0.00	6,603	202.11	0.08
35.00	0.00	6,573	202.11	0.08
35.10	0.00	6,544	202.10	0.08
35.20	0.00	6,514	202.10	0.08
35.30	0.00	6,485	202.09	0.08
35.40	0.00	6,456	202.09	0.08
35.50	0.00	6,428	202.08	0.08
35.60	0.00	6,400	202.08	0.08
35.70	0.00	6,372	202.07	0.08
35.80	0.00	6,344	202.07	0.08
35.90	0.00	6,317	202.07	0.08
36.00	0.00	6,290	202.06	0.07
36.10	0.00	6,263	202.06	0.07
36.20	0.00	6,237	202.05	0.07
36.30	0.00	6,211	202.05	0.07

Hydrograph for Pond B-12: Basin #12 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,185	202.04	0.07
36.50	0.00	6,159	202.04	0.07
36.60	0.00	6,134	202.03	0.07
36.70	0.00	6,109	202.03	0.07
36.80	0.00	6,085	202.03	0.07
36.90	0.00	6,060	202.02	0.07
37.00	0.00	6,036	202.02	0.07
37.10	0.00	6,012	202.01	0.07
37.20	0.00	5,989	202.01	0.06
37.30	0.00	5,966	202.01	0.06
37.40	0.00	5,943	202.00	0.06
37.50	0.00	5,920	202.00	0.06
37.60	0.00	5,898	201.99	0.06
37.70	0.00	5,876	201.99	0.06
37.80	0.00	5,854	201.99	0.06
37.90	0.00	5,833	201.98	0.06
38.00	0.00	5,812	201.98	0.06
38.10	0.00	5,791	201.98	0.06
38.20	0.00	5,771	201.97	0.06
38.30	0.00	5,750	201.97	0.06
38.40	0.00	5,731	201.97	0.05
38.50	0.00	5,711	201.96	0.05
38.60	0.00	5,692	201.96	0.05
38.70	0.00	5,672	201.96	0.05
38.80	0.00	5,654	201.95	0.05
38.90	0.00	5,635	201.95	0.05
39.00	0.00	5,617	201.95	0.05
39.10	0.00	5,599	201.94	0.05
39.20	0.00	5,582	201.94	0.05
39.30	0.00	5,565	201.94	0.05
39.40	0.00	5,548	201.94	0.05
39.50	0.00	5,531	201.93	0.05
39.60	0.00	5,515	201.93	0.04
39.70	0.00	5,499	201.93	0.04
39.80	0.00	5,483	201.93	0.04
39.90	0.00	5,468	201.92	0.04
40.00	0.00	5,453	201.92	0.04

Stage-Discharge for Pond B-12: Basin #12

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.00	0.00	201.52	0.00	202.04	0.07	202.56	0.14
201.01	0.00	201.53	0.00	202.05	0.07	202.57	0.14
201.02	0.00	201.54	0.00	202.06	0.07	202.58	0.14
201.03	0.00	201.55	0.00	202.07	0.08	202.59	0.14
201.04	0.00	201.56	0.00	202.08	0.08	202.60	0.14
201.05	0.00	201.57	0.00	202.09	0.08	202.61	0.14
201.06	0.00	201.58	0.00	202.10	0.08	202.62	0.14
201.07	0.00	201.59	0.00	202.11	0.08	202.63	0.14
201.08	0.00	201.60	0.00	202.12	0.08	202.64	0.15
201.09	0.00	201.61	0.00	202.13	0.09	202.65	0.15
201.10	0.00	201.62	0.00	202.14	0.09	202.66	0.15
201.11	0.00	201.63	0.00	202.15	0.09	202.67	0.15
201.12	0.00	201.64	0.00	202.16	0.09	202.68	0.15
201.13	0.00	201.65	0.00	202.17	0.09	202.69	0.15
201.14	0.00	201.66	0.00	202.18	0.09	202.70	0.15
201.15	0.00	201.67	0.00	202.19	0.10	202.71	0.15
201.16	0.00	201.68	0.00	202.20	0.10	202.72	0.15
201.17	0.00	201.69	0.00	202.21	0.10	202.73	0.15
201.18	0.00	201.70	0.00	202.22	0.10	202.74	0.15
201.19	0.00	201.71	0.00	202.23	0.10	202.75	0.16
201.20	0.00	201.72	0.00	202.24	0.10	202.76	0.16
201.21	0.00	201.73	0.00	202.25	0.10	202.77	0.16
201.22	0.00	201.74	0.00	202.26	0.10	202.78	0.16
201.23	0.00	201.75	0.00	202.27	0.11	202.79	0.16
201.24	0.00	201.76	0.00	202.28	0.11	202.80	0.16
201.25	0.00	201.77	0.00	202.29	0.11	202.81	0.16
201.26	0.00	201.78	0.00	202.30	0.11	202.82	0.16
201.27	0.00	201.79	0.00	202.31	0.11	202.83	0.16
201.28	0.00	201.80	0.00	202.32	0.11	202.84	0.16
201.29	0.00	201.81	0.01	202.33	0.11	202.85	0.16
201.30	0.00	201.82	0.01	202.34	0.11	202.86	0.16
201.31	0.00	201.83	0.01	202.35	0.12	202.87	0.17
201.32	0.00	201.84	0.01	202.36	0.12	202.88	0.17
201.33	0.00	201.85	0.02	202.37	0.12	202.89	0.17
201.34	0.00	201.86	0.02	202.38	0.12	202.90	0.17
201.35	0.00	201.87	0.02	202.39	0.12	202.91	0.17
201.36	0.00	201.88	0.03	202.40	0.12	202.92	0.17
201.37	0.00	201.89	0.03	202.41	0.12	202.93	0.17
201.38	0.00	201.90	0.03	202.42	0.12	202.94	0.17
201.39	0.00	201.91	0.04	202.43	0.12	202.95	0.17
201.40	0.00	201.92	0.04	202.44	0.13	202.96	0.17
201.41	0.00	201.93	0.05	202.45	0.13	202.97	0.17
201.42	0.00	201.94	0.05	202.46	0.13	202.98	0.17
201.43	0.00	201.95	0.05	202.47	0.13	202.99	0.17
201.44	0.00	201.96	0.05	202.48	0.13	203.00	0.18
201.45	0.00	201.97	0.06	202.49	0.13	203.01	0.19
201.46	0.00	201.98	0.06	202.50	0.13	203.02	0.21
201.47	0.00	201.99	0.06	202.51	0.13	203.03	0.25
201.48	0.00	202.00	0.06	202.52	0.13	203.04	0.28
201.49	0.00	202.01	0.06	202.53	0.13	203.05	0.33
201.50	0.00	202.02	0.07	202.54	0.14	203.06	0.37
201.51	0.00	202.03	0.07	202.55	0.14	203.07	0.42

Stage-Discharge for Pond B-12: Basin #12 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.08	0.48	203.60	6.11	204.12	14.88	204.64	22.37
203.09	0.53	203.61	6.26	204.13	15.07	204.65	23.06
203.10	0.59	203.62	6.41	204.14	15.26	204.66	23.77
203.11	0.66	203.63	6.55	204.15	15.45	204.67	24.50
203.12	0.73	203.64	6.70	204.16	15.64	204.68	25.26
203.13	0.79	203.65	6.85	204.17	15.70	204.69	26.03
203.14	0.87	203.66	7.00	204.18	15.71	204.70	26.83
203.15	0.94	203.67	7.15	204.19	15.72	204.71	27.69
203.16	1.02	203.68	7.31	204.20	15.73	204.72	28.57
203.17	1.10	203.69	7.46	204.21	15.74	204.73	29.48
203.18	1.18	203.70	7.62	204.22	15.75	204.74	30.41
203.19	1.26	203.71	7.77	204.23	15.76	204.75	31.37
203.20	1.35	203.72	7.93	204.24	15.77	204.76	32.36
203.21	1.44	203.73	8.09	204.25	15.78	204.77	33.37
203.22	1.53	203.74	8.24	204.26	15.79	204.78	34.40
203.23	1.62	203.75	8.40	204.27	15.81	204.79	35.46
203.24	1.71	203.76	8.56	204.28	15.82	204.80	36.54
203.25	1.81	203.77	8.72	204.29	15.83	204.81	37.65
203.26	1.91	203.78	8.89	204.30	15.84	204.82	38.78
203.27	2.01	203.79	9.05	204.31	15.85	204.83	39.94
203.28	2.11	203.80	9.21	204.32	15.86	204.84	41.12
203.29	2.21	203.81	9.38	204.33	15.87	204.85	42.32
203.30	2.31	203.82	9.54	204.34	15.88	204.86	43.55
203.31	2.42	203.83	9.71	204.35	15.89	204.87	44.80
203.32	2.53	203.84	9.88	204.36	15.90	204.88	46.08
203.33	2.64	203.85	10.05	204.37	15.91	204.89	47.38
203.34	2.75	203.86	10.22	204.38	15.92	204.90	48.71
203.35	2.86	203.87	10.39	204.39	15.94	204.91	50.08
203.36	2.98	203.88	10.56	204.40	15.95	204.92	51.48
203.37	3.09	203.89	10.73	204.41	15.96	204.93	52.91
203.38	3.21	203.90	10.90	204.42	15.97	204.94	54.37
203.39	3.33	203.91	11.07	204.43	15.98	204.95	55.85
203.40	3.45	203.92	11.25	204.44	15.99	204.96	57.35
203.41	3.57	203.93	11.42	204.45	16.00	204.97	58.89
203.42	3.69	203.94	11.60	204.46	16.01	204.98	60.45
203.43	3.81	203.95	11.77	204.47	16.02	204.99	62.03
203.44	3.94	203.96	11.95	204.48	16.03	205.00	**63.65**
203.45	4.07	203.97	12.13	204.49	16.04		
203.46	4.19	203.98	12.31	204.50	16.05		
203.47	4.32	203.99	12.49	204.51	16.18		
203.48	4.45	204.00	12.67	204.52	16.41		
203.49	4.59	204.01	12.85	204.53	16.69		
203.50	4.72	204.02	13.03	204.54	17.03		
203.51	4.85	204.03	13.21	204.55	17.42		
203.52	4.99	204.04	13.39	204.56	17.84		
203.53	5.13	204.05	13.58	204.57	18.30		
203.54	5.26	204.06	13.76	204.58	18.80		
203.55	5.40	204.07	13.95	204.59	19.32		
203.56	5.54	204.08	14.13	204.60	19.88		
203.57	5.68	204.09	14.32	204.61	20.46		
203.58	5.83	204.10	14.51	204.62	21.07		
203.59	5.97	204.11	14.69	204.63	21.71		

Stage-Area-Storage for Pond B-12: Basin #12

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.00	**5,928**	0
201.01	5,928	59
201.02	5,928	119
201.03	5,928	178
201.04	5,928	237
201.05	5,928	296
201.06	5,928	356
201.07	5,928	415
201.08	5,928	474
201.09	5,928	534
201.10	5,928	593
201.11	5,928	652
201.12	5,928	711
201.13	5,928	771
201.14	5,928	830
201.15	5,928	889
201.16	5,928	948
201.17	5,928	1,008
201.18	5,928	1,067
201.19	5,928	1,126
201.20	5,928	1,186
201.21	5,928	1,245
201.22	5,928	1,304
201.23	5,928	1,363
201.24	5,928	1,423
201.25	5,928	1,482
201.26	5,928	1,541
201.27	5,928	1,601
201.28	5,928	1,660
201.29	5,928	1,719
201.30	5,928	1,778
201.31	5,928	1,838
201.32	5,928	1,897
201.33	5,928	1,956
201.34	5,928	2,016
201.35	5,928	2,075
201.36	5,928	2,134
201.37	5,928	2,193
201.38	5,928	2,253
201.39	5,928	2,312
201.40	5,928	2,371
201.41	5,928	2,430
201.42	5,928	2,490
201.43	5,928	2,549
201.44	5,928	2,608
201.45	5,928	2,668
201.46	5,928	2,727
201.47	5,928	2,786
201.48	5,928	2,845
201.49	5,928	2,905
201.50	5,928	2,964
201.51	5,928	3,023
201.52	5,928	3,083
201.53	5,928	3,142
201.54	5,928	3,201
201.55	5,928	3,260
201.56	5,928	3,320
201.57	5,928	3,379
201.58	5,928	3,438
201.59	5,928	3,498
201.60	5,928	3,557
201.61	5,928	3,616
201.62	5,928	3,675
201.63	5,928	3,735
201.64	5,928	3,794
201.65	5,928	3,853
201.66	5,928	3,912
201.67	5,928	3,972
201.68	5,928	4,031
201.69	5,928	4,090
201.70	5,928	4,150
201.71	5,928	4,209
201.72	5,928	4,268
201.73	5,928	4,327
201.74	5,928	4,387
201.75	5,928	4,446
201.76	5,928	4,505
201.77	5,928	4,565
201.78	5,928	4,624
201.79	5,928	4,683
201.80	5,928	4,742
201.81	5,928	4,802
201.82	5,928	4,861
201.83	5,928	4,920
201.84	5,928	4,980
201.85	5,928	5,039
201.86	5,928	5,098
201.87	5,928	5,157
201.88	5,928	5,217
201.89	5,928	5,276
201.90	5,928	5,335
201.91	5,928	5,394
201.92	5,928	5,454
201.93	5,928	5,513
201.94	5,928	5,572
201.95	5,928	5,632
201.96	5,928	5,691
201.97	5,928	5,750
201.98	5,928	5,809
201.99	5,928	5,869
202.00	5,928	5,928
202.01	5,928	5,987
202.02	5,928	6,047
202.03	5,928	6,106

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.04	5,928	6,165	202.56	5,928	9,248
202.05	5,928	6,224	202.57	5,928	9,307
202.06	5,928	6,284	202.58	5,928	9,366
202.07	5,928	6,343	202.59	5,928	9,426
202.08	5,928	6,402	202.60	5,928	9,485
202.09	5,928	6,462	202.61	5,928	9,544
202.10	5,928	6,521	202.62	5,928	9,603
202.11	5,928	6,580	202.63	5,928	9,663
202.12	5,928	6,639	202.64	5,928	9,722
202.13	5,928	6,699	202.65	5,928	9,781
202.14	5,928	6,758	202.66	5,928	9,840
202.15	5,928	6,817	202.67	5,928	9,900
202.16	5,928	6,876	202.68	5,928	9,959
202.17	5,928	6,936	202.69	5,928	10,018
202.18	5,928	6,995	202.70	5,928	10,078
202.19	5,928	7,054	202.71	5,928	10,137
202.20	5,928	7,114	202.72	5,928	10,196
202.21	5,928	7,173	202.73	5,928	10,255
202.22	5,928	7,232	202.74	5,928	10,315
202.23	5,928	7,291	202.75	5,928	10,374
202.24	5,928	7,351	202.76	5,928	10,433
202.25	5,928	7,410	202.77	5,928	10,493
202.26	5,928	7,469	202.78	5,928	10,552
202.27	5,928	7,529	202.79	5,928	10,611
202.28	5,928	7,588	202.80	5,928	10,670
202.29	5,928	7,647	202.81	5,928	10,730
202.30	5,928	7,706	202.82	5,928	10,789
202.31	5,928	7,766	202.83	5,928	10,848
202.32	5,928	7,825	202.84	5,928	10,908
202.33	5,928	7,884	202.85	5,928	10,967
202.34	5,928	7,944	202.86	5,928	11,026
202.35	5,928	8,003	202.87	5,928	11,085
202.36	5,928	8,062	202.88	5,928	11,145
202.37	5,928	8,121	202.89	5,928	11,204
202.38	5,928	8,181	202.90	5,928	11,263
202.39	5,928	8,240	202.91	5,928	11,322
202.40	5,928	8,299	202.92	5,928	11,382
202.41	5,928	8,358	202.93	5,928	11,441
202.42	5,928	8,418	202.94	5,928	11,500
202.43	5,928	8,477	202.95	5,928	11,560
202.44	5,928	8,536	202.96	5,928	11,619
202.45	5,928	8,596	202.97	5,928	11,678
202.46	5,928	8,655	202.98	5,928	11,737
202.47	5,928	8,714	202.99	5,928	11,797
202.48	5,928	8,773	203.00	5,928	11,856
202.49	5,928	8,833	203.01	5,928	11,915
202.50	5,928	8,892	203.02	5,928	11,975
202.51	5,928	8,951	203.03	5,928	12,034
202.52	5,928	9,011	203.04	5,928	12,093
202.53	5,928	9,070	203.05	5,928	12,152
202.54	5,928	9,129	203.06	5,928	12,212
202.55	5,928	9,188	203.07	5,928	12,271

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.08	5,928	12,330	203.60	5,928	15,413
203.09	5,928	12,390	203.61	5,928	15,472
203.10	5,928	12,449	203.62	5,928	15,531
203.11	5,928	12,508	203.63	5,928	15,591
203.12	5,928	12,567	203.64	5,928	15,650
203.13	5,928	12,627	203.65	5,928	15,709
203.14	5,928	12,686	203.66	5,928	15,768
203.15	5,928	12,745	203.67	5,928	15,828
203.16	5,928	12,804	203.68	5,928	15,887
203.17	5,928	12,864	203.69	5,928	15,946
203.18	5,928	12,923	203.70	5,928	16,006
203.19	5,928	12,982	203.71	5,928	16,065
203.20	5,928	13,042	203.72	5,928	16,124
203.21	5,928	13,101	203.73	5,928	16,183
203.22	5,928	13,160	203.74	5,928	16,243
203.23	5,928	13,219	203.75	5,928	16,302
203.24	5,928	13,279	203.76	5,928	16,361
203.25	5,928	13,338	203.77	5,928	16,421
203.26	5,928	13,397	203.78	5,928	16,480
203.27	5,928	13,457	203.79	5,928	16,539
203.28	5,928	13,516	203.80	5,928	16,598
203.29	5,928	13,575	203.81	5,928	16,658
203.30	5,928	13,634	203.82	5,928	16,717
203.31	5,928	13,694	203.83	5,928	16,776
203.32	5,928	13,753	203.84	5,928	16,836
203.33	5,928	13,812	203.85	5,928	16,895
203.34	5,928	13,872	203.86	5,928	16,954
203.35	5,928	13,931	203.87	5,928	17,013
203.36	5,928	13,990	203.88	5,928	17,073
203.37	5,928	14,049	203.89	5,928	17,132
203.38	5,928	14,109	203.90	5,928	17,191
203.39	5,928	14,168	203.91	5,928	17,250
203.40	5,928	14,227	203.92	5,928	17,310
203.41	5,928	14,286	203.93	5,928	17,369
203.42	5,928	14,346	203.94	5,928	17,428
203.43	5,928	14,405	203.95	5,928	17,488
203.44	5,928	14,464	203.96	5,928	17,547
203.45	5,928	14,524	203.97	5,928	17,606
203.46	5,928	14,583	203.98	5,928	17,665
203.47	5,928	14,642	203.99	5,928	17,725
203.48	5,928	14,701	204.00	5,928	17,784
203.49	5,928	14,761	204.01	5,928	17,843
203.50	5,928	14,820	204.02	5,928	17,903
203.51	5,928	14,879	204.03	5,928	17,962
203.52	5,928	14,939	204.04	5,928	18,021
203.53	5,928	14,998	204.05	5,928	18,080
203.54	5,928	15,057	204.06	5,928	18,140
203.55	5,928	15,116	204.07	5,928	18,199
203.56	5,928	15,176	204.08	5,928	18,258
203.57	5,928	15,235	204.09	5,928	18,318
203.58	5,928	15,294	204.10	5,928	18,377
203.59	5,928	15,354	204.11	5,928	18,436

Stage-Area-Storage for Pond B-12: Basin #12 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.12	5,928	18,495
204.13	5,928	18,555
204.14	5,928	18,614
204.15	5,928	18,673
204.16	5,928	18,732
204.17	5,928	18,792
204.18	5,928	18,851
204.19	5,928	18,910
204.20	5,928	18,970
204.21	5,928	19,029
204.22	5,928	19,088
204.23	5,928	19,147
204.24	5,928	19,207
204.25	5,928	19,266
204.26	5,928	19,325
204.27	5,928	19,385
204.28	5,928	19,444
204.29	5,928	19,503
204.30	5,928	19,562
204.31	5,928	19,622
204.32	5,928	19,681
204.33	5,928	19,740
204.34	5,928	19,800
204.35	5,928	19,859
204.36	5,928	19,918
204.37	5,928	19,977
204.38	5,928	20,037
204.39	5,928	20,096
204.40	5,928	20,155
204.41	5,928	20,214
204.42	5,928	20,274
204.43	5,928	20,333
204.44	5,928	20,392
204.45	5,928	20,452
204.46	5,928	20,511
204.47	5,928	20,570
204.48	5,928	20,629
204.49	5,928	20,689
204.50	5,928	20,748
204.51	5,928	20,807
204.52	5,928	20,867
204.53	5,928	20,926
204.54	5,928	20,985
204.55	5,928	21,044
204.56	5,928	21,104
204.57	5,928	21,163
204.58	5,928	21,222
204.59	5,928	21,282
204.60	5,928	21,341
204.61	5,928	21,400
204.62	5,928	21,459
204.63	5,928	21,519
204.64	5,928	21,578
204.65	5,928	21,637
204.66	5,928	21,696
204.67	5,928	21,756
204.68	5,928	21,815
204.69	5,928	21,874
204.70	5,928	21,934
204.71	5,928	21,993
204.72	5,928	22,052
204.73	5,928	22,111
204.74	5,928	22,171
204.75	5,928	22,230
204.76	5,928	22,289
204.77	5,928	22,349
204.78	5,928	22,408
204.79	5,928	22,467
204.80	5,928	22,526
204.81	5,928	22,586
204.82	5,928	22,645
204.83	5,928	22,704
204.84	5,928	22,764
204.85	5,928	22,823
204.86	5,928	22,882
204.87	5,928	22,941
204.88	5,928	23,001
204.89	5,928	23,060
204.90	5,928	23,119
204.91	5,928	23,178
204.92	5,928	23,238
204.93	5,928	23,297
204.94	5,928	23,356
204.95	5,928	23,416
204.96	5,928	23,475
204.97	5,928	23,534
204.98	5,928	23,593
204.99	5,928	23,653
205.00	5,928	**23,712**

Summary for Pond B-13: Basin #13

Inflow Area = 2.350 ac, 62.43% Impervious, Inflow Depth = 4.62" for Future 10 yr event
Inflow = 11.87 cfs @ 12.11 hrs, Volume= 0.904 af
Outflow = 0.55 cfs @ 14.11 hrs, Volume= 0.539 af, Atten= 95%, Lag= 119.9 min
Primary = 0.55 cfs @ 14.11 hrs, Volume= 0.539 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.58' @ 14.11 hrs Surf.Area= 10,996 sf Storage= 28,405 cf

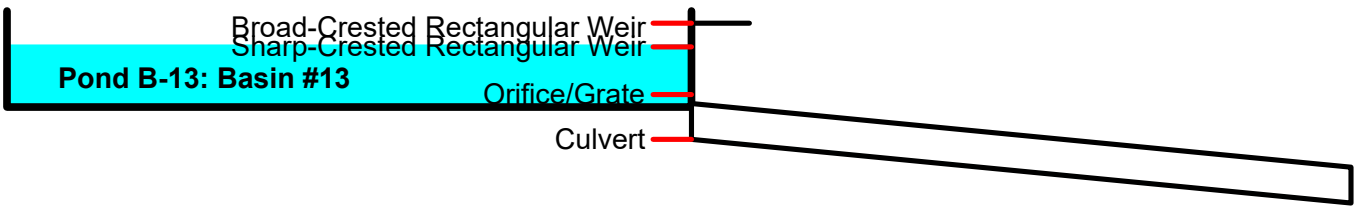
Plug-Flow detention time= 767.4 min calculated for 0.538 af (60% of inflow)
Center-of-Mass det. time= 653.7 min (1,421.2 - 767.5)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	43,984 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

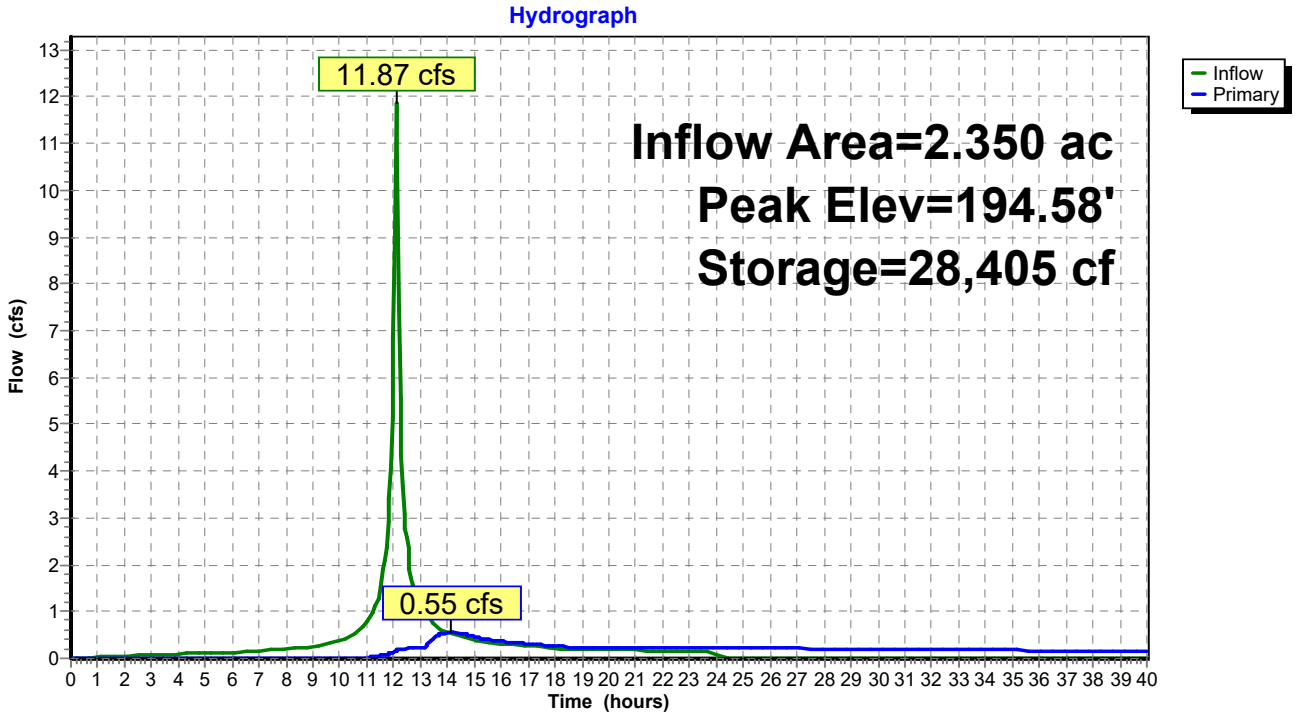
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	10,996	0	0
193.00	10,996	10,996	10,996
194.00	10,996	10,996	21,992
195.00	10,996	10,996	32,988
196.00	10,996	10,996	43,984

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 57.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0465 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.54 cfs @ 14.11 hrs HW=194.58' (Free Discharge)
- **1=Culvert** (Passes 0.54 cfs of 15.18 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.74 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.31 cfs @ 0.94 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-13: Basin #13



Hydrograph for Pond B-13: Basin #13

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	1	192.00	0.00
0.90	0.01	4	192.00	0.00
1.00	0.01	8	192.00	0.00
1.10	0.02	14	192.00	0.00
1.20	0.02	22	192.00	0.00
1.30	0.03	31	192.00	0.00
1.40	0.03	42	192.00	0.00
1.50	0.04	55	192.00	0.00
1.60	0.04	68	192.01	0.00
1.70	0.04	83	192.01	0.00
1.80	0.05	99	192.01	0.00
1.90	0.05	116	192.01	0.00
2.00	0.05	135	192.01	0.00
2.10	0.06	154	192.01	0.00
2.20	0.06	174	192.02	0.00
2.30	0.06	196	192.02	0.00
2.40	0.06	218	192.02	0.00
2.50	0.07	241	192.02	0.00
2.60	0.07	265	192.02	0.00
2.70	0.07	290	192.03	0.00
2.80	0.07	316	192.03	0.00
2.90	0.07	343	192.03	0.00
3.00	0.08	370	192.03	0.00
3.10	0.08	398	192.04	0.00
3.20	0.08	427	192.04	0.00
3.30	0.08	456	192.04	0.00
3.40	0.08	486	192.04	0.00
3.50	0.09	517	192.05	0.00
3.60	0.09	549	192.05	0.00
3.70	0.09	581	192.05	0.00
3.80	0.09	614	192.06	0.00
3.90	0.09	647	192.06	0.00
4.00	0.10	681	192.06	0.00
4.10	0.10	716	192.07	0.00
4.20	0.10	751	192.07	0.00
4.30	0.10	787	192.07	0.00
4.40	0.10	823	192.07	0.00
4.50	0.10	860	192.08	0.00
4.60	0.10	897	192.08	0.00
4.70	0.11	935	192.09	0.00
4.80	0.11	973	192.09	0.00
4.90	0.11	1,012	192.09	0.00
5.00	0.11	1,052	192.10	0.00
5.10	0.11	1,092	192.10	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,132	192.10	0.00
5.30	0.11	1,173	192.11	0.00
5.40	0.12	1,214	192.11	0.00
5.50	0.12	1,256	192.11	0.00
5.60	0.12	1,298	192.12	0.00
5.70	0.12	1,341	192.12	0.00
5.80	0.12	1,384	192.13	0.00
5.90	0.12	1,428	192.13	0.00
6.00	0.12	1,472	192.13	0.00
6.10	0.13	1,517	192.14	0.00
6.20	0.13	1,563	192.14	0.00
6.30	0.13	1,610	192.15	0.00
6.40	0.14	1,659	192.15	0.00
6.50	0.14	1,709	192.16	0.00
6.60	0.14	1,760	192.16	0.00
6.70	0.15	1,812	192.16	0.00
6.80	0.15	1,866	192.17	0.00
6.90	0.15	1,921	192.17	0.00
7.00	0.16	1,977	192.18	0.00
7.10	0.16	2,035	192.19	0.00
7.20	0.17	2,093	192.19	0.00
7.30	0.17	2,154	192.20	0.00
7.40	0.17	2,215	192.20	0.00
7.50	0.18	2,278	192.21	0.00
7.60	0.18	2,342	192.21	0.00
7.70	0.18	2,407	192.22	0.00
7.80	0.19	2,474	192.22	0.00
7.90	0.19	2,542	192.23	0.00
8.00	0.19	2,611	192.24	0.00
8.10	0.20	2,681	192.24	0.00
8.20	0.20	2,753	192.25	0.00
8.30	0.21	2,827	192.26	0.00
8.40	0.21	2,902	192.26	0.00
8.50	0.22	2,979	192.27	0.00
8.60	0.22	3,057	192.28	0.00
8.70	0.23	3,137	192.29	0.00
8.80	0.23	3,219	192.29	0.00
8.90	0.23	3,303	192.30	0.00
9.00	0.24	3,388	192.31	0.00
9.10	0.25	3,477	192.32	0.00
9.20	0.27	3,570	192.32	0.00
9.30	0.28	3,669	192.33	0.00
9.40	0.30	3,773	192.34	0.00
9.50	0.31	3,882	192.35	0.00
9.60	0.33	3,997	192.36	0.00
9.70	0.34	4,118	192.37	0.00
9.80	0.36	4,244	192.39	0.00
9.90	0.38	4,376	192.40	0.00
10.00	0.39	4,514	192.41	0.00
10.10	0.41	4,658	192.42	0.00
10.20	0.43	4,808	192.44	0.00
10.30	0.44	4,964	192.45	0.00

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.46	5,127	192.47	0.00
10.50	0.48	5,295	192.48	0.00
10.60	0.53	5,475	192.50	0.00
10.70	0.58	5,674	192.52	0.00
10.80	0.64	5,895	192.54	0.00
10.90	0.71	6,136	192.56	0.00
11.00	0.77	6,399	192.58	0.01
11.10	0.87	6,689	192.61	0.01
11.20	0.99	7,015	192.64	0.02
11.30	1.10	7,380	192.67	0.04
11.40	1.23	7,783	192.71	0.05
11.50	1.33	8,224	192.75	0.06
11.60	1.92	8,772	192.80	0.07
11.70	2.22	9,496	192.86	0.08
11.80	2.91	10,373	192.94	0.09
11.90	4.08	11,581	193.05	0.11
12.00	6.86	13,455	193.22	0.13
12.10	**11.71**	16,677	193.52	0.16
12.20	7.48	20,322	193.85	0.18
12.30	4.36	22,319	194.03	0.19
12.40	3.05	23,573	194.14	0.20
12.50	2.60	24,504	194.23	0.21
12.60	1.93	25,258	194.30	0.21
12.70	1.60	25,806	194.35	0.22
12.80	1.45	26,276	194.39	0.22
12.90	1.31	26,694	194.43	0.22
13.00	1.18	27,063	194.46	0.22
13.10	1.05	27,384	194.49	0.22
13.20	0.95	27,659	194.52	0.25
13.30	0.88	27,885	194.54	0.33
13.40	0.81	28,061	194.55	0.39
13.50	0.74	28,190	194.56	0.44
13.60	0.67	28,276	194.57	0.48
13.70	0.63	28,329	194.58	0.51
13.80	0.61	28,364	194.58	0.53
13.90	0.59	28,387	194.58	0.54
14.00	0.57	28,400	194.58	0.55
14.10	0.55	**28,405**	**194.58**	**0.55**
14.20	0.53	28,402	194.58	0.55
14.30	0.51	28,394	194.58	0.54
14.40	0.49	28,382	194.58	0.54
14.50	0.48	28,365	194.58	0.53
14.60	0.46	28,345	194.58	0.52
14.70	0.44	28,321	194.58	0.51
14.80	0.42	28,296	194.57	0.49
14.90	0.40	28,269	194.57	0.48
15.00	0.38	28,240	194.57	0.47
15.10	0.36	28,209	194.57	0.45
15.20	0.35	28,179	194.56	0.43
15.30	0.35	28,151	194.56	0.42
15.40	0.34	28,126	194.56	0.41
15.50	0.34	28,102	194.56	0.40

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.33	28,079	194.55	0.39
15.70	0.33	28,058	194.55	0.39
15.80	0.32	28,037	194.55	0.38
15.90	0.32	28,017	194.55	0.37
16.00	0.31	27,998	194.55	0.37
16.10	0.31	27,979	194.54	0.36
16.20	0.30	27,961	194.54	0.35
16.30	0.30	27,944	194.54	0.35
16.40	0.29	27,927	194.54	0.34
16.50	0.29	27,910	194.54	0.33
16.60	0.28	27,894	194.54	0.33
16.70	0.28	27,878	194.54	0.32
16.80	0.27	27,862	194.53	0.32
16.90	0.27	27,846	194.53	0.31
17.00	0.26	27,831	194.53	0.31
17.10	0.26	27,816	194.53	0.30
17.20	0.25	27,801	194.53	0.30
17.30	0.25	27,786	194.53	0.29
17.40	0.24	27,770	194.53	0.28
17.50	0.24	27,756	194.52	0.28
17.60	0.23	27,741	194.52	0.27
17.70	0.23	27,726	194.52	0.27
17.80	0.22	27,712	194.52	0.26
17.90	0.22	27,697	194.52	0.26
18.00	0.21	27,681	194.52	0.26
18.10	0.21	27,665	194.52	0.26
18.20	0.21	27,648	194.51	0.25
18.30	0.20	27,631	194.51	0.25
18.40	0.20	27,615	194.51	0.25
18.50	0.20	27,600	194.51	0.24
18.60	0.20	27,585	194.51	0.24
18.70	0.20	27,570	194.51	0.24
18.80	0.20	27,556	194.51	0.24
18.90	0.20	27,543	194.50	0.23
19.00	0.20	27,529	194.50	0.23
19.10	0.19	27,517	194.50	0.23
19.20	0.19	27,504	194.50	0.23
19.30	0.19	27,492	194.50	0.23
19.40	0.19	27,480	194.50	0.22
19.50	0.19	27,467	194.50	0.22
19.60	0.19	27,454	194.50	0.22
19.70	0.19	27,440	194.50	0.22
19.80	0.19	27,427	194.49	0.22
19.90	0.18	27,413	194.49	0.22
20.00	0.18	27,398	194.49	0.22
20.10	0.18	27,383	194.49	0.22
20.20	0.18	27,367	194.49	0.22
20.30	0.18	27,351	194.49	0.22
20.40	0.18	27,335	194.49	0.22
20.50	0.18	27,318	194.48	0.22
20.60	0.18	27,301	194.48	0.22
20.70	0.17	27,283	194.48	0.22

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	27,265	194.48	0.22
20.90	0.17	27,247	194.48	0.22
21.00	0.17	27,228	194.48	0.22
21.10	0.17	27,209	194.47	0.22
21.20	0.17	27,189	194.47	0.22
21.30	0.17	27,169	194.47	0.22
21.40	0.17	27,149	194.47	0.22
21.50	0.16	27,128	194.47	0.22
21.60	0.16	27,106	194.47	0.22
21.70	0.16	27,084	194.46	0.22
21.80	0.16	27,062	194.46	0.22
21.90	0.16	27,040	194.46	0.22
22.00	0.16	27,017	194.46	0.22
22.10	0.16	26,993	194.45	0.22
22.20	0.16	26,970	194.45	0.22
22.30	0.15	26,945	194.45	0.22
22.40	0.15	26,921	194.45	0.22
22.50	0.15	26,896	194.45	0.22
22.60	0.15	26,870	194.44	0.22
22.70	0.15	26,845	194.44	0.22
22.80	0.15	26,818	194.44	0.22
22.90	0.15	26,792	194.44	0.22
23.00	0.15	26,765	194.43	0.22
23.10	0.14	26,737	194.43	0.22
23.20	0.14	26,709	194.43	0.22
23.30	0.14	26,681	194.43	0.22
23.40	0.14	26,652	194.42	0.22
23.50	0.14	26,624	194.42	0.22
23.60	0.14	26,594	194.42	0.22
23.70	0.14	26,564	194.42	0.22
23.80	0.13	26,534	194.41	0.22
23.90	0.13	26,503	194.41	0.22
24.00	0.15	26,476	194.41	0.22
24.10	0.06	26,438	194.40	0.22
24.20	0.01	26,369	194.40	0.22
24.30	0.00	26,292	194.39	0.22
24.40	0.00	26,213	194.38	0.22
24.50	0.00	26,135	194.38	0.22
24.60	0.00	26,057	194.37	0.22
24.70	0.00	25,979	194.36	0.22
24.80	0.00	25,901	194.36	0.22
24.90	0.00	25,824	194.35	0.22
25.00	0.00	25,746	194.34	0.22
25.10	0.00	25,669	194.33	0.21
25.20	0.00	25,591	194.33	0.21
25.30	0.00	25,514	194.32	0.21
25.40	0.00	25,438	194.31	0.21
25.50	0.00	25,361	194.31	0.21
25.60	0.00	25,284	194.30	0.21
25.70	0.00	25,208	194.29	0.21
25.80	0.00	25,132	194.29	0.21
25.90	0.00	25,056	194.28	0.21

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	24,980	194.27	0.21
26.10	0.00	24,904	194.26	0.21
26.20	0.00	24,828	194.26	0.21
26.30	0.00	24,753	194.25	0.21
26.40	0.00	24,678	194.24	0.21
26.50	0.00	24,602	194.24	0.21
26.60	0.00	24,527	194.23	0.21
26.70	0.00	24,453	194.22	0.21
26.80	0.00	24,378	194.22	0.21
26.90	0.00	24,303	194.21	0.21
27.00	0.00	24,229	194.20	0.21
27.10	0.00	24,155	194.20	0.21
27.20	0.00	24,081	194.19	0.21
27.30	0.00	24,007	194.18	0.20
27.40	0.00	23,933	194.18	0.20
27.50	0.00	23,860	194.17	0.20
27.60	0.00	23,786	194.16	0.20
27.70	0.00	23,713	194.16	0.20
27.80	0.00	23,640	194.15	0.20
27.90	0.00	23,567	194.14	0.20
28.00	0.00	23,495	194.14	0.20
28.10	0.00	23,422	194.13	0.20
28.20	0.00	23,350	194.12	0.20
28.30	0.00	23,277	194.12	0.20
28.40	0.00	23,205	194.11	0.20
28.50	0.00	23,133	194.10	0.20
28.60	0.00	23,061	194.10	0.20
28.70	0.00	22,990	194.09	0.20
28.80	0.00	22,918	194.08	0.20
28.90	0.00	22,847	194.08	0.20
29.00	0.00	22,776	194.07	0.20
29.10	0.00	22,705	194.06	0.20
29.20	0.00	22,634	194.06	0.20
29.30	0.00	22,563	194.05	0.20
29.40	0.00	22,493	194.05	0.20
29.50	0.00	22,422	194.04	0.20
29.60	0.00	22,352	194.03	0.19
29.70	0.00	22,282	194.03	0.19
29.80	0.00	22,212	194.02	0.19
29.90	0.00	22,143	194.01	0.19
30.00	0.00	22,073	194.01	0.19
30.10	0.00	22,004	194.00	0.19
30.20	0.00	21,934	193.99	0.19
30.30	0.00	21,865	193.99	0.19
30.40	0.00	21,796	193.98	0.19
30.50	0.00	21,727	193.98	0.19
30.60	0.00	21,659	193.97	0.19
30.70	0.00	21,590	193.96	0.19
30.80	0.00	21,522	193.96	0.19
30.90	0.00	21,454	193.95	0.19
31.00	0.00	21,386	193.94	0.19
31.10	0.00	21,318	193.94	0.19

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	21,250	193.93	0.19
31.30	0.00	21,183	193.93	0.19
31.40	0.00	21,116	193.92	0.19
31.50	0.00	21,048	193.91	0.19
31.60	0.00	20,981	193.91	0.19
31.70	0.00	20,915	193.90	0.19
31.80	0.00	20,848	193.90	0.19
31.90	0.00	20,781	193.89	0.18
32.00	0.00	20,715	193.88	0.18
32.10	0.00	20,649	193.88	0.18
32.20	0.00	20,583	193.87	0.18
32.30	0.00	20,517	193.87	0.18
32.40	0.00	20,451	193.86	0.18
32.50	0.00	20,385	193.85	0.18
32.60	0.00	20,320	193.85	0.18
32.70	0.00	20,255	193.84	0.18
32.80	0.00	20,189	193.84	0.18
32.90	0.00	20,124	193.83	0.18
33.00	0.00	20,060	193.82	0.18
33.10	0.00	19,995	193.82	0.18
33.20	0.00	19,930	193.81	0.18
33.30	0.00	19,866	193.81	0.18
33.40	0.00	19,802	193.80	0.18
33.50	0.00	19,738	193.80	0.18
33.60	0.00	19,674	193.79	0.18
33.70	0.00	19,610	193.78	0.18
33.80	0.00	19,547	193.78	0.18
33.90	0.00	19,483	193.77	0.18
34.00	0.00	19,420	193.77	0.18
34.10	0.00	19,357	193.76	0.17
34.20	0.00	19,294	193.75	0.17
34.30	0.00	19,232	193.75	0.17
34.40	0.00	19,169	193.74	0.17
34.50	0.00	19,107	193.74	0.17
34.60	0.00	19,044	193.73	0.17
34.70	0.00	18,982	193.73	0.17
34.80	0.00	18,920	193.72	0.17
34.90	0.00	18,858	193.72	0.17
35.00	0.00	18,797	193.71	0.17
35.10	0.00	18,735	193.70	0.17
35.20	0.00	18,674	193.70	0.17
35.30	0.00	18,613	193.69	0.17
35.40	0.00	18,552	193.69	0.17
35.50	0.00	18,491	193.68	0.17
35.60	0.00	18,430	193.68	0.17
35.70	0.00	18,370	193.67	0.17
35.80	0.00	18,309	193.67	0.17
35.90	0.00	18,249	193.66	0.17
36.00	0.00	18,189	193.65	0.17
36.10	0.00	18,129	193.65	0.17
36.20	0.00	18,070	193.64	0.17
36.30	0.00	18,010	193.64	0.17

Hydrograph for Pond B-13: Basin #13 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	17,951	193.63	0.16
36.50	0.00	17,891	193.63	0.16
36.60	0.00	17,832	193.62	0.16
36.70	0.00	17,773	193.62	0.16
36.80	0.00	17,715	193.61	0.16
36.90	0.00	17,656	193.61	0.16
37.00	0.00	17,597	193.60	0.16
37.10	0.00	17,539	193.60	0.16
37.20	0.00	17,481	193.59	0.16
37.30	0.00	17,423	193.58	0.16
37.40	0.00	17,365	193.58	0.16
37.50	0.00	17,308	193.57	0.16
37.60	0.00	17,250	193.57	0.16
37.70	0.00	17,193	193.56	0.16
37.80	0.00	17,135	193.56	0.16
37.90	0.00	17,078	193.55	0.16
38.00	0.00	17,022	193.55	0.16
38.10	0.00	16,965	193.54	0.16
38.20	0.00	16,908	193.54	0.16
38.30	0.00	16,852	193.53	0.16
38.40	0.00	16,796	193.53	0.16
38.50	0.00	16,740	193.52	0.16
38.60	0.00	16,684	193.52	0.16
38.70	0.00	16,628	193.51	0.15
38.80	0.00	16,572	193.51	0.15
38.90	0.00	16,517	193.50	0.15
39.00	0.00	16,462	193.50	0.15
39.10	0.00	16,407	193.49	0.15
39.20	0.00	16,352	193.49	0.15
39.30	0.00	16,297	193.48	0.15
39.40	0.00	16,242	193.48	0.15
39.50	0.00	16,188	193.47	0.15
39.60	0.00	16,133	193.47	0.15
39.70	0.00	16,079	193.46	0.15
39.80	0.00	16,025	193.46	0.15
39.90	0.00	15,971	193.45	0.15
40.00	0.00	15,918	193.45	0.15

Stage-Discharge for Pond B-13: Basin #13

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.11	193.56	0.16
192.01	0.00	192.53	0.00	193.05	0.11	193.57	0.16
192.02	0.00	192.54	0.00	193.06	0.11	193.58	0.16
192.03	0.00	192.55	0.00	193.07	0.11	193.59	0.16
192.04	0.00	192.56	0.00	193.08	0.11	193.60	0.16
192.05	0.00	192.57	0.00	193.09	0.11	193.61	0.16
192.06	0.00	192.58	0.01	193.10	0.11	193.62	0.16
192.07	0.00	192.59	0.01	193.11	0.11	193.63	0.16
192.08	0.00	192.60	0.01	193.12	0.12	193.64	0.17
192.09	0.00	192.61	0.01	193.13	0.12	193.65	0.17
192.10	0.00	192.62	0.02	193.14	0.12	193.66	0.17
192.11	0.00	192.63	0.02	193.15	0.12	193.67	0.17
192.12	0.00	192.64	0.02	193.16	0.12	193.68	0.17
192.13	0.00	192.65	0.03	193.17	0.12	193.69	0.17
192.14	0.00	192.66	0.03	193.18	0.12	193.70	0.17
192.15	0.00	192.67	0.03	193.19	0.12	193.71	0.17
192.16	0.00	192.68	0.04	193.20	0.12	193.72	0.17
192.17	0.00	192.69	0.04	193.21	0.13	193.73	0.17
192.18	0.00	192.70	0.05	193.22	0.13	193.74	0.17
192.19	0.00	192.71	0.05	193.23	0.13	193.75	0.17
192.20	0.00	192.72	0.05	193.24	0.13	193.76	0.17
192.21	0.00	192.73	0.05	193.25	0.13	193.77	0.18
192.22	0.00	192.74	0.06	193.26	0.13	193.78	0.18
192.23	0.00	192.75	0.06	193.27	0.13	193.79	0.18
192.24	0.00	192.76	0.06	193.28	0.13	193.80	0.18
192.25	0.00	192.77	0.06	193.29	0.13	193.81	0.18
192.26	0.00	192.78	0.06	193.30	0.13	193.82	0.18
192.27	0.00	192.79	0.07	193.31	0.14	193.83	0.18
192.28	0.00	192.80	0.07	193.32	0.14	193.84	0.18
192.29	0.00	192.81	0.07	193.33	0.14	193.85	0.18
192.30	0.00	192.82	0.07	193.34	0.14	193.86	0.18
192.31	0.00	192.83	0.07	193.35	0.14	193.87	0.18
192.32	0.00	192.84	0.08	193.36	0.14	193.88	0.18
192.33	0.00	192.85	0.08	193.37	0.14	193.89	0.18
192.34	0.00	192.86	0.08	193.38	0.14	193.90	0.19
192.35	0.00	192.87	0.08	193.39	0.14	193.91	0.19
192.36	0.00	192.88	0.08	193.40	0.14	193.92	0.19
192.37	0.00	192.89	0.08	193.41	0.15	193.93	0.19
192.38	0.00	192.90	0.09	193.42	0.15	193.94	0.19
192.39	0.00	192.91	0.09	193.43	0.15	193.95	0.19
192.40	0.00	192.92	0.09	193.44	0.15	193.96	0.19
192.41	0.00	192.93	0.09	193.45	0.15	193.97	0.19
192.42	0.00	192.94	0.09	193.46	0.15	193.98	0.19
192.43	0.00	192.95	0.09	193.47	0.15	193.99	0.19
192.44	0.00	192.96	0.10	193.48	0.15	194.00	0.19
192.45	0.00	192.97	0.10	193.49	0.15	194.01	0.19
192.46	0.00	192.98	0.10	193.50	0.15	194.02	0.19
192.47	0.00	192.99	0.10	193.51	0.15	194.03	0.19
192.48	0.00	193.00	0.10	193.52	0.16	194.04	0.20
192.49	0.00	193.01	0.10	193.53	0.16	194.05	0.20
192.50	0.00	193.02	0.10	193.54	0.16	194.06	0.20
192.51	0.00	193.03	0.10	193.55	0.16	194.07	0.20

Stage-Discharge for Pond B-13: Basin #13 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.20	194.60	0.64	195.12	6.45	195.64	21.47
194.09	0.20	194.61	0.71	195.13	6.59	195.65	22.33
194.10	0.20	194.62	0.77	195.14	6.74	195.66	23.23
194.11	0.20	194.63	0.84	195.15	6.89	195.67	24.14
194.12	0.20	194.64	0.91	195.16	7.04	195.68	25.08
194.13	0.20	194.65	0.99	195.17	7.19	195.69	26.03
194.14	0.20	194.66	1.06	195.18	7.35	195.70	27.02
194.15	0.20	194.67	1.14	195.19	7.50	195.71	28.06
194.16	0.20	194.68	1.23	195.20	7.66	195.72	29.12
194.17	0.20	194.69	1.31	195.21	7.81	195.73	30.22
194.18	0.20	194.70	1.39	195.22	7.97	195.74	31.34
194.19	0.21	194.71	1.48	195.23	8.13	195.75	32.48
194.20	0.21	194.72	1.57	195.24	8.28	195.76	33.65
194.21	0.21	194.73	1.66	195.25	8.44	195.77	34.81
194.22	0.21	194.74	1.76	195.26	8.60	195.78	35.86
194.23	0.21	194.75	1.85	195.27	8.76	195.79	36.92
194.24	0.21	194.76	1.95	195.28	8.93	195.80	38.02
194.25	0.21	194.77	2.05	195.29	9.09	195.81	39.13
194.26	0.21	194.78	2.15	195.30	9.25	195.82	40.28
194.27	0.21	194.79	2.25	195.31	9.42	195.83	41.44
194.28	0.21	194.80	2.36	195.32	9.58	195.84	42.63
194.29	0.21	194.81	2.47	195.33	9.75	195.85	43.85
194.30	0.21	194.82	2.57	195.34	9.92	195.86	45.08
194.31	0.21	194.83	2.68	195.35	10.09	195.87	46.35
194.32	0.21	194.84	2.79	195.36	10.25	195.88	47.63
194.33	0.21	194.85	2.91	195.37	10.42	195.89	48.94
194.34	0.22	194.86	3.02	195.38	10.60	195.90	50.28
194.35	0.22	194.87	3.14	195.39	10.77	195.91	51.67
194.36	0.22	194.88	3.25	195.40	10.94	195.92	53.08
194.37	0.22	194.89	3.37	195.41	11.11	195.93	54.52
194.38	0.22	194.90	3.49	195.42	11.29	195.94	55.98
194.39	0.22	194.91	3.61	195.43	11.46	195.95	57.47
194.40	0.22	194.92	3.73	195.44	11.64	195.96	58.99
194.41	0.22	194.93	3.86	195.45	11.81	195.97	60.53
194.42	0.22	194.94	3.98	195.46	11.99	195.98	62.10
194.43	0.22	194.95	4.11	195.47	12.17	195.99	63.69
194.44	0.22	194.96	4.24	195.48	12.35	196.00	**65.31**
194.45	0.22	194.97	4.37	195.49	12.52		
194.46	0.22	194.98	4.50	195.50	12.70		
194.47	0.22	194.99	4.63	195.51	13.00		
194.48	0.22	195.00	4.76	195.52	13.40		
194.49	0.22	195.01	4.90	195.53	13.86		
194.50	0.22	195.02	5.03	195.54	14.37		
194.51	0.24	195.03	5.17	195.55	14.93		
194.52	0.26	195.04	5.31	195.56	15.52		
194.53	0.29	195.05	5.44	195.57	16.16		
194.54	0.33	195.06	5.58	195.58	16.83		
194.55	0.37	195.07	5.73	195.59	17.53		
194.56	0.42	195.08	5.87	195.60	18.26		
194.57	0.47	195.09	6.01	195.61	19.02		
194.58	0.52	195.10	6.15	195.62	19.81		
194.59	0.58	195.11	6.30	195.63	20.63		

Stage-Area-Storage for Pond B-13: Basin #13

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**10,996**	0
192.01	10,996	110
192.02	10,996	220
192.03	10,996	330
192.04	10,996	440
192.05	10,996	550
192.06	10,996	660
192.07	10,996	770
192.08	10,996	880
192.09	10,996	990
192.10	10,996	1,100
192.11	10,996	1,210
192.12	10,996	1,320
192.13	10,996	1,429
192.14	10,996	1,539
192.15	10,996	1,649
192.16	10,996	1,759
192.17	10,996	1,869
192.18	10,996	1,979
192.19	10,996	2,089
192.20	10,996	2,199
192.21	10,996	2,309
192.22	10,996	2,419
192.23	10,996	2,529
192.24	10,996	2,639
192.25	10,996	2,749
192.26	10,996	2,859
192.27	10,996	2,969
192.28	10,996	3,079
192.29	10,996	3,189
192.30	10,996	3,299
192.31	10,996	3,409
192.32	10,996	3,519
192.33	10,996	3,629
192.34	10,996	3,739
192.35	10,996	3,849
192.36	10,996	3,959
192.37	10,996	4,069
192.38	10,996	4,178
192.39	10,996	4,288
192.40	10,996	4,398
192.41	10,996	4,508
192.42	10,996	4,618
192.43	10,996	4,728
192.44	10,996	4,838
192.45	10,996	4,948
192.46	10,996	5,058
192.47	10,996	5,168
192.48	10,996	5,278
192.49	10,996	5,388
192.50	10,996	5,498
192.51	10,996	5,608
192.52	10,996	5,718
192.53	10,996	5,828
192.54	10,996	5,938
192.55	10,996	6,048
192.56	10,996	6,158
192.57	10,996	6,268
192.58	10,996	6,378
192.59	10,996	6,488
192.60	10,996	6,598
192.61	10,996	6,708
192.62	10,996	6,818
192.63	10,996	6,927
192.64	10,996	7,037
192.65	10,996	7,147
192.66	10,996	7,257
192.67	10,996	7,367
192.68	10,996	7,477
192.69	10,996	7,587
192.70	10,996	7,697
192.71	10,996	7,807
192.72	10,996	7,917
192.73	10,996	8,027
192.74	10,996	8,137
192.75	10,996	8,247
192.76	10,996	8,357
192.77	10,996	8,467
192.78	10,996	8,577
192.79	10,996	8,687
192.80	10,996	8,797
192.81	10,996	8,907
192.82	10,996	9,017
192.83	10,996	9,127
192.84	10,996	9,237
192.85	10,996	9,347
192.86	10,996	9,457
192.87	10,996	9,567
192.88	10,996	9,676
192.89	10,996	9,786
192.90	10,996	9,896
192.91	10,996	10,006
192.92	10,996	10,116
192.93	10,996	10,226
192.94	10,996	10,336
192.95	10,996	10,446
192.96	10,996	10,556
192.97	10,996	10,666
192.98	10,996	10,776
192.99	10,996	10,886
193.00	10,996	10,996
193.01	10,996	11,106
193.02	10,996	11,216
193.03	10,996	11,326

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	10,996	11,436	193.56	10,996	17,154
193.05	10,996	11,546	193.57	10,996	17,264
193.06	10,996	11,656	193.58	10,996	17,374
193.07	10,996	11,766	193.59	10,996	17,484
193.08	10,996	11,876	193.60	10,996	17,594
193.09	10,996	11,986	193.61	10,996	17,704
193.10	10,996	12,096	193.62	10,996	17,814
193.11	10,996	12,206	193.63	10,996	17,923
193.12	10,996	12,316	193.64	10,996	18,033
193.13	10,996	12,425	193.65	10,996	18,143
193.14	10,996	12,535	193.66	10,996	18,253
193.15	10,996	12,645	193.67	10,996	18,363
193.16	10,996	12,755	193.68	10,996	18,473
193.17	10,996	12,865	193.69	10,996	18,583
193.18	10,996	12,975	193.70	10,996	18,693
193.19	10,996	13,085	193.71	10,996	18,803
193.20	10,996	13,195	193.72	10,996	18,913
193.21	10,996	13,305	193.73	10,996	19,023
193.22	10,996	13,415	193.74	10,996	19,133
193.23	10,996	13,525	193.75	10,996	19,243
193.24	10,996	13,635	193.76	10,996	19,353
193.25	10,996	13,745	193.77	10,996	19,463
193.26	10,996	13,855	193.78	10,996	19,573
193.27	10,996	13,965	193.79	10,996	19,683
193.28	10,996	14,075	193.80	10,996	19,793
193.29	10,996	14,185	193.81	10,996	19,903
193.30	10,996	14,295	193.82	10,996	20,013
193.31	10,996	14,405	193.83	10,996	20,123
193.32	10,996	14,515	193.84	10,996	20,233
193.33	10,996	14,625	193.85	10,996	20,343
193.34	10,996	14,735	193.86	10,996	20,453
193.35	10,996	14,845	193.87	10,996	20,563
193.36	10,996	14,955	193.88	10,996	20,672
193.37	10,996	15,065	193.89	10,996	20,782
193.38	10,996	15,174	193.90	10,996	20,892
193.39	10,996	15,284	193.91	10,996	21,002
193.40	10,996	15,394	193.92	10,996	21,112
193.41	10,996	15,504	193.93	10,996	21,222
193.42	10,996	15,614	193.94	10,996	21,332
193.43	10,996	15,724	193.95	10,996	21,442
193.44	10,996	15,834	193.96	10,996	21,552
193.45	10,996	15,944	193.97	10,996	21,662
193.46	10,996	16,054	193.98	10,996	21,772
193.47	10,996	16,164	193.99	10,996	21,882
193.48	10,996	16,274	194.00	10,996	21,992
193.49	10,996	16,384	194.01	10,996	22,102
193.50	10,996	16,494	194.02	10,996	22,212
193.51	10,996	16,604	194.03	10,996	22,322
193.52	10,996	16,714	194.04	10,996	22,432
193.53	10,996	16,824	194.05	10,996	22,542
193.54	10,996	16,934	194.06	10,996	22,652
193.55	10,996	17,044	194.07	10,996	22,762

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	10,996	22,872	194.60	10,996	28,590
194.09	10,996	22,982	194.61	10,996	28,700
194.10	10,996	23,092	194.62	10,996	28,810
194.11	10,996	23,202	194.63	10,996	28,919
194.12	10,996	23,312	194.64	10,996	29,029
194.13	10,996	23,421	194.65	10,996	29,139
194.14	10,996	23,531	194.66	10,996	29,249
194.15	10,996	23,641	194.67	10,996	29,359
194.16	10,996	23,751	194.68	10,996	29,469
194.17	10,996	23,861	194.69	10,996	29,579
194.18	10,996	23,971	194.70	10,996	29,689
194.19	10,996	24,081	194.71	10,996	29,799
194.20	10,996	24,191	194.72	10,996	29,909
194.21	10,996	24,301	194.73	10,996	30,019
194.22	10,996	24,411	194.74	10,996	30,129
194.23	10,996	24,521	194.75	10,996	30,239
194.24	10,996	24,631	194.76	10,996	30,349
194.25	10,996	24,741	194.77	10,996	30,459
194.26	10,996	24,851	194.78	10,996	30,569
194.27	10,996	24,961	194.79	10,996	30,679
194.28	10,996	25,071	194.80	10,996	30,789
194.29	10,996	25,181	194.81	10,996	30,899
194.30	10,996	25,291	194.82	10,996	31,009
194.31	10,996	25,401	194.83	10,996	31,119
194.32	10,996	25,511	194.84	10,996	31,229
194.33	10,996	25,621	194.85	10,996	31,339
194.34	10,996	25,731	194.86	10,996	31,449
194.35	10,996	25,841	194.87	10,996	31,559
194.36	10,996	25,951	194.88	10,996	31,668
194.37	10,996	26,061	194.89	10,996	31,778
194.38	10,996	26,170	194.90	10,996	31,888
194.39	10,996	26,280	194.91	10,996	31,998
194.40	10,996	26,390	194.92	10,996	32,108
194.41	10,996	26,500	194.93	10,996	32,218
194.42	10,996	26,610	194.94	10,996	32,328
194.43	10,996	26,720	194.95	10,996	32,438
194.44	10,996	26,830	194.96	10,996	32,548
194.45	10,996	26,940	194.97	10,996	32,658
194.46	10,996	27,050	194.98	10,996	32,768
194.47	10,996	27,160	194.99	10,996	32,878
194.48	10,996	27,270	195.00	10,996	32,988
194.49	10,996	27,380	195.01	10,996	33,098
194.50	10,996	27,490	195.02	10,996	33,208
194.51	10,996	27,600	195.03	10,996	33,318
194.52	10,996	27,710	195.04	10,996	33,428
194.53	10,996	27,820	195.05	10,996	33,538
194.54	10,996	27,930	195.06	10,996	33,648
194.55	10,996	28,040	195.07	10,996	33,758
194.56	10,996	28,150	195.08	10,996	33,868
194.57	10,996	28,260	195.09	10,996	33,978
194.58	10,996	28,370	195.10	10,996	34,088
194.59	10,996	28,480	195.11	10,996	34,198

Stage-Area-Storage for Pond B-13: Basin #13 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	10,996	34,308
195.13	10,996	34,417
195.14	10,996	34,527
195.15	10,996	34,637
195.16	10,996	34,747
195.17	10,996	34,857
195.18	10,996	34,967
195.19	10,996	35,077
195.20	10,996	35,187
195.21	10,996	35,297
195.22	10,996	35,407
195.23	10,996	35,517
195.24	10,996	35,627
195.25	10,996	35,737
195.26	10,996	35,847
195.27	10,996	35,957
195.28	10,996	36,067
195.29	10,996	36,177
195.30	10,996	36,287
195.31	10,996	36,397
195.32	10,996	36,507
195.33	10,996	36,617
195.34	10,996	36,727
195.35	10,996	36,837
195.36	10,996	36,947
195.37	10,996	37,057
195.38	10,996	37,166
195.39	10,996	37,276
195.40	10,996	37,386
195.41	10,996	37,496
195.42	10,996	37,606
195.43	10,996	37,716
195.44	10,996	37,826
195.45	10,996	37,936
195.46	10,996	38,046
195.47	10,996	38,156
195.48	10,996	38,266
195.49	10,996	38,376
195.50	10,996	38,486
195.51	10,996	38,596
195.52	10,996	38,706
195.53	10,996	38,816
195.54	10,996	38,926
195.55	10,996	39,036
195.56	10,996	39,146
195.57	10,996	39,256
195.58	10,996	39,366
195.59	10,996	39,476
195.60	10,996	39,586
195.61	10,996	39,696
195.62	10,996	39,806
195.63	10,996	39,915
195.64	10,996	40,025
195.65	10,996	40,135
195.66	10,996	40,245
195.67	10,996	40,355
195.68	10,996	40,465
195.69	10,996	40,575
195.70	10,996	40,685
195.71	10,996	40,795
195.72	10,996	40,905
195.73	10,996	41,015
195.74	10,996	41,125
195.75	10,996	41,235
195.76	10,996	41,345
195.77	10,996	41,455
195.78	10,996	41,565
195.79	10,996	41,675
195.80	10,996	41,785
195.81	10,996	41,895
195.82	10,996	42,005
195.83	10,996	42,115
195.84	10,996	42,225
195.85	10,996	42,335
195.86	10,996	42,445
195.87	10,996	42,555
195.88	10,996	42,664
195.89	10,996	42,774
195.90	10,996	42,884
195.91	10,996	42,994
195.92	10,996	43,104
195.93	10,996	43,214
195.94	10,996	43,324
195.95	10,996	43,434
195.96	10,996	43,544
195.97	10,996	43,654
195.98	10,996	43,764
195.99	10,996	43,874
196.00	10,996	**43,984**

Summary for Pond B-14: Basin #14

Inflow Area = 2.148 ac, 23.65% Impervious, Inflow Depth = 3.63" for Future 10 yr event
Inflow = 9.62 cfs @ 12.10 hrs, Volume= 0.649 af
Outflow = 0.23 cfs @ 16.85 hrs, Volume= 0.449 af, Atten= 98%, Lag= 285.0 min
Primary = 0.23 cfs @ 16.85 hrs, Volume= 0.449 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.27' @ 16.85 hrs Surf.Area= 8,960 sf Storage= 20,360 cf

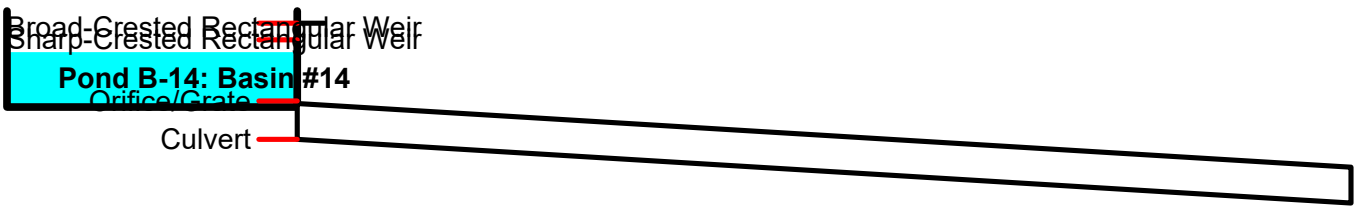
Plug-Flow detention time= 785.8 min calculated for 0.449 af (69% of inflow)
Center-of-Mass det. time= 683.3 min (1,483.8 - 800.4)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	35,840 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

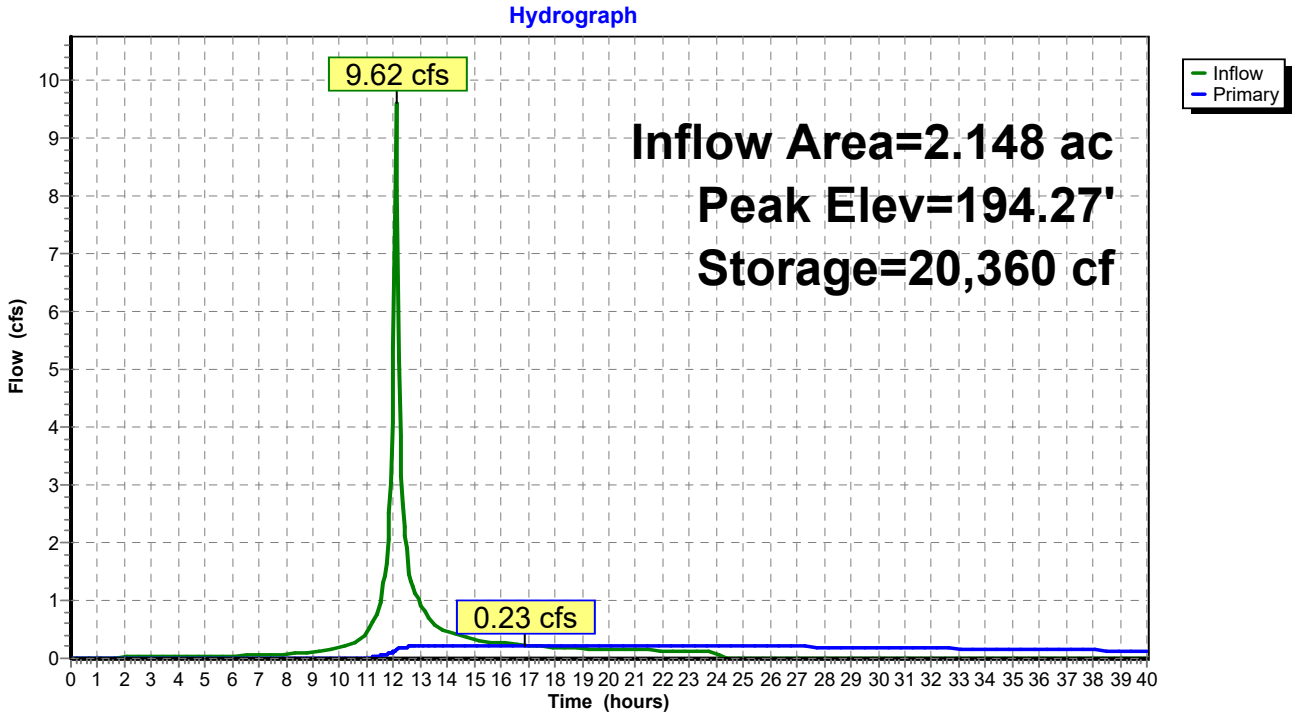
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	8,960	0	0
193.00	8,960	8,960	8,960
194.00	8,960	8,960	17,920
195.00	8,960	8,960	26,880
196.00	8,960	8,960	35,840

Device	Routing	Invert	Outlet Devices
#1	Primary	190.65'	**18.0" Round Culvert** L= 194.0' Ke= 0.500 Inlet / Outlet Invert= 190.65' / 188.00' S= 0.0137 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.26'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.80'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.23 cfs @ 16.85 hrs HW=194.27' (Free Discharge)
- **1=Culvert** (Passes 0.23 cfs of 13.79 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.65 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-14: Basin #14



Hydrograph for Pond B-14: Basin #14

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	2	192.00	0.00
1.00	0.01	3	192.00	0.00
1.10	0.01	6	192.00	0.00
1.20	0.01	8	192.00	0.00
1.30	0.01	12	192.00	0.00
1.40	0.01	16	192.00	0.00
1.50	0.01	20	192.00	0.00
1.60	0.01	25	192.00	0.00
1.70	0.02	30	192.00	0.00
1.80	0.02	36	192.00	0.00
1.90	0.02	42	192.00	0.00
2.00	0.02	48	192.01	0.00
2.10	0.02	55	192.01	0.00
2.20	0.02	62	192.01	0.00
2.30	0.02	70	192.01	0.00
2.40	0.02	78	192.01	0.00
2.50	0.02	86	192.01	0.00
2.60	0.02	94	192.01	0.00
2.70	0.02	103	192.01	0.00
2.80	0.03	112	192.01	0.00
2.90	0.03	121	192.01	0.00
3.00	0.03	131	192.01	0.00
3.10	0.03	141	192.02	0.00
3.20	0.03	151	192.02	0.00
3.30	0.03	161	192.02	0.00
3.40	0.03	171	192.02	0.00
3.50	0.03	182	192.02	0.00
3.60	0.03	193	192.02	0.00
3.70	0.03	204	192.02	0.00
3.80	0.03	216	192.02	0.00
3.90	0.03	227	192.03	0.00
4.00	0.03	239	192.03	0.00
4.10	0.03	251	192.03	0.00
4.20	0.03	263	192.03	0.00
4.30	0.03	276	192.03	0.00
4.40	0.04	289	192.03	0.00
4.50	0.04	301	192.03	0.00
4.60	0.04	314	192.04	0.00
4.70	0.04	327	192.04	0.00
4.80	0.04	341	192.04	0.00
4.90	0.04	354	192.04	0.00
5.00	0.04	368	192.04	0.00
5.10	0.04	382	192.04	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	396	192.04	0.00
5.30	0.04	410	192.05	0.00
5.40	0.04	424	192.05	0.00
5.50	0.04	439	192.05	0.00
5.60	0.04	454	192.05	0.00
5.70	0.04	468	192.05	0.00
5.80	0.04	483	192.05	0.00
5.90	0.04	499	192.06	0.00
6.00	0.04	514	192.06	0.00
6.10	0.04	530	192.06	0.00
6.20	0.05	546	192.06	0.00
6.30	0.05	562	192.06	0.00
6.40	0.05	579	192.06	0.00
6.50	0.05	596	192.07	0.00
6.60	0.05	614	192.07	0.00
6.70	0.05	633	192.07	0.00
6.80	0.05	651	192.07	0.00
6.90	0.05	670	192.07	0.00
7.00	0.06	690	192.08	0.00
7.10	0.06	710	192.08	0.00
7.20	0.06	731	192.08	0.00
7.30	0.06	752	192.08	0.00
7.40	0.06	773	192.09	0.00
7.50	0.06	795	192.09	0.00
7.60	0.06	817	192.09	0.00
7.70	0.06	840	192.09	0.00
7.80	0.06	863	192.10	0.00
7.90	0.07	887	192.10	0.00
8.00	0.07	911	192.10	0.00
8.10	0.07	935	192.10	0.00
8.20	0.07	961	192.11	0.00
8.30	0.07	987	192.11	0.00
8.40	0.08	1,014	192.11	0.00
8.50	0.08	1,043	192.12	0.00
8.60	0.08	1,073	192.12	0.00
8.70	0.09	1,104	192.12	0.00
8.80	0.09	1,137	192.13	0.00
8.90	0.10	1,170	192.13	0.00
9.00	0.10	1,205	192.13	0.00
9.10	0.11	1,242	192.14	0.00
9.20	0.11	1,282	192.14	0.00
9.30	0.12	1,325	192.15	0.00
9.40	0.13	1,371	192.15	0.00
9.50	0.14	1,421	192.16	0.00
9.60	0.15	1,473	192.16	0.00
9.70	0.16	1,529	192.17	0.00
9.80	0.17	1,589	192.18	0.00
9.90	0.18	1,653	192.18	0.00
10.00	0.19	1,720	192.19	0.00
10.10	0.20	1,792	192.20	0.00
10.20	0.22	1,868	192.21	0.00
10.30	0.23	1,948	192.22	0.00

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.24	2,032	192.23	0.00
10.50	0.25	2,121	192.24	0.00
10.60	0.29	2,219	192.25	0.00
10.70	0.32	2,329	192.26	0.00
10.80	0.36	2,453	192.27	0.00
10.90	0.40	2,591	192.29	0.00
11.00	0.45	2,743	192.31	0.00
11.10	0.52	2,915	192.33	0.01
11.20	0.60	3,112	192.35	0.01
11.30	0.68	3,337	192.37	0.02
11.40	0.77	3,589	192.40	0.03
11.50	0.86	3,869	192.43	0.04
11.60	1.30	4,239	192.47	0.05
11.70	1.50	4,725	192.53	0.07
11.80	2.07	5,339	192.60	0.08
11.90	3.02	6,221	192.69	0.09
12.00	5.39	7,679	192.86	0.12
12.10	**9.60**	10,312	193.15	0.15
12.20	5.19	13,046	193.46	0.17
12.30	3.14	14,427	193.61	0.18
12.40	2.28	15,328	193.71	0.19
12.50	2.05	16,031	193.79	0.20
12.60	1.46	16,598	193.85	0.20
12.70	1.27	17,010	193.90	0.20
12.80	1.16	17,373	193.94	0.21
12.90	1.05	17,697	193.98	0.21
13.00	0.95	17,982	194.01	0.21
13.10	0.84	18,228	194.03	0.21
13.20	0.77	18,441	194.06	0.21
13.30	0.71	18,632	194.08	0.21
13.40	0.66	18,801	194.10	0.22
13.50	0.60	18,949	194.11	0.22
13.60	0.54	19,076	194.13	0.22
13.70	0.52	19,187	194.14	0.22
13.80	0.50	19,291	194.15	0.22
13.90	0.49	19,389	194.16	0.22
14.00	0.47	19,482	194.17	0.22
14.10	0.46	19,569	194.18	0.22
14.20	0.44	19,650	194.19	0.22
14.30	0.42	19,726	194.20	0.22
14.40	0.41	19,796	194.21	0.22
14.50	0.39	19,861	194.22	0.22
14.60	0.38	19,919	194.22	0.22
14.70	0.36	19,972	194.23	0.22
14.80	0.35	20,020	194.23	0.22
14.90	0.33	20,061	194.24	0.22
15.00	0.32	20,097	194.24	0.22
15.10	0.30	20,127	194.25	0.23
15.20	0.29	20,153	194.25	0.23
15.30	0.29	20,177	194.25	0.23
15.40	0.29	20,200	194.25	0.23
15.50	0.28	20,221	194.26	0.23

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.28	20,241	194.26	0.23
15.70	0.27	20,259	194.26	0.23
15.80	0.27	20,275	194.26	0.23
15.90	0.27	20,291	194.26	0.23
16.00	0.26	20,304	194.27	0.23
16.10	0.26	20,316	194.27	0.23
16.20	0.25	20,327	194.27	0.23
16.30	0.25	20,336	194.27	0.23
16.40	0.25	20,344	194.27	0.23
16.50	0.24	20,350	194.27	0.23
16.60	0.24	20,355	194.27	0.23
16.70	0.23	20,358	194.27	0.23
16.80	0.23	**20,360**	**194.27**	**0.23**
16.90	0.23	**20,360**	**194.27**	**0.23**
17.00	0.22	20,358	194.27	0.23
17.10	0.22	20,356	194.27	0.23
17.20	0.21	20,351	194.27	0.23
17.30	0.21	20,345	194.27	0.23
17.40	0.20	20,338	194.27	0.23
17.50	0.20	20,329	194.27	0.23
17.60	0.20	20,319	194.27	0.23
17.70	0.19	20,307	194.27	0.23
17.80	0.19	20,294	194.26	0.23
17.90	0.18	20,279	194.26	0.23
18.00	0.18	20,263	194.26	0.23
18.10	0.17	20,246	194.26	0.23
18.20	0.17	20,227	194.26	0.23
18.30	0.17	20,208	194.26	0.23
18.40	0.17	20,188	194.25	0.23
18.50	0.17	20,168	194.25	0.23
18.60	0.17	20,148	194.25	0.23
18.70	0.17	20,128	194.25	0.23
18.80	0.17	20,107	194.24	0.23
18.90	0.17	20,086	194.24	0.22
19.00	0.16	20,065	194.24	0.22
19.10	0.16	20,043	194.24	0.22
19.20	0.16	20,021	194.23	0.22
19.30	0.16	19,999	194.23	0.22
19.40	0.16	19,976	194.23	0.22
19.50	0.16	19,953	194.23	0.22
19.60	0.16	19,930	194.22	0.22
19.70	0.16	19,906	194.22	0.22
19.80	0.16	19,882	194.22	0.22
19.90	0.16	19,858	194.22	0.22
20.00	0.15	19,834	194.21	0.22
20.10	0.15	19,809	194.21	0.22
20.20	0.15	19,784	194.21	0.22
20.30	0.15	19,758	194.21	0.22
20.40	0.15	19,733	194.20	0.22
20.50	0.15	19,706	194.20	0.22
20.60	0.15	19,680	194.20	0.22
20.70	0.15	19,654	194.19	0.22

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	19,627	194.19	0.22
20.90	0.15	19,599	194.19	0.22
21.00	0.14	19,572	194.18	0.22
21.10	0.14	19,544	194.18	0.22
21.20	0.14	19,515	194.18	0.22
21.30	0.14	19,487	194.17	0.22
21.40	0.14	19,458	194.17	0.22
21.50	0.14	19,429	194.17	0.22
21.60	0.14	19,399	194.17	0.22
21.70	0.14	19,370	194.16	0.22
21.80	0.14	19,340	194.16	0.22
21.90	0.13	19,309	194.16	0.22
22.00	0.13	19,279	194.15	0.22
22.10	0.13	19,248	194.15	0.22
22.20	0.13	19,216	194.14	0.22
22.30	0.13	19,185	194.14	0.22
22.40	0.13	19,153	194.14	0.22
22.50	0.13	19,121	194.13	0.22
22.60	0.13	19,088	194.13	0.22
22.70	0.13	19,056	194.13	0.22
22.80	0.13	19,023	194.12	0.22
22.90	0.12	18,989	194.12	0.22
23.00	0.12	18,955	194.12	0.22
23.10	0.12	18,922	194.11	0.22
23.20	0.12	18,887	194.11	0.22
23.30	0.12	18,853	194.10	0.22
23.40	0.12	18,818	194.10	0.22
23.50	0.12	18,783	194.10	0.22
23.60	0.12	18,747	194.09	0.22
23.70	0.12	18,711	194.09	0.22
23.80	0.11	18,675	194.08	0.22
23.90	0.11	18,639	194.08	0.22
24.00	0.13	18,606	194.08	0.21
24.10	0.03	18,560	194.07	0.21
24.20	0.00	18,487	194.06	0.21
24.30	0.00	18,410	194.05	0.21
24.40	0.00	18,333	194.05	0.21
24.50	0.00	18,257	194.04	0.21
24.60	0.00	18,181	194.03	0.21
24.70	0.00	18,104	194.02	0.21
24.80	0.00	18,028	194.01	0.21
24.90	0.00	17,953	194.00	0.21
25.00	0.00	17,877	194.00	0.21
25.10	0.00	17,802	193.99	0.21
25.20	0.00	17,727	193.98	0.21
25.30	0.00	17,652	193.97	0.21
25.40	0.00	17,577	193.96	0.21
25.50	0.00	17,502	193.95	0.21
25.60	0.00	17,428	193.95	0.21
25.70	0.00	17,354	193.94	0.21
25.80	0.00	17,280	193.93	0.21
25.90	0.00	17,206	193.92	0.20

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	17,132	193.91	0.20
26.10	0.00	17,059	193.90	0.20
26.20	0.00	16,986	193.90	0.20
26.30	0.00	16,913	193.89	0.20
26.40	0.00	16,840	193.88	0.20
26.50	0.00	16,767	193.87	0.20
26.60	0.00	16,695	193.86	0.20
26.70	0.00	16,622	193.86	0.20
26.80	0.00	16,550	193.85	0.20
26.90	0.00	16,478	193.84	0.20
27.00	0.00	16,407	193.83	0.20
27.10	0.00	16,335	193.82	0.20
27.20	0.00	16,264	193.82	0.20
27.30	0.00	16,193	193.81	0.20
27.40	0.00	16,122	193.80	0.20
27.50	0.00	16,051	193.79	0.20
27.60	0.00	15,981	193.78	0.20
27.70	0.00	15,911	193.78	0.20
27.80	0.00	15,841	193.77	0.19
27.90	0.00	15,771	193.76	0.19
28.00	0.00	15,701	193.75	0.19
28.10	0.00	15,631	193.74	0.19
28.20	0.00	15,562	193.74	0.19
28.30	0.00	15,493	193.73	0.19
28.40	0.00	15,424	193.72	0.19
28.50	0.00	15,355	193.71	0.19
28.60	0.00	15,287	193.71	0.19
28.70	0.00	15,218	193.70	0.19
28.80	0.00	15,150	193.69	0.19
28.90	0.00	15,082	193.68	0.19
29.00	0.00	15,014	193.68	0.19
29.10	0.00	14,947	193.67	0.19
29.20	0.00	14,880	193.66	0.19
29.30	0.00	14,812	193.65	0.19
29.40	0.00	14,745	193.65	0.19
29.50	0.00	14,679	193.64	0.19
29.60	0.00	14,612	193.63	0.18
29.70	0.00	14,546	193.62	0.18
29.80	0.00	14,479	193.62	0.18
29.90	0.00	14,413	193.61	0.18
30.00	0.00	14,348	193.60	0.18
30.10	0.00	14,282	193.59	0.18
30.20	0.00	14,216	193.59	0.18
30.30	0.00	14,151	193.58	0.18
30.40	0.00	14,086	193.57	0.18
30.50	0.00	14,021	193.56	0.18
30.60	0.00	13,957	193.56	0.18
30.70	0.00	13,892	193.55	0.18
30.80	0.00	13,828	193.54	0.18
30.90	0.00	13,764	193.54	0.18
31.00	0.00	13,700	193.53	0.18
31.10	0.00	13,636	193.52	0.18

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	13,573	193.51	0.18
31.30	0.00	13,510	193.51	0.18
31.40	0.00	13,447	193.50	0.17
31.50	0.00	13,384	193.49	0.17
31.60	0.00	13,321	193.49	0.17
31.70	0.00	13,258	193.48	0.17
31.80	0.00	13,196	193.47	0.17
31.90	0.00	13,134	193.47	0.17
32.00	0.00	13,072	193.46	0.17
32.10	0.00	13,010	193.45	0.17
32.20	0.00	12,949	193.45	0.17
32.30	0.00	12,887	193.44	0.17
32.40	0.00	12,826	193.43	0.17
32.50	0.00	12,765	193.42	0.17
32.60	0.00	12,705	193.42	0.17
32.70	0.00	12,644	193.41	0.17
32.80	0.00	12,584	193.40	0.17
32.90	0.00	12,524	193.40	0.17
33.00	0.00	12,464	193.39	0.17
33.10	0.00	12,404	193.38	0.17
33.20	0.00	12,344	193.38	0.17
33.30	0.00	12,285	193.37	0.16
33.40	0.00	12,226	193.36	0.16
33.50	0.00	12,167	193.36	0.16
33.60	0.00	12,108	193.35	0.16
33.70	0.00	12,049	193.34	0.16
33.80	0.00	11,991	193.34	0.16
33.90	0.00	11,933	193.33	0.16
34.00	0.00	11,875	193.33	0.16
34.10	0.00	11,817	193.32	0.16
34.20	0.00	11,759	193.31	0.16
34.30	0.00	11,702	193.31	0.16
34.40	0.00	11,644	193.30	0.16
34.50	0.00	11,587	193.29	0.16
34.60	0.00	11,531	193.29	0.16
34.70	0.00	11,474	193.28	0.16
34.80	0.00	11,417	193.27	0.16
34.90	0.00	11,361	193.27	0.16
35.00	0.00	11,305	193.26	0.16
35.10	0.00	11,249	193.26	0.15
35.20	0.00	11,193	193.25	0.15
35.30	0.00	11,138	193.24	0.15
35.40	0.00	11,083	193.24	0.15
35.50	0.00	11,028	193.23	0.15
35.60	0.00	10,973	193.22	0.15
35.70	0.00	10,918	193.22	0.15
35.80	0.00	10,863	193.21	0.15
35.90	0.00	10,809	193.21	0.15
36.00	0.00	10,755	193.20	0.15
36.10	0.00	10,701	193.19	0.15
36.20	0.00	10,647	193.19	0.15
36.30	0.00	10,594	193.18	0.15

Hydrograph for Pond B-14: Basin #14 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,540	193.18	0.15
36.50	0.00	10,487	193.17	0.15
36.60	0.00	10,434	193.16	0.15
36.70	0.00	10,382	193.16	0.15
36.80	0.00	10,329	193.15	0.15
36.90	0.00	10,277	193.15	0.15
37.00	0.00	10,224	193.14	0.14
37.10	0.00	10,172	193.14	0.14
37.20	0.00	10,121	193.13	0.14
37.30	0.00	10,069	193.12	0.14
37.40	0.00	10,018	193.12	0.14
37.50	0.00	9,967	193.11	0.14
37.60	0.00	9,915	193.11	0.14
37.70	0.00	9,865	193.10	0.14
37.80	0.00	9,814	193.10	0.14
37.90	0.00	9,764	193.09	0.14
38.00	0.00	9,713	193.08	0.14
38.10	0.00	9,663	193.08	0.14
38.20	0.00	9,614	193.07	0.14
38.30	0.00	9,564	193.07	0.14
38.40	0.00	9,514	193.06	0.14
38.50	0.00	9,465	193.06	0.14
38.60	0.00	9,416	193.05	0.14
38.70	0.00	9,367	193.05	0.14
38.80	0.00	9,319	193.04	0.13
38.90	0.00	9,270	193.03	0.13
39.00	0.00	9,222	193.03	0.13
39.10	0.00	9,174	193.02	0.13
39.20	0.00	9,126	193.02	0.13
39.30	0.00	9,078	193.01	0.13
39.40	0.00	9,031	193.01	0.13
39.50	0.00	8,983	193.00	0.13
39.60	0.00	8,936	193.00	0.13
39.70	0.00	8,889	192.99	0.13
39.80	0.00	8,843	192.99	0.13
39.90	0.00	8,796	192.98	0.13
40.00	0.00	8,750	192.98	0.13

Stage-Discharge for Pond B-14: Basin #14

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.06	193.04	0.13	193.56	0.18
192.01	0.00	192.53	0.07	193.05	0.14	193.57	0.18
192.02	0.00	192.54	0.07	193.06	0.14	193.58	0.18
192.03	0.00	192.55	0.07	193.07	0.14	193.59	0.18
192.04	0.00	192.56	0.07	193.08	0.14	193.60	0.18
192.05	0.00	192.57	0.07	193.09	0.14	193.61	0.18
192.06	0.00	192.58	0.08	193.10	0.14	193.62	0.18
192.07	0.00	192.59	0.08	193.11	0.14	193.63	0.18
192.08	0.00	192.60	0.08	193.12	0.14	193.64	0.19
192.09	0.00	192.61	0.08	193.13	0.14	193.65	0.19
192.10	0.00	192.62	0.08	193.14	0.14	193.66	0.19
192.11	0.00	192.63	0.08	193.15	0.15	193.67	0.19
192.12	0.00	192.64	0.09	193.16	0.15	193.68	0.19
192.13	0.00	192.65	0.09	193.17	0.15	193.69	0.19
192.14	0.00	192.66	0.09	193.18	0.15	193.70	0.19
192.15	0.00	192.67	0.09	193.19	0.15	193.71	0.19
192.16	0.00	192.68	0.09	193.20	0.15	193.72	0.19
192.17	0.00	192.69	0.09	193.21	0.15	193.73	0.19
192.18	0.00	192.70	0.10	193.22	0.15	193.74	0.19
192.19	0.00	192.71	0.10	193.23	0.15	193.75	0.19
192.20	0.00	192.72	0.10	193.24	0.15	193.76	0.19
192.21	0.00	192.73	0.10	193.25	0.15	193.77	0.19
192.22	0.00	192.74	0.10	193.26	0.16	193.78	0.20
192.23	0.00	192.75	0.10	193.27	0.16	193.79	0.20
192.24	0.00	192.76	0.10	193.28	0.16	193.80	0.20
192.25	0.00	192.77	0.10	193.29	0.16	193.81	0.20
192.26	0.00	192.78	0.11	193.30	0.16	193.82	0.20
192.27	0.00	192.79	0.11	193.31	0.16	193.83	0.20
192.28	0.00	192.80	0.11	193.32	0.16	193.84	0.20
192.29	0.00	192.81	0.11	193.33	0.16	193.85	0.20
192.30	0.00	192.82	0.11	193.34	0.16	193.86	0.20
192.31	0.00	192.83	0.11	193.35	0.16	193.87	0.20
192.32	0.01	192.84	0.11	193.36	0.16	193.88	0.20
192.33	0.01	192.85	0.11	193.37	0.16	193.89	0.20
192.34	0.01	192.86	0.12	193.38	0.17	193.90	0.20
192.35	0.01	192.87	0.12	193.39	0.17	193.91	0.20
192.36	0.02	192.88	0.12	193.40	0.17	193.92	0.20
192.37	0.02	192.89	0.12	193.41	0.17	193.93	0.21
192.38	0.02	192.90	0.12	193.42	0.17	193.94	0.21
192.39	0.03	192.91	0.12	193.43	0.17	193.95	0.21
192.40	0.03	192.92	0.12	193.44	0.17	193.96	0.21
192.41	0.03	192.93	0.12	193.45	0.17	193.97	0.21
192.42	0.04	192.94	0.12	193.46	0.17	193.98	0.21
192.43	0.04	192.95	0.13	193.47	0.17	193.99	0.21
192.44	0.05	192.96	0.13	193.48	0.17	194.00	0.21
192.45	0.05	192.97	0.13	193.49	0.17	194.01	0.21
192.46	0.05	192.98	0.13	193.50	0.17	194.02	0.21
192.47	0.05	192.99	0.13	193.51	0.18	194.03	0.21
192.48	0.06	193.00	0.13	193.52	0.18	194.04	0.21
192.49	0.06	193.01	0.13	193.53	0.18	194.05	0.21
192.50	0.06	193.02	0.13	193.54	0.18	194.06	0.21
192.51	0.06	193.03	0.13	193.55	0.18	194.07	0.21

Stage-Discharge for Pond B-14: Basin #14 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.22	194.60	0.25	195.12	2.60	195.64	16.11
194.09	0.22	194.61	0.25	195.13	2.71	195.65	16.96
194.10	0.22	194.62	0.25	195.14	2.82	195.66	17.83
194.11	0.22	194.63	0.25	195.15	2.93	195.67	18.72
194.12	0.22	194.64	0.25	195.16	3.05	195.68	19.63
194.13	0.22	194.65	0.25	195.17	3.16	195.69	20.57
194.14	0.22	194.66	0.25	195.18	3.28	195.70	21.53
194.15	0.22	194.67	0.25	195.19	3.40	195.71	22.55
194.16	0.22	194.68	0.25	195.20	3.52	195.72	23.60
194.17	0.22	194.69	0.25	195.21	3.64	195.73	24.67
194.18	0.22	194.70	0.25	195.22	3.76	195.74	25.77
194.19	0.22	194.71	0.25	195.23	3.89	195.75	26.89
194.20	0.22	194.72	0.25	195.24	4.01	195.76	28.04
194.21	0.22	194.73	0.25	195.25	4.14	195.77	29.22
194.22	0.22	194.74	0.25	195.26	4.27	195.78	30.42
194.23	0.22	194.75	0.25	195.27	4.40	195.79	31.65
194.24	0.22	194.76	0.25	195.28	4.53	195.80	32.90
194.25	0.23	194.77	0.25	195.29	4.66	195.81	34.18
194.26	0.23	194.78	0.26	195.30	4.79	195.82	35.48
194.27	0.23	194.79	0.26	195.31	4.92	195.83	36.81
194.28	0.23	194.80	0.26	195.32	5.06	195.84	38.16
194.29	0.23	194.81	0.27	195.33	5.20	195.85	39.54
194.30	0.23	194.82	0.29	195.34	5.33	195.86	40.94
194.31	0.23	194.83	0.33	195.35	5.47	195.87	42.37
194.32	0.23	194.84	0.36	195.36	5.61	195.88	43.82
194.33	0.23	194.85	0.40	195.37	5.75	195.89	45.30
194.34	0.23	194.86	0.45	195.38	5.90	195.90	46.80
194.35	0.23	194.87	0.50	195.39	6.04	195.91	48.35
194.36	0.23	194.88	0.56	195.40	6.18	195.92	49.93
194.37	0.23	194.89	0.61	195.41	6.33	195.93	51.54
194.38	0.23	194.90	0.67	195.42	6.47	195.94	53.17
194.39	0.23	194.91	0.74	195.43	6.62	195.95	54.83
194.40	0.23	194.92	0.80	195.44	6.77	195.96	56.52
194.41	0.23	194.93	0.87	195.45	6.92	195.97	58.24
194.42	0.24	194.94	0.94	195.46	7.07	195.98	59.96
194.43	0.24	194.95	1.02	195.47	7.22	195.99	61.54
194.44	0.24	194.96	1.09	195.48	7.37	196.00	**63.16**
194.45	0.24	194.97	1.17	195.49	7.53		
194.46	0.24	194.98	1.26	195.50	7.68		
194.47	0.24	194.99	1.34	195.51	7.96		
194.48	0.24	195.00	1.42	195.52	8.33		
194.49	0.24	195.01	1.51	195.53	8.76		
194.50	0.24	195.02	1.60	195.54	9.25		
194.51	0.24	195.03	1.69	195.55	9.78		
194.52	0.24	195.04	1.79	195.56	10.35		
194.53	0.24	195.05	1.88	195.57	10.97		
194.54	0.24	195.06	1.98	195.58	11.61		
194.55	0.24	195.07	2.08	195.59	12.29		
194.56	0.24	195.08	2.18	195.60	13.00		
194.57	0.24	195.09	2.28	195.61	13.74		
194.58	0.24	195.10	2.39	195.62	14.50		
194.59	0.24	195.11	2.49	195.63	15.30		

Stage-Area-Storage for Pond B-14: Basin #14

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	**8,960**	0	192.52	8,960	4,659
192.01	8,960	90	192.53	8,960	4,749
192.02	8,960	179	192.54	8,960	4,838
192.03	8,960	269	192.55	8,960	4,928
192.04	8,960	358	192.56	8,960	5,018
192.05	8,960	448	192.57	8,960	5,107
192.06	8,960	538	192.58	8,960	5,197
192.07	8,960	627	192.59	8,960	5,286
192.08	8,960	717	192.60	8,960	5,376
192.09	8,960	806	192.61	8,960	5,466
192.10	8,960	896	192.62	8,960	5,555
192.11	8,960	986	192.63	8,960	5,645
192.12	8,960	1,075	192.64	8,960	5,734
192.13	8,960	1,165	192.65	8,960	5,824
192.14	8,960	1,254	192.66	8,960	5,914
192.15	8,960	1,344	192.67	8,960	6,003
192.16	8,960	1,434	192.68	8,960	6,093
192.17	8,960	1,523	192.69	8,960	6,182
192.18	8,960	1,613	192.70	8,960	6,272
192.19	8,960	1,702	192.71	8,960	6,362
192.20	8,960	1,792	192.72	8,960	6,451
192.21	8,960	1,882	192.73	8,960	6,541
192.22	8,960	1,971	192.74	8,960	6,630
192.23	8,960	2,061	192.75	8,960	6,720
192.24	8,960	2,150	192.76	8,960	6,810
192.25	8,960	2,240	192.77	8,960	6,899
192.26	8,960	2,330	192.78	8,960	6,989
192.27	8,960	2,419	192.79	8,960	7,078
192.28	8,960	2,509	192.80	8,960	7,168
192.29	8,960	2,598	192.81	8,960	7,258
192.30	8,960	2,688	192.82	8,960	7,347
192.31	8,960	2,778	192.83	8,960	7,437
192.32	8,960	2,867	192.84	8,960	7,526
192.33	8,960	2,957	192.85	8,960	7,616
192.34	8,960	3,046	192.86	8,960	7,706
192.35	8,960	3,136	192.87	8,960	7,795
192.36	8,960	3,226	192.88	8,960	7,885
192.37	8,960	3,315	192.89	8,960	7,974
192.38	8,960	3,405	192.90	8,960	8,064
192.39	8,960	3,494	192.91	8,960	8,154
192.40	8,960	3,584	192.92	8,960	8,243
192.41	8,960	3,674	192.93	8,960	8,333
192.42	8,960	3,763	192.94	8,960	8,422
192.43	8,960	3,853	192.95	8,960	8,512
192.44	8,960	3,942	192.96	8,960	8,602
192.45	8,960	4,032	192.97	8,960	8,691
192.46	8,960	4,122	192.98	8,960	8,781
192.47	8,960	4,211	192.99	8,960	8,870
192.48	8,960	4,301	193.00	8,960	8,960
192.49	8,960	4,390	193.01	8,960	9,050
192.50	8,960	4,480	193.02	8,960	9,139
192.51	8,960	4,570	193.03	8,960	9,229

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	8,960	9,318	193.56	8,960	13,978
193.05	8,960	9,408	193.57	8,960	14,067
193.06	8,960	9,498	193.58	8,960	14,157
193.07	8,960	9,587	193.59	8,960	14,246
193.08	8,960	9,677	193.60	8,960	14,336
193.09	8,960	9,766	193.61	8,960	14,426
193.10	8,960	9,856	193.62	8,960	14,515
193.11	8,960	9,946	193.63	8,960	14,605
193.12	8,960	10,035	193.64	8,960	14,694
193.13	8,960	10,125	193.65	8,960	14,784
193.14	8,960	10,214	193.66	8,960	14,874
193.15	8,960	10,304	193.67	8,960	14,963
193.16	8,960	10,394	193.68	8,960	15,053
193.17	8,960	10,483	193.69	8,960	15,142
193.18	8,960	10,573	193.70	8,960	15,232
193.19	8,960	10,662	193.71	8,960	15,322
193.20	8,960	10,752	193.72	8,960	15,411
193.21	8,960	10,842	193.73	8,960	15,501
193.22	8,960	10,931	193.74	8,960	15,590
193.23	8,960	11,021	193.75	8,960	15,680
193.24	8,960	11,110	193.76	8,960	15,770
193.25	8,960	11,200	193.77	8,960	15,859
193.26	8,960	11,290	193.78	8,960	15,949
193.27	8,960	11,379	193.79	8,960	16,038
193.28	8,960	11,469	193.80	8,960	16,128
193.29	8,960	11,558	193.81	8,960	16,218
193.30	8,960	11,648	193.82	8,960	16,307
193.31	8,960	11,738	193.83	8,960	16,397
193.32	8,960	11,827	193.84	8,960	16,486
193.33	8,960	11,917	193.85	8,960	16,576
193.34	8,960	12,006	193.86	8,960	16,666
193.35	8,960	12,096	193.87	8,960	16,755
193.36	8,960	12,186	193.88	8,960	16,845
193.37	8,960	12,275	193.89	8,960	16,934
193.38	8,960	12,365	193.90	8,960	17,024
193.39	8,960	12,454	193.91	8,960	17,114
193.40	8,960	12,544	193.92	8,960	17,203
193.41	8,960	12,634	193.93	8,960	17,293
193.42	8,960	12,723	193.94	8,960	17,382
193.43	8,960	12,813	193.95	8,960	17,472
193.44	8,960	12,902	193.96	8,960	17,562
193.45	8,960	12,992	193.97	8,960	17,651
193.46	8,960	13,082	193.98	8,960	17,741
193.47	8,960	13,171	193.99	8,960	17,830
193.48	8,960	13,261	194.00	8,960	17,920
193.49	8,960	13,350	194.01	8,960	18,010
193.50	8,960	13,440	194.02	8,960	18,099
193.51	8,960	13,530	194.03	8,960	18,189
193.52	8,960	13,619	194.04	8,960	18,278
193.53	8,960	13,709	194.05	8,960	18,368
193.54	8,960	13,798	194.06	8,960	18,458
193.55	8,960	13,888	194.07	8,960	18,547

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	8,960	18,637	194.60	8,960	23,296
194.09	8,960	18,726	194.61	8,960	23,386
194.10	8,960	18,816	194.62	8,960	23,475
194.11	8,960	18,906	194.63	8,960	23,565
194.12	8,960	18,995	194.64	8,960	23,654
194.13	8,960	19,085	194.65	8,960	23,744
194.14	8,960	19,174	194.66	8,960	23,834
194.15	8,960	19,264	194.67	8,960	23,923
194.16	8,960	19,354	194.68	8,960	24,013
194.17	8,960	19,443	194.69	8,960	24,102
194.18	8,960	19,533	194.70	8,960	24,192
194.19	8,960	19,622	194.71	8,960	24,282
194.20	8,960	19,712	194.72	8,960	24,371
194.21	8,960	19,802	194.73	8,960	24,461
194.22	8,960	19,891	194.74	8,960	24,550
194.23	8,960	19,981	194.75	8,960	24,640
194.24	8,960	20,070	194.76	8,960	24,730
194.25	8,960	20,160	194.77	8,960	24,819
194.26	8,960	20,250	194.78	8,960	24,909
194.27	8,960	20,339	194.79	8,960	24,998
194.28	8,960	20,429	194.80	8,960	25,088
194.29	8,960	20,518	194.81	8,960	25,178
194.30	8,960	20,608	194.82	8,960	25,267
194.31	8,960	20,698	194.83	8,960	25,357
194.32	8,960	20,787	194.84	8,960	25,446
194.33	8,960	20,877	194.85	8,960	25,536
194.34	8,960	20,966	194.86	8,960	25,626
194.35	8,960	21,056	194.87	8,960	25,715
194.36	8,960	21,146	194.88	8,960	25,805
194.37	8,960	21,235	194.89	8,960	25,894
194.38	8,960	21,325	194.90	8,960	25,984
194.39	8,960	21,414	194.91	8,960	26,074
194.40	8,960	21,504	194.92	8,960	26,163
194.41	8,960	21,594	194.93	8,960	26,253
194.42	8,960	21,683	194.94	8,960	26,342
194.43	8,960	21,773	194.95	8,960	26,432
194.44	8,960	21,862	194.96	8,960	26,522
194.45	8,960	21,952	194.97	8,960	26,611
194.46	8,960	22,042	194.98	8,960	26,701
194.47	8,960	22,131	194.99	8,960	26,790
194.48	8,960	22,221	195.00	8,960	26,880
194.49	8,960	22,310	195.01	8,960	26,970
194.50	8,960	22,400	195.02	8,960	27,059
194.51	8,960	22,490	195.03	8,960	27,149
194.52	8,960	22,579	195.04	8,960	27,238
194.53	8,960	22,669	195.05	8,960	27,328
194.54	8,960	22,758	195.06	8,960	27,418
194.55	8,960	22,848	195.07	8,960	27,507
194.56	8,960	22,938	195.08	8,960	27,597
194.57	8,960	23,027	195.09	8,960	27,686
194.58	8,960	23,117	195.10	8,960	27,776
194.59	8,960	23,206	195.11	8,960	27,866

Stage-Area-Storage for Pond B-14: Basin #14 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	8,960	27,955
195.13	8,960	28,045
195.14	8,960	28,134
195.15	8,960	28,224
195.16	8,960	28,314
195.17	8,960	28,403
195.18	8,960	28,493
195.19	8,960	28,582
195.20	8,960	28,672
195.21	8,960	28,762
195.22	8,960	28,851
195.23	8,960	28,941
195.24	8,960	29,030
195.25	8,960	29,120
195.26	8,960	29,210
195.27	8,960	29,299
195.28	8,960	29,389
195.29	8,960	29,478
195.30	8,960	29,568
195.31	8,960	29,658
195.32	8,960	29,747
195.33	8,960	29,837
195.34	8,960	29,926
195.35	8,960	30,016
195.36	8,960	30,106
195.37	8,960	30,195
195.38	8,960	30,285
195.39	8,960	30,374
195.40	8,960	30,464
195.41	8,960	30,554
195.42	8,960	30,643
195.43	8,960	30,733
195.44	8,960	30,822
195.45	8,960	30,912
195.46	8,960	31,002
195.47	8,960	31,091
195.48	8,960	31,181
195.49	8,960	31,270
195.50	8,960	31,360
195.51	8,960	31,450
195.52	8,960	31,539
195.53	8,960	31,629
195.54	8,960	31,718
195.55	8,960	31,808
195.56	8,960	31,898
195.57	8,960	31,987
195.58	8,960	32,077
195.59	8,960	32,166
195.60	8,960	32,256
195.61	8,960	32,346
195.62	8,960	32,435
195.63	8,960	32,525
195.64	8,960	32,614
195.65	8,960	32,704
195.66	8,960	32,794
195.67	8,960	32,883
195.68	8,960	32,973
195.69	8,960	33,062
195.70	8,960	33,152
195.71	8,960	33,242
195.72	8,960	33,331
195.73	8,960	33,421
195.74	8,960	33,510
195.75	8,960	33,600
195.76	8,960	33,690
195.77	8,960	33,779
195.78	8,960	33,869
195.79	8,960	33,958
195.80	8,960	34,048
195.81	8,960	34,138
195.82	8,960	34,227
195.83	8,960	34,317
195.84	8,960	34,406
195.85	8,960	34,496
195.86	8,960	34,586
195.87	8,960	34,675
195.88	8,960	34,765
195.89	8,960	34,854
195.90	8,960	34,944
195.91	8,960	35,034
195.92	8,960	35,123
195.93	8,960	35,213
195.94	8,960	35,302
195.95	8,960	35,392
195.96	8,960	35,482
195.97	8,960	35,571
195.98	8,960	35,661
195.99	8,960	35,750
196.00	8,960	**35,840**

Summary for Pond B-15: Basin #15

Inflow Area = 2.365 ac, 58.73% Impervious, Inflow Depth = 4.52" for Future 10 yr event
Inflow = 12.92 cfs @ 12.09 hrs, Volume= 0.891 af
Outflow = 6.12 cfs @ 12.20 hrs, Volume= 0.725 af, Atten= 53%, Lag= 6.9 min
Primary = 6.12 cfs @ 12.20 hrs, Volume= 0.725 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 198.60' @ 12.20 hrs Surf.Area= 7,058 sf Storage= 18,357 cf

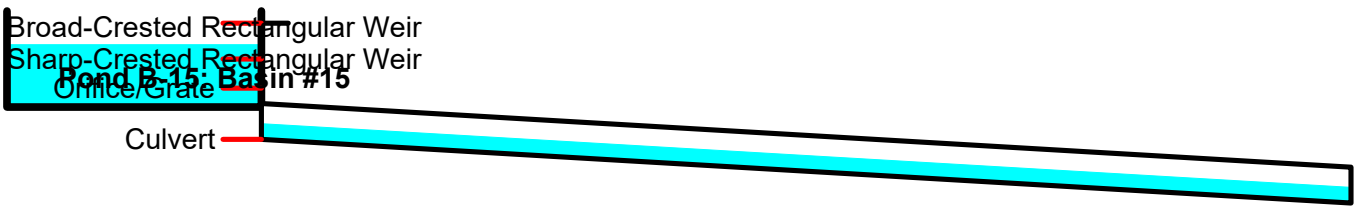
Plug-Flow detention time= 392.6 min calculated for 0.724 af (81% of inflow)
Center-of-Mass det. time= 315.4 min (1,083.2 - 767.9)

Volume	Invert	Avail.Storage	Storage Description
#1	196.00'	28,232 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

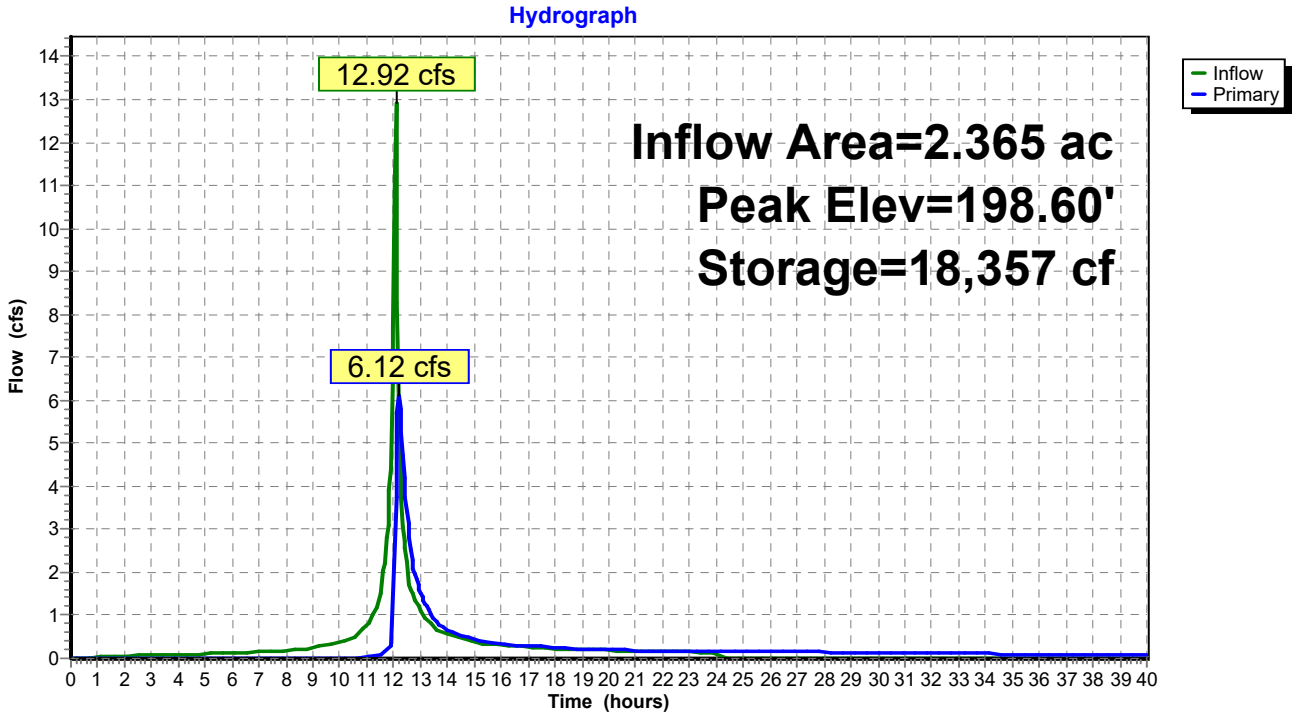
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
196.00	7,058	0	0
197.00	7,058	7,058	7,058
198.00	7,058	7,058	14,116
199.00	7,058	7,058	21,174
200.00	7,058	7,058	28,232

Device	Routing	Invert	Outlet Devices
#1	Primary	194.65'	**18.0" Round Culvert** L= 203.0' Ke= 0.500 Inlet / Outlet Invert= 194.65' / 192.00' S= 0.0131 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	196.78'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	198.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	199.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=6.10 cfs @ 12.20 hrs HW=198.60' (Free Discharge)
- **1=Culvert** (Passes 6.10 cfs of 14.03 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.31 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 5.89 cfs @ 2.53 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-15: Basin #15



Hydrograph for Pond B-15: Basin #15

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	196.00	0.00
0.10	0.00	0	196.00	0.00
0.20	0.00	0	196.00	0.00
0.30	0.00	0	196.00	0.00
0.40	0.00	0	196.00	0.00
0.50	0.00	0	196.00	0.00
0.60	0.00	0	196.00	0.00
0.70	0.00	0	196.00	0.00
0.80	0.01	1	196.00	0.00
0.90	0.01	5	196.00	0.00
1.00	0.02	9	196.00	0.00
1.10	0.02	16	196.00	0.00
1.20	0.02	24	196.00	0.00
1.30	0.03	33	196.00	0.00
1.40	0.03	44	196.01	0.00
1.50	0.04	56	196.01	0.00
1.60	0.04	70	196.01	0.00
1.70	0.04	84	196.01	0.00
1.80	0.04	100	196.01	0.00
1.90	0.05	116	196.02	0.00
2.00	0.05	134	196.02	0.00
2.10	0.05	153	196.02	0.00
2.20	0.06	172	196.02	0.00
2.30	0.06	193	196.03	0.00
2.40	0.06	215	196.03	0.00
2.50	0.06	237	196.03	0.00
2.60	0.07	260	196.04	0.00
2.70	0.07	284	196.04	0.00
2.80	0.07	308	196.04	0.00
2.90	0.07	334	196.05	0.00
3.00	0.07	360	196.05	0.00
3.10	0.08	387	196.05	0.00
3.20	0.08	414	196.06	0.00
3.30	0.08	442	196.06	0.00
3.40	0.08	471	196.07	0.00
3.50	0.08	501	196.07	0.00
3.60	0.08	531	196.08	0.00
3.70	0.09	562	196.08	0.00
3.80	0.09	593	196.08	0.00
3.90	0.09	625	196.09	0.00
4.00	0.09	657	196.09	0.00
4.10	0.09	690	196.10	0.00
4.20	0.09	723	196.10	0.00
4.30	0.10	757	196.11	0.00
4.40	0.10	792	196.11	0.00
4.50	0.10	827	196.12	0.00
4.60	0.10	863	196.12	0.00
4.70	0.10	899	196.13	0.00
4.80	0.10	935	196.13	0.00
4.90	0.10	972	196.14	0.00
5.00	0.10	1,010	196.14	0.00
5.10	0.11	1,048	196.15	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,086	196.15	0.00
5.30	0.11	1,125	196.16	0.00
5.40	0.11	1,164	196.16	0.00
5.50	0.11	1,204	196.17	0.00
5.60	0.11	1,244	196.18	0.00
5.70	0.11	1,285	196.18	0.00
5.80	0.11	1,326	196.19	0.00
5.90	0.12	1,367	196.19	0.00
6.00	0.12	1,409	196.20	0.00
6.10	0.12	1,452	196.21	0.00
6.20	0.12	1,496	196.21	0.00
6.30	0.13	1,541	196.22	0.00
6.40	0.13	1,588	196.22	0.00
6.50	0.13	1,635	196.23	0.00
6.60	0.14	1,684	196.24	0.00
6.70	0.14	1,734	196.25	0.00
6.80	0.14	1,786	196.25	0.00
6.90	0.15	1,838	196.26	0.00
7.00	0.15	1,892	196.27	0.00
7.10	0.15	1,947	196.28	0.00
7.20	0.16	2,003	196.28	0.00
7.30	0.16	2,060	196.29	0.00
7.40	0.16	2,119	196.30	0.00
7.50	0.17	2,179	196.31	0.00
7.60	0.17	2,240	196.32	0.00
7.70	0.17	2,302	196.33	0.00
7.80	0.18	2,366	196.34	0.00
7.90	0.18	2,431	196.34	0.00
8.00	0.19	2,497	196.35	0.00
8.10	0.19	2,564	196.36	0.00
8.20	0.19	2,633	196.37	0.00
8.30	0.20	2,703	196.38	0.00
8.40	0.20	2,774	196.39	0.00
8.50	0.21	2,848	196.40	0.00
8.60	0.21	2,923	196.41	0.00
8.70	0.22	3,000	196.43	0.00
8.80	0.22	3,079	196.44	0.00
8.90	0.23	3,159	196.45	0.00
9.00	0.23	3,241	196.46	0.00
9.10	0.24	3,327	196.47	0.00
9.20	0.26	3,418	196.48	0.00
9.30	0.27	3,514	196.50	0.00
9.40	0.29	3,616	196.51	0.00
9.50	0.30	3,723	196.53	0.00
9.60	0.32	3,835	196.54	0.00
9.70	0.33	3,953	196.56	0.00
9.80	0.35	4,076	196.58	0.00
9.90	0.37	4,205	196.60	0.00
10.00	0.38	4,340	196.61	0.00
10.10	0.40	4,480	196.63	0.00
10.20	0.41	4,627	196.66	0.00
10.30	0.43	4,780	196.68	0.00

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.45	4,938	196.70	0.00
10.50	0.47	5,104	196.72	0.00
10.60	0.52	5,283	196.75	0.00
10.70	0.58	5,484	196.78	0.00
10.80	0.64	5,705	196.81	0.00
10.90	0.70	5,946	196.84	0.01
11.00	0.76	6,207	196.88	0.02
11.10	0.87	6,497	196.92	0.03
11.20	0.99	6,822	196.97	0.05
11.30	1.11	7,183	197.02	0.06
11.40	1.23	7,583	197.07	0.07
11.50	1.35	8,020	197.14	0.08
11.60	2.04	8,621	197.22	0.10
11.70	2.25	9,360	197.33	0.11
11.80	3.09	10,302	197.46	0.12
11.90	4.41	11,633	197.65	0.14
12.00	7.69	13,834	197.96	0.17
12.10	**12.75**	17,112	198.42	3.75
12.20	5.79	**18,356**	**198.60**	**6.12**
12.30	3.76	17,931	198.54	5.27
12.40	2.73	17,364	198.46	4.20
12.50	2.49	16,932	198.40	3.43
12.60	1.72	16,546	198.34	2.80
12.70	1.53	16,214	198.30	2.29
12.80	1.40	15,979	198.26	1.95
12.90	1.27	15,801	198.24	1.70
13.00	1.14	15,654	198.22	1.51
13.10	1.01	15,523	198.20	1.34
13.20	0.93	15,410	198.18	1.21
13.30	0.86	15,315	198.17	1.10
13.40	0.78	15,231	198.16	1.00
13.50	0.71	15,153	198.15	0.92
13.60	0.64	15,079	198.14	0.84
13.70	0.62	15,014	198.13	0.78
13.80	0.60	14,963	198.12	0.72
13.90	0.58	14,922	198.11	0.69
14.00	0.56	14,886	198.11	0.66
14.10	0.54	14,854	198.10	0.63
14.20	0.53	14,825	198.10	0.60
14.30	0.51	14,799	198.10	0.58
14.40	0.49	14,773	198.09	0.56
14.50	0.47	14,749	198.09	0.53
14.60	0.45	14,726	198.09	0.51
14.70	0.43	14,703	198.08	0.49
14.80	0.41	14,681	198.08	0.47
14.90	0.39	14,658	198.08	0.46
15.00	0.38	14,634	198.07	0.44
15.10	0.36	14,609	198.07	0.43
15.20	0.35	14,587	198.07	0.41
15.30	0.35	14,567	198.06	0.40
15.40	0.34	14,550	198.06	0.38
15.50	0.34	14,535	198.06	0.37

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.33	14,522	198.06	0.37
15.70	0.33	14,510	198.06	0.36
15.80	0.32	14,499	198.05	0.35
15.90	0.32	14,489	198.05	0.34
16.00	0.31	14,480	198.05	0.34
16.10	0.31	14,471	198.05	0.33
16.20	0.30	14,462	198.05	0.32
16.30	0.30	14,454	198.05	0.32
16.40	0.29	14,446	198.05	0.31
16.50	0.29	14,438	198.05	0.31
16.60	0.28	14,430	198.04	0.30
16.70	0.28	14,423	198.04	0.30
16.80	0.27	14,415	198.04	0.29
16.90	0.27	14,407	198.04	0.29
17.00	0.26	14,400	198.04	0.28
17.10	0.26	14,392	198.04	0.28
17.20	0.25	14,384	198.04	0.28
17.30	0.25	14,375	198.04	0.27
17.40	0.24	14,365	198.04	0.27
17.50	0.24	14,355	198.03	0.26
17.60	0.23	14,345	198.03	0.26
17.70	0.23	14,334	198.03	0.26
17.80	0.22	14,323	198.03	0.25
17.90	0.22	14,312	198.03	0.25
18.00	0.21	14,300	198.03	0.24
18.10	0.21	14,289	198.02	0.24
18.20	0.20	14,277	198.02	0.23
18.30	0.20	14,267	198.02	0.23
18.40	0.20	14,257	198.02	0.23
18.50	0.20	14,249	198.02	0.22
18.60	0.20	14,241	198.02	0.22
18.70	0.20	14,233	198.02	0.22
18.80	0.20	14,227	198.02	0.22
18.90	0.20	14,220	198.01	0.21
19.00	0.19	14,214	198.01	0.21
19.10	0.19	14,209	198.01	0.21
19.20	0.19	14,203	198.01	0.21
19.30	0.19	14,198	198.01	0.20
19.40	0.19	14,193	198.01	0.20
19.50	0.19	14,189	198.01	0.20
19.60	0.19	14,184	198.01	0.20
19.70	0.19	14,180	198.01	0.20
19.80	0.19	14,176	198.01	0.20
19.90	0.18	14,172	198.01	0.19
20.00	0.18	14,168	198.01	0.19
20.10	0.18	14,164	198.01	0.19
20.20	0.18	14,160	198.01	0.19
20.30	0.18	14,157	198.01	0.19
20.40	0.18	14,153	198.01	0.19
20.50	0.18	14,149	198.00	0.19
20.60	0.18	14,146	198.00	0.18
20.70	0.17	14,142	198.00	0.18

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.17	14,139	198.00	0.18
20.90	0.17	14,135	198.00	0.18
21.00	0.17	14,132	198.00	0.18
21.10	0.17	14,128	198.00	0.18
21.20	0.17	14,125	198.00	0.18
21.30	0.17	14,122	198.00	0.18
21.40	0.16	14,118	198.00	0.17
21.50	0.16	14,115	198.00	0.17
21.60	0.16	14,111	198.00	0.17
21.70	0.16	14,107	198.00	0.17
21.80	0.16	14,102	198.00	0.17
21.90	0.16	14,097	198.00	0.17
22.00	0.16	14,092	198.00	0.17
22.10	0.16	14,086	198.00	0.17
22.20	0.16	14,079	197.99	0.17
22.30	0.15	14,073	197.99	0.17
22.40	0.15	14,066	197.99	0.17
22.50	0.15	14,058	197.99	0.17
22.60	0.15	14,050	197.99	0.17
22.70	0.15	14,042	197.99	0.17
22.80	0.15	14,033	197.99	0.17
22.90	0.15	14,023	197.99	0.17
23.00	0.15	14,013	197.99	0.17
23.10	0.14	14,003	197.98	0.17
23.20	0.14	13,993	197.98	0.17
23.30	0.14	13,982	197.98	0.17
23.40	0.14	13,970	197.98	0.17
23.50	0.14	13,959	197.98	0.17
23.60	0.14	13,946	197.98	0.17
23.70	0.14	13,934	197.97	0.17
23.80	0.13	13,921	197.97	0.17
23.90	0.13	13,908	197.97	0.17
24.00	0.16	13,899	197.97	0.17
24.10	0.02	13,867	197.96	0.17
24.20	0.00	13,808	197.96	0.17
24.30	0.00	13,748	197.95	0.17
24.40	0.00	13,687	197.94	0.17
24.50	0.00	13,626	197.93	0.17
24.60	0.00	13,566	197.92	0.17
24.70	0.00	13,506	197.91	0.17
24.80	0.00	13,446	197.91	0.17
24.90	0.00	13,386	197.90	0.17
25.00	0.00	13,327	197.89	0.16
25.10	0.00	13,268	197.88	0.16
25.20	0.00	13,209	197.87	0.16
25.30	0.00	13,151	197.86	0.16
25.40	0.00	13,092	197.85	0.16
25.50	0.00	13,034	197.85	0.16
25.60	0.00	12,976	197.84	0.16
25.70	0.00	12,919	197.83	0.16
25.80	0.00	12,861	197.82	0.16
25.90	0.00	12,804	197.81	0.16

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,747	197.81	0.16
26.10	0.00	12,691	197.80	0.16
26.20	0.00	12,634	197.79	0.16
26.30	0.00	12,578	197.78	0.16
26.40	0.00	12,522	197.77	0.15
26.50	0.00	12,467	197.77	0.15
26.60	0.00	12,411	197.76	0.15
26.70	0.00	12,356	197.75	0.15
26.80	0.00	12,301	197.74	0.15
26.90	0.00	12,247	197.74	0.15
27.00	0.00	12,192	197.73	0.15
27.10	0.00	12,138	197.72	0.15
27.20	0.00	12,084	197.71	0.15
27.30	0.00	12,031	197.70	0.15
27.40	0.00	11,977	197.70	0.15
27.50	0.00	11,924	197.69	0.15
27.60	0.00	11,871	197.68	0.15
27.70	0.00	11,819	197.67	0.15
27.80	0.00	11,766	197.67	0.15
27.90	0.00	11,714	197.66	0.14
28.00	0.00	11,662	197.65	0.14
28.10	0.00	11,610	197.65	0.14
28.20	0.00	11,559	197.64	0.14
28.30	0.00	11,508	197.63	0.14
28.40	0.00	11,457	197.62	0.14
28.50	0.00	11,406	197.62	0.14
28.60	0.00	11,356	197.61	0.14
28.70	0.00	11,306	197.60	0.14
28.80	0.00	11,256	197.59	0.14
28.90	0.00	11,206	197.59	0.14
29.00	0.00	11,157	197.58	0.14
29.10	0.00	11,107	197.57	0.14
29.20	0.00	11,059	197.57	0.14
29.30	0.00	11,010	197.56	0.13
29.40	0.00	10,961	197.55	0.13
29.50	0.00	10,913	197.55	0.13
29.60	0.00	10,865	197.54	0.13
29.70	0.00	10,818	197.53	0.13
29.80	0.00	10,770	197.53	0.13
29.90	0.00	10,723	197.52	0.13
30.00	0.00	10,676	197.51	0.13
30.10	0.00	10,629	197.51	0.13
30.20	0.00	10,583	197.50	0.13
30.30	0.00	10,537	197.49	0.13
30.40	0.00	10,491	197.49	0.13
30.50	0.00	10,445	197.48	0.13
30.60	0.00	10,399	197.47	0.13
30.70	0.00	10,354	197.47	0.13
30.80	0.00	10,309	197.46	0.12
30.90	0.00	10,264	197.45	0.12
31.00	0.00	10,220	197.45	0.12
31.10	0.00	10,176	197.44	0.12

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,132	197.44	0.12
31.30	0.00	10,088	197.43	0.12
31.40	0.00	10,044	197.42	0.12
31.50	0.00	10,001	197.42	0.12
31.60	0.00	9,958	197.41	0.12
31.70	0.00	9,915	197.40	0.12
31.80	0.00	9,873	197.40	0.12
31.90	0.00	9,831	197.39	0.12
32.00	0.00	9,789	197.39	0.12
32.10	0.00	9,747	197.38	0.12
32.20	0.00	9,705	197.38	0.11
32.30	0.00	9,664	197.37	0.11
32.40	0.00	9,623	197.36	0.11
32.50	0.00	9,582	197.36	0.11
32.60	0.00	9,542	197.35	0.11
32.70	0.00	9,501	197.35	0.11
32.80	0.00	9,461	197.34	0.11
32.90	0.00	9,422	197.33	0.11
33.00	0.00	9,382	197.33	0.11
33.10	0.00	9,343	197.32	0.11
33.20	0.00	9,304	197.32	0.11
33.30	0.00	9,265	197.31	0.11
33.40	0.00	9,226	197.31	0.11
33.50	0.00	9,188	197.30	0.11
33.60	0.00	9,150	197.30	0.11
33.70	0.00	9,112	197.29	0.10
33.80	0.00	9,075	197.29	0.10
33.90	0.00	9,037	197.28	0.10
34.00	0.00	9,000	197.28	0.10
34.10	0.00	8,964	197.27	0.10
34.20	0.00	8,927	197.26	0.10
34.30	0.00	8,891	197.26	0.10
34.40	0.00	8,855	197.25	0.10
34.50	0.00	8,819	197.25	0.10
34.60	0.00	8,783	197.24	0.10
34.70	0.00	8,748	197.24	0.10
34.80	0.00	8,713	197.23	0.10
34.90	0.00	8,678	197.23	0.10
35.00	0.00	8,643	197.22	0.10
35.10	0.00	8,609	197.22	0.10
35.20	0.00	8,575	197.21	0.09
35.30	0.00	8,541	197.21	0.09
35.40	0.00	8,507	197.21	0.09
35.50	0.00	8,474	197.20	0.09
35.60	0.00	8,441	197.20	0.09
35.70	0.00	8,408	197.19	0.09
35.80	0.00	8,375	197.19	0.09
35.90	0.00	8,343	197.18	0.09
36.00	0.00	8,311	197.18	0.09
36.10	0.00	8,279	197.17	0.09
36.20	0.00	8,248	197.17	0.09
36.30	0.00	8,216	197.16	0.09

Hydrograph for Pond B-15: Basin #15 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	8,185	197.16	0.09
36.50	0.00	8,154	197.16	0.09
36.60	0.00	8,123	197.15	0.08
36.70	0.00	8,093	197.15	0.08
36.80	0.00	8,063	197.14	0.08
36.90	0.00	8,033	197.14	0.08
37.00	0.00	8,003	197.13	0.08
37.10	0.00	7,974	197.13	0.08
37.20	0.00	7,945	197.13	0.08
37.30	0.00	7,916	197.12	0.08
37.40	0.00	7,887	197.12	0.08
37.50	0.00	7,859	197.11	0.08
37.60	0.00	7,831	197.11	0.08
37.70	0.00	7,803	197.11	0.08
37.80	0.00	7,775	197.10	0.08
37.90	0.00	7,748	197.10	0.08
38.00	0.00	7,721	197.09	0.08
38.10	0.00	7,694	197.09	0.07
38.20	0.00	7,667	197.09	0.07
38.30	0.00	7,641	197.08	0.07
38.40	0.00	7,614	197.08	0.07
38.50	0.00	7,589	197.08	0.07
38.60	0.00	7,563	197.07	0.07
38.70	0.00	7,537	197.07	0.07
38.80	0.00	7,512	197.06	0.07
38.90	0.00	7,487	197.06	0.07
39.00	0.00	7,463	197.06	0.07
39.10	0.00	7,438	197.05	0.07
39.20	0.00	7,414	197.05	0.07
39.30	0.00	7,390	197.05	0.07
39.40	0.00	7,366	197.04	0.07
39.50	0.00	7,343	197.04	0.06
39.60	0.00	7,320	197.04	0.06
39.70	0.00	7,297	197.03	0.06
39.80	0.00	7,274	197.03	0.06
39.90	0.00	7,252	197.03	0.06
40.00	0.00	7,229	197.02	0.06

Stage-Discharge for Pond B-15: Basin #15

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
196.00	0.00	196.52	0.00	197.04	0.06	197.56	0.13
196.01	0.00	196.53	0.00	197.05	0.07	197.57	0.14
196.02	0.00	196.54	0.00	197.06	0.07	197.58	0.14
196.03	0.00	196.55	0.00	197.07	0.07	197.59	0.14
196.04	0.00	196.56	0.00	197.08	0.07	197.60	0.14
196.05	0.00	196.57	0.00	197.09	0.07	197.61	0.14
196.06	0.00	196.58	0.00	197.10	0.08	197.62	0.14
196.07	0.00	196.59	0.00	197.11	0.08	197.63	0.14
196.08	0.00	196.60	0.00	197.12	0.08	197.64	0.14
196.09	0.00	196.61	0.00	197.13	0.08	197.65	0.14
196.10	0.00	196.62	0.00	197.14	0.08	197.66	0.14
196.11	0.00	196.63	0.00	197.15	0.08	197.67	0.15
196.12	0.00	196.64	0.00	197.16	0.09	197.68	0.15
196.13	0.00	196.65	0.00	197.17	0.09	197.69	0.15
196.14	0.00	196.66	0.00	197.18	0.09	197.70	0.15
196.15	0.00	196.67	0.00	197.19	0.09	197.71	0.15
196.16	0.00	196.68	0.00	197.20	0.09	197.72	0.15
196.17	0.00	196.69	0.00	197.21	0.09	197.73	0.15
196.18	0.00	196.70	0.00	197.22	0.10	197.74	0.15
196.19	0.00	196.71	0.00	197.23	0.10	197.75	0.15
196.20	0.00	196.72	0.00	197.24	0.10	197.76	0.15
196.21	0.00	196.73	0.00	197.25	0.10	197.77	0.15
196.22	0.00	196.74	0.00	197.26	0.10	197.78	0.16
196.23	0.00	196.75	0.00	197.27	0.10	197.79	0.16
196.24	0.00	196.76	0.00	197.28	0.10	197.80	0.16
196.25	0.00	196.77	0.00	197.29	0.10	197.81	0.16
196.26	0.00	196.78	0.00	197.30	0.11	197.82	0.16
196.27	0.00	196.79	0.00	197.31	0.11	197.83	0.16
196.28	0.00	196.80	0.00	197.32	0.11	197.84	0.16
196.29	0.00	196.81	0.00	197.33	0.11	197.85	0.16
196.30	0.00	196.82	0.00	197.34	0.11	197.86	0.16
196.31	0.00	196.83	0.00	197.35	0.11	197.87	0.16
196.32	0.00	196.84	0.01	197.36	0.11	197.88	0.16
196.33	0.00	196.85	0.01	197.37	0.11	197.89	0.16
196.34	0.00	196.86	0.01	197.38	0.12	197.90	0.17
196.35	0.00	196.87	0.01	197.39	0.12	197.91	0.17
196.36	0.00	196.88	0.02	197.40	0.12	197.92	0.17
196.37	0.00	196.89	0.02	197.41	0.12	197.93	0.17
196.38	0.00	196.90	0.02	197.42	0.12	197.94	0.17
196.39	0.00	196.91	0.03	197.43	0.12	197.95	0.17
196.40	0.00	196.92	0.03	197.44	0.12	197.96	0.17
196.41	0.00	196.93	0.03	197.45	0.12	197.97	0.17
196.42	0.00	196.94	0.04	197.46	0.12	197.98	0.17
196.43	0.00	196.95	0.04	197.47	0.13	197.99	0.17
196.44	0.00	196.96	0.05	197.48	0.13	198.00	0.17
196.45	0.00	196.97	0.05	197.49	0.13	198.01	0.19
196.46	0.00	196.98	0.05	197.50	0.13	198.02	0.21
196.47	0.00	196.99	0.05	197.51	0.13	198.03	0.24
196.48	0.00	197.00	0.06	197.52	0.13	198.04	0.28
196.49	0.00	197.01	0.06	197.53	0.13	198.05	0.32
196.50	0.00	197.02	0.06	197.54	0.13	198.06	0.37
196.51	0.00	197.03	0.06	197.55	0.13	198.07	0.42

Stage-Discharge for Pond B-15: Basin #15 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.08	0.47	198.60	6.11	199.12	14.73	199.64	21.56
198.09	0.53	198.61	6.26	199.13	14.74	199.65	22.25
198.10	0.59	198.62	6.40	199.14	14.75	199.66	22.96
198.11	0.66	198.63	6.55	199.15	14.76	199.67	23.70
198.12	0.72	198.64	6.70	199.16	14.78	199.68	24.45
198.13	0.79	198.65	6.85	199.17	14.79	199.69	25.23
198.14	0.86	198.66	7.00	199.18	14.80	199.70	26.03
198.15	0.94	198.67	7.15	199.19	14.82	199.71	26.89
198.16	1.02	198.68	7.31	199.20	14.83	199.72	27.78
198.17	1.10	198.69	7.46	199.21	14.84	199.73	28.69
198.18	1.18	198.70	7.61	199.22	14.86	199.74	29.62
198.19	1.26	198.71	7.77	199.23	14.87	199.75	30.58
198.20	1.35	198.72	7.93	199.24	14.88	199.76	31.57
198.21	1.43	198.73	8.08	199.25	14.89	199.77	32.58
198.22	1.52	198.74	8.24	199.26	14.91	199.78	33.61
198.23	1.62	198.75	8.40	199.27	14.92	199.79	34.67
198.24	1.71	198.76	8.56	199.28	14.93	199.80	35.76
198.25	1.81	198.77	8.72	199.29	14.95	199.81	36.87
198.26	1.90	198.78	8.89	199.30	14.96	199.82	38.00
198.27	2.00	198.79	9.05	199.31	14.97	199.83	39.16
198.28	2.10	198.80	9.21	199.32	14.98	199.84	40.34
198.29	2.21	198.81	9.38	199.33	15.00	199.85	41.55
198.30	2.31	198.82	9.54	199.34	15.01	199.86	42.78
198.31	2.42	198.83	9.71	199.35	15.02	199.87	44.03
198.32	2.53	198.84	9.88	199.36	15.04	199.88	45.31
198.33	2.64	198.85	10.04	199.37	15.05	199.89	46.62
198.34	2.75	198.86	10.21	199.38	15.06	199.90	47.94
198.35	2.86	198.87	10.38	199.39	15.07	199.91	49.32
198.36	2.97	198.88	10.55	199.40	15.09	199.92	50.73
198.37	3.09	198.89	10.73	199.41	15.10	199.93	52.16
198.38	3.21	198.90	10.90	199.42	15.11	199.94	53.61
198.39	3.32	198.91	11.07	199.43	15.13	199.95	55.09
198.40	3.44	198.92	11.25	199.44	15.14	199.96	56.60
198.41	3.57	198.93	11.42	199.45	15.15	199.97	58.14
198.42	3.69	198.94	11.60	199.46	15.16	199.98	59.70
198.43	3.81	198.95	11.77	199.47	15.18	199.99	61.29
198.44	3.94	198.96	11.95	199.48	15.19	200.00	**62.90**
198.45	4.06	198.97	12.13	199.49	15.20		
198.46	4.19	198.98	12.31	199.50	15.21		
198.47	4.32	198.99	12.48	199.51	15.34		
198.48	4.45	199.00	12.66	199.52	15.57		
198.49	4.58	199.01	12.85	199.53	15.86		
198.50	4.72	199.02	13.03	199.54	16.20		
198.51	4.85	199.03	13.21	199.55	16.59		
198.52	4.99	199.04	13.39	199.56	17.02		
198.53	5.12	199.05	13.58	199.57	17.48		
198.54	5.26	199.06	13.76	199.58	17.97		
198.55	5.40	199.07	13.95	199.59	18.50		
198.56	5.54	199.08	14.13	199.60	19.06		
198.57	5.68	199.09	14.32	199.61	19.64		
198.58	5.82	199.10	14.50	199.62	20.26		
198.59	5.97	199.11	14.69	199.63	20.90		

Stage-Area-Storage for Pond B-15: Basin #15

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.00	**7,058**	0	196.52	7,058	3,670
196.01	7,058	71	196.53	7,058	3,741
196.02	7,058	141	196.54	7,058	3,811
196.03	7,058	212	196.55	7,058	3,882
196.04	7,058	282	196.56	7,058	3,952
196.05	7,058	353	196.57	7,058	4,023
196.06	7,058	423	196.58	7,058	4,094
196.07	7,058	494	196.59	7,058	4,164
196.08	7,058	565	196.60	7,058	4,235
196.09	7,058	635	196.61	7,058	4,305
196.10	7,058	706	196.62	7,058	4,376
196.11	7,058	776	196.63	7,058	4,447
196.12	7,058	847	196.64	7,058	4,517
196.13	7,058	918	196.65	7,058	4,588
196.14	7,058	988	196.66	7,058	4,658
196.15	7,058	1,059	196.67	7,058	4,729
196.16	7,058	1,129	196.68	7,058	4,799
196.17	7,058	1,200	196.69	7,058	4,870
196.18	7,058	1,270	196.70	7,058	4,941
196.19	7,058	1,341	196.71	7,058	5,011
196.20	7,058	1,412	196.72	7,058	5,082
196.21	7,058	1,482	196.73	7,058	5,152
196.22	7,058	1,553	196.74	7,058	5,223
196.23	7,058	1,623	196.75	7,058	5,294
196.24	7,058	1,694	196.76	7,058	5,364
196.25	7,058	1,765	196.77	7,058	5,435
196.26	7,058	1,835	196.78	7,058	5,505
196.27	7,058	1,906	196.79	7,058	5,576
196.28	7,058	1,976	196.80	7,058	5,646
196.29	7,058	2,047	196.81	7,058	5,717
196.30	7,058	2,117	196.82	7,058	5,788
196.31	7,058	2,188	196.83	7,058	5,858
196.32	7,058	2,259	196.84	7,058	5,929
196.33	7,058	2,329	196.85	7,058	5,999
196.34	7,058	2,400	196.86	7,058	6,070
196.35	7,058	2,470	196.87	7,058	6,140
196.36	7,058	2,541	196.88	7,058	6,211
196.37	7,058	2,611	196.89	7,058	6,282
196.38	7,058	2,682	196.90	7,058	6,352
196.39	7,058	2,753	196.91	7,058	6,423
196.40	7,058	2,823	196.92	7,058	6,493
196.41	7,058	2,894	196.93	7,058	6,564
196.42	7,058	2,964	196.94	7,058	6,635
196.43	7,058	3,035	196.95	7,058	6,705
196.44	7,058	3,106	196.96	7,058	6,776
196.45	7,058	3,176	196.97	7,058	6,846
196.46	7,058	3,247	196.98	7,058	6,917
196.47	7,058	3,317	196.99	7,058	6,987
196.48	7,058	3,388	197.00	7,058	7,058
196.49	7,058	3,458	197.01	7,058	7,129
196.50	7,058	3,529	197.02	7,058	7,199
196.51	7,058	3,600	197.03	7,058	7,270

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.04	7,058	7,340	197.56	7,058	11,010
197.05	7,058	7,411	197.57	7,058	11,081
197.06	7,058	7,481	197.58	7,058	11,152
197.07	7,058	7,552	197.59	7,058	11,222
197.08	7,058	7,623	197.60	7,058	11,293
197.09	7,058	7,693	197.61	7,058	11,363
197.10	7,058	7,764	197.62	7,058	11,434
197.11	7,058	7,834	197.63	7,058	11,505
197.12	7,058	7,905	197.64	7,058	11,575
197.13	7,058	7,976	197.65	7,058	11,646
197.14	7,058	8,046	197.66	7,058	11,716
197.15	7,058	8,117	197.67	7,058	11,787
197.16	7,058	8,187	197.68	7,058	11,857
197.17	7,058	8,258	197.69	7,058	11,928
197.18	7,058	8,328	197.70	7,058	11,999
197.19	7,058	8,399	197.71	7,058	12,069
197.20	7,058	8,470	197.72	7,058	12,140
197.21	7,058	8,540	197.73	7,058	12,210
197.22	7,058	8,611	197.74	7,058	12,281
197.23	7,058	8,681	197.75	7,058	12,352
197.24	7,058	8,752	197.76	7,058	12,422
197.25	7,058	8,823	197.77	7,058	12,493
197.26	7,058	8,893	197.78	7,058	12,563
197.27	7,058	8,964	197.79	7,058	12,634
197.28	7,058	9,034	197.80	7,058	12,704
197.29	7,058	9,105	197.81	7,058	12,775
197.30	7,058	9,175	197.82	7,058	12,846
197.31	7,058	9,246	197.83	7,058	12,916
197.32	7,058	9,317	197.84	7,058	12,987
197.33	7,058	9,387	197.85	7,058	13,057
197.34	7,058	9,458	197.86	7,058	13,128
197.35	7,058	9,528	197.87	7,058	13,198
197.36	7,058	9,599	197.88	7,058	13,269
197.37	7,058	9,669	197.89	7,058	13,340
197.38	7,058	9,740	197.90	7,058	13,410
197.39	7,058	9,811	197.91	7,058	13,481
197.40	7,058	9,881	197.92	7,058	13,551
197.41	7,058	9,952	197.93	7,058	13,622
197.42	7,058	10,022	197.94	7,058	13,693
197.43	7,058	10,093	197.95	7,058	13,763
197.44	7,058	10,164	197.96	7,058	13,834
197.45	7,058	10,234	197.97	7,058	13,904
197.46	7,058	10,305	197.98	7,058	13,975
197.47	7,058	10,375	197.99	7,058	14,045
197.48	7,058	10,446	198.00	7,058	14,116
197.49	7,058	10,516	198.01	7,058	14,187
197.50	7,058	10,587	198.02	7,058	14,257
197.51	7,058	10,658	198.03	7,058	14,328
197.52	7,058	10,728	198.04	7,058	14,398
197.53	7,058	10,799	198.05	7,058	14,469
197.54	7,058	10,869	198.06	7,058	14,539
197.55	7,058	10,940	198.07	7,058	14,610

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.08	7,058	14,681	198.60	7,058	18,351
198.09	7,058	14,751	198.61	7,058	18,421
198.10	7,058	14,822	198.62	7,058	18,492
198.11	7,058	14,892	198.63	7,058	18,563
198.12	7,058	14,963	198.64	7,058	18,633
198.13	7,058	15,034	198.65	7,058	18,704
198.14	7,058	15,104	198.66	7,058	18,774
198.15	7,058	15,175	198.67	7,058	18,845
198.16	7,058	15,245	198.68	7,058	18,915
198.17	7,058	15,316	198.69	7,058	18,986
198.18	7,058	15,386	198.70	7,058	19,057
198.19	7,058	15,457	198.71	7,058	19,127
198.20	7,058	15,528	198.72	7,058	19,198
198.21	7,058	15,598	198.73	7,058	19,268
198.22	7,058	15,669	198.74	7,058	19,339
198.23	7,058	15,739	198.75	7,058	19,410
198.24	7,058	15,810	198.76	7,058	19,480
198.25	7,058	15,881	198.77	7,058	19,551
198.26	7,058	15,951	198.78	7,058	19,621
198.27	7,058	16,022	198.79	7,058	19,692
198.28	7,058	16,092	198.80	7,058	19,762
198.29	7,058	16,163	198.81	7,058	19,833
198.30	7,058	16,233	198.82	7,058	19,904
198.31	7,058	16,304	198.83	7,058	19,974
198.32	7,058	16,375	198.84	7,058	20,045
198.33	7,058	16,445	198.85	7,058	20,115
198.34	7,058	16,516	198.86	7,058	20,186
198.35	7,058	16,586	198.87	7,058	20,256
198.36	7,058	16,657	198.88	7,058	20,327
198.37	7,058	16,727	198.89	7,058	20,398
198.38	7,058	16,798	198.90	7,058	20,468
198.39	7,058	16,869	198.91	7,058	20,539
198.40	7,058	16,939	198.92	7,058	20,609
198.41	7,058	17,010	198.93	7,058	20,680
198.42	7,058	17,080	198.94	7,058	20,751
198.43	7,058	17,151	198.95	7,058	20,821
198.44	7,058	17,222	198.96	7,058	20,892
198.45	7,058	17,292	198.97	7,058	20,962
198.46	7,058	17,363	198.98	7,058	21,033
198.47	7,058	17,433	198.99	7,058	21,103
198.48	7,058	17,504	199.00	7,058	21,174
198.49	7,058	17,574	199.01	7,058	21,245
198.50	7,058	17,645	199.02	7,058	21,315
198.51	7,058	17,716	199.03	7,058	21,386
198.52	7,058	17,786	199.04	7,058	21,456
198.53	7,058	17,857	199.05	7,058	21,527
198.54	7,058	17,927	199.06	7,058	21,597
198.55	7,058	17,998	199.07	7,058	21,668
198.56	7,058	18,068	199.08	7,058	21,739
198.57	7,058	18,139	199.09	7,058	21,809
198.58	7,058	18,210	199.10	7,058	21,880
198.59	7,058	18,280	199.11	7,058	21,950

Stage-Area-Storage for Pond B-15: Basin #15 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.12	7,058	22,021
199.13	7,058	22,092
199.14	7,058	22,162
199.15	7,058	22,233
199.16	7,058	22,303
199.17	7,058	22,374
199.18	7,058	22,444
199.19	7,058	22,515
199.20	7,058	22,586
199.21	7,058	22,656
199.22	7,058	22,727
199.23	7,058	22,797
199.24	7,058	22,868
199.25	7,058	22,939
199.26	7,058	23,009
199.27	7,058	23,080
199.28	7,058	23,150
199.29	7,058	23,221
199.30	7,058	23,291
199.31	7,058	23,362
199.32	7,058	23,433
199.33	7,058	23,503
199.34	7,058	23,574
199.35	7,058	23,644
199.36	7,058	23,715
199.37	7,058	23,785
199.38	7,058	23,856
199.39	7,058	23,927
199.40	7,058	23,997
199.41	7,058	24,068
199.42	7,058	24,138
199.43	7,058	24,209
199.44	7,058	24,280
199.45	7,058	24,350
199.46	7,058	24,421
199.47	7,058	24,491
199.48	7,058	24,562
199.49	7,058	24,632
199.50	7,058	24,703
199.51	7,058	24,774
199.52	7,058	24,844
199.53	7,058	24,915
199.54	7,058	24,985
199.55	7,058	25,056
199.56	7,058	25,126
199.57	7,058	25,197
199.58	7,058	25,268
199.59	7,058	25,338
199.60	7,058	25,409
199.61	7,058	25,479
199.62	7,058	25,550
199.63	7,058	25,621
199.64	7,058	25,691
199.65	7,058	25,762
199.66	7,058	25,832
199.67	7,058	25,903
199.68	7,058	25,973
199.69	7,058	26,044
199.70	7,058	26,115
199.71	7,058	26,185
199.72	7,058	26,256
199.73	7,058	26,326
199.74	7,058	26,397
199.75	7,058	26,468
199.76	7,058	26,538
199.77	7,058	26,609
199.78	7,058	26,679
199.79	7,058	26,750
199.80	7,058	26,820
199.81	7,058	26,891
199.82	7,058	26,962
199.83	7,058	27,032
199.84	7,058	27,103
199.85	7,058	27,173
199.86	7,058	27,244
199.87	7,058	27,314
199.88	7,058	27,385
199.89	7,058	27,456
199.90	7,058	27,526
199.91	7,058	27,597
199.92	7,058	27,667
199.93	7,058	27,738
199.94	7,058	27,809
199.95	7,058	27,879
199.96	7,058	27,950
199.97	7,058	28,020
199.98	7,058	28,091
199.99	7,058	28,161
200.00	7,058	**28,232**

Summary for Pond B-16A: Basin #16A

Inflow Area = 1.876 ac, 45.47% Impervious, Inflow Depth = 4.18" for Future 10 yr event
Inflow = 10.34 cfs @ 12.07 hrs, Volume= 0.654 af
Outflow = 0.75 cfs @ 13.08 hrs, Volume= 0.504 af, Atten= 93%, Lag= 61.1 min
Primary = 0.75 cfs @ 13.08 hrs, Volume= 0.504 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.77' @ 13.08 hrs Surf.Area= 6,681 sf Storage= 18,475 cf

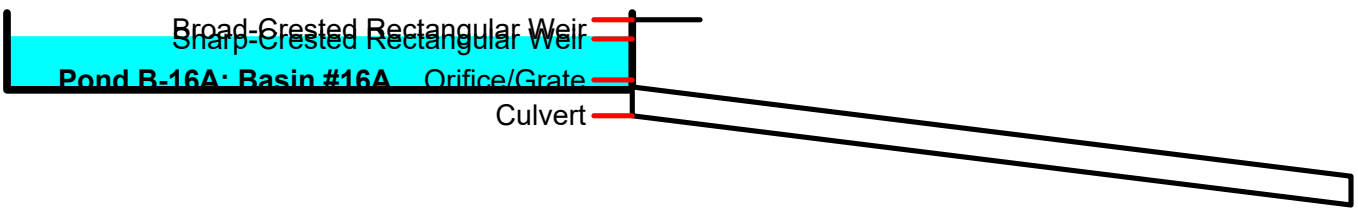
Plug-Flow detention time= 671.8 min calculated for 0.503 af (77% of inflow)
Center-of-Mass det. time= 584.5 min (1,360.7 - 776.3)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	26,724 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

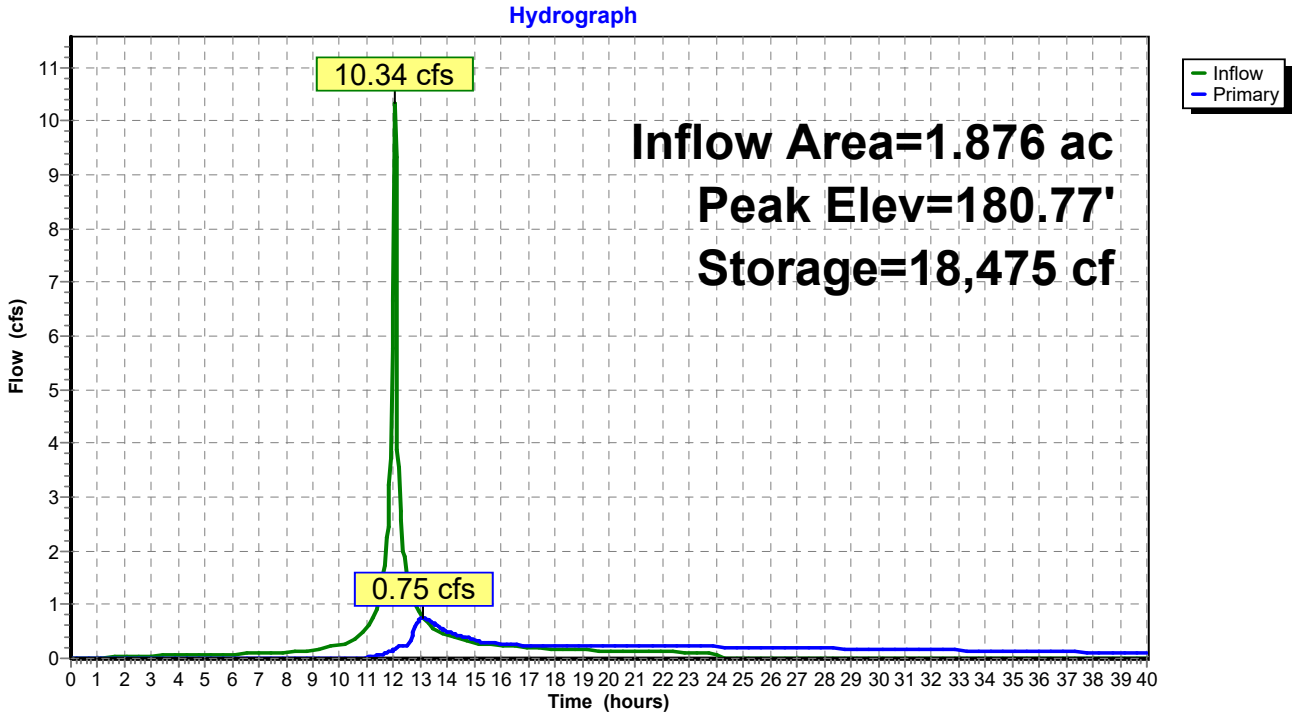
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,681	0	0
179.00	6,681	6,681	6,681
180.00	6,681	6,681	13,362
181.00	6,681	6,681	20,043
182.00	6,681	6,681	26,724

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.52'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.65'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.75 cfs @ 13.08 hrs HW=180.77' (Free Discharge)
- **1=Culvert** (Passes 0.75 cfs of 15.61 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.24 cfs @ 7.05 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.51 cfs @ 1.11 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16A: Basin #16A



Hydrograph for Pond B-16A: Basin #16A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	1	178.00	0.00
0.90	0.01	3	178.00	0.00
1.00	0.01	6	178.00	0.00
1.10	0.01	11	178.00	0.00
1.20	0.02	16	178.00	0.00
1.30	0.02	22	178.00	0.00
1.40	0.02	28	178.00	0.00
1.50	0.02	36	178.01	0.00
1.60	0.02	44	178.01	0.00
1.70	0.03	53	178.01	0.00
1.80	0.03	63	178.01	0.00
1.90	0.03	73	178.01	0.00
2.00	0.03	84	178.01	0.00
2.10	0.03	96	178.01	0.00
2.20	0.03	108	178.02	0.00
2.30	0.04	121	178.02	0.00
2.40	0.04	134	178.02	0.00
2.50	0.04	148	178.02	0.00
2.60	0.04	162	178.02	0.00
2.70	0.04	177	178.03	0.00
2.80	0.04	192	178.03	0.00
2.90	0.04	208	178.03	0.00
3.00	0.05	224	178.03	0.00
3.10	0.05	240	178.04	0.00
3.20	0.05	257	178.04	0.00
3.30	0.05	275	178.04	0.00
3.40	0.05	292	178.04	0.00
3.50	0.05	311	178.05	0.00
3.60	0.05	329	178.05	0.00
3.70	0.05	348	178.05	0.00
3.80	0.05	367	178.05	0.00
3.90	0.05	387	178.06	0.00
4.00	0.06	407	178.06	0.00
4.10	0.06	427	178.06	0.00
4.20	0.06	448	178.07	0.00
4.30	0.06	469	178.07	0.00
4.40	0.06	490	178.07	0.00
4.50	0.06	512	178.08	0.00
4.60	0.06	534	178.08	0.00
4.70	0.06	556	178.08	0.00
4.80	0.06	578	178.09	0.00
4.90	0.06	601	178.09	0.00
5.00	0.06	624	178.09	0.00
5.10	0.07	647	178.10	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	671	178.10	0.00
5.30	0.07	695	178.10	0.00
5.40	0.07	719	178.11	0.00
5.50	0.07	744	178.11	0.00
5.60	0.07	768	178.11	0.00
5.70	0.07	793	178.12	0.00
5.80	0.07	819	178.12	0.00
5.90	0.07	844	178.13	0.00
6.00	0.07	870	178.13	0.00
6.10	0.07	896	178.13	0.00
6.20	0.08	923	178.14	0.00
6.30	0.08	951	178.14	0.00
6.40	0.08	980	178.15	0.00
6.50	0.08	1,009	178.15	0.00
6.60	0.08	1,040	178.16	0.00
6.70	0.09	1,070	178.16	0.00
6.80	0.09	1,102	178.16	0.00
6.90	0.09	1,134	178.17	0.00
7.00	0.09	1,167	178.17	0.00
7.10	0.09	1,201	178.18	0.00
7.20	0.10	1,236	178.19	0.00
7.30	0.10	1,271	178.19	0.00
7.40	0.10	1,308	178.20	0.00
7.50	0.10	1,344	178.20	0.00
7.60	0.11	1,382	178.21	0.00
7.70	0.11	1,420	178.21	0.00
7.80	0.11	1,460	178.22	0.00
7.90	0.11	1,499	178.22	0.00
8.00	0.11	1,540	178.23	0.00
8.10	0.12	1,582	178.24	0.00
8.20	0.12	1,624	178.24	0.00
8.30	0.12	1,668	178.25	0.00
8.40	0.13	1,713	178.26	0.00
8.50	0.13	1,759	178.26	0.00
8.60	0.13	1,806	178.27	0.00
8.70	0.14	1,855	178.28	0.00
8.80	0.14	1,905	178.29	0.00
8.90	0.14	1,956	178.29	0.00
9.00	0.15	2,009	178.30	0.00
9.10	0.16	2,065	178.31	0.00
9.20	0.17	2,124	178.32	0.00
9.30	0.18	2,187	178.33	0.00
9.40	0.19	2,253	178.34	0.00
9.50	0.20	2,323	178.35	0.00
9.60	0.21	2,397	178.36	0.00
9.70	0.22	2,475	178.37	0.00
9.80	0.23	2,557	178.38	0.00
9.90	0.24	2,643	178.40	0.00
10.00	0.26	2,734	178.41	0.00
10.10	0.27	2,828	178.42	0.00
10.20	0.28	2,927	178.44	0.00
10.30	0.29	3,031	178.45	0.00

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.30	3,139	178.47	0.00
10.50	0.32	3,252	178.49	0.00
10.60	0.36	3,377	178.51	0.00
10.70	0.40	3,517	178.53	0.00
10.80	0.45	3,672	178.55	0.00
10.90	0.49	3,842	178.58	0.01
11.00	0.54	4,027	178.60	0.01
11.10	0.63	4,235	178.63	0.02
11.20	0.71	4,470	178.67	0.03
11.30	0.80	4,731	178.71	0.05
11.40	0.89	5,019	178.75	0.06
11.50	1.04	5,340	178.80	0.07
11.60	1.53	5,811	178.87	0.08
11.70	1.74	6,362	178.95	0.09
11.80	2.45	7,108	179.06	0.11
11.90	3.72	8,201	179.23	0.13
12.00	**6.65**	10,121	179.51	0.15
12.10	**9.32**	13,319	179.99	0.19
12.20	3.55	15,101	180.26	0.21
12.30	2.59	16,066	180.40	0.22
12.40	1.98	16,757	180.51	0.23
12.50	1.79	17,356	180.60	0.23
12.60	1.22	17,766	180.66	0.25
12.70	1.14	18,070	180.70	0.41
12.80	1.04	18,281	180.74	0.57
12.90	0.94	18,405	180.75	0.68
13.00	0.84	18,464	180.76	0.74
13.10	0.75	**18,475**	**180.77**	**0.75**
13.20	0.70	18,463	180.76	0.74
13.30	0.64	18,439	180.76	0.71
13.40	0.59	18,406	180.75	0.68
13.50	0.53	18,364	180.75	0.65
13.60	0.49	18,318	180.74	0.61
13.70	0.47	18,277	180.74	0.57
13.80	0.46	18,243	180.73	0.54
13.90	0.44	18,214	180.73	0.52
14.00	0.43	18,189	180.72	0.49
14.10	0.41	18,166	180.72	0.47
14.20	0.40	18,143	180.72	0.46
14.30	0.39	18,121	180.71	0.45
14.40	0.37	18,099	180.71	0.43
14.50	0.36	18,077	180.71	0.42
14.60	0.34	18,055	180.70	0.40
14.70	0.33	18,033	180.70	0.39
14.80	0.32	18,012	180.70	0.37
14.90	0.30	17,990	180.69	0.36
15.00	0.29	17,968	180.69	0.34
15.10	0.27	17,946	180.69	0.33
15.20	0.27	17,927	180.68	0.32
15.30	0.27	17,910	180.68	0.31
15.40	0.26	17,896	180.68	0.30
15.50	0.26	17,882	180.68	0.30

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.25	17,869	180.67	0.29
15.70	0.25	17,856	180.67	0.29
15.80	0.25	17,843	180.67	0.28
15.90	0.24	17,830	180.67	0.28
16.00	0.24	17,817	180.67	0.27
16.10	0.24	17,805	180.67	0.27
16.20	0.23	17,793	180.66	0.26
16.30	0.23	17,781	180.66	0.26
16.40	0.22	17,769	180.66	0.26
16.50	0.22	17,757	180.66	0.25
16.60	0.22	17,746	180.66	0.25
16.70	0.21	17,734	180.65	0.24
16.80	0.21	17,723	180.65	0.24
16.90	0.20	17,711	180.65	0.24
17.00	0.20	17,700	180.65	0.23
17.10	0.20	17,687	180.65	0.23
17.20	0.19	17,673	180.65	0.23
17.30	0.19	17,658	180.64	0.23
17.40	0.19	17,641	180.64	0.23
17.50	0.18	17,623	180.64	0.23
17.60	0.18	17,604	180.63	0.23
17.70	0.17	17,583	180.63	0.23
17.80	0.17	17,561	180.63	0.23
17.90	0.17	17,538	180.62	0.23
18.00	0.16	17,513	180.62	0.23
18.10	0.16	17,487	180.62	0.23
18.20	0.16	17,461	180.61	0.23
18.30	0.16	17,434	180.61	0.23
18.40	0.16	17,407	180.61	0.23
18.50	0.16	17,380	180.60	0.23
18.60	0.15	17,352	180.60	0.23
18.70	0.15	17,325	180.59	0.23
18.80	0.15	17,297	180.59	0.23
18.90	0.15	17,268	180.58	0.23
19.00	0.15	17,240	180.58	0.23
19.10	0.15	17,211	180.58	0.23
19.20	0.15	17,182	180.57	0.23
19.30	0.15	17,153	180.57	0.23
19.40	0.15	17,123	180.56	0.23
19.50	0.15	17,094	180.56	0.23
19.60	0.14	17,064	180.55	0.23
19.70	0.14	17,034	180.55	0.23
19.80	0.14	17,003	180.55	0.23
19.90	0.14	16,973	180.54	0.23
20.00	0.14	16,942	180.54	0.23
20.10	0.14	16,910	180.53	0.23
20.20	0.14	16,879	180.53	0.23
20.30	0.14	16,847	180.52	0.23
20.40	0.14	16,815	180.52	0.23
20.50	0.14	16,783	180.51	0.23
20.60	0.14	16,751	180.51	0.23
20.70	0.13	16,718	180.50	0.22

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.13	16,685	180.50	0.22
20.90	0.13	16,652	180.49	0.22
21.00	0.13	16,619	180.49	0.22
21.10	0.13	16,585	180.48	0.22
21.20	0.13	16,551	180.48	0.22
21.30	0.13	16,517	180.47	0.22
21.40	0.13	16,483	180.47	0.22
21.50	0.13	16,448	180.46	0.22
21.60	0.13	16,414	180.46	0.22
21.70	0.12	16,378	180.45	0.22
21.80	0.12	16,343	180.45	0.22
21.90	0.12	16,308	180.44	0.22
22.00	0.12	16,272	180.44	0.22
22.10	0.12	16,236	180.43	0.22
22.20	0.12	16,200	180.42	0.22
22.30	0.12	16,164	180.42	0.22
22.40	0.12	16,127	180.41	0.22
22.50	0.12	16,090	180.41	0.22
22.60	0.12	16,053	180.40	0.22
22.70	0.11	16,016	180.40	0.22
22.80	0.11	15,978	180.39	0.22
22.90	0.11	15,940	180.39	0.22
23.00	0.11	15,903	180.38	0.22
23.10	0.11	15,864	180.37	0.22
23.20	0.11	15,826	180.37	0.22
23.30	0.11	15,787	180.36	0.22
23.40	0.11	15,748	180.36	0.22
23.50	0.11	15,709	180.35	0.22
23.60	0.11	15,670	180.35	0.22
23.70	0.11	15,630	180.34	0.21
23.80	0.10	15,591	180.33	0.21
23.90	0.11	15,551	180.33	0.21
24.00	0.11	15,516	180.32	0.21
24.10	0.00	15,449	180.31	0.21
24.20	0.00	15,372	180.30	0.21
24.30	0.00	15,296	180.29	0.21
24.40	0.00	15,220	180.28	0.21
24.50	0.00	15,144	180.27	0.21
24.60	0.00	15,069	180.26	0.21
24.70	0.00	14,993	180.24	0.21
24.80	0.00	14,918	180.23	0.21
24.90	0.00	14,843	180.22	0.21
25.00	0.00	14,769	180.21	0.21
25.10	0.00	14,694	180.20	0.21
25.20	0.00	14,620	180.19	0.21
25.30	0.00	14,547	180.18	0.20
25.40	0.00	14,473	180.17	0.20
25.50	0.00	14,400	180.16	0.20
25.60	0.00	14,327	180.14	0.20
25.70	0.00	14,254	180.13	0.20
25.80	0.00	14,182	180.12	0.20
25.90	0.00	14,110	180.11	0.20

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	14,038	180.10	0.20
26.10	0.00	13,966	180.09	0.20
26.20	0.00	13,894	180.08	0.20
26.30	0.00	13,823	180.07	0.20
26.40	0.00	13,752	180.06	0.20
26.50	0.00	13,682	180.05	0.20
26.60	0.00	13,611	180.04	0.20
26.70	0.00	13,541	180.03	0.19
26.80	0.00	13,471	180.02	0.19
26.90	0.00	13,402	180.01	0.19
27.00	0.00	13,333	180.00	0.19
27.10	0.00	13,263	179.99	0.19
27.20	0.00	13,195	179.97	0.19
27.30	0.00	13,126	179.96	0.19
27.40	0.00	13,058	179.95	0.19
27.50	0.00	12,990	179.94	0.19
27.60	0.00	12,922	179.93	0.19
27.70	0.00	12,855	179.92	0.19
27.80	0.00	12,787	179.91	0.19
27.90	0.00	12,720	179.90	0.19
28.00	0.00	12,654	179.89	0.18
28.10	0.00	12,587	179.88	0.18
28.20	0.00	12,521	179.87	0.18
28.30	0.00	12,455	179.86	0.18
28.40	0.00	12,389	179.85	0.18
28.50	0.00	12,324	179.84	0.18
28.60	0.00	12,259	179.83	0.18
28.70	0.00	12,194	179.83	0.18
28.80	0.00	12,129	179.82	0.18
28.90	0.00	12,065	179.81	0.18
29.00	0.00	12,001	179.80	0.18
29.10	0.00	11,937	179.79	0.18
29.20	0.00	11,873	179.78	0.18
29.30	0.00	11,810	179.77	0.18
29.40	0.00	11,747	179.76	0.17
29.50	0.00	11,684	179.75	0.17
29.60	0.00	11,622	179.74	0.17
29.70	0.00	11,559	179.73	0.17
29.80	0.00	11,497	179.72	0.17
29.90	0.00	11,436	179.71	0.17
30.00	0.00	11,374	179.70	0.17
30.10	0.00	11,313	179.69	0.17
30.20	0.00	11,252	179.68	0.17
30.30	0.00	11,191	179.68	0.17
30.40	0.00	11,131	179.67	0.17
30.50	0.00	11,071	179.66	0.17
30.60	0.00	11,011	179.65	0.17
30.70	0.00	10,951	179.64	0.17
30.80	0.00	10,892	179.63	0.16
30.90	0.00	10,833	179.62	0.16
31.00	0.00	10,774	179.61	0.16
31.10	0.00	10,715	179.60	0.16

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	10,657	179.60	0.16
31.30	0.00	10,599	179.59	0.16
31.40	0.00	10,541	179.58	0.16
31.50	0.00	10,483	179.57	0.16
31.60	0.00	10,426	179.56	0.16
31.70	0.00	10,369	179.55	0.16
31.80	0.00	10,312	179.54	0.16
31.90	0.00	10,256	179.54	0.16
32.00	0.00	10,199	179.53	0.16
32.10	0.00	10,143	179.52	0.16
32.20	0.00	10,088	179.51	0.15
32.30	0.00	10,032	179.50	0.15
32.40	0.00	9,977	179.49	0.15
32.50	0.00	9,922	179.49	0.15
32.60	0.00	9,867	179.48	0.15
32.70	0.00	9,813	179.47	0.15
32.80	0.00	9,759	179.46	0.15
32.90	0.00	9,705	179.45	0.15
33.00	0.00	9,651	179.44	0.15
33.10	0.00	9,598	179.44	0.15
33.20	0.00	9,545	179.43	0.15
33.30	0.00	9,492	179.42	0.15
33.40	0.00	9,439	179.41	0.15
33.50	0.00	9,387	179.41	0.15
33.60	0.00	9,335	179.40	0.14
33.70	0.00	9,283	179.39	0.14
33.80	0.00	9,231	179.38	0.14
33.90	0.00	9,180	179.37	0.14
34.00	0.00	9,129	179.37	0.14
34.10	0.00	9,078	179.36	0.14
34.20	0.00	9,028	179.35	0.14
34.30	0.00	8,977	179.34	0.14
34.40	0.00	8,927	179.34	0.14
34.50	0.00	8,878	179.33	0.14
34.60	0.00	8,828	179.32	0.14
34.70	0.00	8,779	179.31	0.14
34.80	0.00	8,730	179.31	0.14
34.90	0.00	8,681	179.30	0.13
35.00	0.00	8,633	179.29	0.13
35.10	0.00	8,585	179.28	0.13
35.20	0.00	8,537	179.28	0.13
35.30	0.00	8,489	179.27	0.13
35.40	0.00	8,442	179.26	0.13
35.50	0.00	8,395	179.26	0.13
35.60	0.00	8,348	179.25	0.13
35.70	0.00	8,301	179.24	0.13
35.80	0.00	8,255	179.24	0.13
35.90	0.00	8,209	179.23	0.13
36.00	0.00	8,163	179.22	0.13
36.10	0.00	8,118	179.22	0.13
36.20	0.00	8,072	179.21	0.13
36.30	0.00	8,027	179.20	0.12

Hydrograph for Pond B-16A: Basin #16A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,983	179.19	0.12
36.50	0.00	7,938	179.19	0.12
36.60	0.00	7,894	179.18	0.12
36.70	0.00	7,850	179.17	0.12
36.80	0.00	7,806	179.17	0.12
36.90	0.00	7,763	179.16	0.12
37.00	0.00	7,719	179.16	0.12
37.10	0.00	7,677	179.15	0.12
37.20	0.00	7,634	179.14	0.12
37.30	0.00	7,591	179.14	0.12
37.40	0.00	7,549	179.13	0.12
37.50	0.00	7,507	179.12	0.12
37.60	0.00	7,466	179.12	0.12
37.70	0.00	7,424	179.11	0.11
37.80	0.00	7,383	179.11	0.11
37.90	0.00	7,343	179.10	0.11
38.00	0.00	7,302	179.09	0.11
38.10	0.00	7,262	179.09	0.11
38.20	0.00	7,222	179.08	0.11
38.30	0.00	7,182	179.07	0.11
38.40	0.00	7,142	179.07	0.11
38.50	0.00	7,103	179.06	0.11
38.60	0.00	7,064	179.06	0.11
38.70	0.00	7,025	179.05	0.11
38.80	0.00	6,987	179.05	0.11
38.90	0.00	6,948	179.04	0.11
39.00	0.00	6,910	179.03	0.11
39.10	0.00	6,873	179.03	0.10
39.20	0.00	6,835	179.02	0.10
39.30	0.00	6,798	179.02	0.10
39.40	0.00	6,761	179.01	0.10
39.50	0.00	6,725	179.01	0.10
39.60	0.00	6,688	179.00	0.10
39.70	0.00	6,652	179.00	0.10
39.80	0.00	6,616	178.99	0.10
39.90	0.00	6,581	178.98	0.10
40.00	0.00	6,545	178.98	0.10

Stage-Discharge for Pond B-16A: Basin #16A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.11	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.01	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.12	179.64	0.17
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.02	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.03	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.04	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.13	179.73	0.17
178.18	0.00	178.70	0.05	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.18
178.22	0.00	178.74	0.06	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.07	179.31	0.14	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.08	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.19
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.15	179.93	0.19
178.38	0.00	178.90	0.09	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.10	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.16	180.04	0.20
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.51	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	13.01
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.40
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.86
180.13	0.20	180.65	0.23	181.17	5.04	181.69	14.38
180.14	0.20	180.66	0.25	181.18	5.18	181.70	14.93
180.15	0.20	180.67	0.27	181.19	5.31	181.71	15.53
180.16	0.20	180.68	0.30	181.20	5.45	181.72	16.17
180.17	0.20	180.69	0.34	181.21	5.59	181.73	16.83
180.18	0.20	180.70	0.38	181.22	5.73	181.74	17.54
180.19	0.21	180.71	0.43	181.23	5.88	181.75	18.27
180.20	0.21	180.72	0.48	181.24	6.02	181.76	19.03
180.21	0.21	180.73	0.53	181.25	6.16	181.77	19.82
180.22	0.21	180.74	0.59	181.26	6.31	181.78	20.63
180.23	0.21	180.75	0.65	181.27	6.45	181.79	21.48
180.24	0.21	180.76	0.71	181.28	6.60	181.80	22.34
180.25	0.21	180.77	0.78	181.29	6.75	181.81	23.23
180.26	0.21	180.78	0.85	181.30	6.90	181.82	24.15
180.27	0.21	180.79	0.92	181.31	7.05	181.83	25.08
180.28	0.21	180.80	1.00	181.32	7.20	181.84	26.04
180.29	0.21	180.81	1.07	181.33	7.36	181.85	27.02
180.30	0.21	180.82	1.15	181.34	7.51	181.86	28.06
180.31	0.21	180.83	1.23	181.35	7.66	181.87	29.13
180.32	0.21	180.84	1.32	181.36	7.82	181.88	30.22
180.33	0.21	180.85	1.40	181.37	7.98	181.89	31.34
180.34	0.22	180.86	1.49	181.38	8.13	181.90	32.49
180.35	0.22	180.87	1.58	181.39	8.29	181.91	33.66
180.36	0.22	180.88	1.67	181.40	8.45	181.92	34.85
180.37	0.22	180.89	1.77	181.41	8.61	181.93	36.08
180.38	0.22	180.90	1.86	181.42	8.77	181.94	37.23
180.39	0.22	180.91	1.96	181.43	8.93	181.95	38.32
180.40	0.22	180.92	2.06	181.44	9.10	181.96	39.44
180.41	0.22	180.93	2.16	181.45	9.26	181.97	40.58
180.42	0.22	180.94	2.26	181.46	9.43	181.98	41.74
180.43	0.22	180.95	2.37	181.47	9.59	181.99	42.93
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**44.15**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.23	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16A: Basin #16A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,681**	0	178.52	6,681	3,474
178.01	6,681	67	178.53	6,681	3,541
178.02	6,681	134	178.54	6,681	3,608
178.03	6,681	200	178.55	6,681	3,675
178.04	6,681	267	178.56	6,681	3,741
178.05	6,681	334	178.57	6,681	3,808
178.06	6,681	401	178.58	6,681	3,875
178.07	6,681	468	178.59	6,681	3,942
178.08	6,681	534	178.60	6,681	4,009
178.09	6,681	601	178.61	6,681	4,075
178.10	6,681	668	178.62	6,681	4,142
178.11	6,681	735	178.63	6,681	4,209
178.12	6,681	802	178.64	6,681	4,276
178.13	6,681	869	178.65	6,681	4,343
178.14	6,681	935	178.66	6,681	4,409
178.15	6,681	1,002	178.67	6,681	4,476
178.16	6,681	1,069	178.68	6,681	4,543
178.17	6,681	1,136	178.69	6,681	4,610
178.18	6,681	1,203	178.70	6,681	4,677
178.19	6,681	1,269	178.71	6,681	4,744
178.20	6,681	1,336	178.72	6,681	4,810
178.21	6,681	1,403	178.73	6,681	4,877
178.22	6,681	1,470	178.74	6,681	4,944
178.23	6,681	1,537	178.75	6,681	5,011
178.24	6,681	1,603	178.76	6,681	5,078
178.25	6,681	1,670	178.77	6,681	5,144
178.26	6,681	1,737	178.78	6,681	5,211
178.27	6,681	1,804	178.79	6,681	5,278
178.28	6,681	1,871	178.80	6,681	5,345
178.29	6,681	1,937	178.81	6,681	5,412
178.30	6,681	2,004	178.82	6,681	5,478
178.31	6,681	2,071	178.83	6,681	5,545
178.32	6,681	2,138	178.84	6,681	5,612
178.33	6,681	2,205	178.85	6,681	5,679
178.34	6,681	2,272	178.86	6,681	5,746
178.35	6,681	2,338	178.87	6,681	5,812
178.36	6,681	2,405	178.88	6,681	5,879
178.37	6,681	2,472	178.89	6,681	5,946
178.38	6,681	2,539	178.90	6,681	6,013
178.39	6,681	2,606	178.91	6,681	6,080
178.40	6,681	2,672	178.92	6,681	6,147
178.41	6,681	2,739	178.93	6,681	6,213
178.42	6,681	2,806	178.94	6,681	6,280
178.43	6,681	2,873	178.95	6,681	6,347
178.44	6,681	2,940	178.96	6,681	6,414
178.45	6,681	3,006	178.97	6,681	6,481
178.46	6,681	3,073	178.98	6,681	6,547
178.47	6,681	3,140	178.99	6,681	6,614
178.48	6,681	3,207	179.00	6,681	6,681
178.49	6,681	3,274	179.01	6,681	6,748
178.50	6,681	3,341	179.02	6,681	6,815
178.51	6,681	3,407	179.03	6,681	6,881

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,681	6,948	179.56	6,681	10,422
179.05	6,681	7,015	179.57	6,681	10,489
179.06	6,681	7,082	179.58	6,681	10,556
179.07	6,681	7,149	179.59	6,681	10,623
179.08	6,681	7,215	179.60	6,681	10,690
179.09	6,681	7,282	179.61	6,681	10,756
179.10	6,681	7,349	179.62	6,681	10,823
179.11	6,681	7,416	179.63	6,681	10,890
179.12	6,681	7,483	179.64	6,681	10,957
179.13	6,681	7,550	179.65	6,681	11,024
179.14	6,681	7,616	179.66	6,681	11,090
179.15	6,681	7,683	179.67	6,681	11,157
179.16	6,681	7,750	179.68	6,681	11,224
179.17	6,681	7,817	179.69	6,681	11,291
179.18	6,681	7,884	179.70	6,681	11,358
179.19	6,681	7,950	179.71	6,681	11,425
179.20	6,681	8,017	179.72	6,681	11,491
179.21	6,681	8,084	179.73	6,681	11,558
179.22	6,681	8,151	179.74	6,681	11,625
179.23	6,681	8,218	179.75	6,681	11,692
179.24	6,681	8,284	179.76	6,681	11,759
179.25	6,681	8,351	179.77	6,681	11,825
179.26	6,681	8,418	179.78	6,681	11,892
179.27	6,681	8,485	179.79	6,681	11,959
179.28	6,681	8,552	179.80	6,681	12,026
179.29	6,681	8,618	179.81	6,681	12,093
179.30	6,681	8,685	179.82	6,681	12,159
179.31	6,681	8,752	179.83	6,681	12,226
179.32	6,681	8,819	179.84	6,681	12,293
179.33	6,681	8,886	179.85	6,681	12,360
179.34	6,681	8,953	179.86	6,681	12,427
179.35	6,681	9,019	179.87	6,681	12,493
179.36	6,681	9,086	179.88	6,681	12,560
179.37	6,681	9,153	179.89	6,681	12,627
179.38	6,681	9,220	179.90	6,681	12,694
179.39	6,681	9,287	179.91	6,681	12,761
179.40	6,681	9,353	179.92	6,681	12,828
179.41	6,681	9,420	179.93	6,681	12,894
179.42	6,681	9,487	179.94	6,681	12,961
179.43	6,681	9,554	179.95	6,681	13,028
179.44	6,681	9,621	179.96	6,681	13,095
179.45	6,681	9,687	179.97	6,681	13,162
179.46	6,681	9,754	179.98	6,681	13,228
179.47	6,681	9,821	179.99	6,681	13,295
179.48	6,681	9,888	180.00	6,681	13,362
179.49	6,681	9,955	180.01	6,681	13,429
179.50	6,681	10,022	180.02	6,681	13,496
179.51	6,681	10,088	180.03	6,681	13,562
179.52	6,681	10,155	180.04	6,681	13,629
179.53	6,681	10,222	180.05	6,681	13,696
179.54	6,681	10,289	180.06	6,681	13,763
179.55	6,681	10,356	180.07	6,681	13,830

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,681	13,896	180.60	6,681	17,371
180.09	6,681	13,963	180.61	6,681	17,437
180.10	6,681	14,030	180.62	6,681	17,504
180.11	6,681	14,097	180.63	6,681	17,571
180.12	6,681	14,164	180.64	6,681	17,638
180.13	6,681	14,231	180.65	6,681	17,705
180.14	6,681	14,297	180.66	6,681	17,771
180.15	6,681	14,364	180.67	6,681	17,838
180.16	6,681	14,431	180.68	6,681	17,905
180.17	6,681	14,498	180.69	6,681	17,972
180.18	6,681	14,565	180.70	6,681	18,039
180.19	6,681	14,631	180.71	6,681	18,106
180.20	6,681	14,698	180.72	6,681	18,172
180.21	6,681	14,765	180.73	6,681	18,239
180.22	6,681	14,832	180.74	6,681	18,306
180.23	6,681	14,899	180.75	6,681	18,373
180.24	6,681	14,965	180.76	6,681	18,440
180.25	6,681	15,032	180.77	6,681	18,506
180.26	6,681	15,099	180.78	6,681	18,573
180.27	6,681	15,166	180.79	6,681	18,640
180.28	6,681	15,233	180.80	6,681	18,707
180.29	6,681	15,299	180.81	6,681	18,774
180.30	6,681	15,366	180.82	6,681	18,840
180.31	6,681	15,433	180.83	6,681	18,907
180.32	6,681	15,500	180.84	6,681	18,974
180.33	6,681	15,567	180.85	6,681	19,041
180.34	6,681	15,634	180.86	6,681	19,108
180.35	6,681	15,700	180.87	6,681	19,174
180.36	6,681	15,767	180.88	6,681	19,241
180.37	6,681	15,834	180.89	6,681	19,308
180.38	6,681	15,901	180.90	6,681	19,375
180.39	6,681	15,968	180.91	6,681	19,442
180.40	6,681	16,034	180.92	6,681	19,509
180.41	6,681	16,101	180.93	6,681	19,575
180.42	6,681	16,168	180.94	6,681	19,642
180.43	6,681	16,235	180.95	6,681	19,709
180.44	6,681	16,302	180.96	6,681	19,776
180.45	6,681	16,368	180.97	6,681	19,843
180.46	6,681	16,435	180.98	6,681	19,909
180.47	6,681	16,502	180.99	6,681	19,976
180.48	6,681	16,569	181.00	6,681	20,043
180.49	6,681	16,636	181.01	6,681	20,110
180.50	6,681	16,703	181.02	6,681	20,177
180.51	6,681	16,769	181.03	6,681	20,243
180.52	6,681	16,836	181.04	6,681	20,310
180.53	6,681	16,903	181.05	6,681	20,377
180.54	6,681	16,970	181.06	6,681	20,444
180.55	6,681	17,037	181.07	6,681	20,511
180.56	6,681	17,103	181.08	6,681	20,577
180.57	6,681	17,170	181.09	6,681	20,644
180.58	6,681	17,237	181.10	6,681	20,711
180.59	6,681	17,304	181.11	6,681	20,778

Stage-Area-Storage for Pond B-16A: Basin #16A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,681	20,845
181.13	6,681	20,912
181.14	6,681	20,978
181.15	6,681	21,045
181.16	6,681	21,112
181.17	6,681	21,179
181.18	6,681	21,246
181.19	6,681	21,312
181.20	6,681	21,379
181.21	6,681	21,446
181.22	6,681	21,513
181.23	6,681	21,580
181.24	6,681	21,646
181.25	6,681	21,713
181.26	6,681	21,780
181.27	6,681	21,847
181.28	6,681	21,914
181.29	6,681	21,980
181.30	6,681	22,047
181.31	6,681	22,114
181.32	6,681	22,181
181.33	6,681	22,248
181.34	6,681	22,315
181.35	6,681	22,381
181.36	6,681	22,448
181.37	6,681	22,515
181.38	6,681	22,582
181.39	6,681	22,649
181.40	6,681	22,715
181.41	6,681	22,782
181.42	6,681	22,849
181.43	6,681	22,916
181.44	6,681	22,983
181.45	6,681	23,049
181.46	6,681	23,116
181.47	6,681	23,183
181.48	6,681	23,250
181.49	6,681	23,317
181.50	6,681	23,384
181.51	6,681	23,450
181.52	6,681	23,517
181.53	6,681	23,584
181.54	6,681	23,651
181.55	6,681	23,718
181.56	6,681	23,784
181.57	6,681	23,851
181.58	6,681	23,918
181.59	6,681	23,985
181.60	6,681	24,052
181.61	6,681	24,118
181.62	6,681	24,185
181.63	6,681	24,252
181.64	6,681	24,319
181.65	6,681	24,386
181.66	6,681	24,452
181.67	6,681	24,519
181.68	6,681	24,586
181.69	6,681	24,653
181.70	6,681	24,720
181.71	6,681	24,787
181.72	6,681	24,853
181.73	6,681	24,920
181.74	6,681	24,987
181.75	6,681	25,054
181.76	6,681	25,121
181.77	6,681	25,187
181.78	6,681	25,254
181.79	6,681	25,321
181.80	6,681	25,388
181.81	6,681	25,455
181.82	6,681	25,521
181.83	6,681	25,588
181.84	6,681	25,655
181.85	6,681	25,722
181.86	6,681	25,789
181.87	6,681	25,855
181.88	6,681	25,922
181.89	6,681	25,989
181.90	6,681	26,056
181.91	6,681	26,123
181.92	6,681	26,190
181.93	6,681	26,256
181.94	6,681	26,323
181.95	6,681	26,390
181.96	6,681	26,457
181.97	6,681	26,524
181.98	6,681	26,590
181.99	6,681	26,657
182.00	6,681	**26,724**

Summary for Pond B-16B: Basin #16B

Inflow Area = 1.877 ac, 43.74% Impervious, Inflow Depth = 4.14" for Future 10 yr event
Inflow = 10.21 cfs @ 12.08 hrs, Volume= 0.647 af
Outflow = 0.92 cfs @ 12.92 hrs, Volume= 0.512 af, Atten= 91%, Lag= 50.6 min
Primary = 0.92 cfs @ 12.92 hrs, Volume= 0.512 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.79' @ 12.92 hrs Surf.Area= 6,329 sf Storage= 17,651 cf

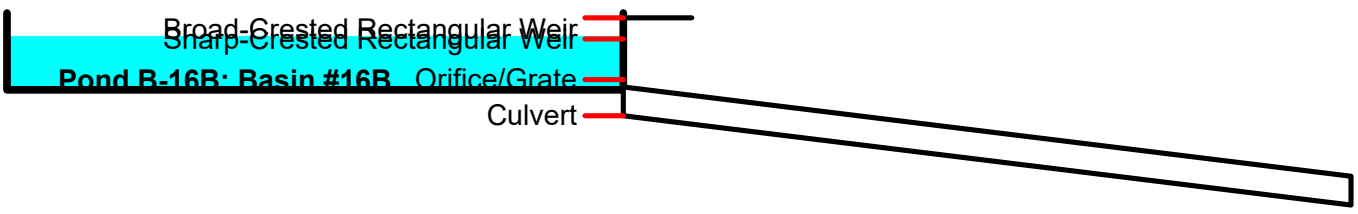
Plug-Flow detention time= 640.8 min calculated for 0.512 af (79% of inflow)
Center-of-Mass det. time= 556.5 min (1,335.1 - 778.7)

Volume	Invert	Avail.Storage	Storage Description
#1	178.00'	25,316 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

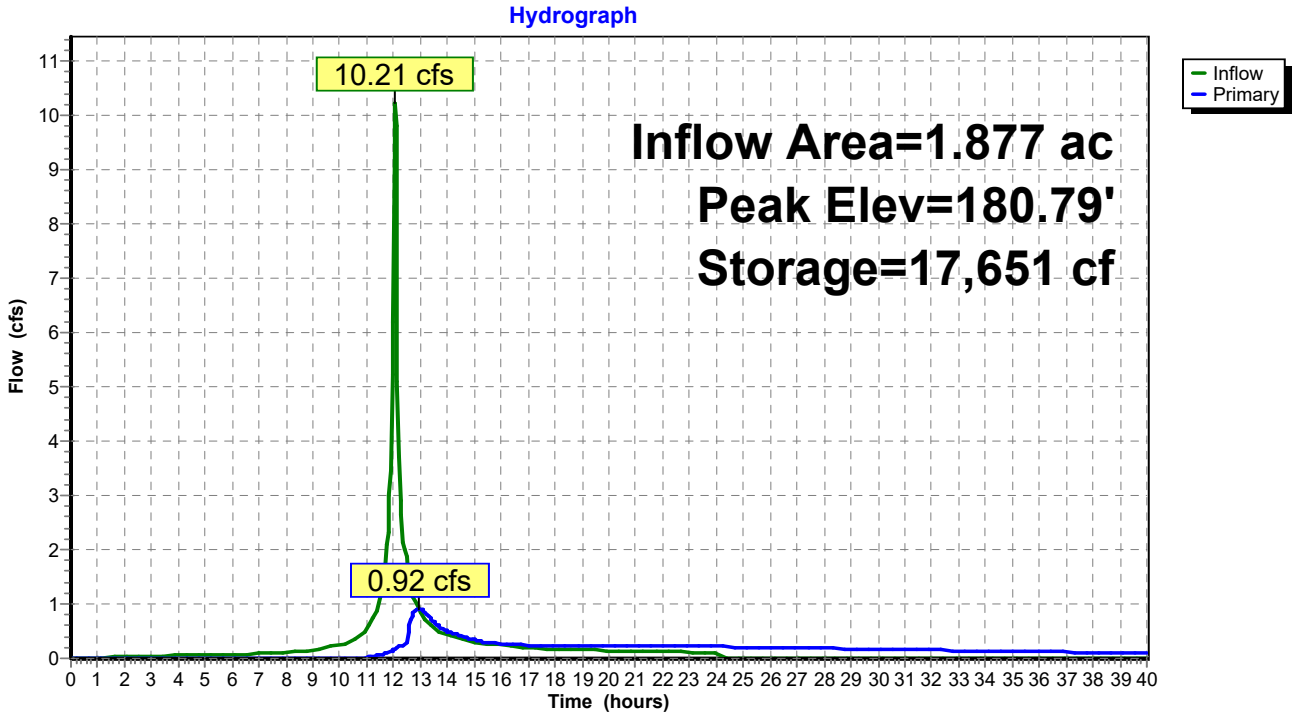
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
178.00	6,329	0	0
179.00	6,329	6,329	6,329
180.00	6,329	6,329	12,658
181.00	6,329	6,329	18,987
182.00	6,329	6,329	25,316

Device	Routing	Invert	Outlet Devices
#1	Primary	176.65'	**18.0" Round Culvert** L= 53.0' Ke= 0.500 Inlet / Outlet Invert= 176.65' / 172.00' S= 0.0877 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	178.53'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	180.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.91 cfs @ 12.92 hrs HW=180.79' (Free Discharge)
- **1=Culvert** (Passes 0.91 cfs of 15.66 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.24 cfs @ 7.07 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.67 cfs @ 1.22 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-16B: Basin #16B



Hydrograph for Pond B-16B: Basin #16B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	178.00	0.00
0.10	0.00	0	178.00	0.00
0.20	0.00	0	178.00	0.00
0.30	0.00	0	178.00	0.00
0.40	0.00	0	178.00	0.00
0.50	0.00	0	178.00	0.00
0.60	0.00	0	178.00	0.00
0.70	0.00	0	178.00	0.00
0.80	0.00	1	178.00	0.00
0.90	0.01	3	178.00	0.00
1.00	0.01	5	178.00	0.00
1.10	0.01	9	178.00	0.00
1.20	0.01	14	178.00	0.00
1.30	0.02	19	178.00	0.00
1.40	0.02	25	178.00	0.00
1.50	0.02	33	178.01	0.00
1.60	0.02	40	178.01	0.00
1.70	0.02	49	178.01	0.00
1.80	0.03	58	178.01	0.00
1.90	0.03	68	178.01	0.00
2.00	0.03	78	178.01	0.00
2.10	0.03	89	178.01	0.00
2.20	0.03	101	178.02	0.00
2.30	0.03	113	178.02	0.00
2.40	0.04	126	178.02	0.00
2.50	0.04	139	178.02	0.00
2.60	0.04	152	178.02	0.00
2.70	0.04	166	178.03	0.00
2.80	0.04	181	178.03	0.00
2.90	0.04	196	178.03	0.00
3.00	0.04	211	178.03	0.00
3.10	0.04	227	178.04	0.00
3.20	0.05	243	178.04	0.00
3.30	0.05	260	178.04	0.00
3.40	0.05	277	178.04	0.00
3.50	0.05	294	178.05	0.00
3.60	0.05	312	178.05	0.00
3.70	0.05	330	178.05	0.00
3.80	0.05	349	178.06	0.00
3.90	0.05	367	178.06	0.00
4.00	0.05	387	178.06	0.00
4.10	0.05	406	178.06	0.00
4.20	0.06	426	178.07	0.00
4.30	0.06	446	178.07	0.00
4.40	0.06	466	178.07	0.00
4.50	0.06	487	178.08	0.00
4.60	0.06	508	178.08	0.00
4.70	0.06	529	178.08	0.00
4.80	0.06	551	178.09	0.00
4.90	0.06	573	178.09	0.00
5.00	0.06	595	178.09	0.00
5.10	0.06	617	178.10	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	640	178.10	0.00
5.30	0.06	663	178.10	0.00
5.40	0.06	686	178.11	0.00
5.50	0.07	709	178.11	0.00
5.60	0.07	733	178.12	0.00
5.70	0.07	757	178.12	0.00
5.80	0.07	781	178.12	0.00
5.90	0.07	806	178.13	0.00
6.00	0.07	831	178.13	0.00
6.10	0.07	856	178.14	0.00
6.20	0.07	882	178.14	0.00
6.30	0.07	909	178.14	0.00
6.40	0.08	936	178.15	0.00
6.50	0.08	964	178.15	0.00
6.60	0.08	993	178.16	0.00
6.70	0.08	1,022	178.16	0.00
6.80	0.08	1,053	178.17	0.00
6.90	0.09	1,084	178.17	0.00
7.00	0.09	1,115	178.18	0.00
7.10	0.09	1,148	178.18	0.00
7.20	0.09	1,181	178.19	0.00
7.30	0.09	1,215	178.19	0.00
7.40	0.10	1,249	178.20	0.00
7.50	0.10	1,285	178.20	0.00
7.60	0.10	1,321	178.21	0.00
7.70	0.10	1,357	178.21	0.00
7.80	0.10	1,395	178.22	0.00
7.90	0.11	1,433	178.23	0.00
8.00	0.11	1,472	178.23	0.00
8.10	0.11	1,512	178.24	0.00
8.20	0.11	1,553	178.25	0.00
8.30	0.12	1,595	178.25	0.00
8.40	0.12	1,638	178.26	0.00
8.50	0.13	1,682	178.27	0.00
8.60	0.13	1,728	178.27	0.00
8.70	0.13	1,775	178.28	0.00
8.80	0.14	1,823	178.29	0.00
8.90	0.14	1,872	178.30	0.00
9.00	0.14	1,923	178.30	0.00
9.10	0.15	1,976	178.31	0.00
9.20	0.16	2,033	178.32	0.00
9.30	0.17	2,093	178.33	0.00
9.40	0.18	2,157	178.34	0.00
9.50	0.19	2,224	178.35	0.00
9.60	0.20	2,296	178.36	0.00
9.70	0.21	2,371	178.37	0.00
9.80	0.22	2,450	178.39	0.00
9.90	0.24	2,533	178.40	0.00
10.00	0.25	2,620	178.41	0.00
10.10	0.26	2,712	178.43	0.00
10.20	0.27	2,808	178.44	0.00
10.30	0.28	2,908	178.46	0.00

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.30	3,013	178.48	0.00
10.50	0.31	3,122	178.49	0.00
10.60	0.35	3,243	178.51	0.00
10.70	0.39	3,377	178.53	0.00
10.80	0.43	3,527	178.56	0.00
10.90	0.48	3,691	178.58	0.01
11.00	0.52	3,869	178.61	0.01
11.10	0.60	4,068	178.64	0.02
11.20	0.69	4,294	178.68	0.03
11.30	0.78	4,545	178.72	0.05
11.40	0.87	4,824	178.76	0.06
11.50	0.97	5,131	178.81	0.07
11.60	1.49	5,568	178.88	0.08
11.70	1.65	6,101	178.96	0.09
11.80	2.33	6,800	179.07	0.11
11.90	3.44	7,817	179.24	0.13
12.00	6.20	9,575	179.51	0.15
12.10	**9.79**	12,625	179.99	0.19
12.20	3.71	14,680	180.32	0.21
12.30	2.65	15,696	180.48	0.22
12.40	1.98	16,413	180.59	0.23
12.50	1.84	17,008	180.69	0.33
12.60	1.23	17,356	180.74	0.61
12.70	1.15	17,529	180.77	0.78
12.80	1.05	17,619	180.78	0.88
12.90	0.95	**17,650**	**180.79**	**0.92**
13.00	0.85	17,640	180.79	0.91
13.10	0.75	17,605	180.78	0.87
13.20	0.70	17,561	180.77	0.82
13.30	0.64	17,515	180.77	0.77
13.40	0.59	17,469	180.76	0.71
13.50	0.54	17,420	180.75	0.67
13.60	0.49	17,369	180.74	0.62
13.70	0.47	17,324	180.74	0.58
13.80	0.46	17,288	180.73	0.55
13.90	0.44	17,258	180.73	0.52
14.00	0.43	17,232	180.72	0.49
14.10	0.41	17,209	180.72	0.47
14.20	0.40	17,187	180.72	0.46
14.30	0.39	17,165	180.71	0.44
14.40	0.37	17,144	180.71	0.43
14.50	0.36	17,123	180.71	0.41
14.60	0.34	17,102	180.70	0.40
14.70	0.33	17,081	180.70	0.39
14.80	0.32	17,060	180.70	0.37
14.90	0.30	17,039	180.69	0.36
15.00	0.29	17,018	180.69	0.34
15.10	0.27	16,998	180.69	0.33
15.20	0.27	16,980	180.68	0.31
15.30	0.26	16,964	180.68	0.30
15.40	0.26	16,950	180.68	0.30
15.50	0.26	16,937	180.68	0.29

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.25	16,924	180.67	0.29
15.70	0.25	16,911	180.67	0.28
15.80	0.25	16,899	180.67	0.28
15.90	0.24	16,887	180.67	0.28
16.00	0.24	16,875	180.67	0.27
16.10	0.24	16,863	180.66	0.27
16.20	0.23	16,852	180.66	0.26
16.30	0.23	16,840	180.66	0.26
16.40	0.22	16,829	180.66	0.25
16.50	0.22	16,818	180.66	0.25
16.60	0.22	16,807	180.66	0.25
16.70	0.21	16,796	180.65	0.24
16.80	0.21	16,785	180.65	0.24
16.90	0.20	16,774	180.65	0.23
17.00	0.20	16,763	180.65	0.23
17.10	0.20	16,751	180.65	0.23
17.20	0.19	16,737	180.64	0.23
17.30	0.19	16,722	180.64	0.23
17.40	0.19	16,705	180.64	0.23
17.50	0.18	16,687	180.64	0.23
17.60	0.18	16,668	180.63	0.23
17.70	0.17	16,648	180.63	0.23
17.80	0.17	16,626	180.63	0.23
17.90	0.17	16,603	180.62	0.23
18.00	0.16	16,579	180.62	0.23
18.10	0.16	16,553	180.62	0.23
18.20	0.16	16,527	180.61	0.23
18.30	0.16	16,500	180.61	0.23
18.40	0.16	16,473	180.60	0.23
18.50	0.15	16,446	180.60	0.23
18.60	0.15	16,419	180.59	0.23
18.70	0.15	16,391	180.59	0.23
18.80	0.15	16,364	180.59	0.23
18.90	0.15	16,335	180.58	0.23
19.00	0.15	16,307	180.58	0.23
19.10	0.15	16,279	180.57	0.23
19.20	0.15	16,250	180.57	0.23
19.30	0.15	16,221	180.56	0.23
19.40	0.15	16,191	180.56	0.23
19.50	0.15	16,162	180.55	0.23
19.60	0.14	16,132	180.55	0.23
19.70	0.14	16,102	180.54	0.23
19.80	0.14	16,072	180.54	0.23
19.90	0.14	16,042	180.53	0.23
20.00	0.14	16,011	180.53	0.23
20.10	0.14	15,980	180.52	0.23
20.20	0.14	15,949	180.52	0.23
20.30	0.14	15,917	180.51	0.23
20.40	0.14	15,886	180.51	0.22
20.50	0.14	15,854	180.50	0.22
20.60	0.14	15,822	180.50	0.22
20.70	0.13	15,790	180.49	0.22

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.13	15,757	180.49	0.22
20.90	0.13	15,724	180.48	0.22
21.00	0.13	15,691	180.48	0.22
21.10	0.13	15,658	180.47	0.22
21.20	0.13	15,624	180.47	0.22
21.30	0.13	15,590	180.46	0.22
21.40	0.13	15,556	180.46	0.22
21.50	0.13	15,522	180.45	0.22
21.60	0.12	15,488	180.45	0.22
21.70	0.12	15,453	180.44	0.22
21.80	0.12	15,418	180.44	0.22
21.90	0.12	15,383	180.43	0.22
22.00	0.12	15,348	180.42	0.22
22.10	0.12	15,312	180.42	0.22
22.20	0.12	15,276	180.41	0.22
22.30	0.12	15,241	180.41	0.22
22.40	0.12	15,204	180.40	0.22
22.50	0.12	15,168	180.40	0.22
22.60	0.12	15,131	180.39	0.22
22.70	0.11	15,094	180.38	0.22
22.80	0.11	15,057	180.38	0.22
22.90	0.11	15,020	180.37	0.22
23.00	0.11	14,982	180.37	0.22
23.10	0.11	14,945	180.36	0.22
23.20	0.11	14,906	180.36	0.22
23.30	0.11	14,868	180.35	0.21
23.40	0.11	14,830	180.34	0.21
23.50	0.11	14,791	180.34	0.21
23.60	0.11	14,752	180.33	0.21
23.70	0.11	14,713	180.32	0.21
23.80	0.10	14,674	180.32	0.21
23.90	0.10	14,635	180.31	0.21
24.00	0.12	14,600	180.31	0.21
24.10	0.00	14,539	180.30	0.21
24.20	0.00	14,463	180.29	0.21
24.30	0.00	14,387	180.27	0.21
24.40	0.00	14,312	180.26	0.21
24.50	0.00	14,236	180.25	0.21
24.60	0.00	14,161	180.24	0.21
24.70	0.00	14,087	180.23	0.21
24.80	0.00	14,012	180.21	0.21
24.90	0.00	13,938	180.20	0.21
25.00	0.00	13,864	180.19	0.20
25.10	0.00	13,791	180.18	0.20
25.20	0.00	13,717	180.17	0.20
25.30	0.00	13,644	180.16	0.20
25.40	0.00	13,572	180.14	0.20
25.50	0.00	13,499	180.13	0.20
25.60	0.00	13,427	180.12	0.20
25.70	0.00	13,355	180.11	0.20
25.80	0.00	13,283	180.10	0.20
25.90	0.00	13,212	180.09	0.20

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	13,141	180.08	0.20
26.10	0.00	13,070	180.07	0.20
26.20	0.00	13,000	180.05	0.20
26.30	0.00	12,929	180.04	0.19
26.40	0.00	12,859	180.03	0.19
26.50	0.00	12,790	180.02	0.19
26.60	0.00	12,720	180.01	0.19
26.70	0.00	12,651	180.00	0.19
26.80	0.00	12,582	179.99	0.19
26.90	0.00	12,514	179.98	0.19
27.00	0.00	12,445	179.97	0.19
27.10	0.00	12,377	179.96	0.19
27.20	0.00	12,309	179.94	0.19
27.30	0.00	12,242	179.93	0.19
27.40	0.00	12,175	179.92	0.19
27.50	0.00	12,108	179.91	0.19
27.60	0.00	12,041	179.90	0.18
27.70	0.00	11,975	179.89	0.18
27.80	0.00	11,908	179.88	0.18
27.90	0.00	11,843	179.87	0.18
28.00	0.00	11,777	179.86	0.18
28.10	0.00	11,712	179.85	0.18
28.20	0.00	11,647	179.84	0.18
28.30	0.00	11,582	179.83	0.18
28.40	0.00	11,517	179.82	0.18
28.50	0.00	11,453	179.81	0.18
28.60	0.00	11,389	179.80	0.18
28.70	0.00	11,326	179.79	0.18
28.80	0.00	11,262	179.78	0.18
28.90	0.00	11,199	179.77	0.17
29.00	0.00	11,136	179.76	0.17
29.10	0.00	11,074	179.75	0.17
29.20	0.00	11,012	179.74	0.17
29.30	0.00	10,950	179.73	0.17
29.40	0.00	10,888	179.72	0.17
29.50	0.00	10,826	179.71	0.17
29.60	0.00	10,765	179.70	0.17
29.70	0.00	10,704	179.69	0.17
29.80	0.00	10,644	179.68	0.17
29.90	0.00	10,583	179.67	0.17
30.00	0.00	10,523	179.66	0.17
30.10	0.00	10,464	179.65	0.17
30.20	0.00	10,404	179.64	0.16
30.30	0.00	10,345	179.63	0.16
30.40	0.00	10,286	179.63	0.16
30.50	0.00	10,227	179.62	0.16
30.60	0.00	10,169	179.61	0.16
30.70	0.00	10,111	179.60	0.16
30.80	0.00	10,053	179.59	0.16
30.90	0.00	9,995	179.58	0.16
31.00	0.00	9,938	179.57	0.16
31.10	0.00	9,881	179.56	0.16

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,824	179.55	0.16
31.30	0.00	9,768	179.54	0.16
31.40	0.00	9,711	179.53	0.16
31.50	0.00	9,656	179.53	0.15
31.60	0.00	9,600	179.52	0.15
31.70	0.00	9,544	179.51	0.15
31.80	0.00	9,489	179.50	0.15
31.90	0.00	9,435	179.49	0.15
32.00	0.00	9,380	179.48	0.15
32.10	0.00	9,326	179.47	0.15
32.20	0.00	9,272	179.46	0.15
32.30	0.00	9,218	179.46	0.15
32.40	0.00	9,165	179.45	0.15
32.50	0.00	9,111	179.44	0.15
32.60	0.00	9,059	179.43	0.15
32.70	0.00	9,006	179.42	0.15
32.80	0.00	8,954	179.41	0.14
32.90	0.00	8,902	179.41	0.14
33.00	0.00	8,850	179.40	0.14
33.10	0.00	8,798	179.39	0.14
33.20	0.00	8,747	179.38	0.14
33.30	0.00	8,696	179.37	0.14
33.40	0.00	8,645	179.37	0.14
33.50	0.00	8,595	179.36	0.14
33.60	0.00	8,545	179.35	0.14
33.70	0.00	8,495	179.34	0.14
33.80	0.00	8,445	179.33	0.14
33.90	0.00	8,396	179.33	0.14
34.00	0.00	8,347	179.32	0.14
34.10	0.00	8,298	179.31	0.14
34.20	0.00	8,250	179.30	0.13
34.30	0.00	8,202	179.30	0.13
34.40	0.00	8,154	179.29	0.13
34.50	0.00	8,106	179.28	0.13
34.60	0.00	8,059	179.27	0.13
34.70	0.00	8,012	179.27	0.13
34.80	0.00	7,965	179.26	0.13
34.90	0.00	7,918	179.25	0.13
35.00	0.00	7,872	179.24	0.13
35.10	0.00	7,826	179.24	0.13
35.20	0.00	7,780	179.23	0.13
35.30	0.00	7,735	179.22	0.13
35.40	0.00	7,690	179.21	0.13
35.50	0.00	7,645	179.21	0.12
35.60	0.00	7,600	179.20	0.12
35.70	0.00	7,556	179.19	0.12
35.80	0.00	7,512	179.19	0.12
35.90	0.00	7,468	179.18	0.12
36.00	0.00	7,424	179.17	0.12
36.10	0.00	7,381	179.17	0.12
36.20	0.00	7,338	179.16	0.12
36.30	0.00	7,296	179.15	0.12

Hydrograph for Pond B-16B: Basin #16B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,253	179.15	0.12
36.50	0.00	7,211	179.14	0.12
36.60	0.00	7,169	179.13	0.12
36.70	0.00	7,128	179.13	0.12
36.80	0.00	7,086	179.12	0.11
36.90	0.00	7,045	179.11	0.11
37.00	0.00	7,004	179.11	0.11
37.10	0.00	6,964	179.10	0.11
37.20	0.00	6,924	179.09	0.11
37.30	0.00	6,884	179.09	0.11
37.40	0.00	6,844	179.08	0.11
37.50	0.00	6,805	179.08	0.11
37.60	0.00	6,766	179.07	0.11
37.70	0.00	6,727	179.06	0.11
37.80	0.00	6,688	179.06	0.11
37.90	0.00	6,650	179.05	0.11
38.00	0.00	6,612	179.04	0.11
38.10	0.00	6,574	179.04	0.10
38.20	0.00	6,537	179.03	0.10
38.30	0.00	6,500	179.03	0.10
38.40	0.00	6,463	179.02	0.10
38.50	0.00	6,426	179.02	0.10
38.60	0.00	6,390	179.01	0.10
38.70	0.00	6,354	179.00	0.10
38.80	0.00	6,318	179.00	0.10
38.90	0.00	6,283	178.99	0.10
39.00	0.00	6,247	178.99	0.10
39.10	0.00	6,212	178.98	0.10
39.20	0.00	6,178	178.98	0.10
39.30	0.00	6,143	178.97	0.10
39.40	0.00	6,109	178.97	0.09
39.50	0.00	6,075	178.96	0.09
39.60	0.00	6,042	178.95	0.09
39.70	0.00	6,009	178.95	0.09
39.80	0.00	5,975	178.94	0.09
39.90	0.00	5,943	178.94	0.09
40.00	0.00	5,910	178.93	0.09

Stage-Discharge for Pond B-16B: Basin #16B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
178.00	0.00	178.52	0.00	179.04	0.10	179.56	0.16
178.01	0.00	178.53	0.00	179.05	0.11	179.57	0.16
178.02	0.00	178.54	0.00	179.06	0.11	179.58	0.16
178.03	0.00	178.55	0.00	179.07	0.11	179.59	0.16
178.04	0.00	178.56	0.00	179.08	0.11	179.60	0.16
178.05	0.00	178.57	0.00	179.09	0.11	179.61	0.16
178.06	0.00	178.58	0.00	179.10	0.11	179.62	0.16
178.07	0.00	178.59	0.01	179.11	0.11	179.63	0.16
178.08	0.00	178.60	0.01	179.12	0.11	179.64	0.16
178.09	0.00	178.61	0.01	179.13	0.12	179.65	0.17
178.10	0.00	178.62	0.01	179.14	0.12	179.66	0.17
178.11	0.00	178.63	0.02	179.15	0.12	179.67	0.17
178.12	0.00	178.64	0.02	179.16	0.12	179.68	0.17
178.13	0.00	178.65	0.02	179.17	0.12	179.69	0.17
178.14	0.00	178.66	0.03	179.18	0.12	179.70	0.17
178.15	0.00	178.67	0.03	179.19	0.12	179.71	0.17
178.16	0.00	178.68	0.03	179.20	0.12	179.72	0.17
178.17	0.00	178.69	0.04	179.21	0.12	179.73	0.17
178.18	0.00	178.70	0.04	179.22	0.13	179.74	0.17
178.19	0.00	178.71	0.05	179.23	0.13	179.75	0.17
178.20	0.00	178.72	0.05	179.24	0.13	179.76	0.17
178.21	0.00	178.73	0.05	179.25	0.13	179.77	0.17
178.22	0.00	178.74	0.05	179.26	0.13	179.78	0.18
178.23	0.00	178.75	0.06	179.27	0.13	179.79	0.18
178.24	0.00	178.76	0.06	179.28	0.13	179.80	0.18
178.25	0.00	178.77	0.06	179.29	0.13	179.81	0.18
178.26	0.00	178.78	0.06	179.30	0.13	179.82	0.18
178.27	0.00	178.79	0.06	179.31	0.13	179.83	0.18
178.28	0.00	178.80	0.07	179.32	0.14	179.84	0.18
178.29	0.00	178.81	0.07	179.33	0.14	179.85	0.18
178.30	0.00	178.82	0.07	179.34	0.14	179.86	0.18
178.31	0.00	178.83	0.07	179.35	0.14	179.87	0.18
178.32	0.00	178.84	0.07	179.36	0.14	179.88	0.18
178.33	0.00	178.85	0.08	179.37	0.14	179.89	0.18
178.34	0.00	178.86	0.08	179.38	0.14	179.90	0.18
178.35	0.00	178.87	0.08	179.39	0.14	179.91	0.19
178.36	0.00	178.88	0.08	179.40	0.14	179.92	0.19
178.37	0.00	178.89	0.08	179.41	0.14	179.93	0.19
178.38	0.00	178.90	0.08	179.42	0.15	179.94	0.19
178.39	0.00	178.91	0.09	179.43	0.15	179.95	0.19
178.40	0.00	178.92	0.09	179.44	0.15	179.96	0.19
178.41	0.00	178.93	0.09	179.45	0.15	179.97	0.19
178.42	0.00	178.94	0.09	179.46	0.15	179.98	0.19
178.43	0.00	178.95	0.09	179.47	0.15	179.99	0.19
178.44	0.00	178.96	0.09	179.48	0.15	180.00	0.19
178.45	0.00	178.97	0.10	179.49	0.15	180.01	0.19
178.46	0.00	178.98	0.10	179.50	0.15	180.02	0.19
178.47	0.00	178.99	0.10	179.51	0.15	180.03	0.19
178.48	0.00	179.00	0.10	179.52	0.15	180.04	0.19
178.49	0.00	179.01	0.10	179.53	0.16	180.05	0.20
178.50	0.00	179.02	0.10	179.54	0.16	180.06	0.20
178.51	0.00	179.03	0.10	179.55	0.16	180.07	0.20

Stage-Discharge for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
180.08	0.20	180.60	0.23	181.12	4.37	181.64	12.53
180.09	0.20	180.61	0.23	181.13	4.50	181.65	12.71
180.10	0.20	180.62	0.23	181.14	4.64	181.66	12.89
180.11	0.20	180.63	0.23	181.15	4.77	181.67	13.07
180.12	0.20	180.64	0.23	181.16	4.90	181.68	13.26
180.13	0.20	180.65	0.23	181.17	5.04	181.69	13.44
180.14	0.20	180.66	0.25	181.18	5.18	181.70	13.62
180.15	0.20	180.67	0.27	181.19	5.31	181.71	13.81
180.16	0.20	180.68	0.30	181.20	5.45	181.72	13.99
180.17	0.20	180.69	0.34	181.21	5.59	181.73	14.18
180.18	0.20	180.70	0.38	181.22	5.73	181.74	14.36
180.19	0.20	180.71	0.43	181.23	5.87	181.75	14.55
180.20	0.21	180.72	0.48	181.24	6.02	181.76	14.85
180.21	0.21	180.73	0.53	181.25	6.16	181.77	15.26
180.22	0.21	180.74	0.59	181.26	6.31	181.78	15.72
180.23	0.21	180.75	0.65	181.27	6.45	181.79	16.24
180.24	0.21	180.76	0.71	181.28	6.60	181.80	16.81
180.25	0.21	180.77	0.78	181.29	6.75	181.81	17.41
180.26	0.21	180.78	0.85	181.30	6.90	181.82	18.05
180.27	0.21	180.79	0.92	181.31	7.05	181.83	18.73
180.28	0.21	180.80	1.00	181.32	7.20	181.84	19.44
180.29	0.21	180.81	1.07	181.33	7.35	181.85	20.17
180.30	0.21	180.82	1.15	181.34	7.51	181.86	20.94
180.31	0.21	180.83	1.23	181.35	7.66	181.87	21.74
180.32	0.21	180.84	1.32	181.36	7.82	181.88	22.56
180.33	0.21	180.85	1.40	181.37	7.97	181.89	23.41
180.34	0.21	180.86	1.49	181.38	8.13	181.90	24.28
180.35	0.22	180.87	1.58	181.39	8.29	181.91	25.18
180.36	0.22	180.88	1.67	181.40	8.45	181.92	26.10
180.37	0.22	180.89	1.77	181.41	8.61	181.93	27.04
180.38	0.22	180.90	1.86	181.42	8.77	181.94	27.91
180.39	0.22	180.91	1.96	181.43	8.93	181.95	28.72
180.40	0.22	180.92	2.06	181.44	9.10	181.96	29.58
180.41	0.22	180.93	2.16	181.45	9.26	181.97	30.47
180.42	0.22	180.94	2.26	181.46	9.43	181.98	31.39
180.43	0.22	180.95	2.37	181.47	9.59	181.99	32.33
180.44	0.22	180.96	2.47	181.48	9.76	182.00	**33.30**
180.45	0.22	180.97	2.58	181.49	9.92		
180.46	0.22	180.98	2.69	181.50	10.09		
180.47	0.22	180.99	2.80	181.51	10.26		
180.48	0.22	181.00	2.91	181.52	10.43		
180.49	0.22	181.01	3.03	181.53	10.60		
180.50	0.22	181.02	3.14	181.54	10.77		
180.51	0.22	181.03	3.26	181.55	10.95		
180.52	0.23	181.04	3.38	181.56	11.12		
180.53	0.23	181.05	3.50	181.57	11.29		
180.54	0.23	181.06	3.62	181.58	11.47		
180.55	0.23	181.07	3.74	181.59	11.64		
180.56	0.23	181.08	3.87	181.60	11.82		
180.57	0.23	181.09	3.99	181.61	12.00		
180.58	0.23	181.10	4.12	181.62	12.17		
180.59	0.23	181.11	4.25	181.63	12.35		

Stage-Area-Storage for Pond B-16B: Basin #16B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
178.00	**6,329**	0	178.52	6,329	3,291
178.01	6,329	63	178.53	6,329	3,354
178.02	6,329	127	178.54	6,329	3,418
178.03	6,329	190	178.55	6,329	3,481
178.04	6,329	253	178.56	6,329	3,544
178.05	6,329	316	178.57	6,329	3,608
178.06	6,329	380	178.58	6,329	3,671
178.07	6,329	443	178.59	6,329	3,734
178.08	6,329	506	178.60	6,329	3,797
178.09	6,329	570	178.61	6,329	3,861
178.10	6,329	633	178.62	6,329	3,924
178.11	6,329	696	178.63	6,329	3,987
178.12	6,329	759	178.64	6,329	4,051
178.13	6,329	823	178.65	6,329	4,114
178.14	6,329	886	178.66	6,329	4,177
178.15	6,329	949	178.67	6,329	4,240
178.16	6,329	1,013	178.68	6,329	4,304
178.17	6,329	1,076	178.69	6,329	4,367
178.18	6,329	1,139	178.70	6,329	4,430
178.19	6,329	1,203	178.71	6,329	4,494
178.20	6,329	1,266	178.72	6,329	4,557
178.21	6,329	1,329	178.73	6,329	4,620
178.22	6,329	1,392	178.74	6,329	4,683
178.23	6,329	1,456	178.75	6,329	4,747
178.24	6,329	1,519	178.76	6,329	4,810
178.25	6,329	1,582	178.77	6,329	4,873
178.26	6,329	1,646	178.78	6,329	4,937
178.27	6,329	1,709	178.79	6,329	5,000
178.28	6,329	1,772	178.80	6,329	5,063
178.29	6,329	1,835	178.81	6,329	5,126
178.30	6,329	1,899	178.82	6,329	5,190
178.31	6,329	1,962	178.83	6,329	5,253
178.32	6,329	2,025	178.84	6,329	5,316
178.33	6,329	2,089	178.85	6,329	5,380
178.34	6,329	2,152	178.86	6,329	5,443
178.35	6,329	2,215	178.87	6,329	5,506
178.36	6,329	2,278	178.88	6,329	5,570
178.37	6,329	2,342	178.89	6,329	5,633
178.38	6,329	2,405	178.90	6,329	5,696
178.39	6,329	2,468	178.91	6,329	5,759
178.40	6,329	2,532	178.92	6,329	5,823
178.41	6,329	2,595	178.93	6,329	5,886
178.42	6,329	2,658	178.94	6,329	5,949
178.43	6,329	2,721	178.95	6,329	6,013
178.44	6,329	2,785	178.96	6,329	6,076
178.45	6,329	2,848	178.97	6,329	6,139
178.46	6,329	2,911	178.98	6,329	6,202
178.47	6,329	2,975	178.99	6,329	6,266
178.48	6,329	3,038	179.00	6,329	6,329
178.49	6,329	3,101	179.01	6,329	6,392
178.50	6,329	3,165	179.02	6,329	6,456
178.51	6,329	3,228	179.03	6,329	6,519

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.04	6,329	6,582	179.56	6,329	9,873
179.05	6,329	6,645	179.57	6,329	9,937
179.06	6,329	6,709	179.58	6,329	10,000
179.07	6,329	6,772	179.59	6,329	10,063
179.08	6,329	6,835	179.60	6,329	10,126
179.09	6,329	6,899	179.61	6,329	10,190
179.10	6,329	6,962	179.62	6,329	10,253
179.11	6,329	7,025	179.63	6,329	10,316
179.12	6,329	7,088	179.64	6,329	10,380
179.13	6,329	7,152	179.65	6,329	10,443
179.14	6,329	7,215	179.66	6,329	10,506
179.15	6,329	7,278	179.67	6,329	10,569
179.16	6,329	7,342	179.68	6,329	10,633
179.17	6,329	7,405	179.69	6,329	10,696
179.18	6,329	7,468	179.70	6,329	10,759
179.19	6,329	7,532	179.71	6,329	10,823
179.20	6,329	7,595	179.72	6,329	10,886
179.21	6,329	7,658	179.73	6,329	10,949
179.22	6,329	7,721	179.74	6,329	11,012
179.23	6,329	7,785	179.75	6,329	11,076
179.24	6,329	7,848	179.76	6,329	11,139
179.25	6,329	7,911	179.77	6,329	11,202
179.26	6,329	7,975	179.78	6,329	11,266
179.27	6,329	8,038	179.79	6,329	11,329
179.28	6,329	8,101	179.80	6,329	11,392
179.29	6,329	8,164	179.81	6,329	11,455
179.30	6,329	8,228	179.82	6,329	11,519
179.31	6,329	8,291	179.83	6,329	11,582
179.32	6,329	8,354	179.84	6,329	11,645
179.33	6,329	8,418	179.85	6,329	11,709
179.34	6,329	8,481	179.86	6,329	11,772
179.35	6,329	8,544	179.87	6,329	11,835
179.36	6,329	8,607	179.88	6,329	11,899
179.37	6,329	8,671	179.89	6,329	11,962
179.38	6,329	8,734	179.90	6,329	12,025
179.39	6,329	8,797	179.91	6,329	12,088
179.40	6,329	8,861	179.92	6,329	12,152
179.41	6,329	8,924	179.93	6,329	12,215
179.42	6,329	8,987	179.94	6,329	12,278
179.43	6,329	9,050	179.95	6,329	12,342
179.44	6,329	9,114	179.96	6,329	12,405
179.45	6,329	9,177	179.97	6,329	12,468
179.46	6,329	9,240	179.98	6,329	12,531
179.47	6,329	9,304	179.99	6,329	12,595
179.48	6,329	9,367	180.00	6,329	12,658
179.49	6,329	9,430	180.01	6,329	12,721
179.50	6,329	9,494	180.02	6,329	12,785
179.51	6,329	9,557	180.03	6,329	12,848
179.52	6,329	9,620	180.04	6,329	12,911
179.53	6,329	9,683	180.05	6,329	12,974
179.54	6,329	9,747	180.06	6,329	13,038
179.55	6,329	9,810	180.07	6,329	13,101

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.08	6,329	13,164	180.60	6,329	16,455
180.09	6,329	13,228	180.61	6,329	16,519
180.10	6,329	13,291	180.62	6,329	16,582
180.11	6,329	13,354	180.63	6,329	16,645
180.12	6,329	13,417	180.64	6,329	16,709
180.13	6,329	13,481	180.65	6,329	16,772
180.14	6,329	13,544	180.66	6,329	16,835
180.15	6,329	13,607	180.67	6,329	16,898
180.16	6,329	13,671	180.68	6,329	16,962
180.17	6,329	13,734	180.69	6,329	17,025
180.18	6,329	13,797	180.70	6,329	17,088
180.19	6,329	13,861	180.71	6,329	17,152
180.20	6,329	13,924	180.72	6,329	17,215
180.21	6,329	13,987	180.73	6,329	17,278
180.22	6,329	14,050	180.74	6,329	17,341
180.23	6,329	14,114	180.75	6,329	17,405
180.24	6,329	14,177	180.76	6,329	17,468
180.25	6,329	14,240	180.77	6,329	17,531
180.26	6,329	14,304	180.78	6,329	17,595
180.27	6,329	14,367	180.79	6,329	17,658
180.28	6,329	14,430	180.80	6,329	17,721
180.29	6,329	14,493	180.81	6,329	17,784
180.30	6,329	14,557	180.82	6,329	17,848
180.31	6,329	14,620	180.83	6,329	17,911
180.32	6,329	14,683	180.84	6,329	17,974
180.33	6,329	14,747	180.85	6,329	18,038
180.34	6,329	14,810	180.86	6,329	18,101
180.35	6,329	14,873	180.87	6,329	18,164
180.36	6,329	14,936	180.88	6,329	18,228
180.37	6,329	15,000	180.89	6,329	18,291
180.38	6,329	15,063	180.90	6,329	18,354
180.39	6,329	15,126	180.91	6,329	18,417
180.40	6,329	15,190	180.92	6,329	18,481
180.41	6,329	15,253	180.93	6,329	18,544
180.42	6,329	15,316	180.94	6,329	18,607
180.43	6,329	15,379	180.95	6,329	18,671
180.44	6,329	15,443	180.96	6,329	18,734
180.45	6,329	15,506	180.97	6,329	18,797
180.46	6,329	15,569	180.98	6,329	18,860
180.47	6,329	15,633	180.99	6,329	18,924
180.48	6,329	15,696	181.00	6,329	18,987
180.49	6,329	15,759	181.01	6,329	19,050
180.50	6,329	15,823	181.02	6,329	19,114
180.51	6,329	15,886	181.03	6,329	19,177
180.52	6,329	15,949	181.04	6,329	19,240
180.53	6,329	16,012	181.05	6,329	19,303
180.54	6,329	16,076	181.06	6,329	19,367
180.55	6,329	16,139	181.07	6,329	19,430
180.56	6,329	16,202	181.08	6,329	19,493
180.57	6,329	16,266	181.09	6,329	19,557
180.58	6,329	16,329	181.10	6,329	19,620
180.59	6,329	16,392	181.11	6,329	19,683

Stage-Area-Storage for Pond B-16B: Basin #16B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.12	6,329	19,746
181.13	6,329	19,810
181.14	6,329	19,873
181.15	6,329	19,936
181.16	6,329	20,000
181.17	6,329	20,063
181.18	6,329	20,126
181.19	6,329	20,190
181.20	6,329	20,253
181.21	6,329	20,316
181.22	6,329	20,379
181.23	6,329	20,443
181.24	6,329	20,506
181.25	6,329	20,569
181.26	6,329	20,633
181.27	6,329	20,696
181.28	6,329	20,759
181.29	6,329	20,822
181.30	6,329	20,886
181.31	6,329	20,949
181.32	6,329	21,012
181.33	6,329	21,076
181.34	6,329	21,139
181.35	6,329	21,202
181.36	6,329	21,265
181.37	6,329	21,329
181.38	6,329	21,392
181.39	6,329	21,455
181.40	6,329	21,519
181.41	6,329	21,582
181.42	6,329	21,645
181.43	6,329	21,708
181.44	6,329	21,772
181.45	6,329	21,835
181.46	6,329	21,898
181.47	6,329	21,962
181.48	6,329	22,025
181.49	6,329	22,088
181.50	6,329	22,152
181.51	6,329	22,215
181.52	6,329	22,278
181.53	6,329	22,341
181.54	6,329	22,405
181.55	6,329	22,468
181.56	6,329	22,531
181.57	6,329	22,595
181.58	6,329	22,658
181.59	6,329	22,721
181.60	6,329	22,784
181.61	6,329	22,848
181.62	6,329	22,911
181.63	6,329	22,974
181.64	6,329	23,038
181.65	6,329	23,101
181.66	6,329	23,164
181.67	6,329	23,227
181.68	6,329	23,291
181.69	6,329	23,354
181.70	6,329	23,417
181.71	6,329	23,481
181.72	6,329	23,544
181.73	6,329	23,607
181.74	6,329	23,670
181.75	6,329	23,734
181.76	6,329	23,797
181.77	6,329	23,860
181.78	6,329	23,924
181.79	6,329	23,987
181.80	6,329	24,050
181.81	6,329	24,113
181.82	6,329	24,177
181.83	6,329	24,240
181.84	6,329	24,303
181.85	6,329	24,367
181.86	6,329	24,430
181.87	6,329	24,493
181.88	6,329	24,557
181.89	6,329	24,620
181.90	6,329	24,683
181.91	6,329	24,746
181.92	6,329	24,810
181.93	6,329	24,873
181.94	6,329	24,936
181.95	6,329	25,000
181.96	6,329	25,063
181.97	6,329	25,126
181.98	6,329	25,189
181.99	6,329	25,253
182.00	6,329	**25,316**

Summary for Pond B-17A: Basin #17A

Inflow Area = 1.324 ac, 14.58% Impervious, Inflow Depth = 3.40" for Future 10 yr event
Inflow = 6.30 cfs @ 12.09 hrs, Volume= 0.375 af
Outflow = 0.19 cfs @ 14.93 hrs, Volume= 0.328 af, Atten= 97%, Lag= 170.6 min
Primary = 0.19 cfs @ 14.93 hrs, Volume= 0.328 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.69' @ 14.93 hrs Surf.Area= 7,223 sf Storage= 10,718 cf

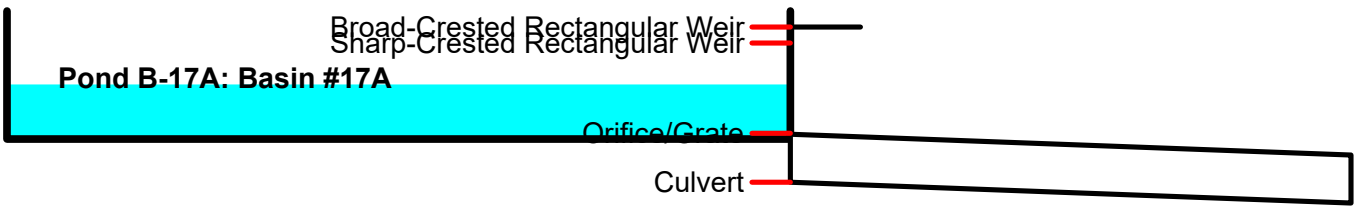
Plug-Flow detention time= 647.7 min calculated for 0.328 af (87% of inflow)
Center-of-Mass det. time= 588.4 min (1,398.1 - 809.7)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	30,377 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

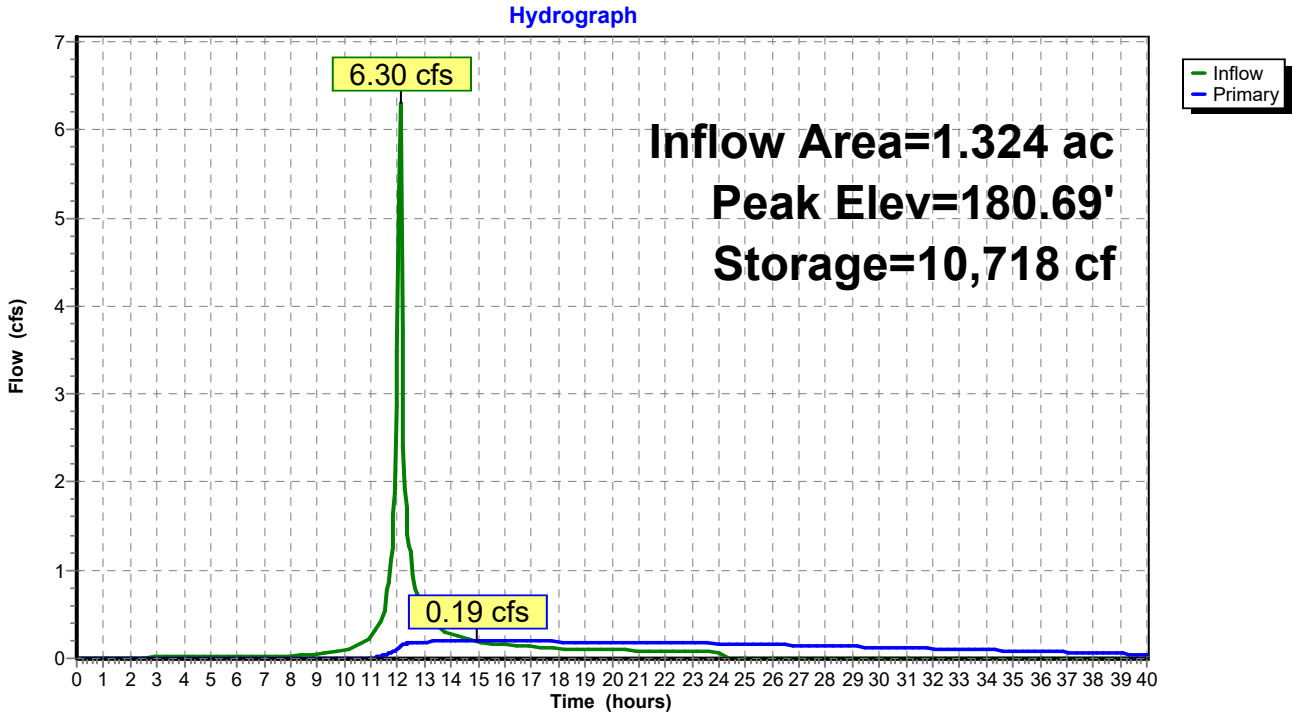
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	5,508	0	0
180.00	6,502	6,005	6,005
181.00	7,552	7,027	13,032
182.00	8,658	8,105	21,137
183.00	9,821	9,240	30,377

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.18'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	182.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.19 cfs @ 14.93 hrs HW=180.69' (Free Discharge)
- **1=Culvert** (Passes 0.19 cfs of 12.87 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.70 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17A: Basin #17A



Hydrograph for Pond B-17A: Basin #17A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	1	179.00	0.00
1.00	0.00	1	179.00	0.00
1.10	0.00	2	179.00	0.00
1.20	0.00	3	179.00	0.00
1.30	0.00	5	179.00	0.00
1.40	0.00	6	179.00	0.00
1.50	0.00	8	179.00	0.00
1.60	0.01	10	179.00	0.00
1.70	0.01	12	179.00	0.00
1.80	0.01	14	179.00	0.00
1.90	0.01	16	179.00	0.00
2.00	0.01	18	179.00	0.00
2.10	0.01	21	179.00	0.00
2.20	0.01	24	179.00	0.00
2.30	0.01	27	179.00	0.00
2.40	0.01	30	179.01	0.00
2.50	0.01	33	179.01	0.00
2.60	0.01	36	179.01	0.00
2.70	0.01	39	179.01	0.00
2.80	0.01	43	179.01	0.00
2.90	0.01	46	179.01	0.00
3.00	0.01	50	179.01	0.00
3.10	0.01	53	179.01	0.00
3.20	0.01	57	179.01	0.00
3.30	0.01	61	179.01	0.00
3.40	0.01	65	179.01	0.00
3.50	0.01	69	179.01	0.00
3.60	0.01	73	179.01	0.00
3.70	0.01	78	179.01	0.00
3.80	0.01	82	179.01	0.00
3.90	0.01	86	179.02	0.00
4.00	0.01	91	179.02	0.00
4.10	0.01	96	179.02	0.00
4.20	0.01	100	179.02	0.00
4.30	0.01	105	179.02	0.00
4.40	0.01	110	179.02	0.00
4.50	0.01	115	179.02	0.00
4.60	0.01	119	179.02	0.00
4.70	0.01	124	179.02	0.00
4.80	0.01	130	179.02	0.00
4.90	0.01	135	179.02	0.00
5.00	0.01	140	179.03	0.00
5.10	0.01	145	179.03	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.01	150	179.03	0.00
5.30	0.02	156	179.03	0.00
5.40	0.02	161	179.03	0.00
5.50	0.02	167	179.03	0.00
5.60	0.02	172	179.03	0.00
5.70	0.02	178	179.03	0.00
5.80	0.02	184	179.03	0.00
5.90	0.02	190	179.03	0.00
6.00	0.02	195	179.04	0.00
6.10	0.02	201	179.04	0.00
6.20	0.02	207	179.04	0.00
6.30	0.02	214	179.04	0.00
6.40	0.02	220	179.04	0.00
6.50	0.02	227	179.04	0.00
6.60	0.02	234	179.04	0.00
6.70	0.02	240	179.04	0.00
6.80	0.02	248	179.04	0.00
6.90	0.02	255	179.05	0.00
7.00	0.02	262	179.05	0.00
7.10	0.02	270	179.05	0.00
7.20	0.02	278	179.05	0.00
7.30	0.02	286	179.05	0.00
7.40	0.02	294	179.05	0.00
7.50	0.02	302	179.05	0.00
7.60	0.02	311	179.06	0.00
7.70	0.02	319	179.06	0.00
7.80	0.02	328	179.06	0.00
7.90	0.03	337	179.06	0.00
8.00	0.03	346	179.06	0.00
8.10	0.03	356	179.06	0.00
8.20	0.03	365	179.07	0.00
8.30	0.03	376	179.07	0.00
8.40	0.03	387	179.07	0.00
8.50	0.03	399	179.07	0.00
8.60	0.04	411	179.07	0.00
8.70	0.04	425	179.08	0.00
8.80	0.04	439	179.08	0.00
8.90	0.04	453	179.08	0.00
9.00	0.04	469	179.08	0.00
9.10	0.05	486	179.09	0.00
9.20	0.05	504	179.09	0.00
9.30	0.06	524	179.09	0.00
9.40	0.06	545	179.10	0.00
9.50	0.07	569	179.10	0.00
9.60	0.07	594	179.11	0.00
9.70	0.08	621	179.11	0.00
9.80	0.08	650	179.12	0.00
9.90	0.09	681	179.12	0.00
10.00	0.10	715	179.13	0.00
10.10	0.10	751	179.13	0.00
10.20	0.11	789	179.14	0.00
10.30	0.12	830	179.15	0.00

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.12	873	179.16	0.00
10.50	0.13	920	179.16	0.00
10.60	0.15	971	179.17	0.00
10.70	0.17	1,030	179.18	0.00
10.80	0.19	1,096	179.20	0.00
10.90	0.22	1,170	179.21	0.00
11.00	0.24	1,253	179.22	0.00
11.10	0.29	1,347	179.24	0.01
11.20	0.33	1,456	179.26	0.01
11.30	0.38	1,581	179.28	0.02
11.40	0.44	1,721	179.30	0.03
11.50	0.49	1,877	179.33	0.03
11.60	0.78	2,097	179.37	0.05
11.70	0.87	2,376	179.42	0.06
11.80	1.26	2,744	179.48	0.07
11.90	1.87	3,290	179.57	0.09
12.00	3.48	4,251	179.72	0.11
12.10	**6.22**	6,028	180.00	0.14
12.20	2.41	7,418	180.21	0.16
12.30	1.72	8,077	180.31	0.17
12.40	1.28	8,540	180.38	0.17
12.50	1.21	8,922	180.43	0.18
12.60	0.80	9,207	180.47	0.18
12.70	0.74	9,418	180.50	0.18
12.80	0.68	9,607	180.53	0.18
12.90	0.62	9,774	180.55	0.19
13.00	0.56	9,916	180.57	0.19
13.10	0.49	10,036	180.59	0.19
13.20	0.46	10,138	180.61	0.19
13.30	0.42	10,227	180.62	0.19
13.40	0.39	10,303	180.63	0.19
13.50	0.35	10,367	180.64	0.19
13.60	0.32	10,418	180.65	0.19
13.70	0.31	10,461	180.65	0.19
13.80	0.30	10,501	180.66	0.19
13.90	0.29	10,538	180.66	0.19
14.00	0.28	10,571	180.67	0.19
14.10	0.27	10,601	180.67	0.19
14.20	0.26	10,627	180.67	0.19
14.30	0.25	10,650	180.68	0.19
14.40	0.24	10,670	180.68	0.19
14.50	0.24	10,687	180.68	0.19
14.60	0.23	10,700	180.68	0.19
14.70	0.22	10,709	180.69	0.19
14.80	0.21	10,715	180.69	0.19
14.90	0.20	**10,718**	**180.69**	**0.19**
15.00	0.19	**10,718**	**180.69**	**0.19**
15.10	0.18	10,714	180.69	0.19
15.20	0.18	10,708	180.69	0.19
15.30	0.17	10,701	180.68	0.19
15.40	0.17	10,694	180.68	0.19
15.50	0.17	10,685	180.68	0.19

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	10,676	180.68	0.19
15.70	0.16	10,666	180.68	0.19
15.80	0.16	10,655	180.68	0.19
15.90	0.16	10,644	180.68	0.19
16.00	0.16	10,631	180.67	0.19
16.10	0.16	10,618	180.67	0.19
16.20	0.15	10,603	180.67	0.19
16.30	0.15	10,588	180.67	0.19
16.40	0.15	10,572	180.67	0.19
16.50	0.15	10,556	180.66	0.19
16.60	0.14	10,538	180.66	0.19
16.70	0.14	10,520	180.66	0.19
16.80	0.14	10,501	180.66	0.19
16.90	0.14	10,480	180.65	0.19
17.00	0.13	10,460	180.65	0.19
17.10	0.13	10,438	180.65	0.19
17.20	0.13	10,415	180.64	0.19
17.30	0.12	10,392	180.64	0.19
17.40	0.12	10,368	180.64	0.19
17.50	0.12	10,343	180.63	0.19
17.60	0.12	10,317	180.63	0.19
17.70	0.12	10,290	180.63	0.19
17.80	0.11	10,263	180.62	0.19
17.90	0.11	10,235	180.62	0.19
18.00	0.11	10,206	180.62	0.19
18.10	0.11	10,176	180.61	0.19
18.20	0.10	10,145	180.61	0.19
18.30	0.10	10,115	180.60	0.19
18.40	0.10	10,084	180.60	0.19
18.50	0.10	10,054	180.59	0.19
18.60	0.10	10,023	180.59	0.19
18.70	0.10	9,992	180.59	0.19
18.80	0.10	9,961	180.58	0.19
18.90	0.10	9,930	180.58	0.19
19.00	0.10	9,899	180.57	0.19
19.10	0.10	9,868	180.57	0.19
19.20	0.10	9,836	180.56	0.19
19.30	0.10	9,805	180.56	0.19
19.40	0.10	9,773	180.55	0.19
19.50	0.10	9,742	180.55	0.18
19.60	0.10	9,710	180.55	0.18
19.70	0.10	9,678	180.54	0.18
19.80	0.10	9,646	180.54	0.18
19.90	0.09	9,614	180.53	0.18
20.00	0.09	9,582	180.53	0.18
20.10	0.09	9,549	180.52	0.18
20.20	0.09	9,517	180.52	0.18
20.30	0.09	9,484	180.51	0.18
20.40	0.09	9,452	180.51	0.18
20.50	0.09	9,419	180.50	0.18
20.60	0.09	9,386	180.50	0.18
20.70	0.09	9,353	180.50	0.18

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	9,320	180.49	0.18
20.90	0.09	9,287	180.49	0.18
21.00	0.09	9,254	180.48	0.18
21.10	0.09	9,221	180.48	0.18
21.20	0.09	9,187	180.47	0.18
21.30	0.09	9,154	180.47	0.18
21.40	0.08	9,120	180.46	0.18
21.50	0.08	9,086	180.46	0.18
21.60	0.08	9,053	180.45	0.18
21.70	0.08	9,019	180.45	0.18
21.80	0.08	8,985	180.44	0.18
21.90	0.08	8,951	180.44	0.18
22.00	0.08	8,917	180.43	0.18
22.10	0.08	8,882	180.43	0.18
22.20	0.08	8,848	180.42	0.18
22.30	0.08	8,814	180.42	0.17
22.40	0.08	8,779	180.41	0.17
22.50	0.08	8,744	180.41	0.17
22.60	0.08	8,710	180.40	0.17
22.70	0.08	8,675	180.40	0.17
22.80	0.08	8,640	180.39	0.17
22.90	0.07	8,605	180.39	0.17
23.00	0.07	8,570	180.38	0.17
23.10	0.07	8,535	180.38	0.17
23.20	0.07	8,499	180.37	0.17
23.30	0.07	8,464	180.37	0.17
23.40	0.07	8,429	180.36	0.17
23.50	0.07	8,393	180.36	0.17
23.60	0.07	8,357	180.35	0.17
23.70	0.07	8,322	180.35	0.17
23.80	0.07	8,286	180.34	0.17
23.90	0.07	8,250	180.34	0.17
24.00	0.08	8,218	180.33	0.17
24.10	0.00	8,170	180.32	0.17
24.20	0.00	8,110	180.32	0.17
24.30	0.00	8,050	180.31	0.17
24.40	0.00	7,991	180.30	0.17
24.50	0.00	7,931	180.29	0.16
24.60	0.00	7,872	180.28	0.16
24.70	0.00	7,813	180.27	0.16
24.80	0.00	7,755	180.26	0.16
24.90	0.00	7,696	180.25	0.16
25.00	0.00	7,638	180.25	0.16
25.10	0.00	7,580	180.24	0.16
25.20	0.00	7,523	180.23	0.16
25.30	0.00	7,466	180.22	0.16
25.40	0.00	7,408	180.21	0.16
25.50	0.00	7,352	180.20	0.16
25.60	0.00	7,295	180.20	0.16
25.70	0.00	7,239	180.19	0.16
25.80	0.00	7,183	180.18	0.16
25.90	0.00	7,127	180.17	0.15

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,072	180.16	0.15
26.10	0.00	7,016	180.15	0.15
26.20	0.00	6,961	180.15	0.15
26.30	0.00	6,907	180.14	0.15
26.40	0.00	6,852	180.13	0.15
26.50	0.00	6,798	180.12	0.15
26.60	0.00	6,744	180.11	0.15
26.70	0.00	6,691	180.10	0.15
26.80	0.00	6,637	180.10	0.15
26.90	0.00	6,584	180.09	0.15
27.00	0.00	6,531	180.08	0.15
27.10	0.00	6,479	180.07	0.15
27.20	0.00	6,426	180.06	0.14
27.30	0.00	6,374	180.06	0.14
27.40	0.00	6,322	180.05	0.14
27.50	0.00	6,271	180.04	0.14
27.60	0.00	6,220	180.03	0.14
27.70	0.00	6,169	180.03	0.14
27.80	0.00	6,118	180.02	0.14
27.90	0.00	6,067	180.01	0.14
28.00	0.00	6,017	180.00	0.14
28.10	0.00	5,967	179.99	0.14
28.20	0.00	5,918	179.99	0.14
28.30	0.00	5,868	179.98	0.14
28.40	0.00	5,819	179.97	0.14
28.50	0.00	5,770	179.96	0.14
28.60	0.00	5,722	179.96	0.13
28.70	0.00	5,674	179.95	0.13
28.80	0.00	5,625	179.94	0.13
28.90	0.00	5,578	179.93	0.13
29.00	0.00	5,530	179.93	0.13
29.10	0.00	5,483	179.92	0.13
29.20	0.00	5,436	179.91	0.13
29.30	0.00	5,389	179.90	0.13
29.40	0.00	5,343	179.90	0.13
29.50	0.00	5,297	179.89	0.13
29.60	0.00	5,251	179.88	0.13
29.70	0.00	5,205	179.88	0.13
29.80	0.00	5,160	179.87	0.13
29.90	0.00	5,115	179.86	0.12
30.00	0.00	5,070	179.85	0.12
30.10	0.00	5,026	179.85	0.12
30.20	0.00	4,982	179.84	0.12
30.30	0.00	4,938	179.83	0.12
30.40	0.00	4,894	179.83	0.12
30.50	0.00	4,851	179.82	0.12
30.60	0.00	4,808	179.81	0.12
30.70	0.00	4,765	179.81	0.12
30.80	0.00	4,722	179.80	0.12
30.90	0.00	4,680	179.79	0.12
31.00	0.00	4,638	179.79	0.12
31.10	0.00	4,596	179.78	0.12

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,555	179.77	0.11
31.30	0.00	4,514	179.77	0.11
31.40	0.00	4,473	179.76	0.11
31.50	0.00	4,432	179.75	0.11
31.60	0.00	4,392	179.75	0.11
31.70	0.00	4,352	179.74	0.11
31.80	0.00	4,312	179.73	0.11
31.90	0.00	4,272	179.73	0.11
32.00	0.00	4,233	179.72	0.11
32.10	0.00	4,194	179.72	0.11
32.20	0.00	4,156	179.71	0.11
32.30	0.00	4,117	179.70	0.11
32.40	0.00	4,079	179.70	0.11
32.50	0.00	4,041	179.69	0.10
32.60	0.00	4,004	179.68	0.10
32.70	0.00	3,967	179.68	0.10
32.80	0.00	3,930	179.67	0.10
32.90	0.00	3,893	179.67	0.10
33.00	0.00	3,857	179.66	0.10
33.10	0.00	3,820	179.65	0.10
33.20	0.00	3,785	179.65	0.10
33.30	0.00	3,749	179.64	0.10
33.40	0.00	3,714	179.64	0.10
33.50	0.00	3,679	179.63	0.10
33.60	0.00	3,644	179.63	0.10
33.70	0.00	3,610	179.62	0.10
33.80	0.00	3,576	179.62	0.09
33.90	0.00	3,542	179.61	0.09
34.00	0.00	3,508	179.60	0.09
34.10	0.00	3,475	179.60	0.09
34.20	0.00	3,442	179.59	0.09
34.30	0.00	3,409	179.59	0.09
34.40	0.00	3,377	179.58	0.09
34.50	0.00	3,345	179.58	0.09
34.60	0.00	3,313	179.57	0.09
34.70	0.00	3,281	179.57	0.09
34.80	0.00	3,250	179.56	0.09
34.90	0.00	3,219	179.56	0.09
35.00	0.00	3,188	179.55	0.08
35.10	0.00	3,158	179.55	0.08
35.20	0.00	3,128	179.54	0.08
35.30	0.00	3,098	179.54	0.08
35.40	0.00	3,069	179.53	0.08
35.50	0.00	3,039	179.53	0.08
35.60	0.00	3,011	179.52	0.08
35.70	0.00	2,982	179.52	0.08
35.80	0.00	2,953	179.51	0.08
35.90	0.00	2,925	179.51	0.08
36.00	0.00	2,898	179.50	0.08
36.10	0.00	2,870	179.50	0.08
36.20	0.00	2,843	179.49	0.08
36.30	0.00	2,816	179.49	0.07

Hydrograph for Pond B-17A: Basin #17A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,789	179.49	0.07
36.50	0.00	2,763	179.48	0.07
36.60	0.00	2,737	179.48	0.07
36.70	0.00	2,711	179.47	0.07
36.80	0.00	2,686	179.47	0.07
36.90	0.00	2,661	179.46	0.07
37.00	0.00	2,636	179.46	0.07
37.10	0.00	2,611	179.46	0.07
37.20	0.00	2,587	179.45	0.07
37.30	0.00	2,563	179.45	0.07
37.40	0.00	2,539	179.44	0.07
37.50	0.00	2,516	179.44	0.06
37.60	0.00	2,493	179.44	0.06
37.70	0.00	2,470	179.43	0.06
37.80	0.00	2,448	179.43	0.06
37.90	0.00	2,425	179.42	0.06
38.00	0.00	2,403	179.42	0.06
38.10	0.00	2,382	179.42	0.06
38.20	0.00	2,361	179.41	0.06
38.30	0.00	2,340	179.41	0.06
38.40	0.00	2,319	179.41	0.06
38.50	0.00	2,298	179.40	0.06
38.60	0.00	2,278	179.40	0.06
38.70	0.00	2,258	179.40	0.05
38.80	0.00	2,239	179.39	0.05
38.90	0.00	2,219	179.39	0.05
39.00	0.00	2,201	179.39	0.05
39.10	0.00	2,182	179.38	0.05
39.20	0.00	2,164	179.38	0.05
39.30	0.00	2,146	179.38	0.05
39.40	0.00	2,128	179.37	0.05
39.50	0.00	2,110	179.37	0.05
39.60	0.00	2,093	179.37	0.05
39.70	0.00	2,076	179.36	0.05
39.80	0.00	2,060	179.36	0.05
39.90	0.00	2,043	179.36	0.04
40.00	0.00	2,027	179.36	0.04

Stage-Discharge for Pond B-17A: Basin #17A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	0.14	180.56	0.19
179.01	0.00	179.53	0.08	180.05	0.14	180.57	0.19
179.02	0.00	179.54	0.08	180.06	0.14	180.58	0.19
179.03	0.00	179.55	0.08	180.07	0.15	180.59	0.19
179.04	0.00	179.56	0.09	180.08	0.15	180.60	0.19
179.05	0.00	179.57	0.09	180.09	0.15	180.61	0.19
179.06	0.00	179.58	0.09	180.10	0.15	180.62	0.19
179.07	0.00	179.59	0.09	180.11	0.15	180.63	0.19
179.08	0.00	179.60	0.09	180.12	0.15	180.64	0.19
179.09	0.00	179.61	0.09	180.13	0.15	180.65	0.19
179.10	0.00	179.62	0.10	180.14	0.15	180.66	0.19
179.11	0.00	179.63	0.10	180.15	0.15	180.67	0.19
179.12	0.00	179.64	0.10	180.16	0.15	180.68	0.19
179.13	0.00	179.65	0.10	180.17	0.15	180.69	0.19
179.14	0.00	179.66	0.10	180.18	0.16	180.70	0.20
179.15	0.00	179.67	0.10	180.19	0.16	180.71	0.20
179.16	0.00	179.68	0.10	180.20	0.16	180.72	0.20
179.17	0.00	179.69	0.10	180.21	0.16	180.73	0.20
179.18	0.00	179.70	0.11	180.22	0.16	180.74	0.20
179.19	0.00	179.71	0.11	180.23	0.16	180.75	0.20
179.20	0.00	179.72	0.11	180.24	0.16	180.76	0.20
179.21	0.00	179.73	0.11	180.25	0.16	180.77	0.20
179.22	0.00	179.74	0.11	180.26	0.16	180.78	0.20
179.23	0.00	179.75	0.11	180.27	0.16	180.79	0.20
179.24	0.01	179.76	0.11	180.28	0.16	180.80	0.20
179.25	0.01	179.77	0.11	180.29	0.16	180.81	0.20
179.26	0.01	179.78	0.12	180.30	0.17	180.82	0.20
179.27	0.01	179.79	0.12	180.31	0.17	180.83	0.20
179.28	0.02	179.80	0.12	180.32	0.17	180.84	0.20
179.29	0.02	179.81	0.12	180.33	0.17	180.85	0.21
179.30	0.02	179.82	0.12	180.34	0.17	180.86	0.21
179.31	0.03	179.83	0.12	180.35	0.17	180.87	0.21
179.32	0.03	179.84	0.12	180.36	0.17	180.88	0.21
179.33	0.03	179.85	0.12	180.37	0.17	180.89	0.21
179.34	0.04	179.86	0.12	180.38	0.17	180.90	0.21
179.35	0.04	179.87	0.13	180.39	0.17	180.91	0.21
179.36	0.05	179.88	0.13	180.40	0.17	180.92	0.21
179.37	0.05	179.89	0.13	180.41	0.17	180.93	0.21
179.38	0.05	179.90	0.13	180.42	0.17	180.94	0.21
179.39	0.05	179.91	0.13	180.43	0.18	180.95	0.21
179.40	0.06	179.92	0.13	180.44	0.18	180.96	0.21
179.41	0.06	179.93	0.13	180.45	0.18	180.97	0.21
179.42	0.06	179.94	0.13	180.46	0.18	180.98	0.21
179.43	0.06	179.95	0.13	180.47	0.18	180.99	0.21
179.44	0.06	179.96	0.13	180.48	0.18	181.00	0.22
179.45	0.07	179.97	0.14	180.49	0.18	181.01	0.22
179.46	0.07	179.98	0.14	180.50	0.18	181.02	0.22
179.47	0.07	179.99	0.14	180.51	0.18	181.03	0.22
179.48	0.07	180.00	0.14	180.52	0.18	181.04	0.22
179.49	0.07	180.01	0.14	180.53	0.18	181.05	0.22
179.50	0.08	180.02	0.14	180.54	0.18	181.06	0.22
179.51	0.08	180.03	0.14	180.55	0.18	181.07	0.22

Stage-Discharge for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.22	181.60	0.25	182.12	0.82	182.64	12.95
181.09	0.22	181.61	0.25	182.13	0.89	182.65	13.78
181.10	0.22	181.62	0.25	182.14	0.96	182.66	14.63
181.11	0.22	181.63	0.25	182.15	1.03	182.67	15.50
181.12	0.22	181.64	0.25	182.16	1.11	182.68	16.40
181.13	0.22	181.65	0.25	182.17	1.19	182.69	17.32
181.14	0.22	181.66	0.25	182.18	1.27	182.70	18.26
181.15	0.22	181.67	0.25	182.19	1.35	182.71	19.26
181.16	0.22	181.68	0.25	182.20	1.44	182.72	20.29
181.17	0.23	181.69	0.25	182.21	1.53	182.73	21.35
181.18	0.23	181.70	0.26	182.22	1.62	182.74	22.43
181.19	0.23	181.71	0.26	182.23	1.71	182.75	23.54
181.20	0.23	181.72	0.26	182.24	1.80	182.76	24.67
181.21	0.23	181.73	0.26	182.25	1.90	182.77	25.83
181.22	0.23	181.74	0.26	182.26	1.99	182.78	27.01
181.23	0.23	181.75	0.26	182.27	2.09	182.79	28.23
181.24	0.23	181.76	0.26	182.28	2.19	182.80	29.46
181.25	0.23	181.77	0.26	182.29	2.30	182.81	30.72
181.26	0.23	181.78	0.26	182.30	2.40	182.82	32.01
181.27	0.23	181.79	0.26	182.31	2.51	182.83	33.32
181.28	0.23	181.80	0.26	182.32	2.62	182.84	34.66
181.29	0.23	181.81	0.26	182.33	2.73	182.85	36.02
181.30	0.23	181.82	0.26	182.34	2.84	182.86	37.41
181.31	0.23	181.83	0.26	182.35	2.95	182.87	38.82
181.32	0.23	181.84	0.26	182.36	3.06	182.88	40.26
181.33	0.23	181.85	0.26	182.37	3.18	182.89	41.72
181.34	0.24	181.86	0.26	182.38	3.29	182.90	43.21
181.35	0.24	181.87	0.26	182.39	3.41	182.91	44.75
181.36	0.24	181.88	0.26	182.40	3.53	182.92	46.31
181.37	0.24	181.89	0.26	182.41	3.65	182.93	47.90
181.38	0.24	181.90	0.27	182.42	3.78	182.94	49.52
181.39	0.24	181.91	0.27	182.43	3.90	182.95	51.17
181.40	0.24	181.92	0.27	182.44	4.03	182.96	52.84
181.41	0.24	181.93	0.27	182.45	4.15	182.97	54.54
181.42	0.24	181.94	0.27	182.46	4.28	182.98	56.27
181.43	0.24	181.95	0.27	182.47	4.41	182.99	58.03
181.44	0.24	181.96	0.27	182.48	4.54	183.00	**59.81**
181.45	0.24	181.97	0.27	182.49	4.67		
181.46	0.24	181.98	0.27	182.50	4.80		
181.47	0.24	181.99	0.27	182.51	5.05		
181.48	0.24	182.00	0.27	182.52	5.40		
181.49	0.24	182.01	0.28	182.53	5.82		
181.50	0.24	182.02	0.31	182.54	6.28		
181.51	0.24	182.03	0.34	182.55	6.80		
181.52	0.25	182.04	0.38	182.56	7.35		
181.53	0.25	182.05	0.42	182.57	7.94		
181.54	0.25	182.06	0.47	182.58	8.57		
181.55	0.25	182.07	0.52	182.59	9.22		
181.56	0.25	182.08	0.57	182.60	9.91		
181.57	0.25	182.09	0.63	182.61	10.63		
181.58	0.25	182.10	0.69	182.62	11.38		
181.59	0.25	182.11	0.75	182.63	12.15		

Stage-Area-Storage for Pond B-17A: Basin #17A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	5,508	0
179.01	5,518	55
179.02	5,528	110
179.03	5,538	166
179.04	5,548	221
179.05	5,558	277
179.06	5,568	332
179.07	5,578	388
179.08	5,588	444
179.09	5,597	500
179.10	5,607	556
179.11	5,617	612
179.12	5,627	668
179.13	5,637	724
179.14	5,647	781
179.15	5,657	837
179.16	5,667	894
179.17	5,677	951
179.18	5,687	1,008
179.19	5,697	1,064
179.20	5,707	1,121
179.21	5,717	1,179
179.22	5,727	1,236
179.23	5,737	1,293
179.24	5,747	1,351
179.25	5,757	1,408
179.26	5,766	1,466
179.27	5,776	1,523
179.28	5,786	1,581
179.29	5,796	1,639
179.30	5,806	1,697
179.31	5,816	1,755
179.32	5,826	1,813
179.33	5,836	1,872
179.34	5,846	1,930
179.35	5,856	1,989
179.36	5,866	2,047
179.37	5,876	2,106
179.38	5,886	2,165
179.39	5,896	2,224
179.40	5,906	2,283
179.41	5,916	2,342
179.42	5,925	2,401
179.43	5,935	2,460
179.44	5,945	2,520
179.45	5,955	2,579
179.46	5,965	2,639
179.47	5,975	2,699
179.48	5,985	2,758
179.49	5,995	2,818
179.50	6,005	2,878
179.51	6,015	2,938
179.52	6,025	2,999
179.53	6,035	3,059
179.54	6,045	3,119
179.55	6,055	3,180
179.56	6,065	3,240
179.57	6,075	3,301
179.58	6,085	3,362
179.59	6,094	3,423
179.60	6,104	3,484
179.61	6,114	3,545
179.62	6,124	3,606
179.63	6,134	3,667
179.64	6,144	3,729
179.65	6,154	3,790
179.66	6,164	3,852
179.67	6,174	3,913
179.68	6,184	3,975
179.69	6,194	4,037
179.70	6,204	4,099
179.71	6,214	4,161
179.72	6,224	4,223
179.73	6,234	4,286
179.74	6,244	4,348
179.75	6,254	4,411
179.76	6,263	4,473
179.77	6,273	4,536
179.78	6,283	4,599
179.79	6,293	4,661
179.80	6,303	4,724
179.81	6,313	4,788
179.82	6,323	4,851
179.83	6,333	4,914
179.84	6,343	4,977
179.85	6,353	5,041
179.86	6,363	5,104
179.87	6,373	5,168
179.88	6,383	5,232
179.89	6,393	5,296
179.90	6,403	5,360
179.91	6,413	5,424
179.92	6,422	5,488
179.93	6,432	5,552
179.94	6,442	5,617
179.95	6,452	5,681
179.96	6,462	5,746
179.97	6,472	5,810
179.98	6,482	5,875
179.99	6,492	5,940
180.00	6,502	6,005
180.01	6,512	6,070
180.02	6,523	6,135
180.03	6,534	6,201

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	6,544	6,266	180.56	7,090	9,811
180.05	6,555	6,331	180.57	7,100	9,882
180.06	6,565	6,397	180.58	7,111	9,953
180.07	6,575	6,463	180.59	7,122	10,024
180.08	6,586	6,529	180.60	7,132	10,095
180.09	6,597	6,594	180.61	7,143	10,167
180.10	6,607	6,660	180.62	7,153	10,238
180.11	6,618	6,727	180.63	7,163	10,310
180.12	6,628	6,793	180.64	7,174	10,381
180.13	6,638	6,859	180.65	7,185	10,453
180.14	6,649	6,926	180.66	7,195	10,525
180.15	6,660	6,992	180.67	7,205	10,597
180.16	6,670	7,059	180.68	7,216	10,669
180.17	6,680	7,126	180.69	7,226	10,741
180.18	6,691	7,192	180.70	7,237	10,814
180.19	6,701	7,259	180.71	7,248	10,886
180.20	6,712	7,326	180.72	7,258	10,959
180.21	6,723	7,394	180.73	7,268	11,031
180.22	6,733	7,461	180.74	7,279	11,104
180.23	6,743	7,528	180.75	7,290	11,177
180.24	6,754	7,596	180.76	7,300	11,250
180.25	6,765	7,663	180.77	7,311	11,323
180.26	6,775	7,731	180.78	7,321	11,396
180.27	6,786	7,799	180.79	7,331	11,469
180.28	6,796	7,867	180.80	7,342	11,543
180.29	6,806	7,935	180.81	7,353	11,616
180.30	6,817	8,003	180.82	7,363	11,690
180.31	6,828	8,071	180.83	7,374	11,763
180.32	6,838	8,139	180.84	7,384	11,837
180.33	6,849	8,208	180.85	7,394	11,911
180.34	6,859	8,276	180.86	7,405	11,985
180.35	6,869	8,345	180.87	7,416	12,059
180.36	6,880	8,414	180.88	7,426	12,133
180.37	6,891	8,483	180.89	7,436	12,208
180.38	6,901	8,552	180.90	7,447	12,282
180.39	6,911	8,621	180.91	7,457	12,357
180.40	6,922	8,690	180.92	7,468	12,431
180.41	6,932	8,759	180.93	7,479	12,506
180.42	6,943	8,828	180.94	7,489	12,581
180.43	6,954	8,898	180.95	7,499	12,656
180.44	6,964	8,968	180.96	7,510	12,731
180.45	6,974	9,037	180.97	7,520	12,806
180.46	6,985	9,107	180.98	7,531	12,881
180.47	6,995	9,177	180.99	7,542	12,957
180.48	7,006	9,247	181.00	7,552	13,032
180.49	7,017	9,317	181.01	7,563	13,108
180.50	7,027	9,387	181.02	7,574	13,183
180.51	7,037	9,458	181.03	7,585	13,259
180.52	7,048	9,528	181.04	7,596	13,335
180.53	7,059	9,599	181.05	7,607	13,411
180.54	7,069	9,669	181.06	7,618	13,487
180.55	7,080	9,740	181.07	7,629	13,563

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	7,640	13,640	181.60	8,216	17,762
181.09	7,652	13,716	181.61	8,227	17,844
181.10	7,663	13,793	181.62	8,238	17,927
181.11	7,674	13,869	181.63	8,249	18,009
181.12	7,685	13,946	181.64	8,260	18,092
181.13	7,696	14,023	181.65	8,271	18,174
181.14	7,707	14,100	181.66	8,282	18,257
181.15	7,718	14,177	181.67	8,293	18,340
181.16	7,729	14,254	181.68	8,304	18,423
181.17	7,740	14,332	181.69	8,315	18,506
181.18	7,751	14,409	181.70	8,326	18,589
181.19	7,762	14,487	181.71	8,337	18,673
181.20	7,773	14,565	181.72	8,348	18,756
181.21	7,784	14,642	181.73	8,359	18,840
181.22	7,795	14,720	181.74	8,370	18,923
181.23	7,806	14,798	181.75	8,382	19,007
181.24	7,817	14,876	181.76	8,393	19,091
181.25	7,829	14,955	181.77	8,404	19,175
181.26	7,840	15,033	181.78	8,415	19,259
181.27	7,851	15,111	181.79	8,426	19,343
181.28	7,862	15,190	181.80	8,437	19,428
181.29	7,873	15,269	181.81	8,448	19,512
181.30	7,884	15,347	181.82	8,459	19,596
181.31	7,895	15,426	181.83	8,470	19,681
181.32	7,906	15,505	181.84	8,481	19,766
181.33	7,917	15,584	181.85	8,492	19,851
181.34	7,928	15,664	181.86	8,503	19,936
181.35	7,939	15,743	181.87	8,514	20,021
181.36	7,950	15,822	181.88	8,525	20,106
181.37	7,961	15,902	181.89	8,536	20,191
181.38	7,972	15,982	181.90	8,547	20,277
181.39	7,983	16,061	181.91	8,558	20,362
181.40	7,994	16,141	181.92	8,570	20,448
181.41	8,005	16,221	181.93	8,581	20,534
181.42	8,017	16,301	181.94	8,592	20,620
181.43	8,028	16,382	181.95	8,603	20,705
181.44	8,039	16,462	181.96	8,614	20,792
181.45	8,050	16,542	181.97	8,625	20,878
181.46	8,061	16,623	181.98	8,636	20,964
181.47	8,072	16,704	181.99	8,647	21,050
181.48	8,083	16,784	182.00	8,658	21,137
181.49	8,094	16,865	182.01	8,670	21,224
181.50	8,105	16,946	182.02	8,681	21,310
181.51	8,116	17,027	182.03	8,693	21,397
181.52	8,127	17,109	182.04	8,705	21,484
181.53	8,138	17,190	182.05	8,716	21,571
181.54	8,149	17,271	182.06	8,728	21,659
181.55	8,160	17,353	182.07	8,739	21,746
181.56	8,171	17,435	182.08	8,751	21,833
181.57	8,182	17,516	182.09	8,763	21,921
181.58	8,193	17,598	182.10	8,774	22,009
181.59	8,205	17,680	182.11	8,786	22,096

Stage-Area-Storage for Pond B-17A: Basin #17A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	8,798	22,184
182.13	8,809	22,272
182.14	8,821	22,361
182.15	8,832	22,449
182.16	8,844	22,537
182.17	8,856	22,626
182.18	8,867	22,714
182.19	8,879	22,803
182.20	8,891	22,892
182.21	8,902	22,981
182.22	8,914	23,070
182.23	8,925	23,159
182.24	8,937	23,248
182.25	8,949	23,338
182.26	8,960	23,427
182.27	8,972	23,517
182.28	8,984	23,607
182.29	8,995	23,697
182.30	9,007	23,787
182.31	9,019	23,877
182.32	9,030	23,967
182.33	9,042	24,057
182.34	9,053	24,148
182.35	9,065	24,239
182.36	9,077	24,329
182.37	9,088	24,420
182.38	9,100	24,511
182.39	9,112	24,602
182.40	9,123	24,693
182.41	9,135	24,785
182.42	9,146	24,876
182.43	9,158	24,967
182.44	9,170	25,059
182.45	9,181	25,151
182.46	9,193	25,243
182.47	9,205	25,335
182.48	9,216	25,427
182.49	9,228	25,519
182.50	9,240	25,611
182.51	9,251	25,704
182.52	9,263	25,796
182.53	9,274	25,889
182.54	9,286	25,982
182.55	9,298	26,075
182.56	9,309	26,168
182.57	9,321	26,261
182.58	9,333	26,354
182.59	9,344	26,448
182.60	9,356	26,541
182.61	9,367	26,635
182.62	9,379	26,728
182.63	9,391	26,822
182.64	9,402	26,916
182.65	9,414	27,010
182.66	9,426	27,105
182.67	9,437	27,199
182.68	9,449	27,293
182.69	9,460	27,388
182.70	9,472	27,483
182.71	9,484	27,577
182.72	9,495	27,672
182.73	9,507	27,767
182.74	9,519	27,862
182.75	9,530	27,958
182.76	9,542	28,053
182.77	9,554	28,148
182.78	9,565	28,244
182.79	9,577	28,340
182.80	9,588	28,436
182.81	9,600	28,532
182.82	9,612	28,628
182.83	9,623	28,724
182.84	9,635	28,820
182.85	9,647	28,916
182.86	9,658	29,013
182.87	9,670	29,110
182.88	9,681	29,206
182.89	9,693	29,303
182.90	9,705	29,400
182.91	9,716	29,497
182.92	9,728	29,595
182.93	9,740	29,692
182.94	9,751	29,789
182.95	9,763	29,887
182.96	9,774	29,985
182.97	9,786	30,082
182.98	9,798	30,180
182.99	9,809	30,278
183.00	**9,821**	**30,377**

Summary for Pond B-17B: Basin #17B

Inflow Area = 1.385 ac, 37.11% Impervious, Inflow Depth = 3.97" for Future 10 yr event
Inflow = 7.26 cfs @ 12.09 hrs, Volume= 0.458 af
Outflow = 0.19 cfs @ 15.34 hrs, Volume= 0.353 af, Atten= 97%, Lag= 195.2 min
Primary = 0.19 cfs @ 15.34 hrs, Volume= 0.353 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.78' @ 15.34 hrs Surf.Area= 8,991 sf Storage= 14,048 cf

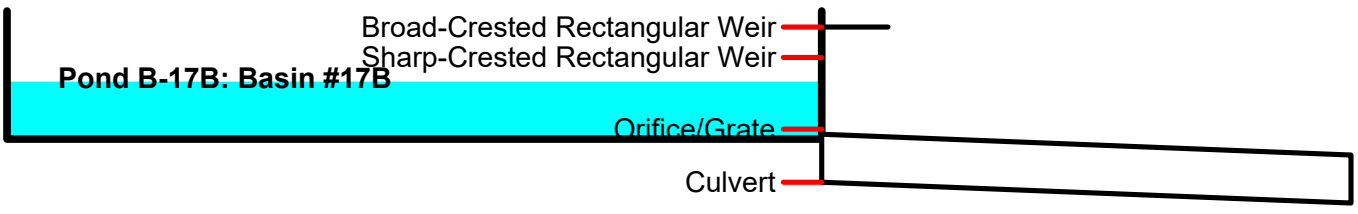
Plug-Flow detention time= 746.7 min calculated for 0.353 af (77% of inflow)
Center-of-Mass det. time= 658.9 min (1,444.3 - 785.4)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	37,242 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

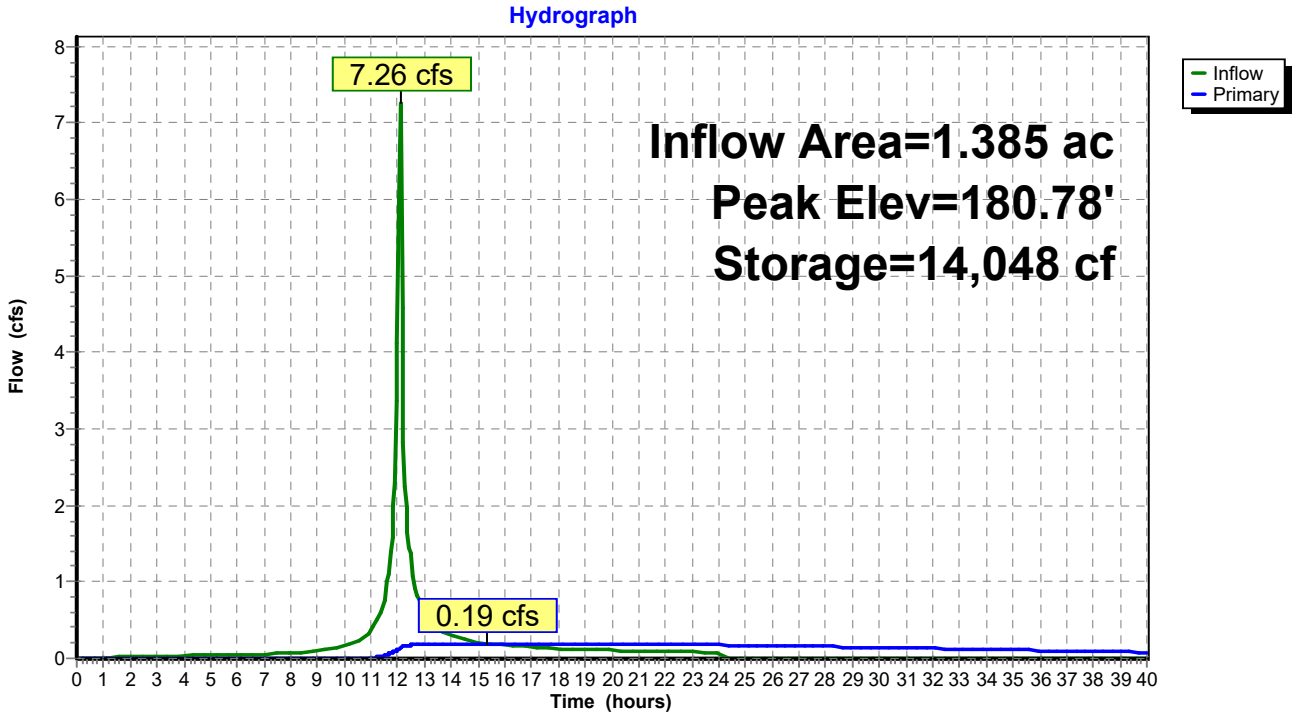
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	6,855	0	0
180.00	8,033	7,444	7,444
181.00	9,268	8,651	16,095
182.00	10,560	9,914	26,009
183.00	11,907	11,234	37,242

Device	Routing	Invert	Outlet Devices
#1	Primary	177.65'	**18.0" Round Culvert** L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 177.65' / 177.00' S= 0.0163 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.31'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.55'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	182.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.19 cfs @ 15.34 hrs HW=180.78' (Free Discharge)
- **1=Culvert** (Passes 0.19 cfs of 13.12 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.62 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-17B: Basin #17B



Hydrograph for Pond B-17B: Basin #17B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	0	179.00	0.00
0.90	0.00	2	179.00	0.00
1.00	0.01	3	179.00	0.00
1.10	0.01	6	179.00	0.00
1.20	0.01	8	179.00	0.00
1.30	0.01	12	179.00	0.00
1.40	0.01	16	179.00	0.00
1.50	0.01	20	179.00	0.00
1.60	0.01	25	179.00	0.00
1.70	0.02	30	179.00	0.00
1.80	0.02	36	179.01	0.00
1.90	0.02	42	179.01	0.00
2.00	0.02	49	179.01	0.00
2.10	0.02	56	179.01	0.00
2.20	0.02	63	179.01	0.00
2.30	0.02	70	179.01	0.00
2.40	0.02	78	179.01	0.00
2.50	0.02	87	179.01	0.00
2.60	0.02	95	179.01	0.00
2.70	0.02	104	179.02	0.00
2.80	0.03	113	179.02	0.00
2.90	0.03	122	179.02	0.00
3.00	0.03	132	179.02	0.00
3.10	0.03	142	179.02	0.00
3.20	0.03	152	179.02	0.00
3.30	0.03	162	179.02	0.00
3.40	0.03	173	179.03	0.00
3.50	0.03	184	179.03	0.00
3.60	0.03	195	179.03	0.00
3.70	0.03	206	179.03	0.00
3.80	0.03	218	179.03	0.00
3.90	0.03	230	179.03	0.00
4.00	0.03	242	179.04	0.00
4.10	0.03	254	179.04	0.00
4.20	0.03	266	179.04	0.00
4.30	0.04	279	179.04	0.00
4.40	0.04	292	179.04	0.00
4.50	0.04	304	179.04	0.00
4.60	0.04	318	179.05	0.00
4.70	0.04	331	179.05	0.00
4.80	0.04	344	179.05	0.00
4.90	0.04	358	179.05	0.00
5.00	0.04	372	179.05	0.00
5.10	0.04	386	179.06	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	400	179.06	0.00
5.30	0.04	414	179.06	0.00
5.40	0.04	429	179.06	0.00
5.50	0.04	444	179.06	0.00
5.60	0.04	459	179.07	0.00
5.70	0.04	474	179.07	0.00
5.80	0.04	489	179.07	0.00
5.90	0.04	504	179.07	0.00
6.00	0.04	520	179.08	0.00
6.10	0.04	535	179.08	0.00
6.20	0.05	552	179.08	0.00
6.30	0.05	568	179.08	0.00
6.40	0.05	585	179.08	0.00
6.50	0.05	603	179.09	0.00
6.60	0.05	621	179.09	0.00
6.70	0.05	640	179.09	0.00
6.80	0.05	658	179.10	0.00
6.90	0.05	678	179.10	0.00
7.00	0.06	698	179.10	0.00
7.10	0.06	718	179.10	0.00
7.20	0.06	739	179.11	0.00
7.30	0.06	760	179.11	0.00
7.40	0.06	781	179.11	0.00
7.50	0.06	804	179.12	0.00
7.60	0.06	826	179.12	0.00
7.70	0.06	849	179.12	0.00
7.80	0.07	873	179.13	0.00
7.90	0.07	896	179.13	0.00
8.00	0.07	921	179.13	0.00
8.10	0.07	946	179.14	0.00
8.20	0.07	971	179.14	0.00
8.30	0.07	998	179.14	0.00
8.40	0.08	1,025	179.15	0.00
8.50	0.08	1,053	179.15	0.00
8.60	0.08	1,082	179.16	0.00
8.70	0.08	1,111	179.16	0.00
8.80	0.09	1,142	179.16	0.00
8.90	0.09	1,174	179.17	0.00
9.00	0.09	1,206	179.17	0.00
9.10	0.10	1,240	179.18	0.00
9.20	0.10	1,277	179.18	0.00
9.30	0.11	1,316	179.19	0.00
9.40	0.12	1,357	179.19	0.00
9.50	0.12	1,401	179.20	0.00
9.60	0.13	1,447	179.21	0.00
9.70	0.14	1,496	179.21	0.00
9.80	0.15	1,548	179.22	0.00
9.90	0.16	1,602	179.23	0.00
10.00	0.16	1,660	179.24	0.00
10.10	0.17	1,720	179.25	0.00
10.20	0.18	1,784	179.25	0.00
10.30	0.19	1,850	179.26	0.00

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.20	1,920	179.27	0.00
10.50	0.21	1,993	179.28	0.00
10.60	0.23	2,073	179.29	0.00
10.70	0.26	2,162	179.31	0.00
10.80	0.29	2,262	179.32	0.00
10.90	0.32	2,373	179.34	0.00
11.00	0.35	2,494	179.35	0.00
11.10	0.41	2,630	179.37	0.01
11.20	0.47	2,785	179.39	0.01
11.30	0.53	2,959	179.42	0.02
11.40	0.59	3,153	179.44	0.03
11.50	0.65	3,365	179.47	0.04
11.60	1.02	3,655	179.51	0.05
11.70	1.12	4,021	179.56	0.06
11.80	1.58	4,489	179.62	0.07
11.90	2.29	5,164	179.71	0.09
12.00	4.13	6,310	179.86	0.11
12.10	**7.19**	8,362	180.11	0.14
12.20	2.83	10,037	180.32	0.16
12.30	1.96	10,813	180.41	0.16
12.40	1.45	11,355	180.47	0.17
12.50	1.36	11,797	180.52	0.17
12.60	0.90	12,133	180.56	0.18
12.70	0.84	12,380	180.59	0.18
12.80	0.77	12,603	180.61	0.18
12.90	0.69	12,799	180.64	0.18
13.00	0.62	12,969	180.65	0.18
13.10	0.55	13,112	180.67	0.18
13.20	0.51	13,236	180.68	0.19
13.30	0.47	13,345	180.70	0.19
13.40	0.43	13,440	180.71	0.19
13.50	0.39	13,520	180.72	0.19
13.60	0.35	13,586	180.72	0.19
13.70	0.34	13,643	180.73	0.19
13.80	0.33	13,696	180.74	0.19
13.90	0.32	13,746	180.74	0.19
14.00	0.31	13,792	180.75	0.19
14.10	0.30	13,834	180.75	0.19
14.20	0.29	13,872	180.76	0.19
14.30	0.28	13,907	180.76	0.19
14.40	0.27	13,937	180.76	0.19
14.50	0.26	13,964	180.77	0.19
14.60	0.25	13,987	180.77	0.19
14.70	0.24	14,006	180.77	0.19
14.80	0.23	14,022	180.77	0.19
14.90	0.22	14,034	180.77	0.19
15.00	0.21	14,042	180.78	0.19
15.10	0.20	14,046	180.78	0.19
15.20	0.20	14,048	180.78	0.19
15.30	0.19	**14,048**	**180.78**	**0.19**
15.40	0.19	**14,048**	**180.78**	**0.19**
15.50	0.19	14,047	180.78	0.19

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	14,045	180.78	0.19
15.70	0.18	14,042	180.78	0.19
15.80	0.18	14,038	180.77	0.19
15.90	0.18	14,033	180.77	0.19
16.00	0.17	14,027	180.77	0.19
16.10	0.17	14,021	180.77	0.19
16.20	0.17	14,013	180.77	0.19
16.30	0.17	14,004	180.77	0.19
16.40	0.16	13,994	180.77	0.19
16.50	0.16	13,984	180.77	0.19
16.60	0.16	13,972	180.77	0.19
16.70	0.15	13,959	180.77	0.19
16.80	0.15	13,946	180.76	0.19
16.90	0.15	13,931	180.76	0.19
17.00	0.15	13,915	180.76	0.19
17.10	0.14	13,899	180.76	0.19
17.20	0.14	13,882	180.76	0.19
17.30	0.14	13,863	180.76	0.19
17.40	0.14	13,844	180.75	0.19
17.50	0.13	13,824	180.75	0.19
17.60	0.13	13,802	180.75	0.19
17.70	0.13	13,780	180.75	0.19
17.80	0.12	13,757	180.74	0.19
17.90	0.12	13,733	180.74	0.19
18.00	0.12	13,708	180.74	0.19
18.10	0.12	13,682	180.74	0.19
18.20	0.11	13,656	180.73	0.19
18.30	0.11	13,629	180.73	0.19
18.40	0.11	13,602	180.73	0.19
18.50	0.11	13,575	180.72	0.19
18.60	0.11	13,548	180.72	0.19
18.70	0.11	13,521	180.72	0.19
18.80	0.11	13,493	180.71	0.19
18.90	0.11	13,466	180.71	0.19
19.00	0.11	13,438	180.71	0.19
19.10	0.11	13,410	180.70	0.19
19.20	0.11	13,382	180.70	0.19
19.30	0.11	13,353	180.70	0.19
19.40	0.11	13,325	180.69	0.19
19.50	0.11	13,296	180.69	0.19
19.60	0.11	13,267	180.69	0.19
19.70	0.10	13,238	180.69	0.19
19.80	0.10	13,209	180.68	0.18
19.90	0.10	13,180	180.68	0.18
20.00	0.10	13,151	180.68	0.18
20.10	0.10	13,121	180.67	0.18
20.20	0.10	13,091	180.67	0.18
20.30	0.10	13,061	180.67	0.18
20.40	0.10	13,031	180.66	0.18
20.50	0.10	13,001	180.66	0.18
20.60	0.10	12,971	180.65	0.18
20.70	0.10	12,940	180.65	0.18

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	12,910	180.65	0.18
20.90	0.10	12,879	180.64	0.18
21.00	0.10	12,848	180.64	0.18
21.10	0.09	12,816	180.64	0.18
21.20	0.09	12,785	180.63	0.18
21.30	0.09	12,754	180.63	0.18
21.40	0.09	12,722	180.63	0.18
21.50	0.09	12,690	180.62	0.18
21.60	0.09	12,658	180.62	0.18
21.70	0.09	12,626	180.62	0.18
21.80	0.09	12,594	180.61	0.18
21.90	0.09	12,561	180.61	0.18
22.00	0.09	12,529	180.60	0.18
22.10	0.09	12,496	180.60	0.18
22.20	0.09	12,463	180.60	0.18
22.30	0.09	12,430	180.59	0.18
22.40	0.09	12,397	180.59	0.18
22.50	0.08	12,364	180.59	0.18
22.60	0.08	12,330	180.58	0.18
22.70	0.08	12,297	180.58	0.18
22.80	0.08	12,263	180.57	0.18
22.90	0.08	12,229	180.57	0.18
23.00	0.08	12,195	180.57	0.18
23.10	0.08	12,161	180.56	0.18
23.20	0.08	12,126	180.56	0.18
23.30	0.08	12,092	180.55	0.18
23.40	0.08	12,057	180.55	0.17
23.50	0.08	12,022	180.55	0.17
23.60	0.08	11,987	180.54	0.17
23.70	0.08	11,952	180.54	0.17
23.80	0.08	11,917	180.53	0.17
23.90	0.08	11,882	180.53	0.17
24.00	0.09	11,850	180.53	0.17
24.10	0.00	11,803	180.52	0.17
24.20	0.00	11,741	180.51	0.17
24.30	0.00	11,679	180.51	0.17
24.40	0.00	11,617	180.50	0.17
24.50	0.00	11,556	180.49	0.17
24.60	0.00	11,494	180.49	0.17
24.70	0.00	11,433	180.48	0.17
24.80	0.00	11,373	180.47	0.17
24.90	0.00	11,312	180.46	0.17
25.00	0.00	11,251	180.46	0.17
25.10	0.00	11,191	180.45	0.17
25.20	0.00	11,131	180.44	0.17
25.30	0.00	11,071	180.44	0.17
25.40	0.00	11,012	180.43	0.17
25.50	0.00	10,952	180.42	0.16
25.60	0.00	10,893	180.42	0.16
25.70	0.00	10,834	180.41	0.16
25.80	0.00	10,775	180.40	0.16
25.90	0.00	10,716	180.40	0.16

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,658	180.39	0.16
26.10	0.00	10,600	180.38	0.16
26.20	0.00	10,542	180.37	0.16
26.30	0.00	10,484	180.37	0.16
26.40	0.00	10,426	180.36	0.16
26.50	0.00	10,369	180.35	0.16
26.60	0.00	10,312	180.35	0.16
26.70	0.00	10,255	180.34	0.16
26.80	0.00	10,198	180.33	0.16
26.90	0.00	10,141	180.33	0.16
27.00	0.00	10,085	180.32	0.16
27.10	0.00	10,029	180.31	0.16
27.20	0.00	9,973	180.31	0.16
27.30	0.00	9,917	180.30	0.15
27.40	0.00	9,862	180.29	0.15
27.50	0.00	9,806	180.29	0.15
27.60	0.00	9,751	180.28	0.15
27.70	0.00	9,696	180.27	0.15
27.80	0.00	9,642	180.27	0.15
27.90	0.00	9,587	180.26	0.15
28.00	0.00	9,533	180.25	0.15
28.10	0.00	9,479	180.25	0.15
28.20	0.00	9,425	180.24	0.15
28.30	0.00	9,371	180.24	0.15
28.40	0.00	9,318	180.23	0.15
28.50	0.00	9,265	180.22	0.15
28.60	0.00	9,211	180.22	0.15
28.70	0.00	9,159	180.21	0.15
28.80	0.00	9,106	180.20	0.15
28.90	0.00	9,054	180.20	0.15
29.00	0.00	9,001	180.19	0.14
29.10	0.00	8,950	180.18	0.14
29.20	0.00	8,898	180.18	0.14
29.30	0.00	8,846	180.17	0.14
29.40	0.00	8,795	180.17	0.14
29.50	0.00	8,744	180.16	0.14
29.60	0.00	8,693	180.15	0.14
29.70	0.00	8,642	180.15	0.14
29.80	0.00	8,592	180.14	0.14
29.90	0.00	8,541	180.14	0.14
30.00	0.00	8,491	180.13	0.14
30.10	0.00	8,441	180.12	0.14
30.20	0.00	8,392	180.12	0.14
30.30	0.00	8,342	180.11	0.14
30.40	0.00	8,293	180.10	0.14
30.50	0.00	8,244	180.10	0.14
30.60	0.00	8,195	180.09	0.14
30.70	0.00	8,147	180.09	0.13
30.80	0.00	8,098	180.08	0.13
30.90	0.00	8,050	180.08	0.13
31.00	0.00	8,002	180.07	0.13
31.10	0.00	7,955	180.06	0.13

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,907	180.06	0.13
31.30	0.00	7,860	180.05	0.13
31.40	0.00	7,813	180.05	0.13
31.50	0.00	7,766	180.04	0.13
31.60	0.00	7,719	180.03	0.13
31.70	0.00	7,673	180.03	0.13
31.80	0.00	7,627	180.02	0.13
31.90	0.00	7,581	180.02	0.13
32.00	0.00	7,535	180.01	0.13
32.10	0.00	7,489	180.01	0.13
32.20	0.00	7,444	180.00	0.13
32.30	0.00	7,399	179.99	0.13
32.40	0.00	7,354	179.99	0.12
32.50	0.00	7,309	179.98	0.12
32.60	0.00	7,265	179.98	0.12
32.70	0.00	7,221	179.97	0.12
32.80	0.00	7,177	179.97	0.12
32.90	0.00	7,133	179.96	0.12
33.00	0.00	7,089	179.96	0.12
33.10	0.00	7,046	179.95	0.12
33.20	0.00	7,003	179.94	0.12
33.30	0.00	6,960	179.94	0.12
33.40	0.00	6,917	179.93	0.12
33.50	0.00	6,875	179.93	0.12
33.60	0.00	6,832	179.92	0.12
33.70	0.00	6,790	179.92	0.12
33.80	0.00	6,749	179.91	0.12
33.90	0.00	6,707	179.91	0.12
34.00	0.00	6,666	179.90	0.11
34.10	0.00	6,624	179.90	0.11
34.20	0.00	6,583	179.89	0.11
34.30	0.00	6,543	179.89	0.11
34.40	0.00	6,502	179.88	0.11
34.50	0.00	6,462	179.88	0.11
34.60	0.00	6,422	179.87	0.11
34.70	0.00	6,382	179.87	0.11
34.80	0.00	6,342	179.86	0.11
34.90	0.00	6,303	179.86	0.11
35.00	0.00	6,264	179.85	0.11
35.10	0.00	6,225	179.85	0.11
35.20	0.00	6,186	179.84	0.11
35.30	0.00	6,148	179.84	0.11
35.40	0.00	6,109	179.83	0.11
35.50	0.00	6,071	179.83	0.11
35.60	0.00	6,033	179.82	0.10
35.70	0.00	5,996	179.82	0.10
35.80	0.00	5,958	179.81	0.10
35.90	0.00	5,921	179.81	0.10
36.00	0.00	5,884	179.80	0.10
36.10	0.00	5,848	179.80	0.10
36.20	0.00	5,811	179.79	0.10
36.30	0.00	5,775	179.79	0.10

Hydrograph for Pond B-17B: Basin #17B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,739	179.78	0.10
36.50	0.00	5,703	179.78	0.10
36.60	0.00	5,667	179.78	0.10
36.70	0.00	5,632	179.77	0.10
36.80	0.00	5,597	179.77	0.10
36.90	0.00	5,562	179.76	0.10
37.00	0.00	5,527	179.76	0.10
37.10	0.00	5,493	179.75	0.10
37.20	0.00	5,458	179.75	0.09
37.30	0.00	5,424	179.74	0.09
37.40	0.00	5,391	179.74	0.09
37.50	0.00	5,357	179.74	0.09
37.60	0.00	5,324	179.73	0.09
37.70	0.00	5,291	179.73	0.09
37.80	0.00	5,258	179.72	0.09
37.90	0.00	5,225	179.72	0.09
38.00	0.00	5,193	179.71	0.09
38.10	0.00	5,160	179.71	0.09
38.20	0.00	5,128	179.71	0.09
38.30	0.00	5,097	179.70	0.09
38.40	0.00	5,065	179.70	0.09
38.50	0.00	5,034	179.69	0.09
38.60	0.00	5,003	179.69	0.09
38.70	0.00	4,972	179.68	0.09
38.80	0.00	4,941	179.68	0.08
38.90	0.00	4,911	179.68	0.08
39.00	0.00	4,881	179.67	0.08
39.10	0.00	4,851	179.67	0.08
39.20	0.00	4,821	179.67	0.08
39.30	0.00	4,792	179.66	0.08
39.40	0.00	4,762	179.66	0.08
39.50	0.00	4,733	179.65	0.08
39.60	0.00	4,704	179.65	0.08
39.70	0.00	4,676	179.65	0.08
39.80	0.00	4,648	179.64	0.08
39.90	0.00	4,619	179.64	0.08
40.00	0.00	4,592	179.64	0.08

Stage-Discharge for Pond B-17B: Basin #17B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.05	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.06	180.09	0.13	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.07	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.18
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.14	180.71	0.19
179.16	0.00	179.68	0.08	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.09	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.15	180.82	0.19
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.10	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.00	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.11	180.42	0.16	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.01	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.20
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.02	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.21
179.46	0.03	179.98	0.12	180.50	0.17	181.02	0.21
179.47	0.04	179.99	0.12	180.51	0.17	181.03	0.21
179.48	0.04	180.00	0.13	180.52	0.17	181.04	0.21
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.21
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.21
179.51	0.05	180.03	0.13	180.55	0.17	181.07	0.21

Stage-Discharge for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
181.08	0.21	181.60	0.39	182.12	5.74	182.64	20.54
181.09	0.21	181.61	0.43	182.13	5.88	182.65	21.40
181.10	0.21	181.62	0.49	182.14	6.02	182.66	22.29
181.11	0.21	181.63	0.54	182.15	6.17	182.67	23.20
181.12	0.21	181.64	0.60	182.16	6.31	182.68	24.13
181.13	0.22	181.65	0.66	182.17	6.46	182.69	25.09
181.14	0.22	181.66	0.72	182.18	6.61	182.70	26.07
181.15	0.22	181.67	0.79	182.19	6.76	182.71	27.10
181.16	0.22	181.68	0.86	182.20	6.91	182.72	28.17
181.17	0.22	181.69	0.93	182.21	7.06	182.73	29.26
181.18	0.22	181.70	1.00	182.22	7.21	182.74	30.37
181.19	0.22	181.71	1.08	182.23	7.36	182.75	31.52
181.20	0.22	181.72	1.16	182.24	7.51	182.76	32.68
181.21	0.22	181.73	1.24	182.25	7.67	182.77	33.88
181.22	0.22	181.74	1.32	182.26	7.82	182.78	35.10
181.23	0.22	181.75	1.41	182.27	7.98	182.79	36.34
181.24	0.22	181.76	1.50	182.28	8.14	182.80	37.61
181.25	0.22	181.77	1.59	182.29	8.30	182.81	38.90
181.26	0.22	181.78	1.68	182.30	8.46	182.82	40.22
181.27	0.22	181.79	1.77	182.31	8.62	182.83	41.44
181.28	0.22	181.80	1.87	182.32	8.78	182.84	42.63
181.29	0.22	181.81	1.97	182.33	8.94	182.85	43.85
181.30	0.23	181.82	2.06	182.34	9.10	182.86	45.08
181.31	0.23	181.83	2.17	182.35	9.27	182.87	46.35
181.32	0.23	181.84	2.27	182.36	9.43	182.88	47.63
181.33	0.23	181.85	2.37	182.37	9.60	182.89	48.94
181.34	0.23	181.86	2.48	182.38	9.76	182.90	50.28
181.35	0.23	181.87	2.59	182.39	9.93	182.91	51.67
181.36	0.23	181.88	2.70	182.40	10.10	182.92	53.08
181.37	0.23	181.89	2.81	182.41	10.27	182.93	54.52
181.38	0.23	181.90	2.92	182.42	10.44	182.94	55.98
181.39	0.23	181.91	3.03	182.43	10.61	182.95	57.47
181.40	0.23	181.92	3.15	182.44	10.78	182.96	58.99
181.41	0.23	181.93	3.27	182.45	10.95	182.97	60.53
181.42	0.23	181.94	3.38	182.46	11.12	182.98	62.10
181.43	0.23	181.95	3.50	182.47	11.30	182.99	63.69
181.44	0.23	181.96	3.63	182.48	11.47	183.00	**65.31**
181.45	0.23	181.97	3.75	182.49	11.65		
181.46	0.23	181.98	3.87	182.50	11.82		
181.47	0.24	181.99	4.00	182.51	12.12		
181.48	0.24	182.00	4.12	182.52	12.51		
181.49	0.24	182.01	4.25	182.53	12.97		
181.50	0.24	182.02	4.38	182.54	13.47		
181.51	0.24	182.03	4.51	182.55	14.03		
181.52	0.24	182.04	4.64	182.56	14.62		
181.53	0.24	182.05	4.78	182.57	15.25		
181.54	0.24	182.06	4.91	182.58	15.92		
181.55	0.24	182.07	5.04	182.59	16.62		
181.56	0.25	182.08	5.18	182.60	17.34		
181.57	0.28	182.09	5.32	182.61	18.10		
181.58	0.31	182.10	5.46	182.62	18.89		
181.59	0.35	182.11	5.60	182.63	19.70		

Stage-Area-Storage for Pond B-17B: Basin #17B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	6,855	0	179.52	7,468	3,724
179.01	6,867	69	179.53	7,479	3,799
179.02	6,879	137	179.54	7,491	3,873
179.03	6,890	206	179.55	7,503	3,948
179.04	6,902	275	179.56	7,515	4,024
179.05	6,914	344	179.57	7,526	4,099
179.06	6,926	413	179.58	7,538	4,174
179.07	6,937	483	179.59	7,550	4,249
179.08	6,949	552	179.60	7,562	4,325
179.09	6,961	622	179.61	7,574	4,401
179.10	6,973	691	179.62	7,585	4,477
179.11	6,985	761	179.63	7,597	4,552
179.12	6,996	831	179.64	7,609	4,628
179.13	7,008	901	179.65	7,621	4,705
179.14	7,020	971	179.66	7,632	4,781
179.15	7,032	1,042	179.67	7,644	4,857
179.16	7,043	1,112	179.68	7,656	4,934
179.17	7,055	1,182	179.69	7,668	5,010
179.18	7,067	1,253	179.70	7,680	5,087
179.19	7,079	1,324	179.71	7,691	5,164
179.20	7,091	1,395	179.72	7,703	5,241
179.21	7,102	1,466	179.73	7,715	5,318
179.22	7,114	1,537	179.74	7,727	5,395
179.23	7,126	1,608	179.75	7,739	5,473
179.24	7,138	1,679	179.76	7,750	5,550
179.25	7,150	1,751	179.77	7,762	5,628
179.26	7,161	1,822	179.78	7,774	5,705
179.27	7,173	1,894	179.79	7,786	5,783
179.28	7,185	1,966	179.80	7,797	5,861
179.29	7,197	2,037	179.81	7,809	5,939
179.30	7,208	2,110	179.82	7,821	6,017
179.31	7,220	2,182	179.83	7,833	6,095
179.32	7,232	2,254	179.84	7,845	6,174
179.33	7,244	2,326	179.85	7,856	6,252
179.34	7,256	2,399	179.86	7,868	6,331
179.35	7,267	2,471	179.87	7,880	6,410
179.36	7,279	2,544	179.88	7,892	6,489
179.37	7,291	2,617	179.89	7,903	6,567
179.38	7,303	2,690	179.90	7,915	6,647
179.39	7,314	2,763	179.91	7,927	6,726
179.40	7,326	2,836	179.92	7,939	6,805
179.41	7,338	2,910	179.93	7,951	6,885
179.42	7,350	2,983	179.94	7,962	6,964
179.43	7,362	3,057	179.95	7,974	7,044
179.44	7,373	3,130	179.96	7,986	7,124
179.45	7,385	3,204	179.97	7,998	7,204
179.46	7,397	3,278	179.98	8,009	7,284
179.47	7,409	3,352	179.99	8,021	7,364
179.48	7,420	3,426	180.00	8,033	7,444
179.49	7,432	3,500	180.01	8,045	7,524
179.50	7,444	3,575	180.02	8,058	7,605
179.51	7,456	3,649	180.03	8,070	7,686

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	8,082	7,766	180.56	8,725	12,136
180.05	8,095	7,847	180.57	8,737	12,223
180.06	8,107	7,928	180.58	8,749	12,311
180.07	8,119	8,009	180.59	8,762	12,398
180.08	8,132	8,091	180.60	8,774	12,486
180.09	8,144	8,172	180.61	8,786	12,574
180.10	8,156	8,253	180.62	8,799	12,662
180.11	8,169	8,335	180.63	8,811	12,750
180.12	8,181	8,417	180.64	8,823	12,838
180.13	8,194	8,499	180.65	8,836	12,926
180.14	8,206	8,581	180.66	8,848	13,015
180.15	8,218	8,663	180.67	8,860	13,103
180.16	8,231	8,745	180.68	8,873	13,192
180.17	8,243	8,827	180.69	8,885	13,281
180.18	8,255	8,910	180.70	8,897	13,370
180.19	8,268	8,993	180.71	8,910	13,459
180.20	8,280	9,075	180.72	8,922	13,548
180.21	8,292	9,158	180.73	8,935	13,637
180.22	8,305	9,241	180.74	8,947	13,727
180.23	8,317	9,324	180.75	8,959	13,816
180.24	8,329	9,407	180.76	8,972	13,906
180.25	8,342	9,491	180.77	8,984	13,996
180.26	8,354	9,574	180.78	8,996	14,085
180.27	8,366	9,658	180.79	9,009	14,175
180.28	8,379	9,742	180.80	9,021	14,266
180.29	8,391	9,826	180.81	9,033	14,356
180.30	8,404	9,909	180.82	9,046	14,446
180.31	8,416	9,994	180.83	9,058	14,537
180.32	8,428	10,078	180.84	9,070	14,627
180.33	8,441	10,162	180.85	9,083	14,718
180.34	8,453	10,247	180.86	9,095	14,809
180.35	8,465	10,331	180.87	9,107	14,900
180.36	8,478	10,416	180.88	9,120	14,991
180.37	8,490	10,501	180.89	9,132	15,082
180.38	8,502	10,586	180.90	9,145	15,174
180.39	8,515	10,671	180.91	9,157	15,265
180.40	8,527	10,756	180.92	9,169	15,357
180.41	8,539	10,841	180.93	9,182	15,449
180.42	8,552	10,927	180.94	9,194	15,541
180.43	8,564	11,012	180.95	9,206	15,633
180.44	8,576	11,098	180.96	9,219	15,725
180.45	8,589	11,184	180.97	9,231	15,817
180.46	8,601	11,270	180.98	9,243	15,909
180.47	8,613	11,356	180.99	9,256	16,002
180.48	8,626	11,442	181.00	9,268	16,095
180.49	8,638	11,528	181.01	9,281	16,187
180.50	8,651	11,615	181.02	9,294	16,280
180.51	8,663	11,701	181.03	9,307	16,373
180.52	8,675	11,788	181.04	9,320	16,466
180.53	8,688	11,875	181.05	9,333	16,560
180.54	8,700	11,962	181.06	9,346	16,653
180.55	8,712	12,049	181.07	9,358	16,746

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	9,371	16,840	181.60	10,043	21,888
181.09	9,384	16,934	181.61	10,056	21,988
181.10	9,397	17,028	181.62	10,069	22,089
181.11	9,410	17,122	181.63	10,082	22,190
181.12	9,423	17,216	181.64	10,095	22,291
181.13	9,436	17,310	181.65	10,108	22,392
181.14	9,449	17,405	181.66	10,121	22,493
181.15	9,462	17,499	181.67	10,134	22,594
181.16	9,475	17,594	181.68	10,147	22,695
181.17	9,488	17,689	181.69	10,159	22,797
181.18	9,501	17,784	181.70	10,172	22,899
181.19	9,513	17,879	181.71	10,185	23,000
181.20	9,526	17,974	181.72	10,198	23,102
181.21	9,539	18,069	181.73	10,211	23,204
181.22	9,552	18,165	181.74	10,224	23,307
181.23	9,565	18,260	181.75	10,237	23,409
181.24	9,578	18,356	181.76	10,250	23,511
181.25	9,591	18,452	181.77	10,263	23,614
181.26	9,604	18,548	181.78	10,276	23,717
181.27	9,617	18,644	181.79	10,289	23,819
181.28	9,630	18,740	181.80	10,302	23,922
181.29	9,643	18,837	181.81	10,315	24,025
181.30	9,656	18,933	181.82	10,327	24,129
181.31	9,669	19,030	181.83	10,340	24,232
181.32	9,681	19,126	181.84	10,353	24,335
181.33	9,694	19,223	181.85	10,366	24,439
181.34	9,707	19,320	181.86	10,379	24,543
181.35	9,720	19,417	181.87	10,392	24,647
181.36	9,733	19,515	181.88	10,405	24,751
181.37	9,746	19,612	181.89	10,418	24,855
181.38	9,759	19,710	181.90	10,431	24,959
181.39	9,772	19,807	181.91	10,444	25,063
181.40	9,785	19,905	181.92	10,457	25,168
181.41	9,798	20,003	181.93	10,470	25,272
181.42	9,811	20,101	181.94	10,482	25,377
181.43	9,824	20,199	181.95	10,495	25,482
181.44	9,836	20,297	181.96	10,508	25,587
181.45	9,849	20,396	181.97	10,521	25,692
181.46	9,862	20,494	181.98	10,534	25,798
181.47	9,875	20,593	181.99	10,547	25,903
181.48	9,888	20,692	182.00	10,560	26,009
181.49	9,901	20,791	182.01	10,573	26,114
181.50	9,914	20,890	182.02	10,587	26,220
181.51	9,927	20,989	182.03	10,600	26,326
181.52	9,940	21,089	182.04	10,614	26,432
181.53	9,953	21,188	182.05	10,627	26,538
181.54	9,966	21,288	182.06	10,641	26,645
181.55	9,979	21,387	182.07	10,654	26,751
181.56	9,992	21,487	182.08	10,668	26,858
181.57	10,004	21,587	182.09	10,681	26,964
181.58	10,017	21,687	182.10	10,695	27,071
181.59	10,030	21,787	182.11	10,708	27,178

Stage-Area-Storage for Pond B-17B: Basin #17B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
182.12	10,722	27,285
182.13	10,735	27,393
182.14	10,749	27,500
182.15	10,762	27,608
182.16	10,776	27,715
182.17	10,789	27,823
182.18	10,802	27,931
182.19	10,816	28,039
182.20	10,829	28,147
182.21	10,843	28,256
182.22	10,856	28,364
182.23	10,870	28,473
182.24	10,883	28,582
182.25	10,897	28,691
182.26	10,910	28,800
182.27	10,924	28,909
182.28	10,937	29,018
182.29	10,951	29,128
182.30	10,964	29,237
182.31	10,978	29,347
182.32	10,991	29,457
182.33	11,005	29,567
182.34	11,018	29,677
182.35	11,031	29,787
182.36	11,045	29,897
182.37	11,058	30,008
182.38	11,072	30,119
182.39	11,085	30,229
182.40	11,099	30,340
182.41	11,112	30,451
182.42	11,126	30,563
182.43	11,139	30,674
182.44	11,153	30,785
182.45	11,166	30,897
182.46	11,180	31,009
182.47	11,193	31,120
182.48	11,207	31,232
182.49	11,220	31,345
182.50	11,234	31,457
182.51	11,247	31,569
182.52	11,260	31,682
182.53	11,274	31,794
182.54	11,287	31,907
182.55	11,301	32,020
182.56	11,314	32,133
182.57	11,328	32,247
182.58	11,341	32,360
182.59	11,355	32,473
182.60	11,368	32,587
182.61	11,382	32,701
182.62	11,395	32,815
182.63	11,409	32,929
182.64	11,422	33,043
182.65	11,436	33,157
182.66	11,449	33,271
182.67	11,462	33,386
182.68	11,476	33,501
182.69	11,489	33,616
182.70	11,503	33,731
182.71	11,516	33,846
182.72	11,530	33,961
182.73	11,543	34,076
182.74	11,557	34,192
182.75	11,570	34,307
182.76	11,584	34,423
182.77	11,597	34,539
182.78	11,611	34,655
182.79	11,624	34,771
182.80	11,638	34,888
182.81	11,651	35,004
182.82	11,665	35,121
182.83	11,678	35,237
182.84	11,691	35,354
182.85	11,705	35,471
182.86	11,718	35,588
182.87	11,732	35,705
182.88	11,745	35,823
182.89	11,759	35,940
182.90	11,772	36,058
182.91	11,786	36,176
182.92	11,799	36,294
182.93	11,813	36,412
182.94	11,826	36,530
182.95	11,840	36,648
182.96	11,853	36,767
182.97	11,867	36,885
182.98	11,880	37,004
182.99	11,894	37,123
183.00	**11,907**	**37,242**

Summary for Pond B-2: Basin #2

Inflow Area = 1.894 ac, 38.23% Impervious, Inflow Depth = 4.00" for Future 10 yr event
Inflow = 6.97 cfs @ 12.10 hrs, Volume= 0.631 af
Outflow = 3.15 cfs @ 12.39 hrs, Volume= 0.561 af, Atten= 55%, Lag= 17.0 min
Primary = 3.15 cfs @ 12.39 hrs, Volume= 0.561 af
Routed to Pond B-1 : Basin #1

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 210.20' @ 12.39 hrs Surf.Area= 8,625 sf Storage= 9,694 cf

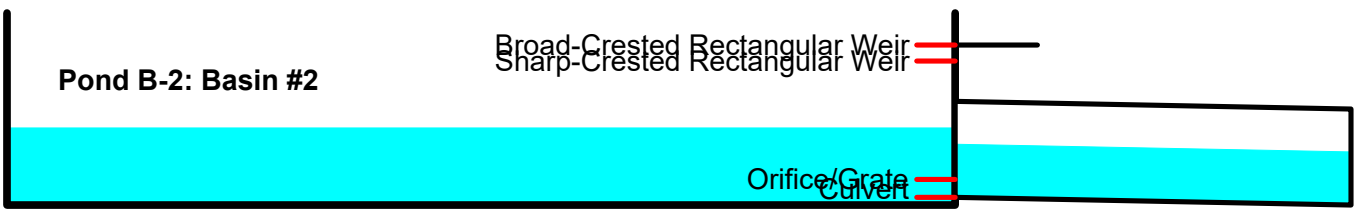
Plug-Flow detention time= 137.7 min calculated for 0.561 af (89% of inflow)
Center-of-Mass det. time= 80.8 min (870.0 - 789.2)

Volume	Invert	Avail.Storage	Storage Description
#1	209.00'	26,760 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

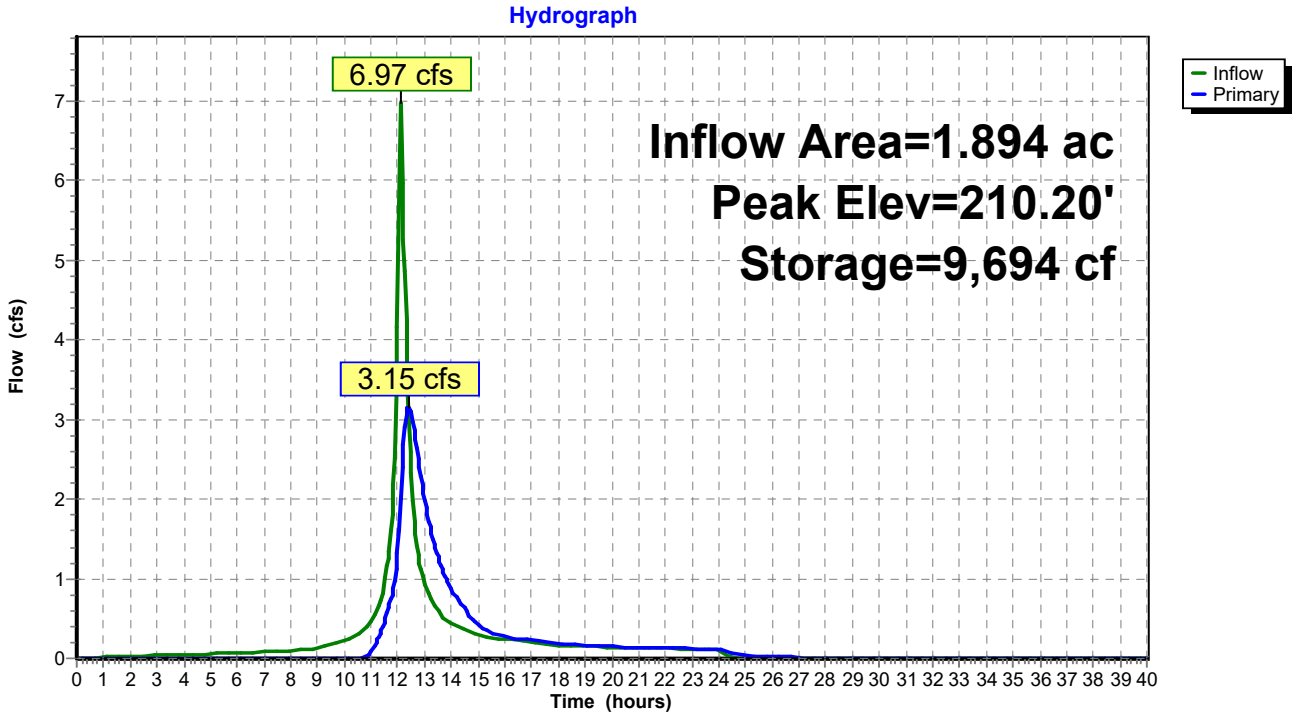
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.00	7,501	0	0
210.00	8,431	7,966	7,966
211.00	9,390	8,911	16,877
212.00	10,376	9,883	26,760

Device	Routing	Invert	Outlet Devices
#1	Primary	209.12'	**18.0" Round Culvert** L= 24.0' Ke= 1.000 Inlet / Outlet Invert= 209.12' / 209.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	209.40'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	211.25'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	211.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=3.15 cfs @ 12.39 hrs HW=210.20' (Free Discharge)
- **1=Culvert** (Barrel Controls 3.15 cfs @ 3.23 fps)
  - **2=Orifice/Grate** (Passes 3.15 cfs of 5.32 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-2: Basin #2



Hydrograph for Pond B-2: Basin #2

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	209.00	0.00
0.10	0.00	0	209.00	0.00
0.20	0.00	0	209.00	0.00
0.30	0.00	0	209.00	0.00
0.40	0.00	0	209.00	0.00
0.50	0.00	0	209.00	0.00
0.60	0.00	0	209.00	0.00
0.70	0.00	0	209.00	0.00
0.80	0.00	1	209.00	0.00
0.90	0.01	2	209.00	0.00
1.00	0.01	5	209.00	0.00
1.10	0.01	8	209.00	0.00
1.20	0.01	12	209.00	0.00
1.30	0.01	17	209.00	0.00
1.40	0.02	22	209.00	0.00
1.50	0.02	28	209.00	0.00
1.60	0.02	35	209.00	0.00
1.70	0.02	43	209.01	0.00
1.80	0.02	51	209.01	0.00
1.90	0.02	59	209.01	0.00
2.00	0.03	69	209.01	0.00
2.10	0.03	78	209.01	0.00
2.20	0.03	88	209.01	0.00
2.30	0.03	99	209.01	0.00
2.40	0.03	110	209.01	0.00
2.50	0.03	122	209.02	0.00
2.60	0.03	134	209.02	0.00
2.70	0.03	146	209.02	0.00
2.80	0.04	159	209.02	0.00
2.90	0.04	172	209.02	0.00
3.00	0.04	186	209.02	0.00
3.10	0.04	200	209.03	0.00
3.20	0.04	214	209.03	0.00
3.30	0.04	229	209.03	0.00
3.40	0.04	244	209.03	0.00
3.50	0.04	259	209.03	0.00
3.60	0.04	275	209.04	0.00
3.70	0.04	290	209.04	0.00
3.80	0.05	307	209.04	0.00
3.90	0.05	323	209.04	0.00
4.00	0.05	340	209.05	0.00
4.10	0.05	357	209.05	0.00
4.20	0.05	375	209.05	0.00
4.30	0.05	392	209.05	0.00
4.40	0.05	410	209.05	0.00
4.50	0.05	429	209.06	0.00
4.60	0.05	447	209.06	0.00
4.70	0.05	466	209.06	0.00
4.80	0.05	485	209.06	0.00
4.90	0.05	504	209.07	0.00
5.00	0.05	524	209.07	0.00
5.10	0.06	543	209.07	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	563	209.07	0.00
5.30	0.06	584	209.08	0.00
5.40	0.06	604	209.08	0.00
5.50	0.06	625	209.08	0.00
5.60	0.06	646	209.09	0.00
5.70	0.06	667	209.09	0.00
5.80	0.06	688	209.09	0.00
5.90	0.06	710	209.09	0.00
6.00	0.06	731	209.10	0.00
6.10	0.06	754	209.10	0.00
6.20	0.06	777	209.10	0.00
6.30	0.07	800	209.11	0.00
6.40	0.07	824	209.11	0.00
6.50	0.07	849	209.11	0.00
6.60	0.07	874	209.12	0.00
6.70	0.07	900	209.12	0.00
6.80	0.07	927	209.12	0.00
6.90	0.08	954	209.13	0.00
7.00	0.08	982	209.13	0.00
7.10	0.08	1,011	209.13	0.00
7.20	0.08	1,040	209.14	0.00
7.30	0.08	1,070	209.14	0.00
7.40	0.09	1,100	209.15	0.00
7.50	0.09	1,131	209.15	0.00
7.60	0.09	1,163	209.15	0.00
7.70	0.09	1,195	209.16	0.00
7.80	0.09	1,229	209.16	0.00
7.90	0.09	1,262	209.17	0.00
8.00	0.10	1,297	209.17	0.00
8.10	0.10	1,332	209.18	0.00
8.20	0.10	1,367	209.18	0.00
8.30	0.10	1,404	209.18	0.00
8.40	0.11	1,441	209.19	0.00
8.50	0.11	1,479	209.19	0.00
8.60	0.11	1,519	209.20	0.00
8.70	0.12	1,560	209.21	0.00
8.80	0.12	1,602	209.21	0.00
8.90	0.12	1,645	209.22	0.00
9.00	0.13	1,690	209.22	0.00
9.10	0.13	1,736	209.23	0.00
9.20	0.14	1,786	209.23	0.00
9.30	0.15	1,838	209.24	0.00
9.40	0.16	1,894	209.25	0.00
9.50	0.17	1,954	209.26	0.00
9.60	0.18	2,016	209.26	0.00
9.70	0.19	2,082	209.27	0.00
9.80	0.20	2,152	209.28	0.00
9.90	0.21	2,225	209.29	0.00
10.00	0.22	2,303	209.30	0.00
10.10	0.23	2,384	209.31	0.00
10.20	0.24	2,469	209.32	0.00
10.30	0.25	2,558	209.33	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.27	2,652	209.35	0.00
10.50	0.28	2,750	209.36	0.00
10.60	0.31	2,855	209.37	0.00
10.70	0.34	2,973	209.39	0.00
10.80	0.38	3,102	209.40	0.00
10.90	0.42	3,240	209.42	0.03
11.00	0.46	3,379	209.44	0.08
11.10	0.52	3,520	209.46	0.13
11.20	0.59	3,662	209.47	0.20
11.30	0.67	3,806	209.49	0.27
11.40	0.75	3,950	209.51	0.35
11.50	0.83	4,091	209.53	0.44
11.60	1.17	4,275	209.55	0.56
11.70	1.35	4,502	209.58	0.69
11.80	1.81	4,808	209.62	0.80
11.90	2.52	5,274	209.67	0.98
12.00	4.16	6,080	209.77	1.31
12.10	**6.97**	7,522	209.95	1.99
12.20	5.26	8,846	210.10	2.69
12.30	4.24	9,534	210.18	3.06
12.40	2.96	**9,690**	**210.20**	**3.15**
12.50	2.33	9,515	210.18	3.05
12.60	1.72	9,169	210.14	2.86
12.70	1.42	8,743	210.09	2.63
12.80	1.20	8,305	210.04	2.40
12.90	1.06	7,886	209.99	2.18
13.00	0.95	7,498	209.94	1.98
13.10	0.85	7,138	209.90	1.80
13.20	0.77	6,808	209.86	1.65
13.30	0.70	6,505	209.82	1.50
13.40	0.64	6,227	209.79	1.38
13.50	0.59	5,973	209.76	1.27
13.60	0.53	5,737	209.73	1.17
13.70	0.50	5,519	209.70	1.08
13.80	0.47	5,322	209.68	1.00
13.90	0.46	5,143	209.66	0.93
14.00	0.44	4,983	209.64	0.86
14.10	0.43	4,838	209.62	0.81
14.20	0.41	4,706	209.60	0.76
14.30	0.40	4,585	209.59	0.72
14.40	0.38	4,474	209.58	0.68
14.50	0.37	4,373	209.56	0.63
14.60	0.36	4,288	209.55	0.57
14.70	0.34	4,217	209.54	0.52
14.80	0.33	4,156	209.54	0.49
14.90	0.31	4,103	209.53	0.45
15.00	0.30	4,056	209.52	0.42
15.10	0.29	4,014	209.52	0.39
15.20	0.28	3,978	209.51	0.37
15.30	0.27	3,946	209.51	0.35
15.40	0.26	3,918	209.51	0.34
15.50	0.26	3,894	209.50	0.32

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.26	3,874	209.50	0.31
15.70	0.25	3,855	209.50	0.30
15.80	0.25	3,839	209.50	0.29
15.90	0.25	3,825	209.49	0.28
16.00	0.24	3,812	209.49	0.28
16.10	0.24	3,800	209.49	0.27
16.20	0.23	3,789	209.49	0.26
16.30	0.23	3,779	209.49	0.26
16.40	0.23	3,769	209.49	0.25
16.50	0.22	3,760	209.49	0.25
16.60	0.22	3,751	209.49	0.24
16.70	0.22	3,743	209.48	0.24
16.80	0.21	3,735	209.48	0.23
16.90	0.21	3,727	209.48	0.23
17.00	0.20	3,720	209.48	0.22
17.10	0.20	3,712	209.48	0.22
17.20	0.20	3,705	209.48	0.22
17.30	0.19	3,698	209.48	0.21
17.40	0.19	3,690	209.48	0.21
17.50	0.18	3,682	209.48	0.21
17.60	0.18	3,675	209.48	0.20
17.70	0.18	3,667	209.47	0.20
17.80	0.17	3,659	209.47	0.20
17.90	0.17	3,651	209.47	0.19
18.00	0.17	3,643	209.47	0.19
18.10	0.16	3,635	209.47	0.18
18.20	0.16	3,627	209.47	0.18
18.30	0.16	3,620	209.47	0.18
18.40	0.16	3,613	209.47	0.17
18.50	0.16	3,607	209.47	0.17
18.60	0.15	3,601	209.47	0.17
18.70	0.15	3,596	209.47	0.17
18.80	0.15	3,592	209.47	0.16
18.90	0.15	3,588	209.46	0.16
19.00	0.15	3,584	209.46	0.16
19.10	0.15	3,581	209.46	0.16
19.20	0.15	3,577	209.46	0.16
19.30	0.15	3,574	209.46	0.16
19.40	0.15	3,571	209.46	0.15
19.50	0.15	3,568	209.46	0.15
19.60	0.14	3,566	209.46	0.15
19.70	0.14	3,563	209.46	0.15
19.80	0.14	3,561	209.46	0.15
19.90	0.14	3,558	209.46	0.15
20.00	0.14	3,556	209.46	0.15
20.10	0.14	3,554	209.46	0.15
20.20	0.14	3,551	209.46	0.15
20.30	0.14	3,549	209.46	0.14
20.40	0.14	3,547	209.46	0.14
20.50	0.14	3,545	209.46	0.14
20.60	0.14	3,543	209.46	0.14
20.70	0.13	3,540	209.46	0.14

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.13	3,538	209.46	0.14
20.90	0.13	3,536	209.46	0.14
21.00	0.13	3,534	209.46	0.14
21.10	0.13	3,532	209.46	0.14
21.20	0.13	3,530	209.46	0.14
21.30	0.13	3,528	209.46	0.13
21.40	0.13	3,526	209.46	0.13
21.50	0.13	3,524	209.46	0.13
21.60	0.13	3,522	209.46	0.13
21.70	0.12	3,519	209.46	0.13
21.80	0.12	3,517	209.46	0.13
21.90	0.12	3,515	209.46	0.13
22.00	0.12	3,513	209.46	0.13
22.10	0.12	3,511	209.46	0.13
22.20	0.12	3,509	209.45	0.13
22.30	0.12	3,507	209.45	0.12
22.40	0.12	3,505	209.45	0.12
22.50	0.12	3,503	209.45	0.12
22.60	0.12	3,501	209.45	0.12
22.70	0.12	3,499	209.45	0.12
22.80	0.11	3,497	209.45	0.12
22.90	0.11	3,494	209.45	0.12
23.00	0.11	3,492	209.45	0.12
23.10	0.11	3,490	209.45	0.12
23.20	0.11	3,488	209.45	0.12
23.30	0.11	3,486	209.45	0.12
23.40	0.11	3,484	209.45	0.11
23.50	0.11	3,482	209.45	0.11
23.60	0.11	3,480	209.45	0.11
23.70	0.11	3,478	209.45	0.11
23.80	0.10	3,476	209.45	0.11
23.90	0.10	3,474	209.45	0.11
24.00	0.11	3,474	209.45	0.11
24.10	0.06	3,466	209.45	0.11
24.20	0.03	3,446	209.45	0.10
24.30	0.01	3,420	209.44	0.09
24.40	0.00	3,391	209.44	0.08
24.50	0.00	3,365	209.44	0.07
24.60	0.00	3,341	209.43	0.06
24.70	0.00	3,319	209.43	0.06
24.80	0.00	3,300	209.43	0.05
24.90	0.00	3,283	209.43	0.04
25.00	0.00	3,268	209.42	0.04
25.10	0.00	3,255	209.42	0.03
25.20	0.00	3,243	209.42	0.03
25.30	0.00	3,232	209.42	0.03
25.40	0.00	3,223	209.42	0.03
25.50	0.00	3,214	209.42	0.02
25.60	0.00	3,206	209.42	0.02
25.70	0.00	3,198	209.42	0.02
25.80	0.00	3,190	209.41	0.02
25.90	0.00	3,183	209.41	0.02

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,177	209.41	0.02
26.10	0.00	3,171	209.41	0.02
26.20	0.00	3,165	209.41	0.02
26.30	0.00	3,159	209.41	0.01
26.40	0.00	3,154	209.41	0.01
26.50	0.00	3,150	209.41	0.01
26.60	0.00	3,145	209.41	0.01
26.70	0.00	3,141	209.41	0.01
26.80	0.00	3,137	209.41	0.01
26.90	0.00	3,133	209.41	0.01
27.00	0.00	3,130	209.41	0.01
27.10	0.00	3,126	209.41	0.01
27.20	0.00	3,123	209.41	0.01
27.30	0.00	3,120	209.41	0.01
27.40	0.00	3,117	209.41	0.01
27.50	0.00	3,115	209.41	0.01
27.60	0.00	3,112	209.40	0.01
27.70	0.00	3,110	209.40	0.01
27.80	0.00	3,108	209.40	0.01
27.90	0.00	3,106	209.40	0.01
28.00	0.00	3,104	209.40	0.01
28.10	0.00	3,102	209.40	0.00
28.20	0.00	3,101	209.40	0.00
28.30	0.00	3,099	209.40	0.00
28.40	0.00	3,098	209.40	0.00
28.50	0.00	3,096	209.40	0.00
28.60	0.00	3,095	209.40	0.00
28.70	0.00	3,094	209.40	0.00
28.80	0.00	3,093	209.40	0.00
28.90	0.00	3,092	209.40	0.00
29.00	0.00	3,091	209.40	0.00
29.10	0.00	3,090	209.40	0.00
29.20	0.00	3,089	209.40	0.00
29.30	0.00	3,088	209.40	0.00
29.40	0.00	3,087	209.40	0.00
29.50	0.00	3,086	209.40	0.00
29.60	0.00	3,086	209.40	0.00
29.70	0.00	3,085	209.40	0.00
29.80	0.00	3,084	209.40	0.00
29.90	0.00	3,084	209.40	0.00
30.00	0.00	3,083	209.40	0.00
30.10	0.00	3,083	209.40	0.00
30.20	0.00	3,082	209.40	0.00
30.30	0.00	3,082	209.40	0.00
30.40	0.00	3,081	209.40	0.00
30.50	0.00	3,081	209.40	0.00
30.60	0.00	3,081	209.40	0.00
30.70	0.00	3,080	209.40	0.00
30.80	0.00	3,080	209.40	0.00
30.90	0.00	3,080	209.40	0.00
31.00	0.00	3,079	209.40	0.00
31.10	0.00	3,079	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,079	209.40	0.00
31.30	0.00	3,079	209.40	0.00
31.40	0.00	3,078	209.40	0.00
31.50	0.00	3,078	209.40	0.00
31.60	0.00	3,078	209.40	0.00
31.70	0.00	3,078	209.40	0.00
31.80	0.00	3,078	209.40	0.00
31.90	0.00	3,077	209.40	0.00
32.00	0.00	3,077	209.40	0.00
32.10	0.00	3,077	209.40	0.00
32.20	0.00	3,077	209.40	0.00
32.30	0.00	3,077	209.40	0.00
32.40	0.00	3,077	209.40	0.00
32.50	0.00	3,077	209.40	0.00
32.60	0.00	3,076	209.40	0.00
32.70	0.00	3,076	209.40	0.00
32.80	0.00	3,076	209.40	0.00
32.90	0.00	3,076	209.40	0.00
33.00	0.00	3,076	209.40	0.00
33.10	0.00	3,076	209.40	0.00
33.20	0.00	3,076	209.40	0.00
33.30	0.00	3,076	209.40	0.00
33.40	0.00	3,076	209.40	0.00
33.50	0.00	3,076	209.40	0.00
33.60	0.00	3,076	209.40	0.00
33.70	0.00	3,076	209.40	0.00
33.80	0.00	3,076	209.40	0.00
33.90	0.00	3,076	209.40	0.00
34.00	0.00	3,076	209.40	0.00
34.10	0.00	3,075	209.40	0.00
34.20	0.00	3,075	209.40	0.00
34.30	0.00	3,075	209.40	0.00
34.40	0.00	3,075	209.40	0.00
34.50	0.00	3,075	209.40	0.00
34.60	0.00	3,075	209.40	0.00
34.70	0.00	3,075	209.40	0.00
34.80	0.00	3,075	209.40	0.00
34.90	0.00	3,075	209.40	0.00
35.00	0.00	3,075	209.40	0.00
35.10	0.00	3,075	209.40	0.00
35.20	0.00	3,075	209.40	0.00
35.30	0.00	3,075	209.40	0.00
35.40	0.00	3,075	209.40	0.00
35.50	0.00	3,075	209.40	0.00
35.60	0.00	3,075	209.40	0.00
35.70	0.00	3,075	209.40	0.00
35.80	0.00	3,075	209.40	0.00
35.90	0.00	3,075	209.40	0.00
36.00	0.00	3,075	209.40	0.00
36.10	0.00	3,075	209.40	0.00
36.20	0.00	3,075	209.40	0.00
36.30	0.00	3,075	209.40	0.00

Hydrograph for Pond B-2: Basin #2 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,075	209.40	0.00
36.50	0.00	3,075	209.40	0.00
36.60	0.00	3,075	209.40	0.00
36.70	0.00	3,075	209.40	0.00
36.80	0.00	3,075	209.40	0.00
36.90	0.00	3,075	209.40	0.00
37.00	0.00	3,075	209.40	0.00
37.10	0.00	3,075	209.40	0.00
37.20	0.00	3,075	209.40	0.00
37.30	0.00	3,075	209.40	0.00
37.40	0.00	3,075	209.40	0.00
37.50	0.00	3,075	209.40	0.00
37.60	0.00	3,075	209.40	0.00
37.70	0.00	3,075	209.40	0.00
37.80	0.00	3,075	209.40	0.00
37.90	0.00	3,075	209.40	0.00
38.00	0.00	3,075	209.40	0.00
38.10	0.00	3,075	209.40	0.00
38.20	0.00	3,075	209.40	0.00
38.30	0.00	3,075	209.40	0.00
38.40	0.00	3,075	209.40	0.00
38.50	0.00	3,075	209.40	0.00
38.60	0.00	3,075	209.40	0.00
38.70	0.00	3,075	209.40	0.00
38.80	0.00	3,075	209.40	0.00
38.90	0.00	3,075	209.40	0.00
39.00	0.00	3,075	209.40	0.00
39.10	0.00	3,075	209.40	0.00
39.20	0.00	3,075	209.40	0.00
39.30	0.00	3,075	209.40	0.00
39.40	0.00	3,075	209.40	0.00
39.50	0.00	3,075	209.40	0.00
39.60	0.00	3,075	209.40	0.00
39.70	0.00	3,075	209.40	0.00
39.80	0.00	3,075	209.40	0.00
39.90	0.00	3,075	209.40	0.00
40.00	0.00	3,075	209.40	0.00

Stage-Discharge for Pond B-2: Basin #2

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.00	0.00	209.52	0.40	210.04	2.40	210.56	4.94
209.01	0.00	209.53	0.45	210.05	2.44	210.57	4.99
209.02	0.00	209.54	0.50	210.06	2.49	210.58	5.05
209.03	0.00	209.55	0.56	210.07	2.53	210.59	5.10
209.04	0.00	209.56	0.62	210.08	2.58	210.60	5.15
209.05	0.00	209.57	0.66	210.09	2.62	210.61	5.20
209.06	0.00	209.58	0.69	210.10	2.67	210.62	5.25
209.07	0.00	209.59	0.72	210.11	2.72	210.63	5.30
209.08	0.00	209.60	0.75	210.12	2.76	210.64	5.34
209.09	0.00	209.61	0.78	210.13	2.81	210.65	5.39
209.10	0.00	209.62	0.81	210.14	2.86	210.66	5.44
209.11	0.00	209.63	0.84	210.15	2.90	210.67	5.49
209.12	0.00	209.64	0.87	210.16	2.95	210.68	5.54
209.13	0.00	209.65	0.90	210.17	3.00	210.69	5.59
209.14	0.00	209.66	0.93	210.18	3.05	210.70	5.64
209.15	0.00	209.67	0.96	210.19	3.09	210.71	5.69
209.16	0.00	209.68	0.99	210.20	3.14	210.72	5.74
209.17	0.00	209.69	1.03	210.21	3.19	210.73	5.78
209.18	0.00	209.70	1.06	210.22	3.24	210.74	5.83
209.19	0.00	209.71	1.09	210.23	3.29	210.75	5.88
209.20	0.00	209.72	1.13	210.24	3.34	210.76	5.93
209.21	0.00	209.73	1.16	210.25	3.38	210.77	5.97
209.22	0.00	209.74	1.19	210.26	3.43	210.78	6.02
209.23	0.00	209.75	1.23	210.27	3.48	210.79	6.07
209.24	0.00	209.76	1.26	210.28	3.53	210.80	6.11
209.25	0.00	209.77	1.30	210.29	3.58	210.81	6.16
209.26	0.00	209.78	1.34	210.30	3.63	210.82	6.20
209.27	0.00	209.79	1.37	210.31	3.68	210.83	6.25
209.28	0.00	209.80	1.41	210.32	3.73	210.84	6.29
209.29	0.00	209.81	1.45	210.33	3.78	210.85	6.32
209.30	0.00	209.82	1.48	210.34	3.83	210.86	6.35
209.31	0.00	209.83	1.52	210.35	3.88	210.87	6.38
209.32	0.00	209.84	1.56	210.36	3.93	210.88	6.41
209.33	0.00	209.85	1.60	210.37	3.98	210.89	6.45
209.34	0.00	209.86	1.64	210.38	4.03	210.90	6.48
209.35	0.00	209.87	1.68	210.39	4.08	210.91	6.51
209.36	0.00	209.88	1.72	210.40	4.13	210.92	6.54
209.37	0.00	209.89	1.76	210.41	4.18	210.93	6.57
209.38	0.00	209.90	1.80	210.42	4.23	210.94	6.60
209.39	0.00	209.91	1.84	210.43	4.29	210.95	6.63
209.40	0.00	209.92	1.88	210.44	4.34	210.96	6.66
209.41	0.01	209.93	1.92	210.45	4.39	210.97	6.69
209.42	0.03	209.94	1.96	210.46	4.44	210.98	6.72
209.43	0.05	209.95	2.01	210.47	4.49	210.99	6.75
209.44	0.08	209.96	2.05	210.48	4.54	211.00	6.78
209.45	0.11	209.97	2.09	210.49	4.59	211.01	6.81
209.46	0.14	209.98	2.13	210.50	4.64	211.02	6.84
209.47	0.18	209.99	2.18	210.51	4.69	211.03	6.87
209.48	0.22	210.00	2.22	210.52	4.74	211.04	6.90
209.49	0.26	210.01	2.26	210.53	4.79	211.05	6.93
209.50	0.30	210.02	2.31	210.54	4.84	211.06	6.96
209.51	0.35	210.03	2.35	210.55	4.89	211.07	6.99

Stage-Discharge for Pond B-2: Basin #2 (continued)

Elevation (feet)	Primary (cfs)
211.08	7.02
211.09	7.05
211.10	7.08
211.11	7.11
211.12	7.13
211.13	7.16
211.14	7.19
211.15	7.22
211.16	7.25
211.17	7.28
211.18	7.30
211.19	7.33
211.20	7.36
211.21	7.39
211.22	7.41
211.23	7.44
211.24	7.47
211.25	7.50
211.26	7.52
211.27	7.55
211.28	7.58
211.29	7.60
211.30	7.63
211.31	7.66
211.32	7.68
211.33	7.71
211.34	7.74
211.35	7.76
211.36	7.79
211.37	7.82
211.38	7.84
211.39	7.87
211.40	7.89
211.41	7.92
211.42	7.94
211.43	7.97
211.44	8.00
211.45	8.02
211.46	8.05
211.47	8.07
211.48	8.10
211.49	8.12
211.50	8.15
211.51	8.29
211.52	8.53
211.53	8.83
211.54	9.18
211.55	9.58
211.56	10.02
211.57	10.49
211.58	11.00
211.59	11.54
211.60	12.11
211.61	12.71
211.62	13.33
211.63	13.98
211.64	14.66
211.65	15.36
211.66	16.08
211.67	16.83
211.68	17.60
211.69	18.39
211.70	19.20
211.71	20.07
211.72	20.96
211.73	21.89
211.74	22.83
211.75	23.80
211.76	24.80
211.77	25.82
211.78	26.87
211.79	27.94
211.80	29.03
211.81	30.15
211.82	31.30
211.83	32.47
211.84	33.66
211.85	34.88
211.86	36.12
211.87	37.38
211.88	38.67
211.89	39.98
211.90	41.32
211.91	42.71
211.92	44.12
211.93	45.56
211.94	47.03
211.95	48.52
211.96	50.04
211.97	51.59
211.98	53.16
211.99	54.75
212.00	**56.38**

Stage-Area-Storage for Pond B-2: Basin #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.00	7,501	0	209.52	7,985	4,026
209.01	7,510	75	209.53	7,994	4,106
209.02	7,520	150	209.54	8,003	4,186
209.03	7,529	225	209.55	8,013	4,266
209.04	7,538	301	209.56	8,022	4,346
209.05	7,548	376	209.57	8,031	4,427
209.06	7,557	452	209.58	8,040	4,507
209.07	7,566	527	209.59	8,050	4,587
209.08	7,575	603	209.60	8,059	4,668
209.09	7,585	679	209.61	8,068	4,749
209.10	7,594	755	209.62	8,078	4,829
209.11	7,603	831	209.63	8,087	4,910
209.12	7,613	907	209.64	8,096	4,991
209.13	7,622	983	209.65	8,106	5,072
209.14	7,631	1,059	209.66	8,115	5,153
209.15	7,641	1,136	209.67	8,124	5,234
209.16	7,650	1,212	209.68	8,133	5,316
209.17	7,659	1,289	209.69	8,143	5,397
209.18	7,668	1,365	209.70	8,152	5,479
209.19	7,678	1,442	209.71	8,161	5,560
209.20	7,687	1,519	209.72	8,171	5,642
209.21	7,696	1,596	209.73	8,180	5,724
209.22	7,706	1,673	209.74	8,189	5,805
209.23	7,715	1,750	209.75	8,199	5,887
209.24	7,724	1,827	209.76	8,208	5,969
209.25	7,734	1,904	209.77	8,217	6,051
209.26	7,743	1,982	209.78	8,226	6,134
209.27	7,752	2,059	209.79	8,236	6,216
209.28	7,761	2,137	209.80	8,245	6,298
209.29	7,771	2,214	209.81	8,254	6,381
209.30	7,780	2,292	209.82	8,264	6,463
209.31	7,789	2,370	209.83	8,273	6,546
209.32	7,799	2,448	209.84	8,282	6,629
209.33	7,808	2,526	209.85	8,291	6,712
209.34	7,817	2,604	209.86	8,301	6,795
209.35	7,826	2,682	209.87	8,310	6,878
209.36	7,836	2,761	209.88	8,319	6,961
209.37	7,845	2,839	209.89	8,329	7,044
209.38	7,854	2,918	209.90	8,338	7,128
209.39	7,864	2,996	209.91	8,347	7,211
209.40	7,873	3,075	209.92	8,357	7,294
209.41	7,882	3,154	209.93	8,366	7,378
209.42	7,892	3,232	209.94	8,375	7,462
209.43	7,901	3,311	209.95	8,384	7,546
209.44	7,910	3,390	209.96	8,394	7,630
209.45	7,919	3,470	209.97	8,403	7,713
209.46	7,929	3,549	209.98	8,412	7,798
209.47	7,938	3,628	209.99	8,422	7,882
209.48	7,947	3,708	210.00	8,431	7,966
209.49	7,957	3,787	210.01	8,441	8,050
209.50	7,966	3,867	210.02	8,450	8,135
209.51	7,975	3,946	210.03	8,460	8,219

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.04	8,469	8,304	210.56	8,968	12,838
210.05	8,479	8,389	210.57	8,978	12,927
210.06	8,489	8,474	210.58	8,987	13,017
210.07	8,498	8,559	210.59	8,997	13,107
210.08	8,508	8,644	210.60	9,006	13,197
210.09	8,517	8,729	210.61	9,016	13,287
210.10	8,527	8,814	210.62	9,026	13,378
210.11	8,536	8,899	210.63	9,035	13,468
210.12	8,546	8,985	210.64	9,045	13,558
210.13	8,556	9,070	210.65	9,054	13,649
210.14	8,565	9,156	210.66	9,064	13,739
210.15	8,575	9,241	210.67	9,074	13,830
210.16	8,584	9,327	210.68	9,083	13,921
210.17	8,594	9,413	210.69	9,093	14,012
210.18	8,604	9,499	210.70	9,102	14,103
210.19	8,613	9,585	210.71	9,112	14,194
210.20	8,623	9,671	210.72	9,121	14,285
210.21	8,632	9,758	210.73	9,131	14,376
210.22	8,642	9,844	210.74	9,141	14,468
210.23	8,652	9,930	210.75	9,150	14,559
210.24	8,661	10,017	210.76	9,160	14,651
210.25	8,671	10,104	210.77	9,169	14,742
210.26	8,680	10,190	210.78	9,179	14,834
210.27	8,690	10,277	210.79	9,189	14,926
210.28	8,700	10,364	210.80	9,198	15,018
210.29	8,709	10,451	210.81	9,208	15,110
210.30	8,719	10,538	210.82	9,217	15,202
210.31	8,728	10,626	210.83	9,227	15,294
210.32	8,738	10,713	210.84	9,237	15,386
210.33	8,747	10,800	210.85	9,246	15,479
210.34	8,757	10,888	210.86	9,256	15,571
210.35	8,767	10,976	210.87	9,265	15,664
210.36	8,776	11,063	210.88	9,275	15,757
210.37	8,786	11,151	210.89	9,285	15,849
210.38	8,795	11,239	210.90	9,294	15,942
210.39	8,805	11,327	210.91	9,304	16,035
210.40	8,815	11,415	210.92	9,313	16,128
210.41	8,824	11,503	210.93	9,323	16,222
210.42	8,834	11,592	210.94	9,332	16,315
210.43	8,843	11,680	210.95	9,342	16,408
210.44	8,853	11,768	210.96	9,352	16,502
210.45	8,863	11,857	210.97	9,361	16,595
210.46	8,872	11,946	210.98	9,371	16,689
210.47	8,882	12,034	210.99	9,380	16,783
210.48	8,891	12,123	211.00	9,390	16,877
210.49	8,901	12,212	211.01	9,400	16,970
210.50	8,911	12,301	211.02	9,410	17,064
210.51	8,920	12,391	211.03	9,420	17,159
210.52	8,930	12,480	211.04	9,429	17,253
210.53	8,939	12,569	211.05	9,439	17,347
210.54	8,949	12,659	211.06	9,449	17,442
210.55	8,958	12,748	211.07	9,459	17,536

Stage-Area-Storage for Pond B-2: Basin #2 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
211.08	9,469	17,631
211.09	9,479	17,726
211.10	9,489	17,820
211.11	9,498	17,915
211.12	9,508	18,010
211.13	9,518	18,106
211.14	9,528	18,201
211.15	9,538	18,296
211.16	9,548	18,392
211.17	9,558	18,487
211.18	9,567	18,583
211.19	9,577	18,678
211.20	9,587	18,774
211.21	9,597	18,870
211.22	9,607	18,966
211.23	9,617	19,062
211.24	9,627	19,158
211.25	9,637	19,255
211.26	9,646	19,351
211.27	9,656	19,448
211.28	9,666	19,544
211.29	9,676	19,641
211.30	9,686	19,738
211.31	9,696	19,835
211.32	9,706	19,932
211.33	9,715	20,029
211.34	9,725	20,126
211.35	9,735	20,223
211.36	9,745	20,321
211.37	9,755	20,418
211.38	9,765	20,516
211.39	9,775	20,614
211.40	9,784	20,711
211.41	9,794	20,809
211.42	9,804	20,907
211.43	9,814	21,005
211.44	9,824	21,104
211.45	9,834	21,202
211.46	9,844	21,300
211.47	9,853	21,399
211.48	9,863	21,497
211.49	9,873	21,596
211.50	9,883	21,695
211.51	9,893	21,794
211.52	9,903	21,893
211.53	9,913	21,992
211.54	9,922	22,091
211.55	9,932	22,190
211.56	9,942	22,290
211.57	9,952	22,389
211.58	9,962	22,489
211.59	9,972	22,588
211.60	9,982	22,688
211.61	9,991	22,788
211.62	10,001	22,888
211.63	10,011	22,988
211.64	10,021	23,088
211.65	10,031	23,188
211.66	10,041	23,289
211.67	10,051	23,389
211.68	10,060	23,490
211.69	10,070	23,590
211.70	10,080	23,691
211.71	10,090	23,792
211.72	10,100	23,893
211.73	10,110	23,994
211.74	10,120	24,095
211.75	10,130	24,196
211.76	10,139	24,298
211.77	10,149	24,399
211.78	10,159	24,501
211.79	10,169	24,602
211.80	10,179	24,704
211.81	10,189	24,806
211.82	10,199	24,908
211.83	10,208	25,010
211.84	10,218	25,112
211.85	10,228	25,214
211.86	10,238	25,317
211.87	10,248	25,419
211.88	10,258	25,521
211.89	10,268	25,624
211.90	10,277	25,727
211.91	10,287	25,830
211.92	10,297	25,933
211.93	10,307	26,036
211.94	10,317	26,139
211.95	10,327	26,242
211.96	10,337	26,345
211.97	10,346	26,449
211.98	10,356	26,552
211.99	10,366	26,656
212.00	**10,376**	**26,760**

Summary for Pond B-3: Basin #3

Inflow Area = 1.554 ac, 38.35% Impervious, Inflow Depth = 4.00" for Future 10 yr event
Inflow = 8.02 cfs @ 12.08 hrs, Volume= 0.518 af
Outflow = 0.17 cfs @ 16.87 hrs, Volume= 0.337 af, Atten= 98%, Lag= 287.1 min
Primary = 0.17 cfs @ 16.87 hrs, Volume= 0.337 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 214.40' @ 16.87 hrs Surf.Area= 13,797 sf Storage= 16,691 cf

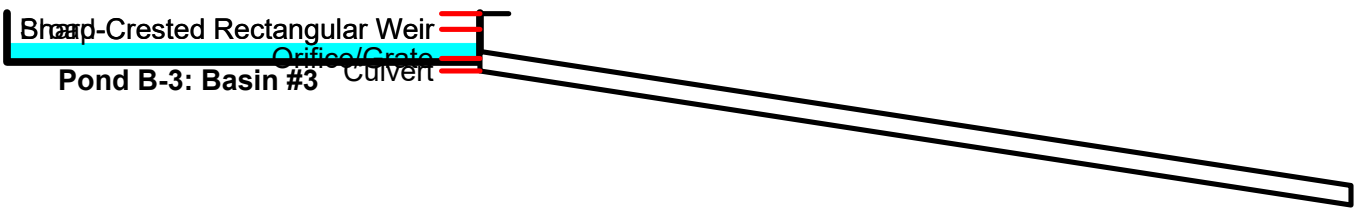
Plug-Flow detention time= 811.6 min calculated for 0.337 af (65% of inflow)
Center-of-Mass det. time= 705.3 min (1,489.3 - 784.0)

Volume	Invert	Avail.Storage	Storage Description
#1	213.00'	56,991 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

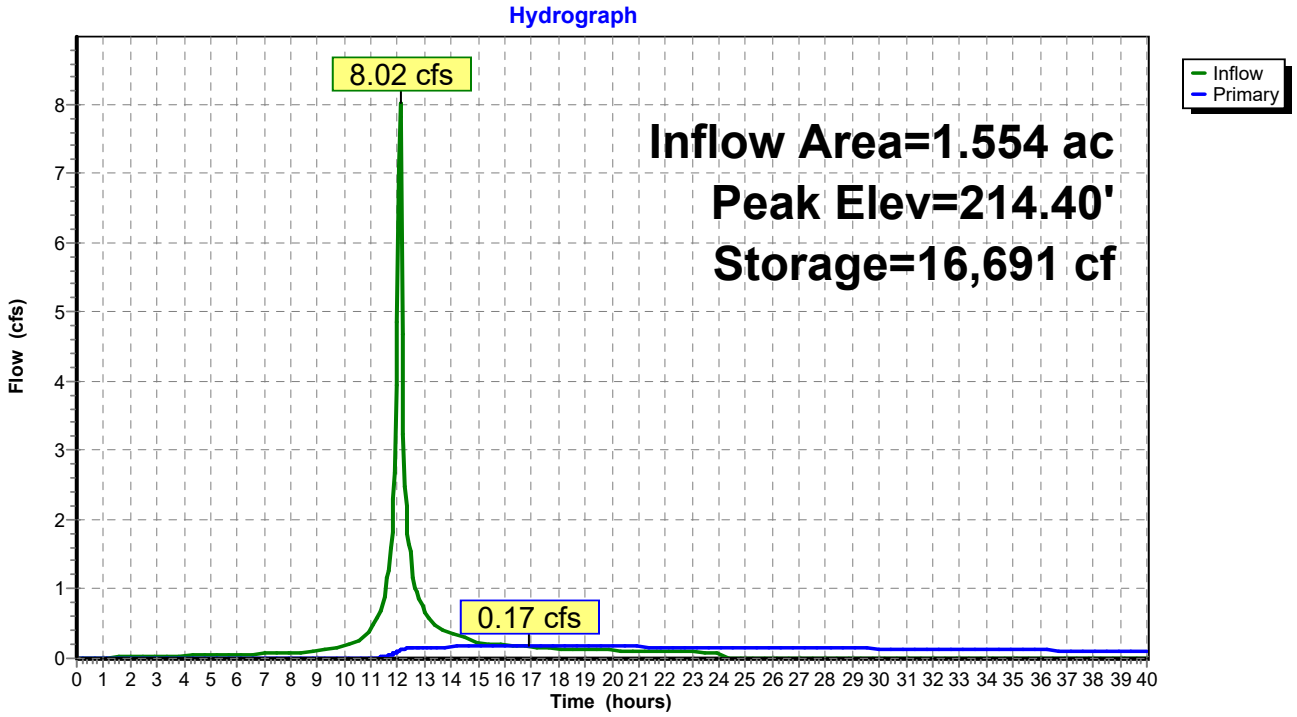
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.00	9,992	0	0
214.00	12,685	11,339	11,339
215.00	15,435	14,060	25,399
216.00	18,241	16,838	42,237
216.75	21,104	14,754	56,991

Device	Routing	Invert	Outlet Devices
#1	Primary	212.30'	**18.0" Round Culvert** L= 151.0' Ke= 0.500 Inlet / Outlet Invert= 212.30' / 202.00' S= 0.0682 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	213.25'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	215.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	216.70'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.17 cfs @ 16.87 hrs HW=214.40' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 9.90 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 4.93 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-3: Basin #3



Hydrograph for Pond B-3: Basin #3

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	213.00	0.00
0.10	0.00	0	213.00	0.00
0.20	0.00	0	213.00	0.00
0.30	0.00	0	213.00	0.00
0.40	0.00	0	213.00	0.00
0.50	0.00	0	213.00	0.00
0.60	0.00	0	213.00	0.00
0.70	0.00	0	213.00	0.00
0.80	0.00	0	213.00	0.00
0.90	0.00	2	213.00	0.00
1.00	0.01	3	213.00	0.00
1.10	0.01	6	213.00	0.00
1.20	0.01	9	213.00	0.00
1.30	0.01	13	213.00	0.00
1.40	0.01	18	213.00	0.00
1.50	0.01	23	213.00	0.00
1.60	0.02	28	213.00	0.00
1.70	0.02	34	213.00	0.00
1.80	0.02	41	213.00	0.00
1.90	0.02	48	213.00	0.00
2.00	0.02	55	213.01	0.00
2.10	0.02	63	213.01	0.00
2.20	0.02	72	213.01	0.00
2.30	0.02	80	213.01	0.00
2.40	0.03	89	213.01	0.00
2.50	0.03	99	213.01	0.00
2.60	0.03	109	213.01	0.00
2.70	0.03	119	213.01	0.00
2.80	0.03	129	213.01	0.00
2.90	0.03	140	213.01	0.00
3.00	0.03	151	213.02	0.00
3.10	0.03	163	213.02	0.00
3.20	0.03	174	213.02	0.00
3.30	0.03	186	213.02	0.00
3.40	0.03	199	213.02	0.00
3.50	0.04	211	213.02	0.00
3.60	0.04	224	213.02	0.00
3.70	0.04	237	213.02	0.00
3.80	0.04	251	213.02	0.00
3.90	0.04	264	213.03	0.00
4.00	0.04	278	213.03	0.00
4.10	0.04	292	213.03	0.00
4.20	0.04	306	213.03	0.00
4.30	0.04	321	213.03	0.00
4.40	0.04	336	213.03	0.00
4.50	0.04	351	213.03	0.00
4.60	0.04	366	213.04	0.00
4.70	0.04	381	213.04	0.00
4.80	0.04	397	213.04	0.00
4.90	0.04	413	213.04	0.00
5.00	0.04	429	213.04	0.00
5.10	0.05	445	213.04	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	461	213.05	0.00
5.30	0.05	478	213.05	0.00
5.40	0.05	495	213.05	0.00
5.50	0.05	512	213.05	0.00
5.60	0.05	529	213.05	0.00
5.70	0.05	546	213.05	0.00
5.80	0.05	564	213.06	0.00
5.90	0.05	582	213.06	0.00
6.00	0.05	600	213.06	0.00
6.10	0.05	618	213.06	0.00
6.20	0.05	637	213.06	0.00
6.30	0.05	656	213.07	0.00
6.40	0.06	676	213.07	0.00
6.50	0.06	696	213.07	0.00
6.60	0.06	717	213.07	0.00
6.70	0.06	738	213.07	0.00
6.80	0.06	760	213.08	0.00
6.90	0.06	782	213.08	0.00
7.00	0.06	805	213.08	0.00
7.10	0.07	829	213.08	0.00
7.20	0.07	853	213.08	0.00
7.30	0.07	877	213.09	0.00
7.40	0.07	902	213.09	0.00
7.50	0.07	928	213.09	0.00
7.60	0.07	954	213.09	0.00
7.70	0.07	980	213.10	0.00
7.80	0.08	1,008	213.10	0.00
7.90	0.08	1,035	213.10	0.00
8.00	0.08	1,063	213.10	0.00
8.10	0.08	1,092	213.11	0.00
8.20	0.08	1,122	213.11	0.00
8.30	0.09	1,152	213.11	0.00
8.40	0.09	1,184	213.12	0.00
8.50	0.09	1,216	213.12	0.00
8.60	0.09	1,250	213.12	0.00
8.70	0.10	1,284	213.13	0.00
8.80	0.10	1,319	213.13	0.00
8.90	0.10	1,356	213.13	0.00
9.00	0.11	1,393	213.14	0.00
9.10	0.11	1,433	213.14	0.00
9.20	0.12	1,475	213.14	0.00
9.30	0.13	1,519	213.15	0.00
9.40	0.14	1,567	213.15	0.00
9.50	0.14	1,617	213.16	0.00
9.60	0.15	1,670	213.16	0.00
9.70	0.16	1,727	213.17	0.00
9.80	0.17	1,786	213.17	0.00
9.90	0.18	1,849	213.18	0.00
10.00	0.19	1,915	213.19	0.00
10.10	0.20	1,984	213.19	0.00
10.20	0.21	2,057	213.20	0.00
10.30	0.22	2,133	213.21	0.00

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.23	2,213	213.22	0.00
10.50	0.24	2,296	213.22	0.00
10.60	0.27	2,388	213.23	0.00
10.70	0.30	2,490	213.24	0.00
10.80	0.33	2,605	213.25	0.00
10.90	0.37	2,731	213.26	0.00
11.00	0.41	2,870	213.28	0.00
11.10	0.47	3,027	213.29	0.00
11.20	0.53	3,206	213.31	0.01
11.30	0.60	3,409	213.33	0.01
11.40	0.68	3,635	213.35	0.02
11.50	0.76	3,885	213.37	0.02
11.60	1.15	4,227	213.40	0.04
11.70	1.30	4,654	213.44	0.05
11.80	1.82	5,204	213.49	0.06
11.90	2.70	6,001	213.56	0.07
12.00	4.86	7,363	213.68	0.09
12.10	**7.83**	9,748	213.87	0.12
12.20	3.25	11,542	214.02	0.13
12.30	2.20	12,431	214.09	0.14
12.40	1.64	13,048	214.13	0.14
12.50	1.50	13,560	214.17	0.15
12.60	1.02	13,943	214.20	0.15
12.70	0.94	14,238	214.22	0.15
12.80	0.86	14,504	214.24	0.15
12.90	0.78	14,740	214.26	0.16
13.00	0.70	14,947	214.28	0.16
13.10	0.62	15,124	214.29	0.16
13.20	0.57	15,279	214.30	0.16
13.30	0.53	15,418	214.31	0.16
13.40	0.48	15,541	214.32	0.16
13.50	0.44	15,648	214.33	0.16
13.60	0.40	15,739	214.33	0.16
13.70	0.38	15,821	214.34	0.16
13.80	0.37	15,898	214.35	0.16
13.90	0.36	15,971	214.35	0.16
14.00	0.35	16,040	214.36	0.16
14.10	0.34	16,105	214.36	0.16
14.20	0.33	16,165	214.37	0.17
14.30	0.32	16,221	214.37	0.17
14.40	0.30	16,273	214.37	0.17
14.50	0.29	16,320	214.38	0.17
14.60	0.28	16,364	214.38	0.17
14.70	0.27	16,402	214.38	0.17
14.80	0.26	16,437	214.39	0.17
14.90	0.25	16,467	214.39	0.17
15.00	0.23	16,493	214.39	0.17
15.10	0.22	16,515	214.39	0.17
15.20	0.22	16,535	214.39	0.17
15.30	0.22	16,553	214.39	0.17
15.40	0.21	16,570	214.40	0.17
15.50	0.21	16,586	214.40	0.17

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	16,601	214.40	0.17
15.70	0.20	16,615	214.40	0.17
15.80	0.20	16,627	214.40	0.17
15.90	0.20	16,639	214.40	0.17
16.00	0.20	16,649	214.40	0.17
16.10	0.19	16,658	214.40	0.17
16.20	0.19	16,667	214.40	0.17
16.30	0.19	16,673	214.40	0.17
16.40	0.18	16,679	214.40	0.17
16.50	0.18	16,684	214.40	0.17
16.60	0.18	16,687	214.40	0.17
16.70	0.17	16,690	214.40	0.17
16.80	0.17	**16,691**	**214.40**	**0.17**
16.90	0.17	**16,691**	**214.40**	**0.17**
17.00	0.16	16,691	214.40	0.17
17.10	0.16	16,689	214.40	0.17
17.20	0.16	16,685	214.40	0.17
17.30	0.15	16,681	214.40	0.17
17.40	0.15	16,676	214.40	0.17
17.50	0.15	16,669	214.40	0.17
17.60	0.15	16,661	214.40	0.17
17.70	0.14	16,653	214.40	0.17
17.80	0.14	16,643	214.40	0.17
17.90	0.14	16,632	214.40	0.17
18.00	0.13	16,620	214.40	0.17
18.10	0.13	16,607	214.40	0.17
18.20	0.13	16,593	214.40	0.17
18.30	0.13	16,579	214.40	0.17
18.40	0.13	16,564	214.40	0.17
18.50	0.13	16,550	214.39	0.17
18.60	0.13	16,535	214.39	0.17
18.70	0.13	16,520	214.39	0.17
18.80	0.12	16,505	214.39	0.17
18.90	0.12	16,489	214.39	0.17
19.00	0.12	16,473	214.39	0.17
19.10	0.12	16,457	214.39	0.17
19.20	0.12	16,441	214.39	0.17
19.30	0.12	16,425	214.38	0.17
19.40	0.12	16,408	214.38	0.17
19.50	0.12	16,391	214.38	0.17
19.60	0.12	16,374	214.38	0.17
19.70	0.12	16,356	214.38	0.17
19.80	0.12	16,338	214.38	0.17
19.90	0.12	16,321	214.38	0.17
20.00	0.12	16,302	214.38	0.17
20.10	0.11	16,284	214.37	0.17
20.20	0.11	16,265	214.37	0.17
20.30	0.11	16,246	214.37	0.17
20.40	0.11	16,227	214.37	0.17
20.50	0.11	16,208	214.37	0.17
20.60	0.11	16,188	214.37	0.17
20.70	0.11	16,168	214.37	0.17

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	16,148	214.36	0.16
20.90	0.11	16,128	214.36	0.16
21.00	0.11	16,107	214.36	0.16
21.10	0.11	16,086	214.36	0.16
21.20	0.11	16,065	214.36	0.16
21.30	0.11	16,044	214.36	0.16
21.40	0.10	16,023	214.36	0.16
21.50	0.10	16,001	214.35	0.16
21.60	0.10	15,979	214.35	0.16
21.70	0.10	15,956	214.35	0.16
21.80	0.10	15,934	214.35	0.16
21.90	0.10	15,911	214.35	0.16
22.00	0.10	15,888	214.35	0.16
22.10	0.10	15,865	214.34	0.16
22.20	0.10	15,842	214.34	0.16
22.30	0.10	15,818	214.34	0.16
22.40	0.10	15,794	214.34	0.16
22.50	0.10	15,770	214.34	0.16
22.60	0.10	15,746	214.34	0.16
22.70	0.09	15,721	214.33	0.16
22.80	0.09	15,696	214.33	0.16
22.90	0.09	15,671	214.33	0.16
23.00	0.09	15,646	214.33	0.16
23.10	0.09	15,621	214.33	0.16
23.20	0.09	15,595	214.32	0.16
23.30	0.09	15,569	214.32	0.16
23.40	0.09	15,543	214.32	0.16
23.50	0.09	15,516	214.32	0.16
23.60	0.09	15,490	214.32	0.16
23.70	0.09	15,463	214.31	0.16
23.80	0.08	15,436	214.31	0.16
23.90	0.09	15,408	214.31	0.16
24.00	0.09	15,385	214.31	0.16
24.10	0.01	15,341	214.31	0.16
24.20	0.00	15,284	214.30	0.16
24.30	0.00	15,227	214.30	0.16
24.40	0.00	15,170	214.29	0.16
24.50	0.00	15,112	214.29	0.16
24.60	0.00	15,055	214.28	0.16
24.70	0.00	14,998	214.28	0.16
24.80	0.00	14,942	214.28	0.16
24.90	0.00	14,885	214.27	0.16
25.00	0.00	14,829	214.27	0.16
25.10	0.00	14,772	214.26	0.16
25.20	0.00	14,716	214.26	0.16
25.30	0.00	14,660	214.25	0.16
25.40	0.00	14,604	214.25	0.16
25.50	0.00	14,548	214.25	0.16
25.60	0.00	14,492	214.24	0.15
25.70	0.00	14,436	214.24	0.15
25.80	0.00	14,381	214.23	0.15
25.90	0.00	14,326	214.23	0.15

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	14,270	214.23	0.15
26.10	0.00	14,215	214.22	0.15
26.20	0.00	14,160	214.22	0.15
26.30	0.00	14,106	214.21	0.15
26.40	0.00	14,051	214.21	0.15
26.50	0.00	13,996	214.20	0.15
26.60	0.00	13,942	214.20	0.15
26.70	0.00	13,888	214.20	0.15
26.80	0.00	13,833	214.19	0.15
26.90	0.00	13,779	214.19	0.15
27.00	0.00	13,725	214.18	0.15
27.10	0.00	13,672	214.18	0.15
27.20	0.00	13,618	214.18	0.15
27.30	0.00	13,564	214.17	0.15
27.40	0.00	13,511	214.17	0.15
27.50	0.00	13,458	214.16	0.15
27.60	0.00	13,405	214.16	0.15
27.70	0.00	13,352	214.16	0.15
27.80	0.00	13,299	214.15	0.15
27.90	0.00	13,246	214.15	0.15
28.00	0.00	13,194	214.14	0.15
28.10	0.00	13,141	214.14	0.15
28.20	0.00	13,089	214.14	0.15
28.30	0.00	13,037	214.13	0.14
28.40	0.00	12,985	214.13	0.14
28.50	0.00	12,933	214.12	0.14
28.60	0.00	12,881	214.12	0.14
28.70	0.00	12,829	214.12	0.14
28.80	0.00	12,778	214.11	0.14
28.90	0.00	12,726	214.11	0.14
29.00	0.00	12,675	214.10	0.14
29.10	0.00	12,624	214.10	0.14
29.20	0.00	12,573	214.10	0.14
29.30	0.00	12,522	214.09	0.14
29.40	0.00	12,472	214.09	0.14
29.50	0.00	12,421	214.08	0.14
29.60	0.00	12,371	214.08	0.14
29.70	0.00	12,320	214.08	0.14
29.80	0.00	12,270	214.07	0.14
29.90	0.00	12,220	214.07	0.14
30.00	0.00	12,170	214.07	0.14
30.10	0.00	12,121	214.06	0.14
30.20	0.00	12,071	214.06	0.14
30.30	0.00	12,021	214.05	0.14
30.40	0.00	11,972	214.05	0.14
30.50	0.00	11,923	214.05	0.14
30.60	0.00	11,874	214.04	0.14
30.70	0.00	11,825	214.04	0.14
30.80	0.00	11,776	214.03	0.14
30.90	0.00	11,727	214.03	0.13
31.00	0.00	11,679	214.03	0.13
31.10	0.00	11,631	214.02	0.13

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	11,582	214.02	0.13
31.30	0.00	11,534	214.02	0.13
31.40	0.00	11,486	214.01	0.13
31.50	0.00	11,438	214.01	0.13
31.60	0.00	11,391	214.00	0.13
31.70	0.00	11,343	214.00	0.13
31.80	0.00	11,296	214.00	0.13
31.90	0.00	11,248	213.99	0.13
32.00	0.00	11,201	213.99	0.13
32.10	0.00	11,154	213.99	0.13
32.20	0.00	11,107	213.98	0.13
32.30	0.00	11,061	213.98	0.13
32.40	0.00	11,014	213.97	0.13
32.50	0.00	10,967	213.97	0.13
32.60	0.00	10,921	213.97	0.13
32.70	0.00	10,875	213.96	0.13
32.80	0.00	10,829	213.96	0.13
32.90	0.00	10,783	213.96	0.13
33.00	0.00	10,737	213.95	0.13
33.10	0.00	10,692	213.95	0.13
33.20	0.00	10,646	213.95	0.13
33.30	0.00	10,601	213.94	0.13
33.40	0.00	10,556	213.94	0.13
33.50	0.00	10,511	213.93	0.13
33.60	0.00	10,466	213.93	0.12
33.70	0.00	10,421	213.93	0.12
33.80	0.00	10,376	213.92	0.12
33.90	0.00	10,332	213.92	0.12
34.00	0.00	10,287	213.92	0.12
34.10	0.00	10,243	213.91	0.12
34.20	0.00	10,199	213.91	0.12
34.30	0.00	10,155	213.91	0.12
34.40	0.00	10,111	213.90	0.12
34.50	0.00	10,068	213.90	0.12
34.60	0.00	10,024	213.90	0.12
34.70	0.00	9,981	213.89	0.12
34.80	0.00	9,937	213.89	0.12
34.90	0.00	9,894	213.88	0.12
35.00	0.00	9,851	213.88	0.12
35.10	0.00	9,808	213.88	0.12
35.20	0.00	9,766	213.87	0.12
35.30	0.00	9,723	213.87	0.12
35.40	0.00	9,681	213.87	0.12
35.50	0.00	9,639	213.86	0.12
35.60	0.00	9,596	213.86	0.12
35.70	0.00	9,555	213.86	0.12
35.80	0.00	9,513	213.85	0.12
35.90	0.00	9,471	213.85	0.12
36.00	0.00	9,429	213.85	0.12
36.10	0.00	9,388	213.84	0.11
36.20	0.00	9,347	213.84	0.11
36.30	0.00	9,306	213.84	0.11

Hydrograph for Pond B-3: Basin #3 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	9,265	213.83	0.11
36.50	0.00	9,224	213.83	0.11
36.60	0.00	9,183	213.83	0.11
36.70	0.00	9,143	213.82	0.11
36.80	0.00	9,102	213.82	0.11
36.90	0.00	9,062	213.82	0.11
37.00	0.00	9,022	213.81	0.11
37.10	0.00	8,982	213.81	0.11
37.20	0.00	8,942	213.81	0.11
37.30	0.00	8,902	213.80	0.11
37.40	0.00	8,863	213.80	0.11
37.50	0.00	8,823	213.80	0.11
37.60	0.00	8,784	213.79	0.11
37.70	0.00	8,745	213.79	0.11
37.80	0.00	8,706	213.79	0.11
37.90	0.00	8,667	213.78	0.11
38.00	0.00	8,629	213.78	0.11
38.10	0.00	8,590	213.78	0.11
38.20	0.00	8,552	213.77	0.11
38.30	0.00	8,513	213.77	0.11
38.40	0.00	8,475	213.77	0.11
38.50	0.00	8,437	213.77	0.11
38.60	0.00	8,399	213.76	0.10
38.70	0.00	8,362	213.76	0.10
38.80	0.00	8,324	213.76	0.10
38.90	0.00	8,287	213.75	0.10
39.00	0.00	8,250	213.75	0.10
39.10	0.00	8,213	213.75	0.10
39.20	0.00	8,176	213.74	0.10
39.30	0.00	8,139	213.74	0.10
39.40	0.00	8,102	213.74	0.10
39.50	0.00	8,066	213.73	0.10
39.60	0.00	8,029	213.73	0.10
39.70	0.00	7,993	213.73	0.10
39.80	0.00	7,957	213.73	0.10
39.90	0.00	7,921	213.72	0.10
40.00	0.00	7,885	213.72	0.10

Stage-Discharge for Pond B-3: Basin #3

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
213.00	0.00	213.52	0.07	214.04	0.14	214.56	0.18
213.01	0.00	213.53	0.07	214.05	0.14	214.57	0.18
213.02	0.00	213.54	0.07	214.06	0.14	214.58	0.18
213.03	0.00	213.55	0.07	214.07	0.14	214.59	0.18
213.04	0.00	213.56	0.07	214.08	0.14	214.60	0.18
213.05	0.00	213.57	0.08	214.09	0.14	214.61	0.18
213.06	0.00	213.58	0.08	214.10	0.14	214.62	0.18
213.07	0.00	213.59	0.08	214.11	0.14	214.63	0.19
213.08	0.00	213.60	0.08	214.12	0.14	214.64	0.19
213.09	0.00	213.61	0.08	214.13	0.14	214.65	0.19
213.10	0.00	213.62	0.08	214.14	0.15	214.66	0.19
213.11	0.00	213.63	0.09	214.15	0.15	214.67	0.19
213.12	0.00	213.64	0.09	214.16	0.15	214.68	0.19
213.13	0.00	213.65	0.09	214.17	0.15	214.69	0.19
213.14	0.00	213.66	0.09	214.18	0.15	214.70	0.19
213.15	0.00	213.67	0.09	214.19	0.15	214.71	0.19
213.16	0.00	213.68	0.09	214.20	0.15	214.72	0.19
213.17	0.00	213.69	0.10	214.21	0.15	214.73	0.19
213.18	0.00	213.70	0.10	214.22	0.15	214.74	0.19
213.19	0.00	213.71	0.10	214.23	0.15	214.75	0.19
213.20	0.00	213.72	0.10	214.24	0.15	214.76	0.19
213.21	0.00	213.73	0.10	214.25	0.16	214.77	0.20
213.22	0.00	213.74	0.10	214.26	0.16	214.78	0.20
213.23	0.00	213.75	0.10	214.27	0.16	214.79	0.20
213.24	0.00	213.76	0.10	214.28	0.16	214.80	0.20
213.25	0.00	213.77	0.11	214.29	0.16	214.81	0.20
213.26	0.00	213.78	0.11	214.30	0.16	214.82	0.20
213.27	0.00	213.79	0.11	214.31	0.16	214.83	0.20
213.28	0.00	213.80	0.11	214.32	0.16	214.84	0.20
213.29	0.00	213.81	0.11	214.33	0.16	214.85	0.20
213.30	0.00	213.82	0.11	214.34	0.16	214.86	0.20
213.31	0.01	213.83	0.11	214.35	0.16	214.87	0.20
213.32	0.01	213.84	0.11	214.36	0.16	214.88	0.20
213.33	0.01	213.85	0.12	214.37	0.17	214.89	0.20
213.34	0.01	213.86	0.12	214.38	0.17	214.90	0.20
213.35	0.02	213.87	0.12	214.39	0.17	214.91	0.20
213.36	0.02	213.88	0.12	214.40	0.17	214.92	0.21
213.37	0.02	213.89	0.12	214.41	0.17	214.93	0.21
213.38	0.03	213.90	0.12	214.42	0.17	214.94	0.21
213.39	0.03	213.91	0.12	214.43	0.17	214.95	0.21
213.40	0.03	213.92	0.12	214.44	0.17	214.96	0.21
213.41	0.04	213.93	0.12	214.45	0.17	214.97	0.21
213.42	0.04	213.94	0.13	214.46	0.17	214.98	0.21
213.43	0.05	213.95	0.13	214.47	0.17	214.99	0.21
213.44	0.05	213.96	0.13	214.48	0.17	215.00	0.21
213.45	0.05	213.97	0.13	214.49	0.17	215.01	0.21
213.46	0.05	213.98	0.13	214.50	0.18	215.02	0.21
213.47	0.06	213.99	0.13	214.51	0.18	215.03	0.21
213.48	0.06	214.00	0.13	214.52	0.18	215.04	0.21
213.49	0.06	214.01	0.13	214.53	0.18	215.05	0.21
213.50	0.06	214.02	0.13	214.54	0.18	215.06	0.21
213.51	0.06	214.03	0.13	214.55	0.18	215.07	0.22

Stage-Discharge for Pond B-3: Basin #3 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
215.08	0.22	215.60	0.66	216.12	6.46	216.64	15.31
215.09	0.22	215.61	0.72	216.13	6.61	216.65	15.50
215.10	0.22	215.62	0.79	216.14	6.76	216.66	15.69
215.11	0.22	215.63	0.86	216.15	6.91	216.67	15.88
215.12	0.22	215.64	0.93	216.16	7.06	216.68	16.08
215.13	0.22	215.65	1.00	216.17	7.21	216.69	16.23
215.14	0.22	215.66	1.08	216.18	7.36	216.70	16.26
215.15	0.22	215.67	1.16	216.19	7.51	216.71	16.40
215.16	0.22	215.68	1.24	216.20	7.67	216.72	16.63
215.17	0.22	215.69	1.32	216.21	7.82	216.73	16.93
215.18	0.22	215.70	1.41	216.22	7.98	216.74	17.28
215.19	0.22	215.71	1.50	216.23	8.14	216.75	**17.68**
215.20	0.22	215.72	1.59	216.24	8.30		
215.21	0.22	215.73	1.68	216.25	8.46		
215.22	0.22	215.74	1.77	216.26	8.62		
215.23	0.22	215.75	1.87	216.27	8.78		
215.24	0.23	215.76	1.97	216.28	8.94		
215.25	0.23	215.77	2.07	216.29	9.10		
215.26	0.23	215.78	2.17	216.30	9.27		
215.27	0.23	215.79	2.27	216.31	9.43		
215.28	0.23	215.80	2.37	216.32	9.60		
215.29	0.23	215.81	2.48	216.33	9.76		
215.30	0.23	215.82	2.59	216.34	9.93		
215.31	0.23	215.83	2.70	216.35	10.10		
215.32	0.23	215.84	2.81	216.36	10.27		
215.33	0.23	215.85	2.92	216.37	10.44		
215.34	0.23	215.86	3.03	216.38	10.61		
215.35	0.23	215.87	3.15	216.39	10.78		
215.36	0.23	215.88	3.27	216.40	10.95		
215.37	0.23	215.89	3.38	216.41	11.12		
215.38	0.23	215.90	3.50	216.42	11.30		
215.39	0.23	215.91	3.63	216.43	11.47		
215.40	0.23	215.92	3.75	216.44	11.65		
215.41	0.24	215.93	3.87	216.45	11.82		
215.42	0.24	215.94	4.00	216.46	12.00		
215.43	0.24	215.95	4.12	216.47	12.18		
215.44	0.24	215.96	4.25	216.48	12.36		
215.45	0.24	215.97	4.38	216.49	12.54		
215.46	0.24	215.98	4.51	216.50	12.72		
215.47	0.24	215.99	4.64	216.51	12.90		
215.48	0.24	216.00	4.78	216.52	13.08		
215.49	0.24	216.01	4.91	216.53	13.26		
215.50	0.24	216.02	5.05	216.54	13.44		
215.51	0.25	216.03	5.18	216.55	13.63		
215.52	0.28	216.04	5.32	216.56	13.81		
215.53	0.31	216.05	5.46	216.57	14.00		
215.54	0.35	216.06	5.60	216.58	14.18		
215.55	0.39	216.07	5.74	216.59	14.37		
215.56	0.44	216.08	5.88	216.60	14.56		
215.57	0.49	216.09	6.02	216.61	14.74		
215.58	0.54	216.10	6.17	216.62	14.93		
215.59	0.60	216.11	6.31	216.63	15.12		

Stage-Area-Storage for Pond B-3: Basin #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
213.00	9,992	0	213.52	11,392	5,560
213.01	10,019	100	213.53	11,419	5,674
213.02	10,046	200	213.54	11,446	5,788
213.03	10,073	301	213.55	11,473	5,903
213.04	10,100	402	213.56	11,500	6,018
213.05	10,127	503	213.57	11,527	6,133
213.06	10,154	604	213.58	11,554	6,248
213.07	10,181	706	213.59	11,581	6,364
213.08	10,207	808	213.60	11,608	6,480
213.09	10,234	910	213.61	11,635	6,596
213.10	10,261	1,013	213.62	11,662	6,713
213.11	10,288	1,115	213.63	11,689	6,829
213.12	10,315	1,218	213.64	11,716	6,946
213.13	10,342	1,322	213.65	11,742	7,064
213.14	10,369	1,425	213.66	11,769	7,181
213.15	10,396	1,529	213.67	11,796	7,299
213.16	10,423	1,633	213.68	11,823	7,417
213.17	10,450	1,738	213.69	11,850	7,536
213.18	10,477	1,842	213.70	11,877	7,654
213.19	10,504	1,947	213.71	11,904	7,773
213.20	10,531	2,052	213.72	11,931	7,892
213.21	10,558	2,158	213.73	11,958	8,012
213.22	10,584	2,263	213.74	11,985	8,131
213.23	10,611	2,369	213.75	12,012	8,251
213.24	10,638	2,476	213.76	12,039	8,372
213.25	10,665	2,582	213.77	12,066	8,492
213.26	10,692	2,689	213.78	12,093	8,613
213.27	10,719	2,796	213.79	12,119	8,734
213.28	10,746	2,903	213.80	12,146	8,855
213.29	10,773	3,011	213.81	12,173	8,977
213.30	10,800	3,119	213.82	12,200	9,099
213.31	10,827	3,227	213.83	12,227	9,221
213.32	10,854	3,335	213.84	12,254	9,343
213.33	10,881	3,444	213.85	12,281	9,466
213.34	10,908	3,553	213.86	12,308	9,589
213.35	10,935	3,662	213.87	12,335	9,712
213.36	10,961	3,772	213.88	12,362	9,836
213.37	10,988	3,881	213.89	12,389	9,959
213.38	11,015	3,991	213.90	12,416	10,083
213.39	11,042	4,102	213.91	12,443	10,208
213.40	11,069	4,212	213.92	12,470	10,332
213.41	11,096	4,323	213.93	12,496	10,457
213.42	11,123	4,434	213.94	12,523	10,582
213.43	11,150	4,546	213.95	12,550	10,708
213.44	11,177	4,657	213.96	12,577	10,833
213.45	11,204	4,769	213.97	12,604	10,959
213.46	11,231	4,881	213.98	12,631	11,085
213.47	11,258	4,994	213.99	12,658	11,212
213.48	11,285	5,106	214.00	12,685	11,339
213.49	11,312	5,219	214.01	12,712	11,465
213.50	11,339	5,333	214.02	12,740	11,593
213.51	11,365	5,446	214.03	12,768	11,720

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
214.04	12,795	11,848	214.56	14,225	18,873
214.05	12,823	11,976	214.57	14,252	19,016
214.06	12,850	12,105	214.58	14,280	19,158
214.07	12,877	12,233	214.59	14,308	19,301
214.08	12,905	12,362	214.60	14,335	19,444
214.09	12,933	12,491	214.61	14,363	19,588
214.10	12,960	12,621	214.62	14,390	19,732
214.11	12,988	12,750	214.63	14,417	19,876
214.12	13,015	12,881	214.64	14,445	20,020
214.13	13,042	13,011	214.65	14,473	20,165
214.14	13,070	13,141	214.66	14,500	20,310
214.15	13,098	13,272	214.67	14,527	20,455
214.16	13,125	13,403	214.68	14,555	20,600
214.17	13,152	13,535	214.69	14,582	20,746
214.18	13,180	13,666	214.70	14,610	20,892
214.19	13,207	13,798	214.71	14,638	21,038
214.20	13,235	13,930	214.72	14,665	21,184
214.21	13,263	14,063	214.73	14,692	21,331
214.22	13,290	14,196	214.74	14,720	21,478
214.23	13,317	14,329	214.75	14,748	21,626
214.24	13,345	14,462	214.76	14,775	21,773
214.25	13,373	14,596	214.77	14,803	21,921
214.26	13,400	14,730	214.78	14,830	22,069
214.27	13,428	14,864	214.79	14,857	22,218
214.28	13,455	14,998	214.80	14,885	22,367
214.29	13,482	15,133	214.81	14,913	22,515
214.30	13,510	15,268	214.82	14,940	22,665
214.31	13,538	15,403	214.83	14,968	22,814
214.32	13,565	15,538	214.84	14,995	22,964
214.33	13,593	15,674	214.85	15,022	23,114
214.34	13,620	15,810	214.86	15,050	23,265
214.35	13,647	15,947	214.87	15,078	23,415
214.36	13,675	16,083	214.88	15,105	23,566
214.37	13,703	16,220	214.89	15,132	23,717
214.38	13,730	16,357	214.90	15,160	23,869
214.39	13,757	16,495	214.91	15,187	24,020
214.40	13,785	16,633	214.92	15,215	24,172
214.41	13,812	16,770	214.93	15,243	24,325
214.42	13,840	16,909	214.94	15,270	24,477
214.43	13,868	17,047	214.95	15,297	24,630
214.44	13,895	17,186	214.96	15,325	24,783
214.45	13,922	17,325	214.97	15,352	24,937
214.46	13,950	17,465	214.98	15,380	25,090
214.47	13,977	17,604	214.99	15,408	25,244
214.48	14,005	17,744	215.00	15,435	25,399
214.49	14,033	17,884	215.01	15,463	25,553
214.50	14,060	18,025	215.02	15,491	25,708
214.51	14,087	18,165	215.03	15,519	25,863
214.52	14,115	18,307	215.04	15,547	26,018
214.53	14,143	18,448	215.05	15,575	26,174
214.54	14,170	18,589	215.06	15,603	26,330
214.55	14,198	18,731	215.07	15,631	26,486

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
215.08	15,659	26,642
215.09	15,688	26,799
215.10	15,716	26,956
215.11	15,744	27,113
215.12	15,772	27,271
215.13	15,800	27,429
215.14	15,828	27,587
215.15	15,856	27,745
215.16	15,884	27,904
215.17	15,912	28,063
215.18	15,940	28,222
215.19	15,968	28,382
215.20	15,996	28,542
215.21	16,024	28,702
215.22	16,052	28,862
215.23	16,080	29,023
215.24	16,108	29,184
215.25	16,137	29,345
215.26	16,165	29,506
215.27	16,193	29,668
215.28	16,221	29,830
215.29	16,249	29,993
215.30	16,277	30,155
215.31	16,305	30,318
215.32	16,333	30,481
215.33	16,361	30,645
215.34	16,389	30,809
215.35	16,417	30,973
215.36	16,445	31,137
215.37	16,473	31,302
215.38	16,501	31,466
215.39	16,529	31,632
215.40	16,557	31,797
215.41	16,585	31,963
215.42	16,614	32,129
215.43	16,642	32,295
215.44	16,670	32,462
215.45	16,698	32,628
215.46	16,726	32,795
215.47	16,754	32,963
215.48	16,782	33,131
215.49	16,810	33,299
215.50	16,838	33,467
215.51	16,866	33,635
215.52	16,894	33,804
215.53	16,922	33,973
215.54	16,950	34,143
215.55	16,978	34,312
215.56	17,006	34,482
215.57	17,034	34,652
215.58	17,062	34,823
215.59	17,091	34,994
215.60	17,119	35,165
215.61	17,147	35,336
215.62	17,175	35,508
215.63	17,203	35,679
215.64	17,231	35,852
215.65	17,259	36,024
215.66	17,287	36,197
215.67	17,315	36,370
215.68	17,343	36,543
215.69	17,371	36,717
215.70	17,399	36,890
215.71	17,427	37,065
215.72	17,455	37,239
215.73	17,483	37,414
215.74	17,511	37,589
215.75	17,540	37,764
215.76	17,568	37,939
215.77	17,596	38,115
215.78	17,624	38,291
215.79	17,652	38,468
215.80	17,680	38,644
215.81	17,708	38,821
215.82	17,736	38,999
215.83	17,764	39,176
215.84	17,792	39,354
215.85	17,820	39,532
215.86	17,848	39,710
215.87	17,876	39,889
215.88	17,904	40,068
215.89	17,932	40,247
215.90	17,960	40,426
215.91	17,988	40,606
215.92	18,017	40,786
215.93	18,045	40,967
215.94	18,073	41,147
215.95	18,101	41,328
215.96	18,129	41,509
215.97	18,157	41,691
215.98	18,185	41,872
215.99	18,213	42,054
216.00	18,241	42,237
216.01	18,279	42,419
216.02	18,317	42,602
216.03	18,356	42,785
216.04	18,394	42,969
216.05	18,432	43,153
216.06	18,470	43,338
216.07	18,508	43,523
216.08	18,546	43,708
216.09	18,585	43,894
216.10	18,623	44,080
216.11	18,661	44,266

Stage-Area-Storage for Pond B-3: Basin #3 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
216.12	18,699	44,453
216.13	18,737	44,640
216.14	18,775	44,828
216.15	18,814	45,016
216.16	18,852	45,204
216.17	18,890	45,393
216.18	18,928	45,582
216.19	18,966	45,771
216.20	19,004	45,961
216.21	19,043	46,151
216.22	19,081	46,342
216.23	19,119	46,533
216.24	19,157	46,724
216.25	19,195	46,916
216.26	19,234	47,108
216.27	19,272	47,301
216.28	19,310	47,494
216.29	19,348	47,687
216.30	19,386	47,881
216.31	19,424	48,075
216.32	19,463	48,269
216.33	19,501	48,464
216.34	19,539	48,659
216.35	19,577	48,855
216.36	19,615	49,051
216.37	19,653	49,247
216.38	19,692	49,444
216.39	19,730	49,641
216.40	19,768	49,838
216.41	19,806	50,036
216.42	19,844	50,234
216.43	19,882	50,433
216.44	19,921	50,632
216.45	19,959	50,831
216.46	19,997	51,031
216.47	20,035	51,231
216.48	20,073	51,432
216.49	20,111	51,633
216.50	20,150	51,834
216.51	20,188	52,036
216.52	20,226	52,238
216.53	20,264	52,440
216.54	20,302	52,643
216.55	20,341	52,846
216.56	20,379	53,050
216.57	20,417	53,254
216.58	20,455	53,458
216.59	20,493	53,663
216.60	20,531	53,868
216.61	20,570	54,074
216.62	20,608	54,280
216.63	20,646	54,486
216.64	20,684	54,693
216.65	20,722	54,900
216.66	20,760	55,107
216.67	20,799	55,315
216.68	20,837	55,523
216.69	20,875	55,732
216.70	20,913	55,940
216.71	20,951	56,150
216.72	20,989	56,359
216.73	21,028	56,570
216.74	21,066	56,780
216.75	**21,104**	**56,991**

Summary for Pond B-4A: Basin #4A

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 3.97" for Future 10 yr event
Inflow = 11.61 cfs @ 12.10 hrs, Volume= 0.770 af
Outflow = 8.23 cfs @ 12.16 hrs, Volume= 0.687 af, Atten= 29%, Lag= 3.9 min
Primary = 8.23 cfs @ 12.16 hrs, Volume= 0.687 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.75' @ 12.16 hrs Surf.Area= 5,384 sf Storage= 8,111 cf

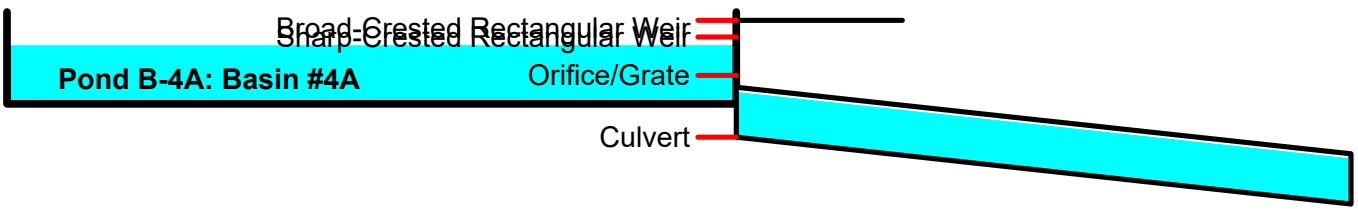
Plug-Flow detention time= 110.8 min calculated for 0.687 af (89% of inflow)
Center-of-Mass det. time= 55.5 min (842.1 - 786.5)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	13,855 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

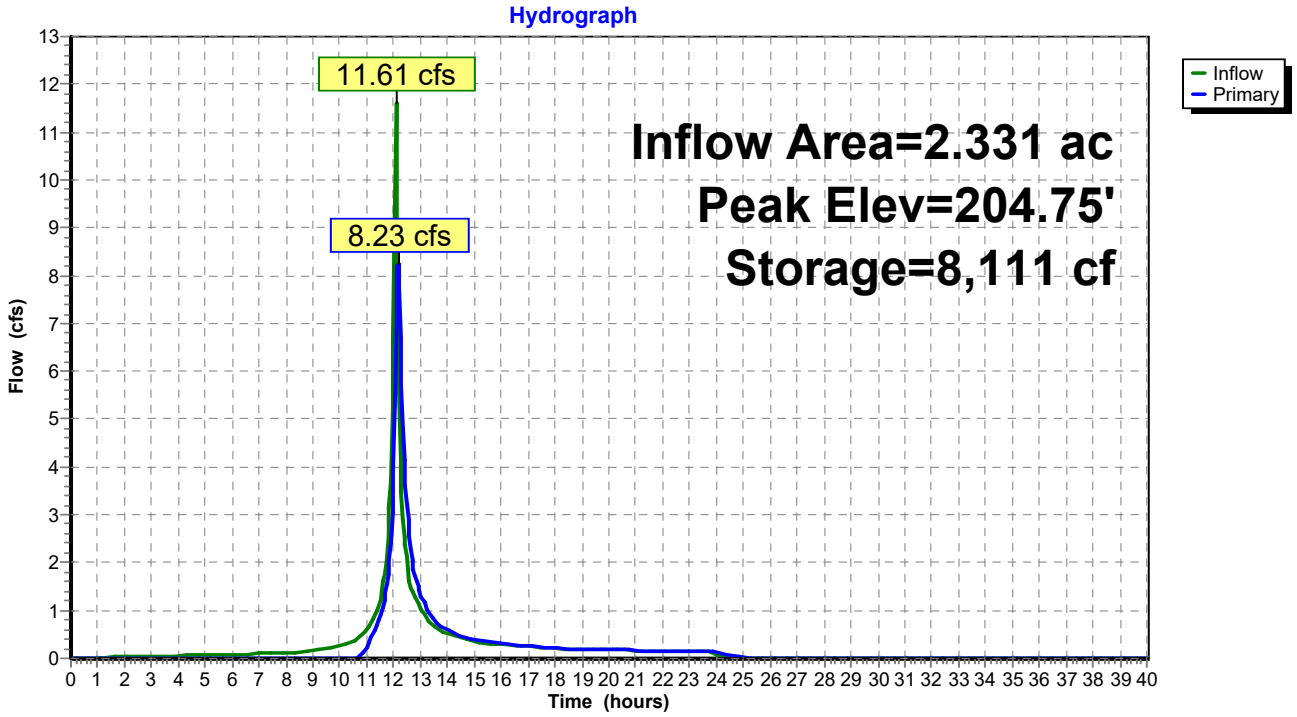
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	3,912	0	0
204.00	4,724	4,318	4,318
205.00	5,604	5,164	9,482
205.75	6,057	4,373	13,855

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 37.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0541 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.85'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=8.10 cfs @ 12.16 hrs HW=204.74' (Free Discharge)
- **1=Culvert** (Passes 8.10 cfs of 9.00 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 8.10 cfs @ 3.03 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4A: Basin #4A



Hydrograph for Pond B-4A: Basin #4A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.01	2	203.00	0.00
1.00	0.01	4	203.00	0.00
1.10	0.01	8	203.00	0.00
1.20	0.01	12	203.00	0.00
1.30	0.02	18	203.00	0.00
1.40	0.02	24	203.01	0.00
1.50	0.02	31	203.01	0.00
1.60	0.02	39	203.01	0.00
1.70	0.02	48	203.01	0.00
1.80	0.03	57	203.01	0.00
1.90	0.03	67	203.02	0.00
2.00	0.03	78	203.02	0.00
2.10	0.03	89	203.02	0.00
2.20	0.03	101	203.03	0.00
2.30	0.04	113	203.03	0.00
2.40	0.04	126	203.03	0.00
2.50	0.04	140	203.04	0.00
2.60	0.04	154	203.04	0.00
2.70	0.04	168	203.04	0.00
2.80	0.04	183	203.05	0.00
2.90	0.04	199	203.05	0.00
3.00	0.04	215	203.05	0.00
3.10	0.05	231	203.06	0.00
3.20	0.05	248	203.06	0.00
3.30	0.05	265	203.07	0.00
3.40	0.05	283	203.07	0.00
3.50	0.05	301	203.08	0.00
3.60	0.05	319	203.08	0.00
3.70	0.05	338	203.09	0.00
3.80	0.05	357	203.09	0.00
3.90	0.05	377	203.10	0.00
4.00	0.06	397	203.10	0.00
4.10	0.06	417	203.11	0.00
4.20	0.06	438	203.11	0.00
4.30	0.06	459	203.12	0.00
4.40	0.06	480	203.12	0.00
4.50	0.06	501	203.13	0.00
4.60	0.06	523	203.13	0.00
4.70	0.06	545	203.14	0.00
4.80	0.06	568	203.14	0.00
4.90	0.06	591	203.15	0.00
5.00	0.06	614	203.15	0.00
5.10	0.07	637	203.16	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	661	203.17	0.00
5.30	0.07	685	203.17	0.00
5.40	0.07	709	203.18	0.00
5.50	0.07	733	203.18	0.00
5.60	0.07	758	203.19	0.00
5.70	0.07	783	203.20	0.00
5.80	0.07	808	203.20	0.00
5.90	0.07	834	203.21	0.00
6.00	0.07	860	203.21	0.00
6.10	0.07	886	203.22	0.00
6.20	0.08	913	203.23	0.00
6.30	0.08	940	203.23	0.00
6.40	0.08	969	203.24	0.00
6.50	0.08	998	203.25	0.00
6.60	0.08	1,028	203.26	0.00
6.70	0.09	1,058	203.26	0.00
6.80	0.09	1,090	203.27	0.00
6.90	0.09	1,122	203.28	0.00
7.00	0.09	1,155	203.29	0.00
7.10	0.09	1,189	203.29	0.00
7.20	0.10	1,223	203.30	0.00
7.30	0.10	1,258	203.31	0.00
7.40	0.10	1,294	203.32	0.00
7.50	0.10	1,331	203.33	0.00
7.60	0.10	1,368	203.34	0.00
7.70	0.11	1,406	203.35	0.00
7.80	0.11	1,445	203.36	0.00
7.90	0.11	1,485	203.37	0.00
8.00	0.11	1,526	203.38	0.00
8.10	0.12	1,567	203.39	0.00
8.20	0.12	1,609	203.40	0.00
8.30	0.12	1,653	203.41	0.00
8.40	0.13	1,698	203.42	0.00
8.50	0.13	1,745	203.43	0.00
8.60	0.14	1,793	203.44	0.00
8.70	0.14	1,843	203.45	0.00
8.80	0.14	1,894	203.46	0.00
8.90	0.15	1,947	203.47	0.00
9.00	0.15	2,001	203.49	0.00
9.10	0.16	2,057	203.50	0.00
9.20	0.17	2,118	203.51	0.00
9.30	0.18	2,182	203.53	0.00
9.40	0.20	2,250	203.54	0.00
9.50	0.21	2,322	203.56	0.00
9.60	0.22	2,399	203.58	0.00
9.70	0.23	2,481	203.60	0.00
9.80	0.24	2,566	203.62	0.00
9.90	0.26	2,657	203.64	0.00
10.00	0.27	2,753	203.66	0.00
10.10	0.29	2,853	203.68	0.00
10.20	0.30	2,958	203.70	0.00
10.30	0.31	3,069	203.73	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.33	3,185	203.76	0.00
10.50	0.35	3,307	203.78	0.00
10.60	0.39	3,438	203.81	0.00
10.70	0.43	3,586	203.84	0.00
10.80	0.48	3,744	203.88	0.04
10.90	0.53	3,893	203.91	0.14
11.00	0.59	4,024	203.94	0.25
11.10	0.67	4,141	203.96	0.36
11.20	0.77	4,249	203.99	0.48
11.30	0.87	4,351	204.01	0.60
11.40	0.98	4,448	204.03	0.72
11.50	1.08	4,538	204.05	0.84
11.60	1.63	4,690	204.08	1.05
11.70	1.87	4,891	204.12	1.35
11.80	2.56	5,135	204.17	1.75
11.90	3.71	5,524	204.25	2.43
12.00	6.61	6,274	204.40	3.92
12.10	**11.59**	**7,662**	**204.67**	**7.10**
12.20	5.57	**7,929**	**204.72**	**7.77**
12.30	3.49	7,074	204.55	5.70
12.40	2.53	6,381	204.42	4.15
12.50	2.31	5,933	204.33	3.22
12.60	1.60	5,590	204.26	2.56
12.70	1.42	5,307	204.21	2.04
12.80	1.30	5,121	204.17	1.72
12.90	1.18	4,987	204.14	1.50
13.00	1.06	4,879	204.12	1.33
13.10	0.94	4,783	204.10	1.19
13.20	0.87	4,701	204.08	1.07
13.30	0.80	4,634	204.07	0.97
13.40	0.73	4,574	204.05	0.89
13.50	0.67	4,519	204.04	0.81
13.60	0.60	4,466	204.03	0.74
13.70	0.58	4,421	204.02	0.69
13.80	0.56	4,387	204.01	0.64
13.90	0.54	4,360	204.01	0.61
14.00	0.53	4,338	204.00	0.58
14.10	0.51	4,318	204.00	0.56
14.20	0.49	4,301	204.00	0.54
14.30	0.48	4,284	203.99	0.52
14.40	0.46	4,268	203.99	0.50
14.50	0.44	4,252	203.99	0.48
14.60	0.42	4,236	203.98	0.47
14.70	0.41	4,220	203.98	0.45
14.80	0.39	4,204	203.98	0.43
14.90	0.37	4,188	203.97	0.41
15.00	0.35	4,172	203.97	0.40
15.10	0.34	4,156	203.97	0.38
15.20	0.33	4,142	203.96	0.36
15.30	0.32	4,131	203.96	0.35
15.40	0.32	4,121	203.96	0.34
15.50	0.32	4,113	203.96	0.34

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	4,106	203.96	0.33
15.70	0.31	4,100	203.95	0.32
15.80	0.30	4,094	203.95	0.32
15.90	0.30	4,089	203.95	0.31
16.00	0.29	4,083	203.95	0.31
16.10	0.29	4,078	203.95	0.30
16.20	0.28	4,073	203.95	0.30
16.30	0.28	4,068	203.95	0.29
16.40	0.27	4,063	203.95	0.29
16.50	0.27	4,058	203.94	0.28
16.60	0.27	4,054	203.94	0.28
16.70	0.26	4,049	203.94	0.27
16.80	0.26	4,044	203.94	0.27
16.90	0.25	4,039	203.94	0.26
17.00	0.25	4,034	203.94	0.26
17.10	0.24	4,030	203.94	0.26
17.20	0.24	4,025	203.94	0.25
17.30	0.23	4,020	203.94	0.25
17.40	0.23	4,015	203.94	0.24
17.50	0.22	4,010	203.93	0.24
17.60	0.22	4,005	203.93	0.23
17.70	0.21	4,000	203.93	0.23
17.80	0.21	3,995	203.93	0.22
17.90	0.20	3,989	203.93	0.22
18.00	0.20	3,984	203.93	0.21
18.10	0.19	3,978	203.93	0.21
18.20	0.19	3,973	203.93	0.21
18.30	0.19	3,969	203.93	0.20
18.40	0.19	3,965	203.92	0.20
18.50	0.19	3,962	203.92	0.20
18.60	0.19	3,960	203.92	0.19
18.70	0.19	3,958	203.92	0.19
18.80	0.19	3,956	203.92	0.19
18.90	0.18	3,954	203.92	0.19
19.00	0.18	3,952	203.92	0.19
19.10	0.18	3,950	203.92	0.19
19.20	0.18	3,949	203.92	0.19
19.30	0.18	3,947	203.92	0.18
19.40	0.18	3,946	203.92	0.18
19.50	0.18	3,944	203.92	0.18
19.60	0.18	3,943	203.92	0.18
19.70	0.18	3,941	203.92	0.18
19.80	0.18	3,940	203.92	0.18
19.90	0.17	3,939	203.92	0.18
20.00	0.17	3,937	203.92	0.18
20.10	0.17	3,936	203.92	0.18
20.20	0.17	3,934	203.92	0.17
20.30	0.17	3,933	203.92	0.17
20.40	0.17	3,931	203.92	0.17
20.50	0.17	3,930	203.92	0.17
20.60	0.17	3,929	203.92	0.17
20.70	0.16	3,927	203.92	0.17

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	3,926	203.92	0.17
20.90	0.16	3,924	203.92	0.17
21.00	0.16	3,923	203.92	0.16
21.10	0.16	3,921	203.92	0.16
21.20	0.16	3,920	203.92	0.16
21.30	0.16	3,919	203.91	0.16
21.40	0.16	3,917	203.91	0.16
21.50	0.15	3,916	203.91	0.16
21.60	0.15	3,914	203.91	0.16
21.70	0.15	3,913	203.91	0.16
21.80	0.15	3,912	203.91	0.16
21.90	0.15	3,910	203.91	0.15
22.00	0.15	3,909	203.91	0.15
22.10	0.15	3,907	203.91	0.15
22.20	0.15	3,906	203.91	0.15
22.30	0.15	3,905	203.91	0.15
22.40	0.14	3,903	203.91	0.15
22.50	0.14	3,902	203.91	0.15
22.60	0.14	3,900	203.91	0.15
22.70	0.14	3,899	203.91	0.14
22.80	0.14	3,897	203.91	0.14
22.90	0.14	3,896	203.91	0.14
23.00	0.14	3,894	203.91	0.14
23.10	0.14	3,893	203.91	0.14
23.20	0.13	3,892	203.91	0.14
23.30	0.13	3,890	203.91	0.14
23.40	0.13	3,889	203.91	0.14
23.50	0.13	3,887	203.91	0.14
23.60	0.13	3,886	203.91	0.13
23.70	0.13	3,884	203.91	0.13
23.80	0.13	3,883	203.91	0.13
23.90	0.13	3,881	203.91	0.13
24.00	0.15	3,884	203.91	0.13
24.10	0.02	3,867	203.90	0.12
24.20	0.00	3,830	203.90	0.10
24.30	0.00	3,799	203.89	0.08
24.40	0.00	3,774	203.88	0.06
24.50	0.00	3,754	203.88	0.05
24.60	0.00	3,738	203.88	0.04
24.70	0.00	3,724	203.87	0.04
24.80	0.00	3,711	203.87	0.03
24.90	0.00	3,700	203.87	0.03
25.00	0.00	3,691	203.87	0.02
25.10	0.00	3,682	203.86	0.02
25.20	0.00	3,675	203.86	0.02
25.30	0.00	3,669	203.86	0.02
25.40	0.00	3,664	203.86	0.01
25.50	0.00	3,659	203.86	0.01
25.60	0.00	3,655	203.86	0.01
25.70	0.00	3,651	203.86	0.01
25.80	0.00	3,648	203.86	0.01
25.90	0.00	3,645	203.86	0.01

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,643	203.86	0.01
26.10	0.00	3,641	203.85	0.01
26.20	0.00	3,639	203.85	0.00
26.30	0.00	3,637	203.85	0.00
26.40	0.00	3,636	203.85	0.00
26.50	0.00	3,635	203.85	0.00
26.60	0.00	3,634	203.85	0.00
26.70	0.00	3,633	203.85	0.00
26.80	0.00	3,632	203.85	0.00
26.90	0.00	3,631	203.85	0.00
27.00	0.00	3,631	203.85	0.00
27.10	0.00	3,630	203.85	0.00
27.20	0.00	3,630	203.85	0.00
27.30	0.00	3,630	203.85	0.00
27.40	0.00	3,629	203.85	0.00
27.50	0.00	3,629	203.85	0.00
27.60	0.00	3,628	203.85	0.00
27.70	0.00	3,628	203.85	0.00
27.80	0.00	3,628	203.85	0.00
27.90	0.00	3,627	203.85	0.00
28.00	0.00	3,627	203.85	0.00
28.10	0.00	3,627	203.85	0.00
28.20	0.00	3,626	203.85	0.00
28.30	0.00	3,626	203.85	0.00
28.40	0.00	3,626	203.85	0.00
28.50	0.00	3,626	203.85	0.00
28.60	0.00	3,625	203.85	0.00
28.70	0.00	3,625	203.85	0.00
28.80	0.00	3,625	203.85	0.00
28.90	0.00	3,625	203.85	0.00
29.00	0.00	3,624	203.85	0.00
29.10	0.00	3,624	203.85	0.00
29.20	0.00	3,624	203.85	0.00
29.30	0.00	3,624	203.85	0.00
29.40	0.00	3,624	203.85	0.00
29.50	0.00	3,623	203.85	0.00
29.60	0.00	3,623	203.85	0.00
29.70	0.00	3,623	203.85	0.00
29.80	0.00	3,623	203.85	0.00
29.90	0.00	3,623	203.85	0.00
30.00	0.00	3,623	203.85	0.00
30.10	0.00	3,622	203.85	0.00
30.20	0.00	3,622	203.85	0.00
30.30	0.00	3,622	203.85	0.00
30.40	0.00	3,622	203.85	0.00
30.50	0.00	3,622	203.85	0.00
30.60	0.00	3,622	203.85	0.00
30.70	0.00	3,622	203.85	0.00
30.80	0.00	3,621	203.85	0.00
30.90	0.00	3,621	203.85	0.00
31.00	0.00	3,621	203.85	0.00
31.10	0.00	3,621	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,621	203.85	0.00
31.30	0.00	3,621	203.85	0.00
31.40	0.00	3,621	203.85	0.00
31.50	0.00	3,621	203.85	0.00
31.60	0.00	3,621	203.85	0.00
31.70	0.00	3,621	203.85	0.00
31.80	0.00	3,621	203.85	0.00
31.90	0.00	3,620	203.85	0.00
32.00	0.00	3,620	203.85	0.00
32.10	0.00	3,620	203.85	0.00
32.20	0.00	3,620	203.85	0.00
32.30	0.00	3,620	203.85	0.00
32.40	0.00	3,620	203.85	0.00
32.50	0.00	3,620	203.85	0.00
32.60	0.00	3,620	203.85	0.00
32.70	0.00	3,620	203.85	0.00
32.80	0.00	3,620	203.85	0.00
32.90	0.00	3,620	203.85	0.00
33.00	0.00	3,620	203.85	0.00
33.10	0.00	3,620	203.85	0.00
33.20	0.00	3,620	203.85	0.00
33.30	0.00	3,620	203.85	0.00
33.40	0.00	3,620	203.85	0.00
33.50	0.00	3,620	203.85	0.00
33.60	0.00	3,620	203.85	0.00
33.70	0.00	3,620	203.85	0.00
33.80	0.00	3,619	203.85	0.00
33.90	0.00	3,619	203.85	0.00
34.00	0.00	3,619	203.85	0.00
34.10	0.00	3,619	203.85	0.00
34.20	0.00	3,619	203.85	0.00
34.30	0.00	3,619	203.85	0.00
34.40	0.00	3,619	203.85	0.00
34.50	0.00	3,619	203.85	0.00
34.60	0.00	3,619	203.85	0.00
34.70	0.00	3,619	203.85	0.00
34.80	0.00	3,619	203.85	0.00
34.90	0.00	3,619	203.85	0.00
35.00	0.00	3,619	203.85	0.00
35.10	0.00	3,619	203.85	0.00
35.20	0.00	3,619	203.85	0.00
35.30	0.00	3,619	203.85	0.00
35.40	0.00	3,619	203.85	0.00
35.50	0.00	3,619	203.85	0.00
35.60	0.00	3,619	203.85	0.00
35.70	0.00	3,619	203.85	0.00
35.80	0.00	3,619	203.85	0.00
35.90	0.00	3,619	203.85	0.00
36.00	0.00	3,619	203.85	0.00
36.10	0.00	3,619	203.85	0.00
36.20	0.00	3,619	203.85	0.00
36.30	0.00	3,619	203.85	0.00

Hydrograph for Pond B-4A: Basin #4A (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,619	203.85	0.00
36.50	0.00	3,619	203.85	0.00
36.60	0.00	3,619	203.85	0.00
36.70	0.00	3,619	203.85	0.00
36.80	0.00	3,619	203.85	0.00
36.90	0.00	3,619	203.85	0.00
37.00	0.00	3,619	203.85	0.00
37.10	0.00	3,619	203.85	0.00
37.20	0.00	3,619	203.85	0.00
37.30	0.00	3,619	203.85	0.00
37.40	0.00	3,619	203.85	0.00
37.50	0.00	3,619	203.85	0.00
37.60	0.00	3,619	203.85	0.00
37.70	0.00	3,619	203.85	0.00
37.80	0.00	3,619	203.85	0.00
37.90	0.00	3,619	203.85	0.00
38.00	0.00	3,619	203.85	0.00
38.10	0.00	3,619	203.85	0.00
38.20	0.00	3,619	203.85	0.00
38.30	0.00	3,619	203.85	0.00
38.40	0.00	3,619	203.85	0.00
38.50	0.00	3,619	203.85	0.00
38.60	0.00	3,619	203.85	0.00
38.70	0.00	3,619	203.85	0.00
38.80	0.00	3,619	203.85	0.00
38.90	0.00	3,619	203.85	0.00
39.00	0.00	3,619	203.85	0.00
39.10	0.00	3,619	203.85	0.00
39.20	0.00	3,619	203.85	0.00
39.30	0.00	3,619	203.85	0.00
39.40	0.00	3,619	203.85	0.00
39.50	0.00	3,619	203.85	0.00
39.60	0.00	3,619	203.85	0.00
39.70	0.00	3,619	203.85	0.00
39.80	0.00	3,619	203.85	0.00
39.90	0.00	3,619	203.85	0.00
40.00	0.00	3,619	203.85	0.00

Stage-Discharge for Pond B-4A: Basin #4A

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	0.80	204.56	5.76
203.01	0.00	203.53	0.00	204.05	0.86	204.57	5.88
203.02	0.00	203.54	0.00	204.06	0.93	204.58	6.01
203.03	0.00	203.55	0.00	204.07	0.99	204.59	6.13
203.04	0.00	203.56	0.00	204.08	1.06	204.60	6.25
203.05	0.00	203.57	0.00	204.09	1.13	204.61	6.38
203.06	0.00	203.58	0.00	204.10	1.20	204.62	6.51
203.07	0.00	203.59	0.00	204.11	1.28	204.63	6.63
203.08	0.00	203.60	0.00	204.12	1.35	204.64	6.76
203.09	0.00	203.61	0.00	204.13	1.43	204.65	6.89
203.10	0.00	203.62	0.00	204.14	1.50	204.66	7.02
203.11	0.00	203.63	0.00	204.15	1.58	204.67	7.15
203.12	0.00	203.64	0.00	204.16	1.66	204.68	7.28
203.13	0.00	203.65	0.00	204.17	1.74	204.69	7.41
203.14	0.00	203.66	0.00	204.18	1.83	204.70	7.55
203.15	0.00	203.67	0.00	204.19	1.91	204.71	7.68
203.16	0.00	203.68	0.00	204.20	1.99	204.72	7.81
203.17	0.00	203.69	0.00	204.21	2.08	204.73	7.95
203.18	0.00	203.70	0.00	204.22	2.17	204.74	8.09
203.19	0.00	203.71	0.00	204.23	2.26	204.75	8.22
203.20	0.00	203.72	0.00	204.24	2.35	204.76	8.36
203.21	0.00	203.73	0.00	204.25	2.44	204.77	8.50
203.22	0.00	203.74	0.00	204.26	2.53	204.78	8.64
203.23	0.00	203.75	0.00	204.27	2.62	204.79	8.78
203.24	0.00	203.76	0.00	204.28	2.72	204.80	8.92
203.25	0.00	203.77	0.00	204.29	2.81	204.81	9.06
203.26	0.00	203.78	0.00	204.30	2.91	204.82	9.18
203.27	0.00	203.79	0.00	204.31	3.00	204.83	9.20
203.28	0.00	203.80	0.00	204.32	3.10	204.84	9.23
203.29	0.00	203.81	0.00	204.33	3.20	204.85	9.25
203.30	0.00	203.82	0.00	204.34	3.30	204.86	9.27
203.31	0.00	203.83	0.00	204.35	3.40	204.87	9.29
203.32	0.00	203.84	0.00	204.36	3.51	204.88	9.31
203.33	0.00	203.85	0.00	204.37	3.61	204.89	9.34
203.34	0.00	203.86	0.01	204.38	3.72	204.90	9.36
203.35	0.00	203.87	0.03	204.39	3.82	204.91	9.38
203.36	0.00	203.88	0.05	204.40	3.93	204.92	9.40
203.37	0.00	203.89	0.08	204.41	4.04	204.93	9.42
203.38	0.00	203.90	0.11	204.42	4.14	204.94	9.44
203.39	0.00	203.91	0.14	204.43	4.25	204.95	9.47
203.40	0.00	203.92	0.18	204.44	4.36	204.96	9.49
203.41	0.00	203.93	0.22	204.45	4.48	204.97	9.51
203.42	0.00	203.94	0.26	204.46	4.59	204.98	9.53
203.43	0.00	203.95	0.30	204.47	4.70	204.99	9.55
203.44	0.00	203.96	0.35	204.48	4.82	205.00	9.57
203.45	0.00	203.97	0.40	204.49	4.93	205.01	9.59
203.46	0.00	203.98	0.45	204.50	5.05	205.02	9.61
203.47	0.00	203.99	0.50	204.51	5.16	205.03	9.64
203.48	0.00	204.00	0.56	204.52	5.28	205.04	9.66
203.49	0.00	204.01	0.62	204.53	5.40	205.05	9.68
203.50	0.00	204.02	0.67	204.54	5.52	205.06	9.70
203.51	0.00	204.03	0.74	204.55	5.64	205.07	9.72

Stage-Discharge for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4A: Basin #4A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	3,912	0	203.52	4,334	2,144
203.01	3,920	39	203.53	4,342	2,187
203.02	3,928	78	203.54	4,350	2,231
203.03	3,936	118	203.55	4,359	2,274
203.04	3,944	157	203.56	4,367	2,318
203.05	3,953	197	203.57	4,375	2,362
203.06	3,961	236	203.58	4,383	2,406
203.07	3,969	276	203.59	4,391	2,449
203.08	3,977	316	203.60	4,399	2,493
203.09	3,985	355	203.61	4,407	2,537
203.10	3,993	395	203.62	4,415	2,582
203.11	4,001	435	203.63	4,424	2,626
203.12	4,009	475	203.64	4,432	2,670
203.13	4,018	515	203.65	4,440	2,714
203.14	4,026	556	203.66	4,448	2,759
203.15	4,034	596	203.67	4,456	2,803
203.16	4,042	636	203.68	4,464	2,848
203.17	4,050	677	203.69	4,472	2,893
203.18	4,058	717	203.70	4,480	2,937
203.19	4,066	758	203.71	4,489	2,982
203.20	4,074	799	203.72	4,497	3,027
203.21	4,083	839	203.73	4,505	3,072
203.22	4,091	880	203.74	4,513	3,117
203.23	4,099	921	203.75	4,521	3,162
203.24	4,107	962	203.76	4,529	3,208
203.25	4,115	1,003	203.77	4,537	3,253
203.26	4,123	1,045	203.78	4,545	3,298
203.27	4,131	1,086	203.79	4,553	3,344
203.28	4,139	1,127	203.80	4,562	3,389
203.29	4,147	1,169	203.81	4,570	3,435
203.30	4,156	1,210	203.82	4,578	3,481
203.31	4,164	1,252	203.83	4,586	3,527
203.32	4,172	1,293	203.84	4,594	3,573
203.33	4,180	1,335	203.85	4,602	3,619
203.34	4,188	1,377	203.86	4,610	3,665
203.35	4,196	1,419	203.87	4,618	3,711
203.36	4,204	1,461	203.88	4,627	3,757
203.37	4,212	1,503	203.89	4,635	3,803
203.38	4,221	1,545	203.90	4,643	3,850
203.39	4,229	1,587	203.91	4,651	3,896
203.40	4,237	1,630	203.92	4,659	3,943
203.41	4,245	1,672	203.93	4,667	3,989
203.42	4,253	1,715	203.94	4,675	4,036
203.43	4,261	1,757	203.95	4,683	4,083
203.44	4,269	1,800	203.96	4,692	4,130
203.45	4,277	1,843	203.97	4,700	4,177
203.46	4,286	1,885	203.98	4,708	4,224
203.47	4,294	1,928	203.99	4,716	4,271
203.48	4,302	1,971	204.00	4,724	4,318
203.49	4,310	2,014	204.01	4,733	4,365
203.50	4,318	2,058	204.02	4,742	4,413
203.51	4,326	2,101	204.03	4,750	4,460

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	4,759	4,508	204.56	5,217	7,101
204.05	4,768	4,555	204.57	5,226	7,154
204.06	4,777	4,603	204.58	5,234	7,206
204.07	4,786	4,651	204.59	5,243	7,258
204.08	4,794	4,699	204.60	5,252	7,311
204.09	4,803	4,747	204.61	5,261	7,363
204.10	4,812	4,795	204.62	5,270	7,416
204.11	4,821	4,843	204.63	5,278	7,469
204.12	4,830	4,891	204.64	5,287	7,522
204.13	4,838	4,940	204.65	5,296	7,575
204.14	4,847	4,988	204.66	5,305	7,628
204.15	4,856	5,037	204.67	5,314	7,681
204.16	4,865	5,085	204.68	5,322	7,734
204.17	4,874	5,134	204.69	5,331	7,787
204.18	4,882	5,183	204.70	5,340	7,840
204.19	4,891	5,231	204.71	5,349	7,894
204.20	4,900	5,280	204.72	5,358	7,947
204.21	4,909	5,329	204.73	5,366	8,001
204.22	4,918	5,379	204.74	5,375	8,055
204.23	4,926	5,428	204.75	5,384	8,109
204.24	4,935	5,477	204.76	5,393	8,162
204.25	4,944	5,527	204.77	5,402	8,216
204.26	4,953	5,576	204.78	5,410	8,270
204.27	4,962	5,626	204.79	5,419	8,325
204.28	4,970	5,675	204.80	5,428	8,379
204.29	4,979	5,725	204.81	5,437	8,433
204.30	4,988	5,775	204.82	5,446	8,488
204.31	4,997	5,825	204.83	5,454	8,542
204.32	5,006	5,875	204.84	5,463	8,597
204.33	5,014	5,925	204.85	5,472	8,651
204.34	5,023	5,975	204.86	5,481	8,706
204.35	5,032	6,025	204.87	5,490	8,761
204.36	5,041	6,076	204.88	5,498	8,816
204.37	5,050	6,126	204.89	5,507	8,871
204.38	5,058	6,177	204.90	5,516	8,926
204.39	5,067	6,227	204.91	5,525	8,981
204.40	5,076	6,278	204.92	5,534	9,036
204.41	5,085	6,329	204.93	5,542	9,092
204.42	5,094	6,380	204.94	5,551	9,147
204.43	5,102	6,431	204.95	5,560	9,203
204.44	5,111	6,482	204.96	5,569	9,259
204.45	5,120	6,533	204.97	5,578	9,314
204.46	5,129	6,584	204.98	5,586	9,370
204.47	5,138	6,635	204.99	5,595	9,426
204.48	5,146	6,687	205.00	5,604	9,482
204.49	5,155	6,738	205.01	5,610	9,538
204.50	5,164	6,790	205.02	5,616	9,594
204.51	5,173	6,842	205.03	5,622	9,650
204.52	5,182	6,893	205.04	5,628	9,707
204.53	5,190	6,945	205.05	5,634	9,763
204.54	5,199	6,997	205.06	5,640	9,819
204.55	5,208	7,049	205.07	5,646	9,876

Stage-Area-Storage for Pond B-4A: Basin #4A (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	5,652	9,932
205.09	5,658	9,989
205.10	5,664	10,045
205.11	5,670	10,102
205.12	5,676	10,159
205.13	5,683	10,216
205.14	5,689	10,272
205.15	5,695	10,329
205.16	5,701	10,386
205.17	5,707	10,443
205.18	5,713	10,501
205.19	5,719	10,558
205.20	5,725	10,615
205.21	5,731	10,672
205.22	5,737	10,729
205.23	5,743	10,787
205.24	5,749	10,844
205.25	5,755	10,902
205.26	5,761	10,959
205.27	5,767	11,017
205.28	5,773	11,075
205.29	5,779	11,133
205.30	5,785	11,190
205.31	5,791	11,248
205.32	5,797	11,306
205.33	5,803	11,364
205.34	5,809	11,422
205.35	5,815	11,480
205.36	5,821	11,539
205.37	5,827	11,597
205.38	5,834	11,655
205.39	5,840	11,713
205.40	5,846	11,772
205.41	5,852	11,830
205.42	5,858	11,889
205.43	5,864	11,948
205.44	5,870	12,006
205.45	5,876	12,065
205.46	5,882	12,124
205.47	5,888	12,183
205.48	5,894	12,242
205.49	5,900	12,300
205.50	5,906	12,360
205.51	5,912	12,419
205.52	5,918	12,478
205.53	5,924	12,537
205.54	5,930	12,596
205.55	5,936	12,656
205.56	5,942	12,715
205.57	5,948	12,774
205.58	5,954	12,834
205.59	5,960	12,893
205.60	5,966	12,953
205.61	5,972	13,013
205.62	5,978	13,073
205.63	5,985	13,132
205.64	5,991	13,192
205.65	5,997	13,252
205.66	6,003	13,312
205.67	6,009	13,372
205.68	6,015	13,432
205.69	6,021	13,493
205.70	6,027	13,553
205.71	6,033	13,613
205.72	6,039	13,673
205.73	6,045	13,734
205.74	6,051	13,794
205.75	**6,057**	**13,855**

Summary for Pond B-4B: Basin #4B

Inflow Area = 2.331 ac, 36.89% Impervious, Inflow Depth = 3.97" for Future 10 yr event
Inflow = 11.14 cfs @ 12.11 hrs, Volume= 0.770 af
Outflow = 7.81 cfs @ 12.19 hrs, Volume= 0.686 af, Atten= 30%, Lag= 4.4 min
Primary = 7.81 cfs @ 12.19 hrs, Volume= 0.686 af
Routed to Pond B-5 : Basin #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.65' @ 12.19 hrs Surf.Area= 6,008 sf Storage= 8,466 cf

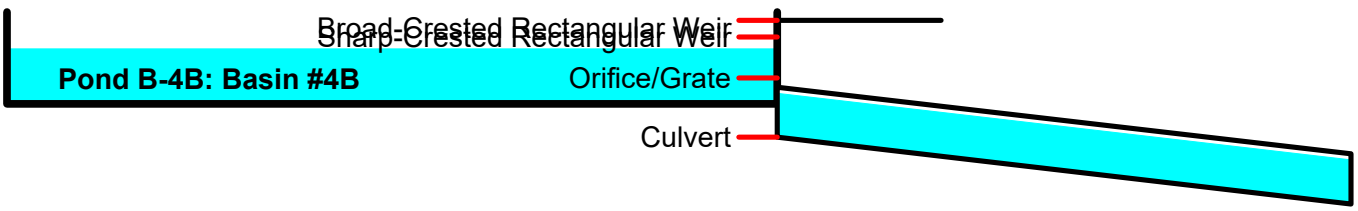
Plug-Flow detention time= 112.4 min calculated for 0.686 af (89% of inflow)
Center-of-Mass det. time= 57.7 min (845.2 - 787.5)

Volume	Invert	Avail.Storage	Storage Description
#1	203.00'	15,634 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

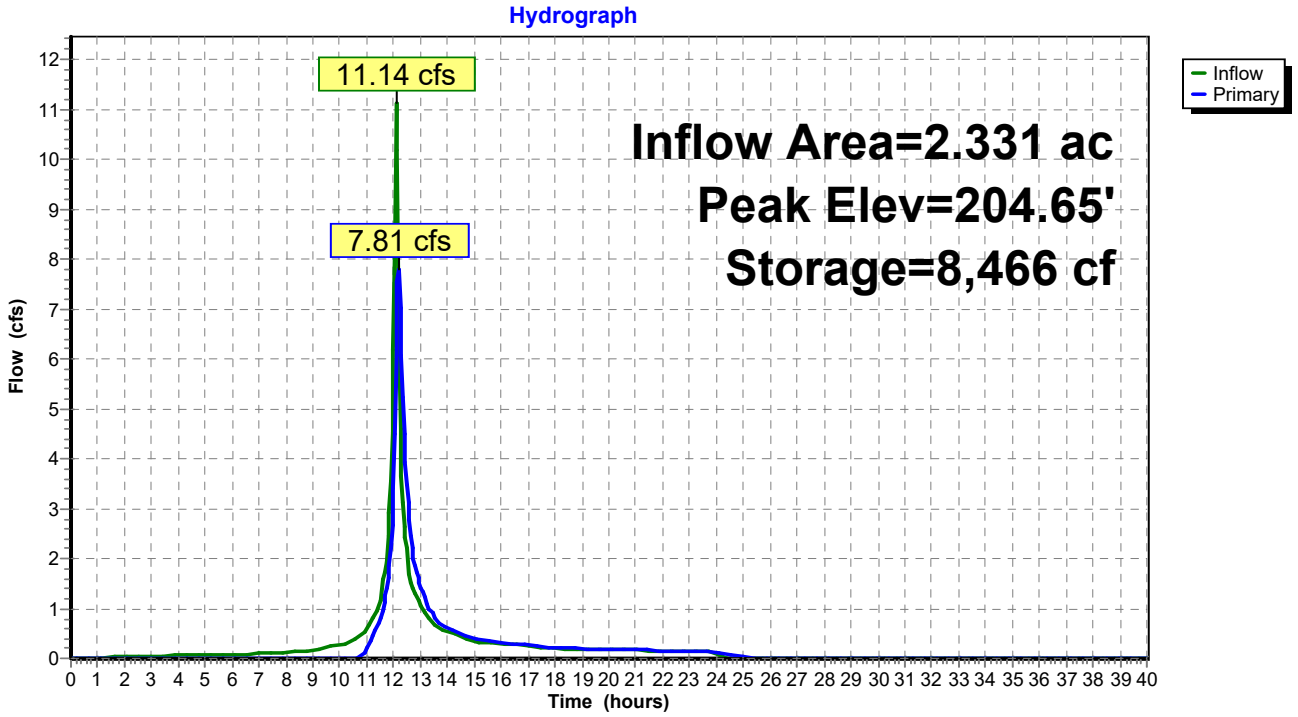
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.00	4,292	0	0
204.00	5,294	4,793	4,793
205.00	6,393	5,844	10,637
205.75	6,934	4,998	15,634

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**18.0" Round Culvert** L= 35.0' Ke= 1.000 Inlet / Outlet Invert= 202.00' / 200.00' S= 0.0571 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 1.77 sf
#2	Device 1	203.78'	**36.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.50'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=7.72 cfs @ 12.19 hrs HW=204.64' (Free Discharge)
- **1=Culvert** (Passes 7.72 cfs of 8.78 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 7.72 cfs @ 2.98 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-4B: Basin #4B



Hydrograph for Pond B-4B: Basin #4B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	203.00	0.00
0.10	0.00	0	203.00	0.00
0.20	0.00	0	203.00	0.00
0.30	0.00	0	203.00	0.00
0.40	0.00	0	203.00	0.00
0.50	0.00	0	203.00	0.00
0.60	0.00	0	203.00	0.00
0.70	0.00	0	203.00	0.00
0.80	0.00	0	203.00	0.00
0.90	0.01	2	203.00	0.00
1.00	0.01	4	203.00	0.00
1.10	0.01	8	203.00	0.00
1.20	0.01	12	203.00	0.00
1.30	0.02	18	203.00	0.00
1.40	0.02	24	203.01	0.00
1.50	0.02	31	203.01	0.00
1.60	0.02	39	203.01	0.00
1.70	0.02	48	203.01	0.00
1.80	0.03	57	203.01	0.00
1.90	0.03	67	203.02	0.00
2.00	0.03	78	203.02	0.00
2.10	0.03	89	203.02	0.00
2.20	0.03	101	203.02	0.00
2.30	0.04	113	203.03	0.00
2.40	0.04	126	203.03	0.00
2.50	0.04	140	203.03	0.00
2.60	0.04	154	203.04	0.00
2.70	0.04	168	203.04	0.00
2.80	0.04	183	203.04	0.00
2.90	0.04	199	203.05	0.00
3.00	0.04	215	203.05	0.00
3.10	0.05	231	203.05	0.00
3.20	0.05	248	203.06	0.00
3.30	0.05	265	203.06	0.00
3.40	0.05	283	203.07	0.00
3.50	0.05	301	203.07	0.00
3.60	0.05	319	203.07	0.00
3.70	0.05	338	203.08	0.00
3.80	0.05	357	203.08	0.00
3.90	0.05	377	203.09	0.00
4.00	0.06	397	203.09	0.00
4.10	0.06	417	203.10	0.00
4.20	0.06	438	203.10	0.00
4.30	0.06	459	203.11	0.00
4.40	0.06	480	203.11	0.00
4.50	0.06	501	203.12	0.00
4.60	0.06	523	203.12	0.00
4.70	0.06	545	203.13	0.00
4.80	0.06	568	203.13	0.00
4.90	0.06	591	203.14	0.00
5.00	0.06	614	203.14	0.00
5.10	0.07	637	203.15	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	661	203.15	0.00
5.30	0.07	685	203.16	0.00
5.40	0.07	709	203.16	0.00
5.50	0.07	733	203.17	0.00
5.60	0.07	758	203.17	0.00
5.70	0.07	783	203.18	0.00
5.80	0.07	808	203.18	0.00
5.90	0.07	834	203.19	0.00
6.00	0.07	860	203.20	0.00
6.10	0.07	886	203.20	0.00
6.20	0.08	913	203.21	0.00
6.30	0.08	940	203.21	0.00
6.40	0.08	969	203.22	0.00
6.50	0.08	998	203.23	0.00
6.60	0.08	1,028	203.23	0.00
6.70	0.09	1,058	203.24	0.00
6.80	0.09	1,090	203.25	0.00
6.90	0.09	1,122	203.25	0.00
7.00	0.09	1,155	203.26	0.00
7.10	0.09	1,189	203.27	0.00
7.20	0.10	1,223	203.28	0.00
7.30	0.10	1,258	203.28	0.00
7.40	0.10	1,294	203.29	0.00
7.50	0.10	1,331	203.30	0.00
7.60	0.10	1,368	203.31	0.00
7.70	0.11	1,406	203.32	0.00
7.80	0.11	1,445	203.32	0.00
7.90	0.11	1,485	203.33	0.00
8.00	0.11	1,526	203.34	0.00
8.10	0.12	1,567	203.35	0.00
8.20	0.12	1,609	203.36	0.00
8.30	0.12	1,653	203.37	0.00
8.40	0.13	1,698	203.38	0.00
8.50	0.13	1,744	203.39	0.00
8.60	0.14	1,792	203.40	0.00
8.70	0.14	1,841	203.41	0.00
8.80	0.14	1,892	203.42	0.00
8.90	0.15	1,945	203.43	0.00
9.00	0.15	1,999	203.44	0.00
9.10	0.16	2,055	203.45	0.00
9.20	0.17	2,115	203.47	0.00
9.30	0.18	2,178	203.48	0.00
9.40	0.19	2,246	203.49	0.00
9.50	0.21	2,318	203.51	0.00
9.60	0.22	2,394	203.53	0.00
9.70	0.23	2,475	203.54	0.00
9.80	0.24	2,560	203.56	0.00
9.90	0.26	2,650	203.58	0.00
10.00	0.27	2,745	203.60	0.00
10.10	0.28	2,845	203.62	0.00
10.20	0.30	2,949	203.64	0.00
10.30	0.31	3,059	203.66	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.33	3,174	203.68	0.00
10.50	0.34	3,295	203.71	0.00
10.60	0.38	3,425	203.73	0.00
10.70	0.43	3,570	203.76	0.00
10.80	0.48	3,730	203.80	0.02
10.90	0.53	3,889	203.83	0.10
11.00	0.58	4,035	203.85	0.20
11.10	0.66	4,166	203.88	0.31
11.20	0.76	4,290	203.90	0.42
11.30	0.86	4,407	203.93	0.54
11.40	0.97	4,518	203.95	0.66
11.50	1.06	4,622	203.97	0.78
11.60	1.57	4,770	204.00	0.96
11.70	1.83	4,988	204.04	1.25
11.80	2.46	5,234	204.08	1.60
11.90	3.54	5,619	204.15	2.20
12.00	6.18	6,322	204.28	3.41
12.10	**10.99**	7,663	204.51	6.06
12.20	6.32	**8,450**	**204.65**	**7.78**
12.30	3.65	7,669	204.52	6.08
12.40	2.62	6,903	204.38	4.51
12.50	2.33	6,360	204.29	3.48
12.60	1.68	5,973	204.22	2.79
12.70	1.43	5,630	204.16	2.22
12.80	1.31	5,397	204.11	1.85
12.90	1.19	5,231	204.08	1.60
13.00	1.07	5,100	204.06	1.41
13.10	0.95	4,987	204.04	1.25
13.20	0.87	4,889	204.02	1.12
13.30	0.81	4,809	204.00	1.01
13.40	0.74	4,739	203.99	0.93
13.50	0.68	4,676	203.98	0.85
13.60	0.61	4,615	203.97	0.78
13.70	0.58	4,562	203.96	0.71
13.80	0.56	4,520	203.95	0.67
13.90	0.55	4,487	203.94	0.63
14.00	0.53	4,460	203.94	0.60
14.10	0.51	4,437	203.93	0.57
14.20	0.49	4,416	203.93	0.55
14.30	0.48	4,396	203.92	0.53
14.40	0.46	4,378	203.92	0.51
14.50	0.44	4,360	203.92	0.49
14.60	0.43	4,342	203.91	0.47
14.70	0.41	4,325	203.91	0.46
14.80	0.39	4,307	203.91	0.44
14.90	0.37	4,290	203.90	0.42
15.00	0.35	4,272	203.90	0.41
15.10	0.34	4,254	203.90	0.39
15.20	0.33	4,238	203.89	0.37
15.30	0.32	4,224	203.89	0.36
15.40	0.32	4,213	203.89	0.35
15.50	0.32	4,203	203.89	0.34

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	4,195	203.89	0.33
15.70	0.31	4,188	203.88	0.33
15.80	0.30	4,181	203.88	0.32
15.90	0.30	4,175	203.88	0.31
16.00	0.29	4,170	203.88	0.31
16.10	0.29	4,164	203.88	0.30
16.20	0.28	4,159	203.88	0.30
16.30	0.28	4,153	203.88	0.30
16.40	0.28	4,148	203.88	0.29
16.50	0.27	4,142	203.88	0.29
16.60	0.27	4,137	203.87	0.28
16.70	0.26	4,131	203.87	0.28
16.80	0.26	4,125	203.87	0.27
16.90	0.25	4,120	203.87	0.27
17.00	0.25	4,114	203.87	0.26
17.10	0.24	4,109	203.87	0.26
17.20	0.24	4,103	203.87	0.25
17.30	0.23	4,097	203.87	0.25
17.40	0.23	4,091	203.87	0.24
17.50	0.22	4,086	203.86	0.24
17.60	0.22	4,080	203.86	0.23
17.70	0.21	4,074	203.86	0.23
17.80	0.21	4,069	203.86	0.23
17.90	0.20	4,063	203.86	0.22
18.00	0.20	4,057	203.86	0.22
18.10	0.20	4,051	203.86	0.21
18.20	0.19	4,046	203.86	0.21
18.30	0.19	4,042	203.86	0.20
18.40	0.19	4,038	203.86	0.20
18.50	0.19	4,035	203.85	0.20
18.60	0.19	4,032	203.85	0.20
18.70	0.19	4,030	203.85	0.19
18.80	0.19	4,028	203.85	0.19
18.90	0.19	4,026	203.85	0.19
19.00	0.18	4,024	203.85	0.19
19.10	0.18	4,022	203.85	0.19
19.20	0.18	4,021	203.85	0.19
19.30	0.18	4,019	203.85	0.19
19.40	0.18	4,017	203.85	0.18
19.50	0.18	4,016	203.85	0.18
19.60	0.18	4,014	203.85	0.18
19.70	0.18	4,012	203.85	0.18
19.80	0.18	4,011	203.85	0.18
19.90	0.17	4,009	203.85	0.18
20.00	0.17	4,007	203.85	0.18
20.10	0.17	4,006	203.85	0.18
20.20	0.17	4,004	203.85	0.17
20.30	0.17	4,002	203.85	0.17
20.40	0.17	4,000	203.85	0.17
20.50	0.17	3,999	203.85	0.17
20.60	0.17	3,997	203.85	0.17
20.70	0.16	3,995	203.85	0.17

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	3,994	203.85	0.17
20.90	0.16	3,992	203.85	0.17
21.00	0.16	3,990	203.85	0.17
21.10	0.16	3,988	203.85	0.16
21.20	0.16	3,987	203.85	0.16
21.30	0.16	3,985	203.85	0.16
21.40	0.16	3,983	203.84	0.16
21.50	0.15	3,982	203.84	0.16
21.60	0.15	3,980	203.84	0.16
21.70	0.15	3,978	203.84	0.16
21.80	0.15	3,976	203.84	0.16
21.90	0.15	3,975	203.84	0.16
22.00	0.15	3,973	203.84	0.15
22.10	0.15	3,971	203.84	0.15
22.20	0.15	3,969	203.84	0.15
22.30	0.15	3,968	203.84	0.15
22.40	0.14	3,966	203.84	0.15
22.50	0.14	3,964	203.84	0.15
22.60	0.14	3,963	203.84	0.15
22.70	0.14	3,961	203.84	0.15
22.80	0.14	3,959	203.84	0.14
22.90	0.14	3,957	203.84	0.14
23.00	0.14	3,956	203.84	0.14
23.10	0.14	3,954	203.84	0.14
23.20	0.13	3,952	203.84	0.14
23.30	0.13	3,950	203.84	0.14
23.40	0.13	3,949	203.84	0.14
23.50	0.13	3,947	203.84	0.14
23.60	0.13	3,945	203.84	0.13
23.70	0.13	3,943	203.84	0.13
23.80	0.13	3,942	203.84	0.13
23.90	0.13	3,940	203.84	0.13
24.00	0.15	3,941	203.84	0.13
24.10	0.04	3,932	203.83	0.13
24.20	0.00	3,896	203.83	0.10
24.30	0.00	3,863	203.82	0.08
24.40	0.00	3,836	203.82	0.07
24.50	0.00	3,813	203.81	0.06
24.60	0.00	3,794	203.81	0.05
24.70	0.00	3,778	203.80	0.04
24.80	0.00	3,765	203.80	0.03
24.90	0.00	3,754	203.80	0.03
25.00	0.00	3,744	203.80	0.02
25.10	0.00	3,736	203.80	0.02
25.20	0.00	3,729	203.80	0.02
25.30	0.00	3,722	203.79	0.02
25.40	0.00	3,716	203.79	0.02
25.50	0.00	3,711	203.79	0.01
25.60	0.00	3,706	203.79	0.01
25.70	0.00	3,701	203.79	0.01
25.80	0.00	3,697	203.79	0.01
25.90	0.00	3,693	203.79	0.01

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,690	203.79	0.01
26.10	0.00	3,687	203.79	0.01
26.20	0.00	3,684	203.79	0.01
26.30	0.00	3,681	203.79	0.01
26.40	0.00	3,678	203.79	0.01
26.50	0.00	3,676	203.78	0.01
26.60	0.00	3,674	203.78	0.01
26.70	0.00	3,672	203.78	0.00
26.80	0.00	3,671	203.78	0.00
26.90	0.00	3,669	203.78	0.00
27.00	0.00	3,668	203.78	0.00
27.10	0.00	3,666	203.78	0.00
27.20	0.00	3,665	203.78	0.00
27.30	0.00	3,664	203.78	0.00
27.40	0.00	3,663	203.78	0.00
27.50	0.00	3,662	203.78	0.00
27.60	0.00	3,661	203.78	0.00
27.70	0.00	3,661	203.78	0.00
27.80	0.00	3,660	203.78	0.00
27.90	0.00	3,659	203.78	0.00
28.00	0.00	3,659	203.78	0.00
28.10	0.00	3,658	203.78	0.00
28.20	0.00	3,658	203.78	0.00
28.30	0.00	3,657	203.78	0.00
28.40	0.00	3,657	203.78	0.00
28.50	0.00	3,656	203.78	0.00
28.60	0.00	3,656	203.78	0.00
28.70	0.00	3,656	203.78	0.00
28.80	0.00	3,656	203.78	0.00
28.90	0.00	3,655	203.78	0.00
29.00	0.00	3,655	203.78	0.00
29.10	0.00	3,655	203.78	0.00
29.20	0.00	3,655	203.78	0.00
29.30	0.00	3,654	203.78	0.00
29.40	0.00	3,654	203.78	0.00
29.50	0.00	3,654	203.78	0.00
29.60	0.00	3,654	203.78	0.00
29.70	0.00	3,654	203.78	0.00
29.80	0.00	3,654	203.78	0.00
29.90	0.00	3,654	203.78	0.00
30.00	0.00	3,654	203.78	0.00
30.10	0.00	3,653	203.78	0.00
30.20	0.00	3,653	203.78	0.00
30.30	0.00	3,653	203.78	0.00
30.40	0.00	3,653	203.78	0.00
30.50	0.00	3,653	203.78	0.00
30.60	0.00	3,653	203.78	0.00
30.70	0.00	3,653	203.78	0.00
30.80	0.00	3,653	203.78	0.00
30.90	0.00	3,653	203.78	0.00
31.00	0.00	3,653	203.78	0.00
31.10	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,653	203.78	0.00
31.30	0.00	3,653	203.78	0.00
31.40	0.00	3,653	203.78	0.00
31.50	0.00	3,653	203.78	0.00
31.60	0.00	3,653	203.78	0.00
31.70	0.00	3,653	203.78	0.00
31.80	0.00	3,653	203.78	0.00
31.90	0.00	3,653	203.78	0.00
32.00	0.00	3,653	203.78	0.00
32.10	0.00	3,653	203.78	0.00
32.20	0.00	3,653	203.78	0.00
32.30	0.00	3,653	203.78	0.00
32.40	0.00	3,653	203.78	0.00
32.50	0.00	3,653	203.78	0.00
32.60	0.00	3,653	203.78	0.00
32.70	0.00	3,653	203.78	0.00
32.80	0.00	3,653	203.78	0.00
32.90	0.00	3,653	203.78	0.00
33.00	0.00	3,653	203.78	0.00
33.10	0.00	3,653	203.78	0.00
33.20	0.00	3,653	203.78	0.00
33.30	0.00	3,653	203.78	0.00
33.40	0.00	3,653	203.78	0.00
33.50	0.00	3,653	203.78	0.00
33.60	0.00	3,653	203.78	0.00
33.70	0.00	3,653	203.78	0.00
33.80	0.00	3,653	203.78	0.00
33.90	0.00	3,653	203.78	0.00
34.00	0.00	3,653	203.78	0.00
34.10	0.00	3,653	203.78	0.00
34.20	0.00	3,653	203.78	0.00
34.30	0.00	3,653	203.78	0.00
34.40	0.00	3,653	203.78	0.00
34.50	0.00	3,653	203.78	0.00
34.60	0.00	3,653	203.78	0.00
34.70	0.00	3,653	203.78	0.00
34.80	0.00	3,653	203.78	0.00
34.90	0.00	3,653	203.78	0.00
35.00	0.00	3,653	203.78	0.00
35.10	0.00	3,653	203.78	0.00
35.20	0.00	3,653	203.78	0.00
35.30	0.00	3,653	203.78	0.00
35.40	0.00	3,653	203.78	0.00
35.50	0.00	3,653	203.78	0.00
35.60	0.00	3,653	203.78	0.00
35.70	0.00	3,653	203.78	0.00
35.80	0.00	3,653	203.78	0.00
35.90	0.00	3,653	203.78	0.00
36.00	0.00	3,653	203.78	0.00
36.10	0.00	3,653	203.78	0.00
36.20	0.00	3,653	203.78	0.00
36.30	0.00	3,653	203.78	0.00

Hydrograph for Pond B-4B: Basin #4B (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,653	203.78	0.00
36.50	0.00	3,653	203.78	0.00
36.60	0.00	3,653	203.78	0.00
36.70	0.00	3,653	203.78	0.00
36.80	0.00	3,653	203.78	0.00
36.90	0.00	3,653	203.78	0.00
37.00	0.00	3,653	203.78	0.00
37.10	0.00	3,653	203.78	0.00
37.20	0.00	3,653	203.78	0.00
37.30	0.00	3,653	203.78	0.00
37.40	0.00	3,653	203.78	0.00
37.50	0.00	3,653	203.78	0.00
37.60	0.00	3,653	203.78	0.00
37.70	0.00	3,653	203.78	0.00
37.80	0.00	3,653	203.78	0.00
37.90	0.00	3,653	203.78	0.00
38.00	0.00	3,653	203.78	0.00
38.10	0.00	3,653	203.78	0.00
38.20	0.00	3,653	203.78	0.00
38.30	0.00	3,653	203.78	0.00
38.40	0.00	3,653	203.78	0.00
38.50	0.00	3,653	203.78	0.00
38.60	0.00	3,653	203.78	0.00
38.70	0.00	3,653	203.78	0.00
38.80	0.00	3,653	203.78	0.00
38.90	0.00	3,653	203.78	0.00
39.00	0.00	3,653	203.78	0.00
39.10	0.00	3,653	203.78	0.00
39.20	0.00	3,653	203.78	0.00
39.30	0.00	3,653	203.78	0.00
39.40	0.00	3,653	203.78	0.00
39.50	0.00	3,653	203.78	0.00
39.60	0.00	3,653	203.78	0.00
39.70	0.00	3,653	203.78	0.00
39.80	0.00	3,653	203.78	0.00
39.90	0.00	3,653	203.78	0.00
40.00	0.00	3,653	203.78	0.00

Stage-Discharge for Pond B-4B: Basin #4B

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
203.00	0.00	203.52	0.00	204.04	1.28	204.56	6.63
203.01	0.00	203.53	0.00	204.05	1.35	204.57	6.76
203.02	0.00	203.54	0.00	204.06	1.43	204.58	6.89
203.03	0.00	203.55	0.00	204.07	1.50	204.59	7.02
203.04	0.00	203.56	0.00	204.08	1.58	204.60	7.15
203.05	0.00	203.57	0.00	204.09	1.66	204.61	7.28
203.06	0.00	203.58	0.00	204.10	1.74	204.62	7.41
203.07	0.00	203.59	0.00	204.11	1.83	204.63	7.55
203.08	0.00	203.60	0.00	204.12	1.91	204.64	7.68
203.09	0.00	203.61	0.00	204.13	1.99	204.65	7.81
203.10	0.00	203.62	0.00	204.14	2.08	204.66	7.95
203.11	0.00	203.63	0.00	204.15	2.17	204.67	8.09
203.12	0.00	203.64	0.00	204.16	2.26	204.68	8.22
203.13	0.00	203.65	0.00	204.17	2.35	204.69	8.36
203.14	0.00	203.66	0.00	204.18	2.44	204.70	8.50
203.15	0.00	203.67	0.00	204.19	2.53	204.71	8.64
203.16	0.00	203.68	0.00	204.20	2.62	204.72	8.78
203.17	0.00	203.69	0.00	204.21	2.72	204.73	8.92
203.18	0.00	203.70	0.00	204.22	2.81	204.74	9.00
203.19	0.00	203.71	0.00	204.23	2.91	204.75	9.02
203.20	0.00	203.72	0.00	204.24	3.00	204.76	9.05
203.21	0.00	203.73	0.00	204.25	3.10	204.77	9.07
203.22	0.00	203.74	0.00	204.26	3.20	204.78	9.09
203.23	0.00	203.75	0.00	204.27	3.30	204.79	9.11
203.24	0.00	203.76	0.00	204.28	3.40	204.80	9.14
203.25	0.00	203.77	0.00	204.29	3.51	204.81	9.16
203.26	0.00	203.78	0.00	204.30	3.61	204.82	9.18
203.27	0.00	203.79	0.01	204.31	3.72	204.83	9.20
203.28	0.00	203.80	0.03	204.32	3.82	204.84	9.23
203.29	0.00	203.81	0.05	204.33	3.93	204.85	9.25
203.30	0.00	203.82	0.08	204.34	4.04	204.86	9.27
203.31	0.00	203.83	0.11	204.35	4.14	204.87	9.29
203.32	0.00	203.84	0.14	204.36	4.25	204.88	9.31
203.33	0.00	203.85	0.18	204.37	4.36	204.89	9.34
203.34	0.00	203.86	0.22	204.38	4.48	204.90	9.36
203.35	0.00	203.87	0.26	204.39	4.59	204.91	9.38
203.36	0.00	203.88	0.30	204.40	4.70	204.92	9.40
203.37	0.00	203.89	0.35	204.41	4.82	204.93	9.42
203.38	0.00	203.90	0.40	204.42	4.93	204.94	9.44
203.39	0.00	203.91	0.45	204.43	5.05	204.95	9.47
203.40	0.00	203.92	0.50	204.44	5.16	204.96	9.49
203.41	0.00	203.93	0.56	204.45	5.28	204.97	9.51
203.42	0.00	203.94	0.62	204.46	5.40	204.98	9.53
203.43	0.00	203.95	0.67	204.47	5.52	204.99	9.55
203.44	0.00	203.96	0.74	204.48	5.64	205.00	9.57
203.45	0.00	203.97	0.80	204.49	5.76	205.01	9.59
203.46	0.00	203.98	0.86	204.50	5.88	205.02	9.61
203.47	0.00	203.99	0.93	204.51	6.01	205.03	9.64
203.48	0.00	204.00	0.99	204.52	6.13	205.04	9.66
203.49	0.00	204.01	1.06	204.53	6.25	205.05	9.68
203.50	0.00	204.02	1.13	204.54	6.38	205.06	9.70
203.51	0.00	204.03	1.20	204.55	6.51	205.07	9.72

Stage-Discharge for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Primary (cfs)
205.08	9.74
205.09	9.76
205.10	9.78
205.11	9.80
205.12	9.82
205.13	9.85
205.14	9.87
205.15	9.89
205.16	9.91
205.17	9.93
205.18	9.95
205.19	9.97
205.20	9.99
205.21	10.01
205.22	10.03
205.23	10.05
205.24	10.07
205.25	10.09
205.26	10.11
205.27	10.13
205.28	10.15
205.29	10.17
205.30	10.19
205.31	10.21
205.32	10.23
205.33	10.25
205.34	10.27
205.35	10.29
205.36	10.31
205.37	10.33
205.38	10.35
205.39	10.37
205.40	10.39
205.41	10.41
205.42	10.43
205.43	10.45
205.44	10.47
205.45	10.49
205.46	10.51
205.47	10.52
205.48	10.54
205.49	10.56
205.50	10.58
205.51	10.73
205.52	10.97
205.53	11.29
205.54	11.66
205.55	12.07
205.56	12.53
205.57	13.03
205.58	13.56
205.59	14.13
205.60	14.73
205.61	15.36
205.62	16.02
205.63	16.70
205.64	17.41
205.65	18.15
205.66	18.92
205.67	19.70
205.68	20.51
205.69	21.35
205.70	22.20
205.71	23.10
205.72	24.02
205.73	24.96
205.74	25.92
205.75	**26.91**

Stage-Area-Storage for Pond B-4B: Basin #4B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.00	4,292	0
203.01	4,302	43
203.02	4,312	86
203.03	4,322	129
203.04	4,332	172
203.05	4,342	216
203.06	4,352	259
203.07	4,362	303
203.08	4,372	347
203.09	4,382	390
203.10	4,392	434
203.11	4,402	478
203.12	4,412	522
203.13	4,422	566
203.14	4,432	611
203.15	4,442	655
203.16	4,452	700
203.17	4,462	744
203.18	4,472	789
203.19	4,482	834
203.20	4,492	878
203.21	4,502	923
203.22	4,512	968
203.23	4,522	1,014
203.24	4,532	1,059
203.25	4,543	1,104
203.26	4,553	1,150
203.27	4,563	1,195
203.28	4,573	1,241
203.29	4,583	1,287
203.30	4,593	1,333
203.31	4,603	1,379
203.32	4,613	1,425
203.33	4,623	1,471
203.34	4,633	1,517
203.35	4,643	1,564
203.36	4,653	1,610
203.37	4,663	1,657
203.38	4,673	1,703
203.39	4,683	1,750
203.40	4,693	1,797
203.41	4,703	1,844
203.42	4,713	1,891
203.43	4,723	1,938
203.44	4,733	1,985
203.45	4,743	2,033
203.46	4,753	2,080
203.47	4,763	2,128
203.48	4,773	2,176
203.49	4,783	2,223
203.50	4,793	2,271
203.51	4,803	2,319
203.52	4,813	2,367
203.53	4,823	2,415
203.54	4,833	2,464
203.55	4,843	2,512
203.56	4,853	2,561
203.57	4,863	2,609
203.58	4,873	2,658
203.59	4,883	2,707
203.60	4,893	2,756
203.61	4,903	2,805
203.62	4,913	2,854
203.63	4,923	2,903
203.64	4,933	2,952
203.65	4,943	3,001
203.66	4,953	3,051
203.67	4,963	3,101
203.68	4,973	3,150
203.69	4,983	3,200
203.70	4,993	3,250
203.71	5,003	3,300
203.72	5,013	3,350
203.73	5,023	3,400
203.74	5,033	3,450
203.75	5,044	3,501
203.76	5,054	3,551
203.77	5,064	3,602
203.78	5,074	3,653
203.79	5,084	3,703
203.80	5,094	3,754
203.81	5,104	3,805
203.82	5,114	3,856
203.83	5,124	3,907
203.84	5,134	3,959
203.85	5,144	4,010
203.86	5,154	4,062
203.87	5,164	4,113
203.88	5,174	4,165
203.89	5,184	4,217
203.90	5,194	4,269
203.91	5,204	4,321
203.92	5,214	4,373
203.93	5,224	4,425
203.94	5,234	4,477
203.95	5,244	4,530
203.96	5,254	4,582
203.97	5,264	4,635
203.98	5,274	4,687
203.99	5,284	4,740
204.00	5,294	4,793
204.01	5,305	4,846
204.02	5,316	4,899
204.03	5,327	4,952

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.04	5,338	5,006
204.05	5,349	5,059
204.06	5,360	5,113
204.07	5,371	5,166
204.08	5,382	5,220
204.09	5,393	5,274
204.10	5,404	5,328
204.11	5,415	5,382
204.12	5,426	5,436
204.13	5,437	5,491
204.14	5,448	5,545
204.15	5,459	5,599
204.16	5,470	5,654
204.17	5,481	5,709
204.18	5,492	5,764
204.19	5,503	5,819
204.20	5,514	5,874
204.21	5,525	5,929
204.22	5,536	5,984
204.23	5,547	6,040
204.24	5,558	6,095
204.25	5,569	6,151
204.26	5,580	6,207
204.27	5,591	6,262
204.28	5,602	6,318
204.29	5,613	6,374
204.30	5,624	6,431
204.31	5,635	6,487
204.32	5,646	6,543
204.33	5,657	6,600
204.34	5,668	6,656
204.35	5,679	6,713
204.36	5,690	6,770
204.37	5,701	6,827
204.38	5,712	6,884
204.39	5,723	6,941
204.40	5,734	6,999
204.41	5,745	7,056
204.42	5,756	7,113
204.43	5,767	7,171
204.44	5,778	7,229
204.45	5,789	7,287
204.46	5,800	7,345
204.47	5,811	7,403
204.48	5,822	7,461
204.49	5,833	7,519
204.50	5,844	7,577
204.51	5,854	7,636
204.52	5,865	7,694
204.53	5,876	7,753
204.54	5,887	7,812
204.55	5,898	7,871
204.56	5,909	7,930
204.57	5,920	7,989
204.58	5,931	8,048
204.59	5,942	8,108
204.60	5,953	8,167
204.61	5,964	8,227
204.62	5,975	8,287
204.63	5,986	8,346
204.64	5,997	8,406
204.65	6,008	8,466
204.66	6,019	8,526
204.67	6,030	8,587
204.68	6,041	8,647
204.69	6,052	8,707
204.70	6,063	8,768
204.71	6,074	8,829
204.72	6,085	8,890
204.73	6,096	8,950
204.74	6,107	9,011
204.75	6,118	9,073
204.76	6,129	9,134
204.77	6,140	9,195
204.78	6,151	9,257
204.79	6,162	9,318
204.80	6,173	9,380
204.81	6,184	9,442
204.82	6,195	9,504
204.83	6,206	9,566
204.84	6,217	9,628
204.85	6,228	9,690
204.86	6,239	9,752
204.87	6,250	9,815
204.88	6,261	9,877
204.89	6,272	9,940
204.90	6,283	10,003
204.91	6,294	10,066
204.92	6,305	10,129
204.93	6,316	10,192
204.94	6,327	10,255
204.95	6,338	10,318
204.96	6,349	10,382
204.97	6,360	10,445
204.98	6,371	10,509
204.99	6,382	10,573
205.00	6,393	10,637
205.01	6,400	10,700
205.02	6,407	10,765
205.03	6,415	10,829
205.04	6,422	10,893
205.05	6,429	10,957
205.06	6,436	11,021
205.07	6,443	11,086

Stage-Area-Storage for Pond B-4B: Basin #4B (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.08	6,451	11,150
205.09	6,458	11,215
205.10	6,465	11,279
205.11	6,472	11,344
205.12	6,480	11,409
205.13	6,487	11,474
205.14	6,494	11,539
205.15	6,501	11,604
205.16	6,508	11,669
205.17	6,516	11,734
205.18	6,523	11,799
205.19	6,530	11,864
205.20	6,537	11,930
205.21	6,544	11,995
205.22	6,552	12,060
205.23	6,559	12,126
205.24	6,566	12,192
205.25	6,573	12,257
205.26	6,581	12,323
205.27	6,588	12,389
205.28	6,595	12,455
205.29	6,602	12,521
205.30	6,609	12,587
205.31	6,617	12,653
205.32	6,624	12,719
205.33	6,631	12,785
205.34	6,638	12,852
205.35	6,645	12,918
205.36	6,653	12,985
205.37	6,660	13,051
205.38	6,667	13,118
205.39	6,674	13,185
205.40	6,682	13,251
205.41	6,689	13,318
205.42	6,696	13,385
205.43	6,703	13,452
205.44	6,710	13,519
205.45	6,718	13,586
205.46	6,725	13,654
205.47	6,732	13,721
205.48	6,739	13,788
205.49	6,746	13,856
205.50	6,754	13,923
205.51	6,761	13,991
205.52	6,768	14,058
205.53	6,775	14,126
205.54	6,783	14,194
205.55	6,790	14,262
205.56	6,797	14,330
205.57	6,804	14,398
205.58	6,811	14,466
205.59	6,819	14,534
205.60	6,826	14,602
205.61	6,833	14,670
205.62	6,840	14,739
205.63	6,847	14,807
205.64	6,855	14,876
205.65	6,862	14,944
205.66	6,869	15,013
205.67	6,876	15,082
205.68	6,884	15,151
205.69	6,891	15,219
205.70	6,898	15,288
205.71	6,905	15,357
205.72	6,912	15,426
205.73	6,920	15,496
205.74	6,927	15,565
205.75	**6,934**	**15,634**

Summary for Pond B-5: Basin #5

Inflow Area = 5.341 ac, 32.20% Impervious, Inflow Depth = 3.47" for Future 10 yr event
Inflow = 17.13 cfs @ 12.16 hrs, Volume= 1.545 af
Outflow = 0.29 cfs @ 24.01 hrs, Volume= 0.639 af, Atten= 98%, Lag= 710.9 min
Primary = 0.29 cfs @ 24.01 hrs, Volume= 0.639 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.29' @ 24.01 hrs Surf.Area= 17,676 sf Storage= 54,497 cf

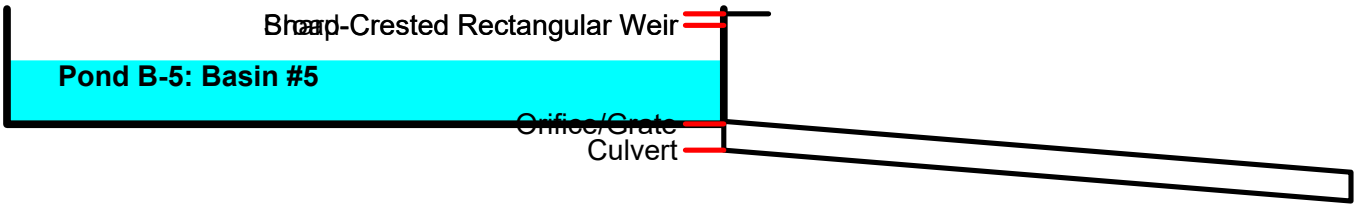
Plug-Flow detention time= 830.2 min calculated for 0.639 af (41% of inflow)
Center-of-Mass det. time= 707.5 min (1,549.5 - 842.1)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	105,425 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

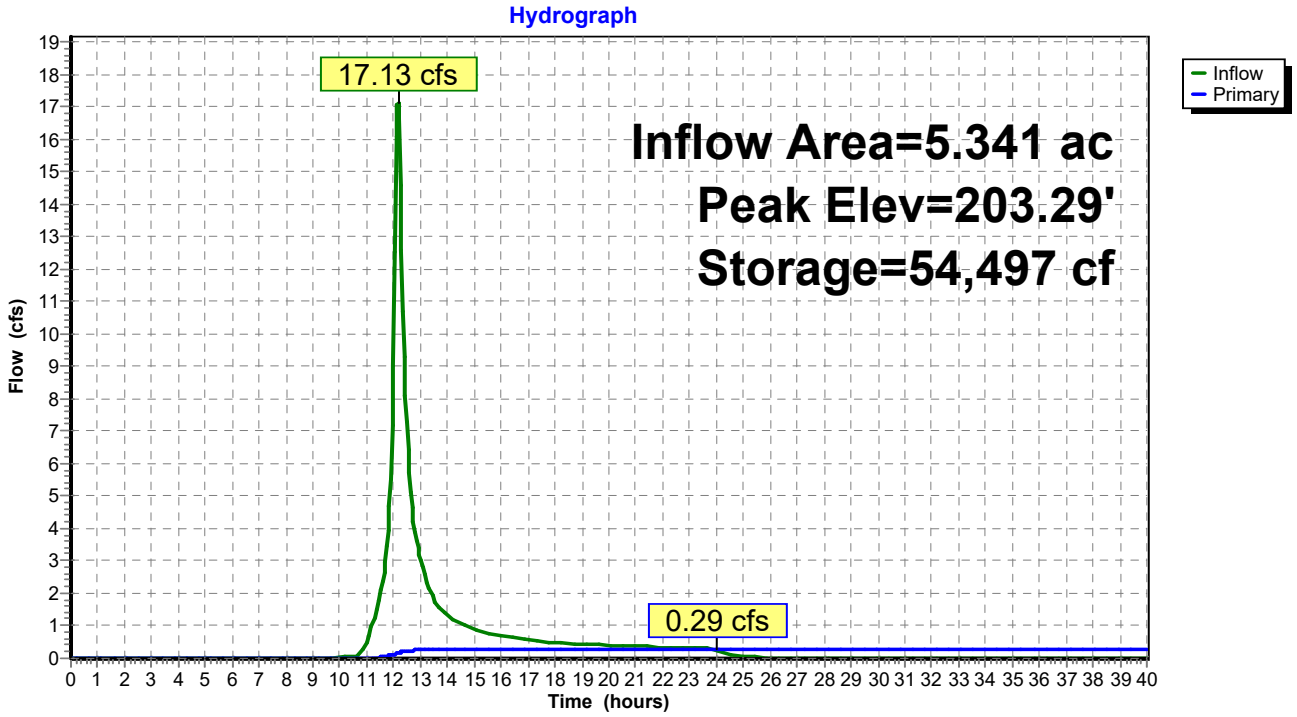
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	15,455	0	0
201.00	16,087	15,771	15,771
202.00	16,775	16,431	32,202
203.00	17,471	17,123	49,325
204.00	18,168	17,820	67,145
205.00	19,145	18,657	85,801
206.00	20,103	19,624	105,425

Device	Routing	Invert	Outlet Devices
#1	Primary	198.65'	**18.0" Round Culvert** L= 70.0' Ke= 0.500 Inlet / Outlet Invert= 198.65' / 196.00' S= 0.0379 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	200.02'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	205.15'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	205.75'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.29 cfs @ 24.01 hrs HW=203.29' (Free Discharge)
- **1=Culvert** (Passes 0.29 cfs of 16.79 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.29 cfs @ 8.57 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-5: Basin #5



Hydrograph for Pond B-5: Basin #5

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	0	200.00	0.00
1.50	0.00	0	200.00	0.00
1.60	0.00	0	200.00	0.00
1.70	0.00	0	200.00	0.00
1.80	0.00	0	200.00	0.00
1.90	0.00	0	200.00	0.00
2.00	0.00	0	200.00	0.00
2.10	0.00	0	200.00	0.00
2.20	0.00	0	200.00	0.00
2.30	0.00	0	200.00	0.00
2.40	0.00	0	200.00	0.00
2.50	0.00	0	200.00	0.00
2.60	0.00	0	200.00	0.00
2.70	0.00	0	200.00	0.00
2.80	0.00	0	200.00	0.00
2.90	0.00	0	200.00	0.00
3.00	0.00	0	200.00	0.00
3.10	0.00	0	200.00	0.00
3.20	0.00	0	200.00	0.00
3.30	0.00	0	200.00	0.00
3.40	0.00	0	200.00	0.00
3.50	0.00	0	200.00	0.00
3.60	0.00	0	200.00	0.00
3.70	0.00	0	200.00	0.00
3.80	0.00	0	200.00	0.00
3.90	0.00	0	200.00	0.00
4.00	0.00	0	200.00	0.00
4.10	0.00	0	200.00	0.00
4.20	0.00	0	200.00	0.00
4.30	0.00	0	200.00	0.00
4.40	0.00	0	200.00	0.00
4.50	0.00	0	200.00	0.00
4.60	0.00	0	200.00	0.00
4.70	0.00	0	200.00	0.00
4.80	0.00	0	200.00	0.00
4.90	0.00	0	200.00	0.00
5.00	0.00	0	200.00	0.00
5.10	0.00	0	200.00	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	200.00	0.00
5.30	0.00	0	200.00	0.00
5.40	0.00	0	200.00	0.00
5.50	0.00	0	200.00	0.00
5.60	0.00	0	200.00	0.00
5.70	0.00	0	200.00	0.00
5.80	0.00	0	200.00	0.00
5.90	0.00	0	200.00	0.00
6.00	0.00	0	200.00	0.00
6.10	0.00	0	200.00	0.00
6.20	0.00	0	200.00	0.00
6.30	0.00	0	200.00	0.00
6.40	0.00	0	200.00	0.00
6.50	0.00	0	200.00	0.00
6.60	0.00	0	200.00	0.00
6.70	0.00	0	200.00	0.00
6.80	0.00	0	200.00	0.00
6.90	0.00	0	200.00	0.00
7.00	0.00	0	200.00	0.00
7.10	0.00	0	200.00	0.00
7.20	0.00	0	200.00	0.00
7.30	0.00	0	200.00	0.00
7.40	0.00	0	200.00	0.00
7.50	0.00	0	200.00	0.00
7.60	0.00	0	200.00	0.00
7.70	0.00	0	200.00	0.00
7.80	0.00	0	200.00	0.00
7.90	0.00	0	200.00	0.00
8.00	0.00	0	200.00	0.00
8.10	0.00	0	200.00	0.00
8.20	0.00	0	200.00	0.00
8.30	0.00	1	200.00	0.00
8.40	0.00	2	200.00	0.00
8.50	0.00	3	200.00	0.00
8.60	0.00	4	200.00	0.00
8.70	0.01	6	200.00	0.00
8.80	0.01	8	200.00	0.00
8.90	0.01	11	200.00	0.00
9.00	0.01	13	200.00	0.00
9.10	0.01	17	200.00	0.00
9.20	0.01	21	200.00	0.00
9.30	0.01	25	200.00	0.00
9.40	0.02	30	200.00	0.00
9.50	0.02	36	200.00	0.00
9.60	0.02	43	200.00	0.00
9.70	0.02	50	200.00	0.00
9.80	0.02	59	200.00	0.00
9.90	0.03	68	200.00	0.00
10.00	0.03	78	200.01	0.00
10.10	0.03	89	200.01	0.00
10.20	0.04	102	200.01	0.00
10.30	0.04	115	200.01	0.00

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.04	130	200.01	0.00
10.50	0.05	146	200.01	0.00
10.60	0.05	164	200.01	0.00
10.70	0.06	186	200.01	0.00
10.80	0.14	219	200.01	0.00
10.90	0.32	301	200.02	0.00
11.00	0.54	457	200.03	0.00
11.10	0.78	696	200.04	0.00
11.20	1.04	1,023	200.07	0.00
11.30	1.30	1,441	200.09	0.01
11.40	1.57	1,952	200.13	0.02
11.50	1.83	2,555	200.16	0.03
11.60	2.35	3,293	200.21	0.05
11.70	2.99	4,236	200.27	0.06
11.80	3.93	5,455	200.35	0.08
11.90	5.52	7,118	200.46	0.09
12.00	9.04	9,682	200.62	0.12
12.10	**16.11**	14,153	200.90	0.14
12.20	**16.66**	20,122	201.27	0.18
12.30	12.59	25,314	201.59	0.20
12.40	9.28	29,137	201.82	0.21
12.50	7.28	32,011	201.99	0.22
12.60	5.73	34,257	202.12	0.23
12.70	4.62	36,023	202.23	0.24
12.80	3.91	37,463	202.31	0.24
12.90	3.40	38,685	202.38	0.25
13.00	3.01	39,747	202.45	0.25
13.10	2.68	40,678	202.50	0.25
13.20	2.41	41,501	202.55	0.26
13.30	2.19	42,234	202.59	0.26
13.40	2.00	42,895	202.63	0.26
13.50	1.83	43,490	202.66	0.26
13.60	1.68	44,027	202.69	0.26
13.70	1.55	44,511	202.72	0.26
13.80	1.46	44,956	202.75	0.27
13.90	1.38	45,370	202.77	0.27
14.00	1.32	45,759	202.80	0.27
14.10	1.27	46,128	202.82	0.27
14.20	1.22	46,478	202.84	0.27
14.30	1.18	46,811	202.86	0.27
14.40	1.13	47,128	202.87	0.27
14.50	1.09	47,431	202.89	0.27
14.60	1.05	47,718	202.91	0.27
14.70	1.01	47,991	202.92	0.27
14.80	0.97	48,249	202.94	0.28
14.90	0.93	48,492	202.95	0.28
15.00	0.90	48,722	202.97	0.28
15.10	0.86	48,937	202.98	0.28
15.20	0.82	49,140	202.99	0.28
15.30	0.80	49,332	203.00	0.28
15.40	0.78	49,515	203.01	0.28
15.50	0.76	49,692	203.02	0.28

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.75	49,862	203.03	0.28
15.70	0.73	50,027	203.04	0.28
15.80	0.72	50,186	203.05	0.28
15.90	0.71	50,341	203.06	0.28
16.00	0.69	50,492	203.07	0.28
16.10	0.68	50,638	203.08	0.28
16.20	0.67	50,781	203.08	0.28
16.30	0.66	50,919	203.09	0.28
16.40	0.65	51,053	203.10	0.28
16.50	0.64	51,184	203.11	0.28
16.60	0.63	51,311	203.11	0.28
16.70	0.62	51,433	203.12	0.28
16.80	0.61	51,552	203.13	0.28
16.90	0.60	51,667	203.13	0.28
17.00	0.59	51,778	203.14	0.29
17.10	0.58	51,885	203.15	0.29
17.20	0.57	51,989	203.15	0.29
17.30	0.56	52,088	203.16	0.29
17.40	0.55	52,183	203.16	0.29
17.50	0.54	52,275	203.17	0.29
17.60	0.53	52,363	203.17	0.29
17.70	0.52	52,447	203.18	0.29
17.80	0.51	52,527	203.18	0.29
17.90	0.49	52,603	203.19	0.29
18.00	0.48	52,676	203.19	0.29
18.10	0.47	52,745	203.19	0.29
18.20	0.46	52,810	203.20	0.29
18.30	0.46	52,872	203.20	0.29
18.40	0.45	52,932	203.21	0.29
18.50	0.45	52,990	203.21	0.29
18.60	0.44	53,046	203.21	0.29
18.70	0.44	53,100	203.22	0.29
18.80	0.43	53,152	203.22	0.29
18.90	0.43	53,204	203.22	0.29
19.00	0.43	53,254	203.22	0.29
19.10	0.42	53,303	203.23	0.29
19.20	0.42	53,351	203.23	0.29
19.30	0.42	53,398	203.23	0.29
19.40	0.42	53,444	203.23	0.29
19.50	0.41	53,489	203.24	0.29
19.60	0.41	53,533	203.24	0.29
19.70	0.41	53,576	203.24	0.29
19.80	0.41	53,618	203.24	0.29
19.90	0.40	53,659	203.25	0.29
20.00	0.40	53,699	203.25	0.29
20.10	0.40	53,738	203.25	0.29
20.20	0.39	53,776	203.25	0.29
20.30	0.39	53,813	203.26	0.29
20.40	0.39	53,849	203.26	0.29
20.50	0.39	53,884	203.26	0.29
20.60	0.38	53,918	203.26	0.29
20.70	0.38	53,951	203.26	0.29

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.38	53,983	203.27	0.29
20.90	0.38	54,014	203.27	0.29
21.00	0.37	54,045	203.27	0.29
21.10	0.37	54,074	203.27	0.29
21.20	0.37	54,102	203.27	0.29
21.30	0.37	54,129	203.27	0.29
21.40	0.36	54,155	203.27	0.29
21.50	0.36	54,181	203.28	0.29
21.60	0.36	54,205	203.28	0.29
21.70	0.35	54,228	203.28	0.29
21.80	0.35	54,251	203.28	0.29
21.90	0.35	54,272	203.28	0.29
22.00	0.35	54,292	203.28	0.29
22.10	0.34	54,312	203.28	0.29
22.20	0.34	54,330	203.28	0.29
22.30	0.34	54,348	203.29	0.29
22.40	0.34	54,364	203.29	0.29
22.50	0.33	54,380	203.29	0.29
22.60	0.33	54,394	203.29	0.29
22.70	0.33	54,408	203.29	0.29
22.80	0.33	54,420	203.29	0.29
22.90	0.32	54,432	203.29	0.29
23.00	0.32	54,442	203.29	0.29
23.10	0.32	54,452	203.29	0.29
23.20	0.31	54,461	203.29	0.29
23.30	0.31	54,468	203.29	0.29
23.40	0.31	54,475	203.29	0.29
23.50	0.31	54,480	203.29	0.29
23.60	0.30	54,485	203.29	0.29
23.70	0.30	54,489	203.29	0.29
23.80	0.30	54,492	203.29	0.29
23.90	0.30	54,494	203.29	0.29
24.00	0.30	**54,497**	**203.29**	**0.29**
24.10	0.25	54,490	203.29	0.29
24.20	0.20	54,465	203.29	0.29
24.30	0.16	54,424	203.29	0.29
24.40	0.13	54,371	203.29	0.29
24.50	0.11	54,309	203.28	0.29
24.60	0.09	54,239	203.28	0.29
24.70	0.08	54,165	203.28	0.29
24.80	0.07	54,086	203.27	0.29
24.90	0.06	54,003	203.27	0.29
25.00	0.05	53,917	203.26	0.29
25.10	0.04	53,829	203.26	0.29
25.20	0.04	53,738	203.25	0.29
25.30	0.03	53,647	203.25	0.29
25.40	0.03	53,554	203.24	0.29
25.50	0.03	53,460	203.24	0.29
25.60	0.02	53,365	203.23	0.29
25.70	0.02	53,269	203.22	0.29
25.80	0.02	53,172	203.22	0.29
25.90	0.02	53,075	203.21	0.29

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.02	52,977	203.21	0.29
26.10	0.01	52,879	203.20	0.29
26.20	0.01	52,780	203.20	0.29
26.30	0.01	52,680	203.19	0.29
26.40	0.01	52,581	203.19	0.29
26.50	0.01	52,481	203.18	0.29
26.60	0.01	52,381	203.17	0.29
26.70	0.01	52,280	203.17	0.29
26.80	0.01	52,180	203.16	0.29
26.90	0.01	52,079	203.16	0.29
27.00	0.01	51,978	203.15	0.29
27.10	0.00	51,877	203.15	0.29
27.20	0.00	51,776	203.14	0.29
27.30	0.00	51,675	203.13	0.28
27.40	0.00	51,574	203.13	0.28
27.50	0.00	51,473	203.12	0.28
27.60	0.00	51,372	203.12	0.28
27.70	0.00	51,271	203.11	0.28
27.80	0.00	51,170	203.11	0.28
27.90	0.00	51,069	203.10	0.28
28.00	0.00	50,968	203.09	0.28
28.10	0.00	50,867	203.09	0.28
28.20	0.00	50,766	203.08	0.28
28.30	0.00	50,665	203.08	0.28
28.40	0.00	50,564	203.07	0.28
28.50	0.00	50,464	203.07	0.28
28.60	0.00	50,363	203.06	0.28
28.70	0.00	50,262	203.05	0.28
28.80	0.00	50,162	203.05	0.28
28.90	0.00	50,061	203.04	0.28
29.00	0.00	49,961	203.04	0.28
29.10	0.00	49,861	203.03	0.28
29.20	0.00	49,760	203.02	0.28
29.30	0.00	49,660	203.02	0.28
29.40	0.00	49,560	203.01	0.28
29.50	0.00	49,460	203.01	0.28
29.60	0.00	49,360	203.00	0.28
29.70	0.00	49,260	203.00	0.28
29.80	0.00	49,160	202.99	0.28
29.90	0.00	49,060	202.98	0.28
30.00	0.00	48,961	202.98	0.28
30.10	0.00	48,861	202.97	0.28
30.20	0.00	48,762	202.97	0.28
30.30	0.00	48,662	202.96	0.28
30.40	0.00	48,563	202.96	0.28
30.50	0.00	48,464	202.95	0.28
30.60	0.00	48,365	202.94	0.28
30.70	0.00	48,266	202.94	0.28
30.80	0.00	48,167	202.93	0.28
30.90	0.00	48,068	202.93	0.27
31.00	0.00	47,969	202.92	0.27
31.10	0.00	47,871	202.92	0.27

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	47,772	202.91	0.27
31.30	0.00	47,674	202.91	0.27
31.40	0.00	47,575	202.90	0.27
31.50	0.00	47,477	202.89	0.27
31.60	0.00	47,379	202.89	0.27
31.70	0.00	47,281	202.88	0.27
31.80	0.00	47,183	202.88	0.27
31.90	0.00	47,085	202.87	0.27
32.00	0.00	46,987	202.87	0.27
32.10	0.00	46,889	202.86	0.27
32.20	0.00	46,792	202.85	0.27
32.30	0.00	46,694	202.85	0.27
32.40	0.00	46,597	202.84	0.27
32.50	0.00	46,499	202.84	0.27
32.60	0.00	46,402	202.83	0.27
32.70	0.00	46,305	202.83	0.27
32.80	0.00	46,208	202.82	0.27
32.90	0.00	46,111	202.82	0.27
33.00	0.00	46,014	202.81	0.27
33.10	0.00	45,918	202.80	0.27
33.20	0.00	45,821	202.80	0.27
33.30	0.00	45,724	202.79	0.27
33.40	0.00	45,628	202.79	0.27
33.50	0.00	45,532	202.78	0.27
33.60	0.00	45,435	202.78	0.27
33.70	0.00	45,339	202.77	0.27
33.80	0.00	45,243	202.77	0.27
33.90	0.00	45,147	202.76	0.27
34.00	0.00	45,051	202.75	0.27
34.10	0.00	44,956	202.75	0.27
34.20	0.00	44,860	202.74	0.27
34.30	0.00	44,765	202.74	0.27
34.40	0.00	44,669	202.73	0.27
34.50	0.00	44,574	202.73	0.26
34.60	0.00	44,478	202.72	0.26
34.70	0.00	44,383	202.72	0.26
34.80	0.00	44,288	202.71	0.26
34.90	0.00	44,193	202.70	0.26
35.00	0.00	44,099	202.70	0.26
35.10	0.00	44,004	202.69	0.26
35.20	0.00	43,909	202.69	0.26
35.30	0.00	43,815	202.68	0.26
35.40	0.00	43,720	202.68	0.26
35.50	0.00	43,626	202.67	0.26
35.60	0.00	43,532	202.67	0.26
35.70	0.00	43,437	202.66	0.26
35.80	0.00	43,343	202.66	0.26
35.90	0.00	43,249	202.65	0.26
36.00	0.00	43,156	202.64	0.26
36.10	0.00	43,062	202.64	0.26
36.20	0.00	42,968	202.63	0.26
36.30	0.00	42,875	202.63	0.26

Hydrograph for Pond B-5: Basin #5 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	42,781	202.62	0.26
36.50	0.00	42,688	202.62	0.26
36.60	0.00	42,595	202.61	0.26
36.70	0.00	42,502	202.61	0.26
36.80	0.00	42,409	202.60	0.26
36.90	0.00	42,316	202.60	0.26
37.00	0.00	42,223	202.59	0.26
37.10	0.00	42,130	202.58	0.26
37.20	0.00	42,037	202.58	0.26
37.30	0.00	41,945	202.57	0.26
37.40	0.00	41,853	202.57	0.26
37.50	0.00	41,760	202.56	0.26
37.60	0.00	41,668	202.56	0.26
37.70	0.00	41,576	202.55	0.26
37.80	0.00	41,484	202.55	0.26
37.90	0.00	41,392	202.54	0.26
38.00	0.00	41,300	202.54	0.25
38.10	0.00	41,208	202.53	0.25
38.20	0.00	41,117	202.53	0.25
38.30	0.00	41,025	202.52	0.25
38.40	0.00	40,934	202.52	0.25
38.50	0.00	40,843	202.51	0.25
38.60	0.00	40,751	202.50	0.25
38.70	0.00	40,660	202.50	0.25
38.80	0.00	40,569	202.49	0.25
38.90	0.00	40,478	202.49	0.25
39.00	0.00	40,388	202.48	0.25
39.10	0.00	40,297	202.48	0.25
39.20	0.00	40,206	202.47	0.25
39.30	0.00	40,116	202.47	0.25
39.40	0.00	40,025	202.46	0.25
39.50	0.00	39,935	202.46	0.25
39.60	0.00	39,845	202.45	0.25
39.70	0.00	39,755	202.45	0.25
39.80	0.00	39,665	202.44	0.25
39.90	0.00	39,575	202.44	0.25
40.00	0.00	39,485	202.43	0.25

Stage-Discharge for Pond B-5: Basin #5

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.10	201.04	0.16	201.56	0.20
200.01	0.00	200.53	0.10	201.05	0.16	201.57	0.20
200.02	0.00	200.54	0.11	201.06	0.16	201.58	0.20
200.03	0.00	200.55	0.11	201.07	0.16	201.59	0.20
200.04	0.00	200.56	0.11	201.08	0.16	201.60	0.20
200.05	0.00	200.57	0.11	201.09	0.16	201.61	0.20
200.06	0.00	200.58	0.11	201.10	0.16	201.62	0.20
200.07	0.00	200.59	0.11	201.11	0.16	201.63	0.20
200.08	0.01	200.60	0.11	201.12	0.16	201.64	0.20
200.09	0.01	200.61	0.11	201.13	0.16	201.65	0.20
200.10	0.01	200.62	0.12	201.14	0.17	201.66	0.20
200.11	0.01	200.63	0.12	201.15	0.17	201.67	0.20
200.12	0.02	200.64	0.12	201.16	0.17	201.68	0.20
200.13	0.02	200.65	0.12	201.17	0.17	201.69	0.21
200.14	0.02	200.66	0.12	201.18	0.17	201.70	0.21
200.15	0.03	200.67	0.12	201.19	0.17	201.71	0.21
200.16	0.03	200.68	0.12	201.20	0.17	201.72	0.21
200.17	0.03	200.69	0.12	201.21	0.17	201.73	0.21
200.18	0.04	200.70	0.12	201.22	0.17	201.74	0.21
200.19	0.04	200.71	0.13	201.23	0.17	201.75	0.21
200.20	0.05	200.72	0.13	201.24	0.17	201.76	0.21
200.21	0.05	200.73	0.13	201.25	0.17	201.77	0.21
200.22	0.05	200.74	0.13	201.26	0.17	201.78	0.21
200.23	0.05	200.75	0.13	201.27	0.18	201.79	0.21
200.24	0.06	200.76	0.13	201.28	0.18	201.80	0.21
200.25	0.06	200.77	0.13	201.29	0.18	201.81	0.21
200.26	0.06	200.78	0.13	201.30	0.18	201.82	0.21
200.27	0.06	200.79	0.13	201.31	0.18	201.83	0.21
200.28	0.06	200.80	0.13	201.32	0.18	201.84	0.22
200.29	0.07	200.81	0.14	201.33	0.18	201.85	0.22
200.30	0.07	200.82	0.14	201.34	0.18	201.86	0.22
200.31	0.07	200.83	0.14	201.35	0.18	201.87	0.22
200.32	0.07	200.84	0.14	201.36	0.18	201.88	0.22
200.33	0.07	200.85	0.14	201.37	0.18	201.89	0.22
200.34	0.08	200.86	0.14	201.38	0.18	201.90	0.22
200.35	0.08	200.87	0.14	201.39	0.18	201.91	0.22
200.36	0.08	200.88	0.14	201.40	0.19	201.92	0.22
200.37	0.08	200.89	0.14	201.41	0.19	201.93	0.22
200.38	0.08	200.90	0.14	201.42	0.19	201.94	0.22
200.39	0.08	200.91	0.15	201.43	0.19	201.95	0.22
200.40	0.09	200.92	0.15	201.44	0.19	201.96	0.22
200.41	0.09	200.93	0.15	201.45	0.19	201.97	0.22
200.42	0.09	200.94	0.15	201.46	0.19	201.98	0.22
200.43	0.09	200.95	0.15	201.47	0.19	201.99	0.22
200.44	0.09	200.96	0.15	201.48	0.19	202.00	0.22
200.45	0.09	200.97	0.15	201.49	0.19	202.01	0.23
200.46	0.10	200.98	0.15	201.50	0.19	202.02	0.23
200.47	0.10	200.99	0.15	201.51	0.19	202.03	0.23
200.48	0.10	201.00	0.15	201.52	0.19	202.04	0.23
200.49	0.10	201.01	0.15	201.53	0.19	202.05	0.23
200.50	0.10	201.02	0.16	201.54	0.20	202.06	0.23
200.51	0.10	201.03	0.16	201.55	0.20	202.07	0.23

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	0.23	202.60	0.26	203.12	0.28	203.64	0.31
202.09	0.23	202.61	0.26	203.13	0.28	203.65	0.31
202.10	0.23	202.62	0.26	203.14	0.29	203.66	0.31
202.11	0.23	202.63	0.26	203.15	0.29	203.67	0.31
202.12	0.23	202.64	0.26	203.16	0.29	203.68	0.31
202.13	0.23	202.65	0.26	203.17	0.29	203.69	0.31
202.14	0.23	202.66	0.26	203.18	0.29	203.70	0.31
202.15	0.23	202.67	0.26	203.19	0.29	203.71	0.31
202.16	0.23	202.68	0.26	203.20	0.29	203.72	0.31
202.17	0.23	202.69	0.26	203.21	0.29	203.73	0.31
202.18	0.24	202.70	0.26	203.22	0.29	203.74	0.31
202.19	0.24	202.71	0.26	203.23	0.29	203.75	0.31
202.20	0.24	202.72	0.26	203.24	0.29	203.76	0.31
202.21	0.24	202.73	0.26	203.25	0.29	203.77	0.31
202.22	0.24	202.74	0.27	203.26	0.29	203.78	0.31
202.23	0.24	202.75	0.27	203.27	0.29	203.79	0.31
202.24	0.24	202.76	0.27	203.28	0.29	203.80	0.31
202.25	0.24	202.77	0.27	203.29	0.29	203.81	0.32
202.26	0.24	202.78	0.27	203.30	0.29	203.82	0.32
202.27	0.24	202.79	0.27	203.31	0.29	203.83	0.32
202.28	0.24	202.80	0.27	203.32	0.29	203.84	0.32
202.29	0.24	202.81	0.27	203.33	0.29	203.85	0.32
202.30	0.24	202.82	0.27	203.34	0.29	203.86	0.32
202.31	0.24	202.83	0.27	203.35	0.29	203.87	0.32
202.32	0.24	202.84	0.27	203.36	0.30	203.88	0.32
202.33	0.24	202.85	0.27	203.37	0.30	203.89	0.32
202.34	0.24	202.86	0.27	203.38	0.30	203.90	0.32
202.35	0.24	202.87	0.27	203.39	0.30	203.91	0.32
202.36	0.25	202.88	0.27	203.40	0.30	203.92	0.32
202.37	0.25	202.89	0.27	203.41	0.30	203.93	0.32
202.38	0.25	202.90	0.27	203.42	0.30	203.94	0.32
202.39	0.25	202.91	0.27	203.43	0.30	203.95	0.32
202.40	0.25	202.92	0.27	203.44	0.30	203.96	0.32
202.41	0.25	202.93	0.27	203.45	0.30	203.97	0.32
202.42	0.25	202.94	0.28	203.46	0.30	203.98	0.32
202.43	0.25	202.95	0.28	203.47	0.30	203.99	0.32
202.44	0.25	202.96	0.28	203.48	0.30	204.00	0.32
202.45	0.25	202.97	0.28	203.49	0.30	204.01	0.32
202.46	0.25	202.98	0.28	203.50	0.30	204.02	0.32
202.47	0.25	202.99	0.28	203.51	0.30	204.03	0.32
202.48	0.25	203.00	0.28	203.52	0.30	204.04	0.32
202.49	0.25	203.01	0.28	203.53	0.30	204.05	0.33
202.50	0.25	203.02	0.28	203.54	0.30	204.06	0.33
202.51	0.25	203.03	0.28	203.55	0.30	204.07	0.33
202.52	0.25	203.04	0.28	203.56	0.30	204.08	0.33
202.53	0.25	203.05	0.28	203.57	0.30	204.09	0.33
202.54	0.26	203.06	0.28	203.58	0.31	204.10	0.33
202.55	0.26	203.07	0.28	203.59	0.31	204.11	0.33
202.56	0.26	203.08	0.28	203.60	0.31	204.12	0.33
202.57	0.26	203.09	0.28	203.61	0.31	204.13	0.33
202.58	0.26	203.10	0.28	203.62	0.31	204.14	0.33
202.59	0.26	203.11	0.28	203.63	0.31	204.15	0.33

Stage-Discharge for Pond B-5: Basin #5 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
204.16	0.33	204.68	0.35	205.20	0.52	205.72	5.86
204.17	0.33	204.69	0.35	205.21	0.56	205.73	6.00
204.18	0.33	204.70	0.35	205.22	0.61	205.74	6.14
204.19	0.33	204.71	0.35	205.23	0.67	205.75	6.29
204.20	0.33	204.72	0.35	205.24	0.72	205.76	6.55
204.21	0.33	204.73	0.35	205.25	0.78	205.77	6.91
204.22	0.33	204.74	0.35	205.26	0.85	205.78	7.33
204.23	0.33	204.75	0.35	205.27	0.91	205.79	7.81
204.24	0.33	204.76	0.35	205.28	0.98	205.80	8.33
204.25	0.33	204.77	0.35	205.29	1.05	205.81	8.90
204.26	0.33	204.78	0.35	205.30	1.13	205.82	9.50
204.27	0.33	204.79	0.35	205.31	1.20	205.83	10.13
204.28	0.33	204.80	0.35	205.32	1.28	205.84	10.80
204.29	0.34	204.81	0.36	205.33	1.36	205.85	11.50
204.30	0.34	204.82	0.36	205.34	1.45	205.86	12.23
204.31	0.34	204.83	0.36	205.35	1.53	205.87	12.99
204.32	0.34	204.84	0.36	205.36	1.62	205.88	13.77
204.33	0.34	204.85	0.36	205.37	1.71	205.89	14.58
204.34	0.34	204.86	0.36	205.38	1.80	205.90	15.42
204.35	0.34	204.87	0.36	205.39	1.90	205.91	16.28
204.36	0.34	204.88	0.36	205.40	1.99	205.92	17.16
204.37	0.34	204.89	0.36	205.41	2.09	205.93	18.07
204.38	0.34	204.90	0.36	205.42	2.19	205.94	19.00
204.39	0.34	204.91	0.36	205.43	2.29	205.95	19.95
204.40	0.34	204.92	0.36	205.44	2.39	205.96	20.96
204.41	0.34	204.93	0.36	205.45	2.50	205.97	22.00
204.42	0.34	204.94	0.36	205.46	2.60	205.98	23.06
204.43	0.34	204.95	0.36	205.47	2.71	205.99	24.15
204.44	0.34	204.96	0.36	205.48	2.82	206.00	**25.27**
204.45	0.34	204.97	0.36	205.49	2.93		
204.46	0.34	204.98	0.36	205.50	3.04		
204.47	0.34	204.99	0.36	205.51	3.16		
204.48	0.34	205.00	0.36	205.52	3.27		
204.49	0.34	205.01	0.36	205.53	3.39		
204.50	0.34	205.02	0.36	205.54	3.51		
204.51	0.34	205.03	0.36	205.55	3.63		
204.52	0.34	205.04	0.36	205.56	3.75		
204.53	0.34	205.05	0.36	205.57	3.87		
204.54	0.34	205.06	0.36	205.58	3.99		
204.55	0.35	205.07	0.37	205.59	4.12		
204.56	0.35	205.08	0.37	205.60	4.24		
204.57	0.35	205.09	0.37	205.61	4.37		
204.58	0.35	205.10	0.37	205.62	4.50		
204.59	0.35	205.11	0.37	205.63	4.63		
204.60	0.35	205.12	0.37	205.64	4.76		
204.61	0.35	205.13	0.37	205.65	4.89		
204.62	0.35	205.14	0.37	205.66	5.03		
204.63	0.35	205.15	0.37	205.67	5.16		
204.64	0.35	205.16	0.38	205.68	5.30		
204.65	0.35	205.17	0.41	205.69	5.44		
204.66	0.35	205.18	0.44	205.70	5.58		
204.67	0.35	205.19	0.47	205.71	5.72		

Stage-Area-Storage for Pond B-5: Basin #5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	15,455	0	200.52	15,784	8,122
200.01	15,461	155	200.53	15,790	8,280
200.02	15,468	309	200.54	15,796	8,438
200.03	15,474	464	200.55	15,803	8,596
200.04	15,480	619	200.56	15,809	8,754
200.05	15,487	774	200.57	15,815	8,912
200.06	15,493	928	200.58	15,822	9,070
200.07	15,499	1,083	200.59	15,828	9,228
200.08	15,506	1,238	200.60	15,834	9,387
200.09	15,512	1,394	200.61	15,841	9,545
200.10	15,518	1,549	200.62	15,847	9,704
200.11	15,525	1,704	200.63	15,853	9,862
200.12	15,531	1,859	200.64	15,859	10,021
200.13	15,537	2,014	200.65	15,866	10,179
200.14	15,543	2,170	200.66	15,872	10,338
200.15	15,550	2,325	200.67	15,878	10,497
200.16	15,556	2,481	200.68	15,885	10,656
200.17	15,562	2,636	200.69	15,891	10,814
200.18	15,569	2,792	200.70	15,897	10,973
200.19	15,575	2,948	200.71	15,904	11,132
200.20	15,581	3,104	200.72	15,910	11,291
200.21	15,588	3,259	200.73	15,916	11,451
200.22	15,594	3,415	200.74	15,923	11,610
200.23	15,600	3,571	200.75	15,929	11,769
200.24	15,607	3,727	200.76	15,935	11,928
200.25	15,613	3,884	200.77	15,942	12,088
200.26	15,619	4,040	200.78	15,948	12,247
200.27	15,626	4,196	200.79	15,954	12,407
200.28	15,632	4,352	200.80	15,961	12,566
200.29	15,638	4,509	200.81	15,967	12,726
200.30	15,645	4,665	200.82	15,973	12,886
200.31	15,651	4,821	200.83	15,980	13,045
200.32	15,657	4,978	200.84	15,986	13,205
200.33	15,664	5,135	200.85	15,992	13,365
200.34	15,670	5,291	200.86	15,999	13,525
200.35	15,676	5,448	200.87	16,005	13,685
200.36	15,683	5,605	200.88	16,011	13,845
200.37	15,689	5,762	200.89	16,017	14,005
200.38	15,695	5,919	200.90	16,024	14,165
200.39	15,701	6,076	200.91	16,030	14,326
200.40	15,708	6,233	200.92	16,036	14,486
200.41	15,714	6,390	200.93	16,043	14,646
200.42	15,720	6,547	200.94	16,049	14,807
200.43	15,727	6,704	200.95	16,055	14,967
200.44	15,733	6,861	200.96	16,062	15,128
200.45	15,739	7,019	200.97	16,068	15,289
200.46	15,746	7,176	200.98	16,074	15,449
200.47	15,752	7,334	200.99	16,081	15,610
200.48	15,758	7,491	201.00	16,087	15,771
200.49	15,765	7,649	201.01	16,094	15,932
200.50	15,771	7,807	201.02	16,101	16,093
200.51	15,777	7,964	201.03	16,108	16,254

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	16,115	16,415	201.56	16,472	24,888
201.05	16,121	16,576	201.57	16,479	25,052
201.06	16,128	16,737	201.58	16,486	25,217
201.07	16,135	16,899	201.59	16,493	25,382
201.08	16,142	17,060	201.60	16,500	25,547
201.09	16,149	17,222	201.61	16,507	25,712
201.10	16,156	17,383	201.62	16,514	25,877
201.11	16,163	17,545	201.63	16,520	26,042
201.12	16,170	17,706	201.64	16,527	26,208
201.13	16,176	17,868	201.65	16,534	26,373
201.14	16,183	18,030	201.66	16,541	26,538
201.15	16,190	18,192	201.67	16,548	26,704
201.16	16,197	18,354	201.68	16,555	26,869
201.17	16,204	18,516	201.69	16,562	27,035
201.18	16,211	18,678	201.70	16,569	27,200
201.19	16,218	18,840	201.71	16,575	27,366
201.20	16,225	19,002	201.72	16,582	27,532
201.21	16,231	19,164	201.73	16,589	27,698
201.22	16,238	19,327	201.74	16,596	27,864
201.23	16,245	19,489	201.75	16,603	28,030
201.24	16,252	19,652	201.76	16,610	28,196
201.25	16,259	19,814	201.77	16,617	28,362
201.26	16,266	19,977	201.78	16,624	28,528
201.27	16,273	20,140	201.79	16,631	28,694
201.28	16,280	20,302	201.80	16,637	28,861
201.29	16,287	20,465	201.81	16,644	29,027
201.30	16,293	20,628	201.82	16,651	29,194
201.31	16,300	20,791	201.83	16,658	29,360
201.32	16,307	20,954	201.84	16,665	29,527
201.33	16,314	21,117	201.85	16,672	29,693
201.34	16,321	21,280	201.86	16,679	29,860
201.35	16,328	21,444	201.87	16,686	30,027
201.36	16,335	21,607	201.88	16,692	30,194
201.37	16,342	21,770	201.89	16,699	30,361
201.38	16,348	21,934	201.90	16,706	30,528
201.39	16,355	22,097	201.91	16,713	30,695
201.40	16,362	22,261	201.92	16,720	30,862
201.41	16,369	22,424	201.93	16,727	31,029
201.42	16,376	22,588	201.94	16,734	31,197
201.43	16,383	22,752	201.95	16,741	31,364
201.44	16,390	22,916	201.96	16,747	31,532
201.45	16,397	23,080	201.97	16,754	31,699
201.46	16,403	23,244	201.98	16,761	31,867
201.47	16,410	23,408	201.99	16,768	32,034
201.48	16,417	23,572	202.00	16,775	32,202
201.49	16,424	23,736	202.01	16,782	32,370
201.50	16,431	23,901	202.02	16,789	32,538
201.51	16,438	24,065	202.03	16,796	32,706
201.52	16,445	24,229	202.04	16,803	32,874
201.53	16,452	24,394	202.05	16,810	33,042
201.54	16,459	24,558	202.06	16,817	33,210
201.55	16,465	24,723	202.07	16,824	33,378

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	16,831	33,546	202.60	17,193	42,392
202.09	16,838	33,715	202.61	17,200	42,564
202.10	16,845	33,883	202.62	17,207	42,736
202.11	16,852	34,051	202.63	17,213	42,908
202.12	16,859	34,220	202.64	17,220	43,081
202.13	16,865	34,389	202.65	17,227	43,253
202.14	16,872	34,557	202.66	17,234	43,425
202.15	16,879	34,726	202.67	17,241	43,597
202.16	16,886	34,895	202.68	17,248	43,770
202.17	16,893	35,064	202.69	17,255	43,942
202.18	16,900	35,233	202.70	17,262	44,115
202.19	16,907	35,402	202.71	17,269	44,288
202.20	16,914	35,571	202.72	17,276	44,460
202.21	16,921	35,740	202.73	17,283	44,633
202.22	16,928	35,909	202.74	17,290	44,806
202.23	16,935	36,079	202.75	17,297	44,979
202.24	16,942	36,248	202.76	17,304	45,152
202.25	16,949	36,418	202.77	17,311	45,325
202.26	16,956	36,587	202.78	17,318	45,498
202.27	16,963	36,757	202.79	17,325	45,671
202.28	16,970	36,926	202.80	17,332	45,845
202.29	16,977	37,096	202.81	17,339	46,018
202.30	16,984	37,266	202.82	17,346	46,191
202.31	16,991	37,436	202.83	17,353	46,365
202.32	16,998	37,606	202.84	17,360	46,539
202.33	17,005	37,776	202.85	17,367	46,712
202.34	17,012	37,946	202.86	17,374	46,886
202.35	17,019	38,116	202.87	17,381	47,060
202.36	17,026	38,286	202.88	17,387	47,233
202.37	17,033	38,456	202.89	17,394	47,407
202.38	17,039	38,627	202.90	17,401	47,581
202.39	17,046	38,797	202.91	17,408	47,755
202.40	17,053	38,968	202.92	17,415	47,930
202.41	17,060	39,138	202.93	17,422	48,104
202.42	17,067	39,309	202.94	17,429	48,278
202.43	17,074	39,480	202.95	17,436	48,452
202.44	17,081	39,650	202.96	17,443	48,627
202.45	17,088	39,821	202.97	17,450	48,801
202.46	17,095	39,992	202.98	17,457	48,976
202.47	17,102	40,163	202.99	17,464	49,150
202.48	17,109	40,334	203.00	17,471	49,325
202.49	17,116	40,505	203.01	17,478	49,500
202.50	17,123	40,677	203.02	17,485	49,675
202.51	17,130	40,848	203.03	17,492	49,849
202.52	17,137	41,019	203.04	17,499	50,024
202.53	17,144	41,191	203.05	17,506	50,199
202.54	17,151	41,362	203.06	17,513	50,375
202.55	17,158	41,534	203.07	17,520	50,550
202.56	17,165	41,705	203.08	17,527	50,725
202.57	17,172	41,877	203.09	17,534	50,900
202.58	17,179	42,049	203.10	17,541	51,076
202.59	17,186	42,220	203.11	17,548	51,251

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	17,555	51,427
203.13	17,562	51,602
203.14	17,569	51,778
203.15	17,576	51,953
203.16	17,583	52,129
203.17	17,589	52,305
203.18	17,596	52,481
203.19	17,603	52,657
203.20	17,610	52,833
203.21	17,617	53,009
203.22	17,624	53,185
203.23	17,631	53,362
203.24	17,638	53,538
203.25	17,645	53,715
203.26	17,652	53,891
203.27	17,659	54,068
203.28	17,666	54,244
203.29	17,673	54,421
203.30	17,680	54,598
203.31	17,687	54,775
203.32	17,694	54,951
203.33	17,701	55,128
203.34	17,708	55,305
203.35	17,715	55,483
203.36	17,722	55,660
203.37	17,729	55,837
203.38	17,736	56,014
203.39	17,743	56,192
203.40	17,750	56,369
203.41	17,757	56,547
203.42	17,764	56,724
203.43	17,771	56,902
203.44	17,778	57,080
203.45	17,785	57,258
203.46	17,792	57,435
203.47	17,799	57,613
203.48	17,806	57,791
203.49	17,813	57,969
203.50	17,820	58,148
203.51	17,826	58,326
203.52	17,833	58,504
203.53	17,840	58,683
203.54	17,847	58,861
203.55	17,854	59,039
203.56	17,861	59,218
203.57	17,868	59,397
203.58	17,875	59,575
203.59	17,882	59,754
203.60	17,889	59,933
203.61	17,896	60,112
203.62	17,903	60,291
203.63	17,910	60,470
203.64	17,917	60,649
203.65	17,924	60,828
203.66	17,931	61,008
203.67	17,938	61,187
203.68	17,945	61,366
203.69	17,952	61,546
203.70	17,959	61,725
203.71	17,966	61,905
203.72	17,973	62,085
203.73	17,980	62,265
203.74	17,987	62,444
203.75	17,994	62,624
203.76	18,001	62,804
203.77	18,008	62,984
203.78	18,015	63,164
203.79	18,022	63,345
203.80	18,029	63,525
203.81	18,036	63,705
203.82	18,043	63,886
203.83	18,050	64,066
203.84	18,056	64,247
203.85	18,063	64,427
203.86	18,070	64,608
203.87	18,077	64,789
203.88	18,084	64,969
203.89	18,091	65,150
203.90	18,098	65,331
203.91	18,105	65,512
203.92	18,112	65,693
203.93	18,119	65,874
203.94	18,126	66,056
203.95	18,133	66,237
203.96	18,140	66,418
203.97	18,147	66,600
203.98	18,154	66,781
203.99	18,161	66,963
204.00	18,168	67,145
204.01	18,178	67,326
204.02	18,188	67,508
204.03	18,197	67,690
204.04	18,207	67,872
204.05	18,217	68,054
204.06	18,227	68,236
204.07	18,236	68,419
204.08	18,246	68,601
204.09	18,256	68,784
204.10	18,266	68,966
204.11	18,275	69,149
204.12	18,285	69,332
204.13	18,295	69,515
204.14	18,305	69,698
204.15	18,315	69,881

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	18,324	70,064
204.17	18,334	70,247
204.18	18,344	70,431
204.19	18,354	70,614
204.20	18,363	70,798
204.21	18,373	70,981
204.22	18,383	71,165
204.23	18,393	71,349
204.24	18,402	71,533
204.25	18,412	71,717
204.26	18,422	71,901
204.27	18,432	72,085
204.28	18,442	72,270
204.29	18,451	72,454
204.30	18,461	72,639
204.31	18,471	72,824
204.32	18,481	73,008
204.33	18,490	73,193
204.34	18,500	73,378
204.35	18,510	73,563
204.36	18,520	73,748
204.37	18,529	73,934
204.38	18,539	74,119
204.39	18,549	74,304
204.40	18,559	74,490
204.41	18,569	74,675
204.42	18,578	74,861
204.43	18,588	75,047
204.44	18,598	75,233
204.45	18,608	75,419
204.46	18,617	75,605
204.47	18,627	75,791
204.48	18,637	75,978
204.49	18,647	76,164
204.50	18,657	76,351
204.51	18,666	76,537
204.52	18,676	76,724
204.53	18,686	76,911
204.54	18,696	77,098
204.55	18,705	77,285
204.56	18,715	77,472
204.57	18,725	77,659
204.58	18,735	77,846
204.59	18,744	78,034
204.60	18,754	78,221
204.61	18,764	78,409
204.62	18,774	78,596
204.63	18,784	78,784
204.64	18,793	78,972
204.65	18,803	79,160
204.66	18,813	79,348
204.67	18,823	79,536
204.68	18,832	79,725
204.69	18,842	79,913
204.70	18,852	80,101
204.71	18,862	80,290
204.72	18,871	80,479
204.73	18,881	80,667
204.74	18,891	80,856
204.75	18,901	81,045
204.76	18,911	81,234
204.77	18,920	81,423
204.78	18,930	81,613
204.79	18,940	81,802
204.80	18,950	81,992
204.81	18,959	82,181
204.82	18,969	82,371
204.83	18,979	82,560
204.84	18,989	82,750
204.85	18,998	82,940
204.86	19,008	83,130
204.87	19,018	83,320
204.88	19,028	83,511
204.89	19,038	83,701
204.90	19,047	83,891
204.91	19,057	84,082
204.92	19,067	84,273
204.93	19,077	84,463
204.94	19,086	84,654
204.95	19,096	84,845
204.96	19,106	85,036
204.97	19,116	85,227
204.98	19,125	85,418
204.99	19,135	85,610
205.00	19,145	85,801
205.01	19,155	85,992
205.02	19,164	86,184
205.03	19,174	86,376
205.04	19,183	86,568
205.05	19,193	86,759
205.06	19,202	86,951
205.07	19,212	87,143
205.08	19,222	87,336
205.09	19,231	87,528
205.10	19,241	87,720
205.11	19,250	87,913
205.12	19,260	88,105
205.13	19,270	88,298
205.14	19,279	88,491
205.15	19,289	88,684
205.16	19,298	88,876
205.17	19,308	89,069
205.18	19,317	89,263
205.19	19,327	89,456

Stage-Area-Storage for Pond B-5: Basin #5 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
205.20	19,337	89,649
205.21	19,346	89,843
205.22	19,356	90,036
205.23	19,365	90,230
205.24	19,375	90,423
205.25	19,385	90,617
205.26	19,394	90,811
205.27	19,404	91,005
205.28	19,413	91,199
205.29	19,423	91,393
205.30	19,432	91,588
205.31	19,442	91,782
205.32	19,452	91,976
205.33	19,461	92,171
205.34	19,471	92,366
205.35	19,480	92,560
205.36	19,490	92,755
205.37	19,499	92,950
205.38	19,509	93,145
205.39	19,519	93,340
205.40	19,528	93,536
205.41	19,538	93,731
205.42	19,547	93,926
205.43	19,557	94,122
205.44	19,567	94,318
205.45	19,576	94,513
205.46	19,586	94,709
205.47	19,595	94,905
205.48	19,605	95,101
205.49	19,614	95,297
205.50	19,624	95,493
205.51	19,634	95,690
205.52	19,643	95,886
205.53	19,653	96,082
205.54	19,662	96,279
205.55	19,672	96,476
205.56	19,681	96,672
205.57	19,691	96,869
205.58	19,701	97,066
205.59	19,710	97,263
205.60	19,720	97,460
205.61	19,729	97,658
205.62	19,739	97,855
205.63	19,749	98,052
205.64	19,758	98,250
205.65	19,768	98,448
205.66	19,777	98,645
205.67	19,787	98,843
205.68	19,796	99,041
205.69	19,806	99,239
205.70	19,816	99,437
205.71	19,825	99,635
205.72	19,835	99,834
205.73	19,844	100,032
205.74	19,854	100,231
205.75	19,864	100,429
205.76	19,873	100,628
205.77	19,883	100,827
205.78	19,892	101,026
205.79	19,902	101,224
205.80	19,911	101,424
205.81	19,921	101,623
205.82	19,931	101,822
205.83	19,940	102,021
205.84	19,950	102,221
205.85	19,959	102,420
205.86	19,969	102,620
205.87	19,978	102,820
205.88	19,988	103,020
205.89	19,998	103,219
205.90	20,007	103,419
205.91	20,017	103,620
205.92	20,026	103,820
205.93	20,036	104,020
205.94	20,046	104,221
205.95	20,055	104,421
205.96	20,065	104,622
205.97	20,074	104,822
205.98	20,084	105,023
205.99	20,093	105,224
206.00	**20,103**	**105,425**

Summary for Pond B-6: Basin #6

Inflow Area = 1.191 ac, 58.27% Impervious, Inflow Depth = 4.51" for Future 10 yr event
Inflow = 7.06 cfs @ 12.08 hrs, Volume= 0.448 af
Outflow = 0.21 cfs @ 14.76 hrs, Volume= 0.356 af, Atten= 97%, Lag= 160.8 min
Primary = 0.21 cfs @ 14.76 hrs, Volume= 0.356 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.23' @ 14.76 hrs Surf.Area= 6,930 sf Storage= 13,721 cf

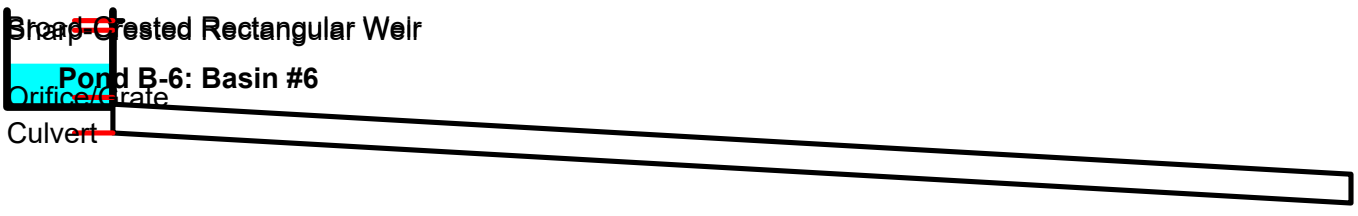
Plug-Flow detention time= 715.1 min calculated for 0.356 af (79% of inflow)
Center-of-Mass det. time= 633.3 min (1,400.2 - 766.9)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	35,769 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

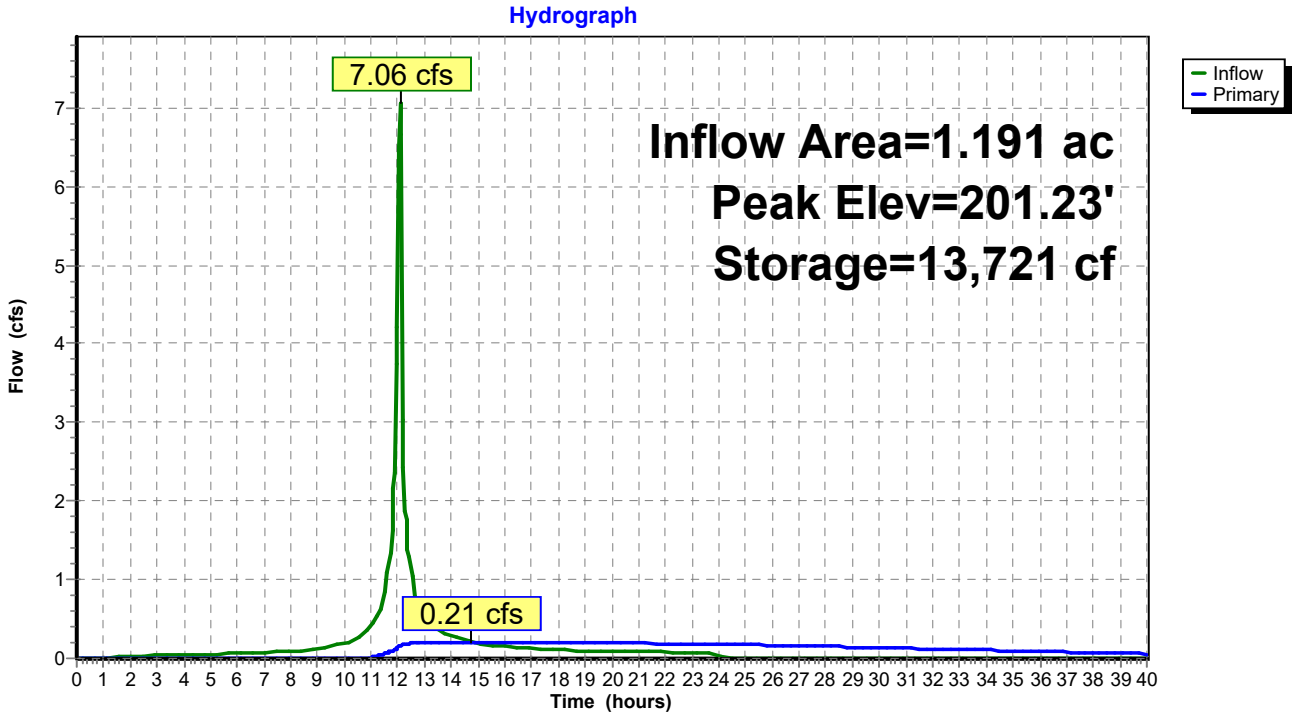
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	5,389	0	0
200.00	6,060	5,725	5,725
201.00	6,761	6,411	12,135
202.00	7,490	7,126	19,261
203.00	8,247	7,869	27,129
204.00	9,032	8,640	35,769

Device	Routing	Invert	Outlet Devices
#1	Primary	197.65'	**18.0" Round Culvert** L= 627.0' Ke= 0.500 Inlet / Outlet Invert= 197.65' / 194.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	199.50'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	203.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.21 cfs @ 14.76 hrs HW=201.23' (Free Discharge)
- **1=Culvert** (Passes 0.21 cfs of 9.43 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.14 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-6: Basin #6



Hydrograph for Pond B-6: Basin #6

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	1	199.00	0.00
0.90	0.01	2	199.00	0.00
1.00	0.01	5	199.00	0.00
1.10	0.01	8	199.00	0.00
1.20	0.01	12	199.00	0.00
1.30	0.01	17	199.00	0.00
1.40	0.02	22	199.00	0.00
1.50	0.02	29	199.01	0.00
1.60	0.02	35	199.01	0.00
1.70	0.02	42	199.01	0.00
1.80	0.02	50	199.01	0.00
1.90	0.02	59	199.01	0.00
2.00	0.03	68	199.01	0.00
2.10	0.03	77	199.01	0.00
2.20	0.03	87	199.02	0.00
2.30	0.03	97	199.02	0.00
2.40	0.03	108	199.02	0.00
2.50	0.03	119	199.02	0.00
2.60	0.03	131	199.02	0.00
2.70	0.03	142	199.03	0.00
2.80	0.03	155	199.03	0.00
2.90	0.04	168	199.03	0.00
3.00	0.04	181	199.03	0.00
3.10	0.04	194	199.04	0.00
3.20	0.04	208	199.04	0.00
3.30	0.04	222	199.04	0.00
3.40	0.04	236	199.04	0.00
3.50	0.04	251	199.05	0.00
3.60	0.04	266	199.05	0.00
3.70	0.04	282	199.05	0.00
3.80	0.04	297	199.05	0.00
3.90	0.04	313	199.06	0.00
4.00	0.05	329	199.06	0.00
4.10	0.05	346	199.06	0.00
4.20	0.05	362	199.07	0.00
4.30	0.05	380	199.07	0.00
4.40	0.05	397	199.07	0.00
4.50	0.05	414	199.08	0.00
4.60	0.05	432	199.08	0.00
4.70	0.05	450	199.08	0.00
4.80	0.05	468	199.09	0.00
4.90	0.05	487	199.09	0.00
5.00	0.05	506	199.09	0.00
5.10	0.05	525	199.10	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	544	199.10	0.00
5.30	0.05	563	199.10	0.00
5.40	0.05	583	199.11	0.00
5.50	0.06	603	199.11	0.00
5.60	0.06	623	199.11	0.00
5.70	0.06	643	199.12	0.00
5.80	0.06	664	199.12	0.00
5.90	0.06	684	199.13	0.00
6.00	0.06	705	199.13	0.00
6.10	0.06	727	199.13	0.00
6.20	0.06	749	199.14	0.00
6.30	0.06	772	199.14	0.00
6.40	0.07	795	199.15	0.00
6.50	0.07	819	199.15	0.00
6.60	0.07	843	199.15	0.00
6.70	0.07	868	199.16	0.00
6.80	0.07	894	199.16	0.00
6.90	0.07	920	199.17	0.00
7.00	0.08	947	199.17	0.00
7.10	0.08	974	199.18	0.00
7.20	0.08	1,003	199.18	0.00
7.30	0.08	1,031	199.19	0.00
7.40	0.08	1,061	199.19	0.00
7.50	0.08	1,091	199.20	0.00
7.60	0.09	1,121	199.21	0.00
7.70	0.09	1,152	199.21	0.00
7.80	0.09	1,184	199.22	0.00
7.90	0.09	1,216	199.22	0.00
8.00	0.09	1,250	199.23	0.00
8.10	0.09	1,283	199.23	0.00
8.20	0.10	1,318	199.24	0.00
8.30	0.10	1,353	199.25	0.00
8.40	0.10	1,389	199.25	0.00
8.50	0.10	1,426	199.26	0.00
8.60	0.11	1,464	199.27	0.00
8.70	0.11	1,502	199.27	0.00
8.80	0.11	1,542	199.28	0.00
8.90	0.11	1,582	199.29	0.00
9.00	0.12	1,623	199.30	0.00
9.10	0.12	1,667	199.30	0.00
9.20	0.13	1,713	199.31	0.00
9.30	0.14	1,761	199.32	0.00
9.40	0.14	1,812	199.33	0.00
9.50	0.15	1,866	199.34	0.00
9.60	0.16	1,923	199.35	0.00
9.70	0.17	1,982	199.36	0.00
9.80	0.18	2,044	199.37	0.00
9.90	0.18	2,110	199.38	0.00
10.00	0.19	2,178	199.39	0.00
10.10	0.20	2,249	199.41	0.00
10.20	0.21	2,323	199.42	0.00
10.30	0.22	2,400	199.43	0.00

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.23	2,480	199.45	0.00
10.50	0.24	2,564	199.46	0.00
10.60	0.27	2,655	199.48	0.00
10.70	0.29	2,758	199.50	0.00
10.80	0.32	2,870	199.52	0.00
10.90	0.36	2,993	199.54	0.00
11.00	0.39	3,127	199.56	0.01
11.10	0.45	3,276	199.59	0.01
11.20	0.50	3,444	199.62	0.02
11.30	0.56	3,629	199.65	0.03
11.40	0.63	3,832	199.68	0.05
11.50	0.70	4,053	199.72	0.06
11.60	1.06	4,370	199.77	0.07
11.70	1.16	4,746	199.84	0.08
11.80	1.63	5,240	199.92	0.09
11.90	2.37	5,951	200.04	0.11
12.00	4.21	7,176	200.24	0.13
12.10	**6.66**	9,273	200.57	0.16
12.20	2.43	10,575	200.77	0.18
12.30	1.76	11,223	200.86	0.18
12.40	1.31	11,680	200.93	0.19
12.50	1.22	12,066	200.99	0.19
12.60	0.81	12,335	201.03	0.20
12.70	0.76	12,543	201.06	0.20
12.80	0.69	12,729	201.09	0.20
12.90	0.63	12,891	201.11	0.20
13.00	0.56	13,028	201.13	0.20
13.10	0.50	13,141	201.15	0.20
13.20	0.46	13,238	201.16	0.20
13.30	0.42	13,321	201.17	0.21
13.40	0.39	13,392	201.18	0.21
13.50	0.35	13,449	201.19	0.21
13.60	0.32	13,493	201.20	0.21
13.70	0.31	13,531	201.20	0.21
13.80	0.30	13,565	201.21	0.21
13.90	0.29	13,596	201.21	0.21
14.00	0.28	13,624	201.22	0.21
14.10	0.27	13,648	201.22	0.21
14.20	0.26	13,669	201.22	0.21
14.30	0.25	13,686	201.23	0.21
14.40	0.24	13,700	201.23	0.21
14.50	0.24	13,710	201.23	0.21
14.60	0.23	13,717	201.23	0.21
14.70	0.22	**13,721**	**201.23**	**0.21**
14.80	0.21	**13,721**	**201.23**	**0.21**
14.90	0.20	13,718	201.23	0.21
15.00	0.19	13,711	201.23	0.21
15.10	0.18	13,701	201.23	0.21
15.20	0.18	13,690	201.23	0.21
15.30	0.17	13,677	201.23	0.21
15.40	0.17	13,664	201.22	0.21
15.50	0.17	13,650	201.22	0.21

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	13,635	201.22	0.21
15.70	0.16	13,619	201.22	0.21
15.80	0.16	13,602	201.21	0.21
15.90	0.16	13,585	201.21	0.21
16.00	0.16	13,566	201.21	0.21
16.10	0.15	13,547	201.21	0.21
16.20	0.15	13,527	201.20	0.21
16.30	0.15	13,506	201.20	0.21
16.40	0.15	13,485	201.20	0.21
16.50	0.14	13,462	201.19	0.21
16.60	0.14	13,439	201.19	0.21
16.70	0.14	13,415	201.19	0.21
16.80	0.14	13,390	201.18	0.21
16.90	0.13	13,364	201.18	0.21
17.00	0.13	13,338	201.18	0.21
17.10	0.13	13,310	201.17	0.21
17.20	0.13	13,282	201.17	0.21
17.30	0.12	13,253	201.16	0.20
17.40	0.12	13,223	201.16	0.20
17.50	0.12	13,193	201.16	0.20
17.60	0.12	13,161	201.15	0.20
17.70	0.11	13,129	201.15	0.20
17.80	0.11	13,096	201.14	0.20
17.90	0.11	13,062	201.14	0.20
18.00	0.11	13,027	201.13	0.20
18.10	0.10	12,992	201.13	0.20
18.20	0.10	12,956	201.12	0.20
18.30	0.10	12,921	201.12	0.20
18.40	0.10	12,885	201.11	0.20
18.50	0.10	12,849	201.10	0.20
18.60	0.10	12,813	201.10	0.20
18.70	0.10	12,776	201.09	0.20
18.80	0.10	12,740	201.09	0.20
18.90	0.10	12,704	201.08	0.20
19.00	0.10	12,667	201.08	0.20
19.10	0.10	12,631	201.07	0.20
19.20	0.10	12,594	201.07	0.20
19.30	0.10	12,557	201.06	0.20
19.40	0.10	12,520	201.06	0.20
19.50	0.09	12,483	201.05	0.20
19.60	0.09	12,446	201.05	0.20
19.70	0.09	12,409	201.04	0.20
19.80	0.09	12,372	201.03	0.20
19.90	0.09	12,335	201.03	0.20
20.00	0.09	12,297	201.02	0.20
20.10	0.09	12,260	201.02	0.20
20.20	0.09	12,222	201.01	0.19
20.30	0.09	12,185	201.01	0.19
20.40	0.09	12,147	201.00	0.19
20.50	0.09	12,109	201.00	0.19
20.60	0.09	12,071	200.99	0.19
20.70	0.09	12,033	200.98	0.19

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	11,995	200.98	0.19
20.90	0.09	11,957	200.97	0.19
21.00	0.09	11,919	200.97	0.19
21.10	0.08	11,880	200.96	0.19
21.20	0.08	11,842	200.96	0.19
21.30	0.08	11,803	200.95	0.19
21.40	0.08	11,765	200.95	0.19
21.50	0.08	11,726	200.94	0.19
21.60	0.08	11,687	200.93	0.19
21.70	0.08	11,648	200.93	0.19
21.80	0.08	11,610	200.92	0.19
21.90	0.08	11,571	200.92	0.19
22.00	0.08	11,532	200.91	0.19
22.10	0.08	11,492	200.90	0.19
22.20	0.08	11,453	200.90	0.19
22.30	0.08	11,414	200.89	0.19
22.40	0.08	11,375	200.89	0.19
22.50	0.08	11,335	200.88	0.19
22.60	0.08	11,296	200.88	0.19
22.70	0.07	11,256	200.87	0.18
22.80	0.07	11,216	200.86	0.18
22.90	0.07	11,177	200.86	0.18
23.00	0.07	11,137	200.85	0.18
23.10	0.07	11,097	200.85	0.18
23.20	0.07	11,057	200.84	0.18
23.30	0.07	11,017	200.83	0.18
23.40	0.07	10,977	200.83	0.18
23.50	0.07	10,937	200.82	0.18
23.60	0.07	10,897	200.82	0.18
23.70	0.07	10,856	200.81	0.18
23.80	0.07	10,816	200.80	0.18
23.90	0.07	10,776	200.80	0.18
24.00	0.08	10,739	200.79	0.18
24.10	0.00	10,683	200.78	0.18
24.20	0.00	10,619	200.77	0.18
24.30	0.00	10,556	200.76	0.18
24.40	0.00	10,492	200.75	0.18
24.50	0.00	10,429	200.74	0.18
24.60	0.00	10,366	200.73	0.17
24.70	0.00	10,303	200.73	0.17
24.80	0.00	10,241	200.72	0.17
24.90	0.00	10,179	200.71	0.17
25.00	0.00	10,117	200.70	0.17
25.10	0.00	10,055	200.69	0.17
25.20	0.00	9,994	200.68	0.17
25.30	0.00	9,933	200.67	0.17
25.40	0.00	9,872	200.66	0.17
25.50	0.00	9,811	200.65	0.17
25.60	0.00	9,751	200.64	0.17
25.70	0.00	9,691	200.63	0.17
25.80	0.00	9,631	200.62	0.17
25.90	0.00	9,572	200.61	0.16

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,513	200.60	0.16
26.10	0.00	9,454	200.59	0.16
26.20	0.00	9,395	200.59	0.16
26.30	0.00	9,337	200.58	0.16
26.40	0.00	9,278	200.57	0.16
26.50	0.00	9,221	200.56	0.16
26.60	0.00	9,163	200.55	0.16
26.70	0.00	9,106	200.54	0.16
26.80	0.00	9,049	200.53	0.16
26.90	0.00	8,992	200.52	0.16
27.00	0.00	8,935	200.51	0.16
27.10	0.00	8,879	200.51	0.16
27.20	0.00	8,823	200.50	0.16
27.30	0.00	8,767	200.49	0.15
27.40	0.00	8,712	200.48	0.15
27.50	0.00	8,657	200.47	0.15
27.60	0.00	8,602	200.46	0.15
27.70	0.00	8,547	200.45	0.15
27.80	0.00	8,493	200.45	0.15
27.90	0.00	8,439	200.44	0.15
28.00	0.00	8,385	200.43	0.15
28.10	0.00	8,332	200.42	0.15
28.20	0.00	8,278	200.41	0.15
28.30	0.00	8,226	200.40	0.15
28.40	0.00	8,173	200.39	0.15
28.50	0.00	8,120	200.39	0.15
28.60	0.00	8,068	200.38	0.14
28.70	0.00	8,016	200.37	0.14
28.80	0.00	7,965	200.36	0.14
28.90	0.00	7,914	200.35	0.14
29.00	0.00	7,863	200.35	0.14
29.10	0.00	7,812	200.34	0.14
29.20	0.00	7,761	200.33	0.14
29.30	0.00	7,711	200.32	0.14
29.40	0.00	7,661	200.31	0.14
29.50	0.00	7,612	200.31	0.14
29.60	0.00	7,562	200.30	0.14
29.70	0.00	7,513	200.29	0.14
29.80	0.00	7,464	200.28	0.14
29.90	0.00	7,416	200.27	0.13
30.00	0.00	7,368	200.27	0.13
30.10	0.00	7,320	200.26	0.13
30.20	0.00	7,272	200.25	0.13
30.30	0.00	7,225	200.24	0.13
30.40	0.00	7,177	200.24	0.13
30.50	0.00	7,131	200.23	0.13
30.60	0.00	7,084	200.22	0.13
30.70	0.00	7,038	200.21	0.13
30.80	0.00	6,992	200.21	0.13
30.90	0.00	6,946	200.20	0.13
31.00	0.00	6,901	200.19	0.13
31.10	0.00	6,855	200.18	0.13

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,811	200.18	0.12
31.30	0.00	6,766	200.17	0.12
31.40	0.00	6,722	200.16	0.12
31.50	0.00	6,678	200.16	0.12
31.60	0.00	6,634	200.15	0.12
31.70	0.00	6,590	200.14	0.12
31.80	0.00	6,547	200.13	0.12
31.90	0.00	6,504	200.13	0.12
32.00	0.00	6,462	200.12	0.12
32.10	0.00	6,420	200.11	0.12
32.20	0.00	6,377	200.11	0.12
32.30	0.00	6,336	200.10	0.12
32.40	0.00	6,294	200.09	0.11
32.50	0.00	6,253	200.09	0.11
32.60	0.00	6,212	200.08	0.11
32.70	0.00	6,172	200.07	0.11
32.80	0.00	6,131	200.07	0.11
32.90	0.00	6,091	200.06	0.11
33.00	0.00	6,051	200.05	0.11
33.10	0.00	6,012	200.05	0.11
33.20	0.00	5,973	200.04	0.11
33.30	0.00	5,934	200.03	0.11
33.40	0.00	5,895	200.03	0.11
33.50	0.00	5,857	200.02	0.11
33.60	0.00	5,819	200.02	0.11
33.70	0.00	5,781	200.01	0.10
33.80	0.00	5,744	200.00	0.10
33.90	0.00	5,707	200.00	0.10
34.00	0.00	5,670	199.99	0.10
34.10	0.00	5,633	199.98	0.10
34.20	0.00	5,597	199.98	0.10
34.30	0.00	5,561	199.97	0.10
34.40	0.00	5,525	199.97	0.10
34.50	0.00	5,490	199.96	0.10
34.60	0.00	5,455	199.96	0.10
34.70	0.00	5,420	199.95	0.10
34.80	0.00	5,385	199.94	0.10
34.90	0.00	5,351	199.94	0.09
35.00	0.00	5,317	199.93	0.09
35.10	0.00	5,283	199.93	0.09
35.20	0.00	5,250	199.92	0.09
35.30	0.00	5,217	199.92	0.09
35.40	0.00	5,184	199.91	0.09
35.50	0.00	5,151	199.90	0.09
35.60	0.00	5,119	199.90	0.09
35.70	0.00	5,087	199.89	0.09
35.80	0.00	5,055	199.89	0.09
35.90	0.00	5,024	199.88	0.09
36.00	0.00	4,993	199.88	0.09
36.10	0.00	4,962	199.87	0.09
36.20	0.00	4,932	199.87	0.08
36.30	0.00	4,902	199.86	0.08

Hydrograph for Pond B-6: Basin #6 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,872	199.86	0.08
36.50	0.00	4,842	199.85	0.08
36.60	0.00	4,813	199.85	0.08
36.70	0.00	4,784	199.84	0.08
36.80	0.00	4,755	199.84	0.08
36.90	0.00	4,727	199.83	0.08
37.00	0.00	4,698	199.83	0.08
37.10	0.00	4,671	199.82	0.08
37.20	0.00	4,643	199.82	0.08
37.30	0.00	4,616	199.82	0.08
37.40	0.00	4,589	199.81	0.07
37.50	0.00	4,562	199.81	0.07
37.60	0.00	4,536	199.80	0.07
37.70	0.00	4,510	199.80	0.07
37.80	0.00	4,484	199.79	0.07
37.90	0.00	4,458	199.79	0.07
38.00	0.00	4,433	199.78	0.07
38.10	0.00	4,408	199.78	0.07
38.20	0.00	4,384	199.78	0.07
38.30	0.00	4,359	199.77	0.07
38.40	0.00	4,335	199.77	0.07
38.50	0.00	4,312	199.76	0.07
38.60	0.00	4,288	199.76	0.06
38.70	0.00	4,265	199.76	0.06
38.80	0.00	4,242	199.75	0.06
38.90	0.00	4,220	199.75	0.06
39.00	0.00	4,198	199.74	0.06
39.10	0.00	4,176	199.74	0.06
39.20	0.00	4,154	199.74	0.06
39.30	0.00	4,133	199.73	0.06
39.40	0.00	4,112	199.73	0.06
39.50	0.00	4,091	199.73	0.06
39.60	0.00	4,070	199.72	0.06
39.70	0.00	4,050	199.72	0.06
39.80	0.00	4,030	199.72	0.05
39.90	0.00	4,011	199.71	0.05
40.00	0.00	3,991	199.71	0.05

Stage-Discharge for Pond B-6: Basin #6

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.00	200.04	0.11	200.56	0.16
199.01	0.00	199.53	0.00	200.05	0.11	200.57	0.16
199.02	0.00	199.54	0.00	200.06	0.11	200.58	0.16
199.03	0.00	199.55	0.00	200.07	0.11	200.59	0.16
199.04	0.00	199.56	0.01	200.08	0.11	200.60	0.16
199.05	0.00	199.57	0.01	200.09	0.11	200.61	0.16
199.06	0.00	199.58	0.01	200.10	0.12	200.62	0.17
199.07	0.00	199.59	0.01	200.11	0.12	200.63	0.17
199.08	0.00	199.60	0.02	200.12	0.12	200.64	0.17
199.09	0.00	199.61	0.02	200.13	0.12	200.65	0.17
199.10	0.00	199.62	0.02	200.14	0.12	200.66	0.17
199.11	0.00	199.63	0.03	200.15	0.12	200.67	0.17
199.12	0.00	199.64	0.03	200.16	0.12	200.68	0.17
199.13	0.00	199.65	0.03	200.17	0.12	200.69	0.17
199.14	0.00	199.66	0.04	200.18	0.12	200.70	0.17
199.15	0.00	199.67	0.04	200.19	0.13	200.71	0.17
199.16	0.00	199.68	0.05	200.20	0.13	200.72	0.17
199.17	0.00	199.69	0.05	200.21	0.13	200.73	0.17
199.18	0.00	199.70	0.05	200.22	0.13	200.74	0.17
199.19	0.00	199.71	0.05	200.23	0.13	200.75	0.18
199.20	0.00	199.72	0.06	200.24	0.13	200.76	0.18
199.21	0.00	199.73	0.06	200.25	0.13	200.77	0.18
199.22	0.00	199.74	0.06	200.26	0.13	200.78	0.18
199.23	0.00	199.75	0.06	200.27	0.13	200.79	0.18
199.24	0.00	199.76	0.06	200.28	0.13	200.80	0.18
199.25	0.00	199.77	0.07	200.29	0.14	200.81	0.18
199.26	0.00	199.78	0.07	200.30	0.14	200.82	0.18
199.27	0.00	199.79	0.07	200.31	0.14	200.83	0.18
199.28	0.00	199.80	0.07	200.32	0.14	200.84	0.18
199.29	0.00	199.81	0.07	200.33	0.14	200.85	0.18
199.30	0.00	199.82	0.08	200.34	0.14	200.86	0.18
199.31	0.00	199.83	0.08	200.35	0.14	200.87	0.18
199.32	0.00	199.84	0.08	200.36	0.14	200.88	0.19
199.33	0.00	199.85	0.08	200.37	0.14	200.89	0.19
199.34	0.00	199.86	0.08	200.38	0.14	200.90	0.19
199.35	0.00	199.87	0.08	200.39	0.15	200.91	0.19
199.36	0.00	199.88	0.09	200.40	0.15	200.92	0.19
199.37	0.00	199.89	0.09	200.41	0.15	200.93	0.19
199.38	0.00	199.90	0.09	200.42	0.15	200.94	0.19
199.39	0.00	199.91	0.09	200.43	0.15	200.95	0.19
199.40	0.00	199.92	0.09	200.44	0.15	200.96	0.19
199.41	0.00	199.93	0.09	200.45	0.15	200.97	0.19
199.42	0.00	199.94	0.10	200.46	0.15	200.98	0.19
199.43	0.00	199.95	0.10	200.47	0.15	200.99	0.19
199.44	0.00	199.96	0.10	200.48	0.15	201.00	0.19
199.45	0.00	199.97	0.10	200.49	0.15	201.01	0.19
199.46	0.00	199.98	0.10	200.50	0.16	201.02	0.20
199.47	0.00	199.99	0.10	200.51	0.16	201.03	0.20
199.48	0.00	200.00	0.10	200.52	0.16	201.04	0.20
199.49	0.00	200.01	0.10	200.53	0.16	201.05	0.20
199.50	0.00	200.02	0.11	200.54	0.16	201.06	0.20
199.51	0.00	200.03	0.11	200.55	0.16	201.07	0.20

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
201.08	0.20	201.60	0.23	202.12	0.26	202.64	0.29
201.09	0.20	201.61	0.23	202.13	0.26	202.65	0.29
201.10	0.20	201.62	0.23	202.14	0.26	202.66	0.29
201.11	0.20	201.63	0.23	202.15	0.26	202.67	0.29
201.12	0.20	201.64	0.23	202.16	0.26	202.68	0.29
201.13	0.20	201.65	0.23	202.17	0.26	202.69	0.29
201.14	0.20	201.66	0.24	202.18	0.26	202.70	0.29
201.15	0.20	201.67	0.24	202.19	0.26	202.71	0.29
201.16	0.20	201.68	0.24	202.20	0.26	202.72	0.29
201.17	0.21	201.69	0.24	202.21	0.26	202.73	0.29
201.18	0.21	201.70	0.24	202.22	0.27	202.74	0.29
201.19	0.21	201.71	0.24	202.23	0.27	202.75	0.29
201.20	0.21	201.72	0.24	202.24	0.27	202.76	0.29
201.21	0.21	201.73	0.24	202.25	0.27	202.77	0.29
201.22	0.21	201.74	0.24	202.26	0.27	202.78	0.29
201.23	0.21	201.75	0.24	202.27	0.27	202.79	0.29
201.24	0.21	201.76	0.24	202.28	0.27	202.80	0.29
201.25	0.21	201.77	0.24	202.29	0.27	202.81	0.29
201.26	0.21	201.78	0.24	202.30	0.27	202.82	0.29
201.27	0.21	201.79	0.24	202.31	0.27	202.83	0.29
201.28	0.21	201.80	0.24	202.32	0.27	202.84	0.30
201.29	0.21	201.81	0.24	202.33	0.27	202.85	0.30
201.30	0.21	201.82	0.24	202.34	0.27	202.86	0.30
201.31	0.21	201.83	0.24	202.35	0.27	202.87	0.30
201.32	0.22	201.84	0.25	202.36	0.27	202.88	0.30
201.33	0.22	201.85	0.25	202.37	0.27	202.89	0.30
201.34	0.22	201.86	0.25	202.38	0.27	202.90	0.30
201.35	0.22	201.87	0.25	202.39	0.27	202.91	0.30
201.36	0.22	201.88	0.25	202.40	0.27	202.92	0.30
201.37	0.22	201.89	0.25	202.41	0.27	202.93	0.30
201.38	0.22	201.90	0.25	202.42	0.28	202.94	0.30
201.39	0.22	201.91	0.25	202.43	0.28	202.95	0.30
201.40	0.22	201.92	0.25	202.44	0.28	202.96	0.30
201.41	0.22	201.93	0.25	202.45	0.28	202.97	0.30
201.42	0.22	201.94	0.25	202.46	0.28	202.98	0.30
201.43	0.22	201.95	0.25	202.47	0.28	202.99	0.30
201.44	0.22	201.96	0.25	202.48	0.28	203.00	0.30
201.45	0.22	201.97	0.25	202.49	0.28	203.01	0.32
201.46	0.22	201.98	0.25	202.50	0.28	203.02	0.34
201.47	0.22	201.99	0.25	202.51	0.28	203.03	0.37
201.48	0.22	202.00	0.25	202.52	0.28	203.04	0.41
201.49	0.23	202.01	0.25	202.53	0.28	203.05	0.45
201.50	0.23	202.02	0.26	202.54	0.28	203.06	0.50
201.51	0.23	202.03	0.26	202.55	0.28	203.07	0.55
201.52	0.23	202.04	0.26	202.56	0.28	203.08	0.60
201.53	0.23	202.05	0.26	202.57	0.28	203.09	0.66
201.54	0.23	202.06	0.26	202.58	0.28	203.10	0.72
201.55	0.23	202.07	0.26	202.59	0.28	203.11	0.78
201.56	0.23	202.08	0.26	202.60	0.28	203.12	0.85
201.57	0.23	202.09	0.26	202.61	0.28	203.13	0.92
201.58	0.23	202.10	0.26	202.62	0.29	203.14	0.99
201.59	0.23	202.11	0.26	202.63	0.29	203.15	1.06

Stage-Discharge for Pond B-6: Basin #6 (continued)

Elevation (feet)	Primary (cfs)
203.16	1.14
203.17	1.22
203.18	1.30
203.19	1.38
203.20	1.47
203.21	1.56
203.22	1.65
203.23	1.74
203.24	1.83
203.25	1.93
203.26	2.03
203.27	2.12
203.28	2.23
203.29	2.33
203.30	2.43
203.31	2.54
203.32	2.65
203.33	2.76
203.34	2.87
203.35	2.98
203.36	3.09
203.37	3.21
203.38	3.32
203.39	3.44
203.40	3.56
203.41	3.68
203.42	3.81
203.43	3.93
203.44	4.06
203.45	4.18
203.46	4.31
203.47	4.44
203.48	4.57
203.49	4.70
203.50	4.83
203.51	5.08
203.52	5.43
203.53	5.85
203.54	6.31
203.55	6.83
203.56	7.38
203.57	7.97
203.58	8.59
203.59	9.25
203.60	9.94
203.61	10.66
203.62	11.41
203.63	12.18
203.64	12.98
203.65	13.81
203.66	14.66
203.67	15.53
203.68	16.43
203.69	17.35
203.70	18.29
203.71	19.29
203.72	20.32
203.73	21.38
203.74	22.46
203.75	23.56
203.76	24.70
203.77	25.86
203.78	27.04
203.79	28.25
203.80	29.49
203.81	30.75
203.82	32.04
203.83	33.35
203.84	34.69
203.85	36.05
203.86	37.44
203.87	38.85
203.88	40.29
203.89	41.75
203.90	43.24
203.91	44.77
203.92	46.34
203.93	47.84
203.94	49.29
203.95	50.77
203.96	52.27
203.97	53.80
203.98	55.36
203.99	56.94
204.00	**58.55**

Stage-Area-Storage for Pond B-6: Basin #6

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	5,389	0	199.52	5,738	2,893
199.01	5,396	54	199.53	5,745	2,950
199.02	5,402	108	199.54	5,751	3,008
199.03	5,409	162	199.55	5,758	3,065
199.04	5,416	216	199.56	5,765	3,123
199.05	5,423	270	199.57	5,771	3,181
199.06	5,429	325	199.58	5,778	3,238
199.07	5,436	379	199.59	5,785	3,296
199.08	5,443	433	199.60	5,792	3,354
199.09	5,449	488	199.61	5,798	3,412
199.10	5,456	542	199.62	5,805	3,470
199.11	5,463	597	199.63	5,812	3,528
199.12	5,470	652	199.64	5,818	3,586
199.13	5,476	706	199.65	5,825	3,645
199.14	5,483	761	199.66	5,832	3,703
199.15	5,490	816	199.67	5,839	3,761
199.16	5,496	871	199.68	5,845	3,820
199.17	5,503	926	199.69	5,852	3,878
199.18	5,510	981	199.70	5,859	3,937
199.19	5,516	1,036	199.71	5,865	3,995
199.20	5,523	1,091	199.72	5,872	4,054
199.21	5,530	1,146	199.73	5,879	4,113
199.22	5,537	1,202	199.74	5,886	4,172
199.23	5,543	1,257	199.75	5,892	4,230
199.24	5,550	1,313	199.76	5,899	4,289
199.25	5,557	1,368	199.77	5,906	4,348
199.26	5,563	1,424	199.78	5,912	4,408
199.27	5,570	1,479	199.79	5,919	4,467
199.28	5,577	1,535	199.80	5,926	4,526
199.29	5,584	1,591	199.81	5,933	4,585
199.30	5,590	1,647	199.82	5,939	4,645
199.31	5,597	1,703	199.83	5,946	4,704
199.32	5,604	1,759	199.84	5,953	4,763
199.33	5,610	1,815	199.85	5,959	4,823
199.34	5,617	1,871	199.86	5,966	4,883
199.35	5,624	1,927	199.87	5,973	4,942
199.36	5,631	1,984	199.88	5,979	5,002
199.37	5,637	2,040	199.89	5,986	5,062
199.38	5,644	2,096	199.90	5,993	5,122
199.39	5,651	2,153	199.91	6,000	5,182
199.40	5,657	2,209	199.92	6,006	5,242
199.41	5,664	2,266	199.93	6,013	5,302
199.42	5,671	2,323	199.94	6,020	5,362
199.43	5,678	2,379	199.95	6,026	5,422
199.44	5,684	2,436	199.96	6,033	5,483
199.45	5,691	2,493	199.97	6,040	5,543
199.46	5,698	2,550	199.98	6,047	5,603
199.47	5,704	2,607	199.99	6,053	5,664
199.48	5,711	2,664	200.00	6,060	5,725
199.49	5,718	2,721	200.01	6,067	5,785
199.50	5,725	2,778	200.02	6,074	5,846
199.51	5,731	2,836	200.03	6,081	5,907

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	6,088	5,967	200.56	6,453	9,228
200.05	6,095	6,028	200.57	6,460	9,293
200.06	6,102	6,089	200.58	6,467	9,357
200.07	6,109	6,150	200.59	6,474	9,422
200.08	6,116	6,212	200.60	6,481	9,487
200.09	6,123	6,273	200.61	6,488	9,552
200.10	6,130	6,334	200.62	6,495	9,616
200.11	6,137	6,395	200.63	6,502	9,681
200.12	6,144	6,457	200.64	6,509	9,746
200.13	6,151	6,518	200.65	6,516	9,812
200.14	6,158	6,580	200.66	6,523	9,877
200.15	6,165	6,641	200.67	6,530	9,942
200.16	6,172	6,703	200.68	6,537	10,007
200.17	6,179	6,765	200.69	6,544	10,073
200.18	6,186	6,827	200.70	6,551	10,138
200.19	6,193	6,889	200.71	6,558	10,204
200.20	6,200	6,951	200.72	6,565	10,269
200.21	6,207	7,013	200.73	6,572	10,335
200.22	6,214	7,075	200.74	6,579	10,401
200.23	6,221	7,137	200.75	6,586	10,467
200.24	6,228	7,199	200.76	6,593	10,533
200.25	6,235	7,261	200.77	6,600	10,599
200.26	6,242	7,324	200.78	6,607	10,665
200.27	6,249	7,386	200.79	6,614	10,731
200.28	6,256	7,449	200.80	6,621	10,797
200.29	6,263	7,511	200.81	6,628	10,863
200.30	6,270	7,574	200.82	6,635	10,929
200.31	6,277	7,637	200.83	6,642	10,996
200.32	6,284	7,700	200.84	6,649	11,062
200.33	6,291	7,762	200.85	6,656	11,129
200.34	6,298	7,825	200.86	6,663	11,195
200.35	6,305	7,888	200.87	6,670	11,262
200.36	6,312	7,952	200.88	6,677	11,329
200.37	6,319	8,015	200.89	6,684	11,396
200.38	6,326	8,078	200.90	6,691	11,462
200.39	6,333	8,141	200.91	6,698	11,529
200.40	6,340	8,205	200.92	6,705	11,596
200.41	6,347	8,268	200.93	6,712	11,663
200.42	6,354	8,332	200.94	6,719	11,731
200.43	6,361	8,395	200.95	6,726	11,798
200.44	6,368	8,459	200.96	6,733	11,865
200.45	6,375	8,522	200.97	6,740	11,932
200.46	6,382	8,586	200.98	6,747	12,000
200.47	6,389	8,650	200.99	6,754	12,067
200.48	6,396	8,714	201.00	6,761	12,135
200.49	6,403	8,778	201.01	6,768	12,203
200.50	6,411	8,842	201.02	6,776	12,270
200.51	6,418	8,906	201.03	6,783	12,338
200.52	6,425	8,970	201.04	6,790	12,406
200.53	6,432	9,035	201.05	6,797	12,474
200.54	6,439	9,099	201.06	6,805	12,542
200.55	6,446	9,164	201.07	6,812	12,610

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	6,819	12,678	201.60	7,198	16,323
201.09	6,827	12,746	201.61	7,206	16,395
201.10	6,834	12,815	201.62	7,213	16,467
201.11	6,841	12,883	201.63	7,220	16,539
201.12	6,848	12,952	201.64	7,228	16,611
201.13	6,856	13,020	201.65	7,235	16,684
201.14	6,863	13,089	201.66	7,242	16,756
201.15	6,870	13,157	201.67	7,249	16,828
201.16	6,878	13,226	201.68	7,257	16,901
201.17	6,885	13,295	201.69	7,264	16,974
201.18	6,892	13,364	201.70	7,271	17,046
201.19	6,900	13,433	201.71	7,279	17,119
201.20	6,907	13,502	201.72	7,286	17,192
201.21	6,914	13,571	201.73	7,293	17,265
201.22	6,921	13,640	201.74	7,300	17,338
201.23	6,929	13,709	201.75	7,308	17,411
201.24	6,936	13,779	201.76	7,315	17,484
201.25	6,943	13,848	201.77	7,322	17,557
201.26	6,951	13,918	201.78	7,330	17,630
201.27	6,958	13,987	201.79	7,337	17,704
201.28	6,965	14,057	201.80	7,344	17,777
201.29	6,972	14,126	201.81	7,351	17,851
201.30	6,980	14,196	201.82	7,359	17,924
201.31	6,987	14,266	201.83	7,366	17,998
201.32	6,994	14,336	201.84	7,373	18,071
201.33	7,002	14,406	201.85	7,381	18,145
201.34	7,009	14,476	201.86	7,388	18,219
201.35	7,016	14,546	201.87	7,395	18,293
201.36	7,023	14,616	201.88	7,403	18,367
201.37	7,031	14,686	201.89	7,410	18,441
201.38	7,038	14,757	201.90	7,417	18,515
201.39	7,045	14,827	201.91	7,424	18,589
201.40	7,053	14,898	201.92	7,432	18,664
201.41	7,060	14,968	201.93	7,439	18,738
201.42	7,067	15,039	201.94	7,446	18,812
201.43	7,074	15,110	201.95	7,454	18,887
201.44	7,082	15,180	201.96	7,461	18,961
201.45	7,089	15,251	201.97	7,468	19,036
201.46	7,096	15,322	201.98	7,475	19,111
201.47	7,104	15,393	201.99	7,483	19,186
201.48	7,111	15,464	202.00	7,490	19,261
201.49	7,118	15,535	202.01	7,498	19,335
201.50	7,126	15,607	202.02	7,505	19,410
201.51	7,133	15,678	202.03	7,513	19,486
201.52	7,140	15,749	202.04	7,520	19,561
201.53	7,147	15,821	202.05	7,528	19,636
201.54	7,155	15,892	202.06	7,535	19,711
201.55	7,162	15,964	202.07	7,543	19,787
201.56	7,169	16,035	202.08	7,551	19,862
201.57	7,177	16,107	202.09	7,558	19,938
201.58	7,184	16,179	202.10	7,566	20,013
201.59	7,191	16,251	202.11	7,573	20,089

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.12	7,581	20,165	202.64	7,974	24,209
202.13	7,588	20,241	202.65	7,982	24,289
202.14	7,596	20,317	202.66	7,990	24,369
202.15	7,604	20,393	202.67	7,997	24,449
202.16	7,611	20,469	202.68	8,005	24,529
202.17	7,619	20,545	202.69	8,012	24,609
202.18	7,626	20,621	202.70	8,020	24,689
202.19	7,634	20,697	202.71	8,027	24,769
202.20	7,641	20,774	202.72	8,035	24,850
202.21	7,649	20,850	202.73	8,043	24,930
202.22	7,657	20,927	202.74	8,050	25,010
202.23	7,664	21,003	202.75	8,058	25,091
202.24	7,672	21,080	202.76	8,065	25,172
202.25	7,679	21,157	202.77	8,073	25,252
202.26	7,687	21,233	202.78	8,080	25,333
202.27	7,694	21,310	202.79	8,088	25,414
202.28	7,702	21,387	202.80	8,096	25,495
202.29	7,710	21,464	202.81	8,103	25,576
202.30	7,717	21,542	202.82	8,111	25,657
202.31	7,725	21,619	202.83	8,118	25,738
202.32	7,732	21,696	202.84	8,126	25,819
202.33	7,740	21,773	202.85	8,133	25,900
202.34	7,747	21,851	202.86	8,141	25,982
202.35	7,755	21,928	202.87	8,149	26,063
202.36	7,763	22,006	202.88	8,156	26,145
202.37	7,770	22,084	202.89	8,164	26,226
202.38	7,778	22,161	202.90	8,171	26,308
202.39	7,785	22,239	202.91	8,179	26,390
202.40	7,793	22,317	202.92	8,186	26,472
202.41	7,800	22,395	202.93	8,194	26,554
202.42	7,808	22,473	202.94	8,202	26,636
202.43	7,816	22,551	202.95	8,209	26,718
202.44	7,823	22,629	202.96	8,217	26,800
202.45	7,831	22,708	202.97	8,224	26,882
202.46	7,838	22,786	202.98	8,232	26,964
202.47	7,846	22,864	202.99	8,239	27,047
202.48	7,853	22,943	203.00	8,247	27,129
202.49	7,861	23,021	203.01	8,255	27,212
202.50	7,869	23,100	203.02	8,263	27,294
202.51	7,876	23,179	203.03	8,271	27,377
202.52	7,884	23,258	203.04	8,278	27,460
202.53	7,891	23,337	203.05	8,286	27,542
202.54	7,899	23,415	203.06	8,294	27,625
202.55	7,906	23,494	203.07	8,302	27,708
202.56	7,914	23,574	203.08	8,310	27,791
202.57	7,921	23,653	203.09	8,318	27,874
202.58	7,929	23,732	203.10	8,325	27,958
202.59	7,937	23,811	203.11	8,333	28,041
202.60	7,944	23,891	203.12	8,341	28,124
202.61	7,952	23,970	203.13	8,349	28,208
202.62	7,959	24,050	203.14	8,357	28,291
202.63	7,967	24,129	203.15	8,365	28,375

Stage-Area-Storage for Pond B-6: Basin #6 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.16	8,373	28,459
203.17	8,380	28,542
203.18	8,388	28,626
203.19	8,396	28,710
203.20	8,404	28,794
203.21	8,412	28,878
203.22	8,420	28,962
203.23	8,428	29,047
203.24	8,435	29,131
203.25	8,443	29,215
203.26	8,451	29,300
203.27	8,459	29,384
203.28	8,467	29,469
203.29	8,475	29,554
203.30	8,483	29,638
203.31	8,490	29,723
203.32	8,498	29,808
203.33	8,506	29,893
203.34	8,514	29,978
203.35	8,522	30,064
203.36	8,530	30,149
203.37	8,537	30,234
203.38	8,545	30,320
203.39	8,553	30,405
203.40	8,561	30,491
203.41	8,569	30,576
203.42	8,577	30,662
203.43	8,585	30,748
203.44	8,592	30,834
203.45	8,600	30,920
203.46	8,608	31,006
203.47	8,616	31,092
203.48	8,624	31,178
203.49	8,632	31,264
203.50	8,640	31,351
203.51	8,647	31,437
203.52	8,655	31,524
203.53	8,663	31,610
203.54	8,671	31,697
203.55	8,679	31,784
203.56	8,687	31,870
203.57	8,694	31,957
203.58	8,702	32,044
203.59	8,710	32,131
203.60	8,718	32,218
203.61	8,726	32,306
203.62	8,734	32,393
203.63	8,742	32,480
203.64	8,749	32,568
203.65	8,757	32,655
203.66	8,765	32,743
203.67	8,773	32,831
203.68	8,781	32,918
203.69	8,789	33,006
203.70	8,796	33,094
203.71	8,804	33,182
203.72	8,812	33,270
203.73	8,820	33,358
203.74	8,828	33,447
203.75	8,836	33,535
203.76	8,844	33,623
203.77	8,851	33,712
203.78	8,859	33,800
203.79	8,867	33,889
203.80	8,875	33,978
203.81	8,883	34,067
203.82	8,891	34,155
203.83	8,899	34,244
203.84	8,906	34,333
203.85	8,914	34,423
203.86	8,922	34,512
203.87	8,930	34,601
203.88	8,938	34,690
203.89	8,946	34,780
203.90	8,954	34,869
203.91	8,961	34,959
203.92	8,969	35,048
203.93	8,977	35,138
203.94	8,985	35,228
203.95	8,993	35,318
203.96	9,001	35,408
203.97	9,008	35,498
203.98	9,016	35,588
203.99	9,024	35,678
204.00	**9,032**	**35,769**

Summary for Pond B-7: Basin #7

Inflow Area = 1.564 ac, 62.85% Impervious, Inflow Depth = 4.63" for Future 10 yr event
Inflow = 9.29 cfs @ 12.06 hrs, Volume= 0.603 af
Outflow = 0.20 cfs @ 16.07 hrs, Volume= 0.399 af, Atten= 98%, Lag= 240.6 min
Primary = 0.20 cfs @ 16.07 hrs, Volume= 0.399 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 209.09' @ 16.07 hrs Surf.Area= 9,986 sf Storage= 19,548 cf

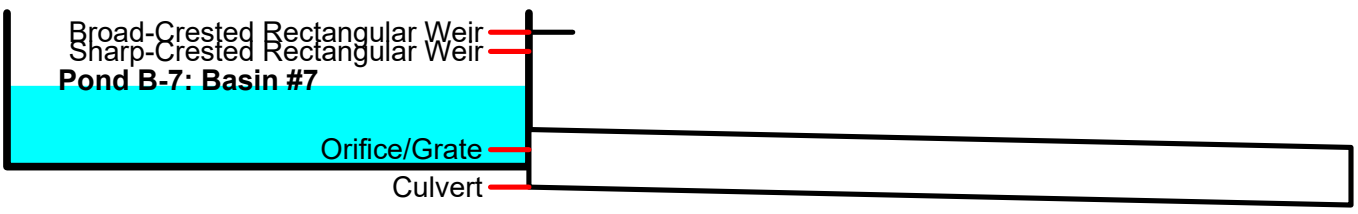
Plug-Flow detention time= 813.3 min calculated for 0.399 af (66% of inflow)
Center-of-Mass det. time= 709.4 min (1,472.4 - 763.0)

Volume	Invert	Avail.Storage	Storage Description
#1	207.00'	39,728 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

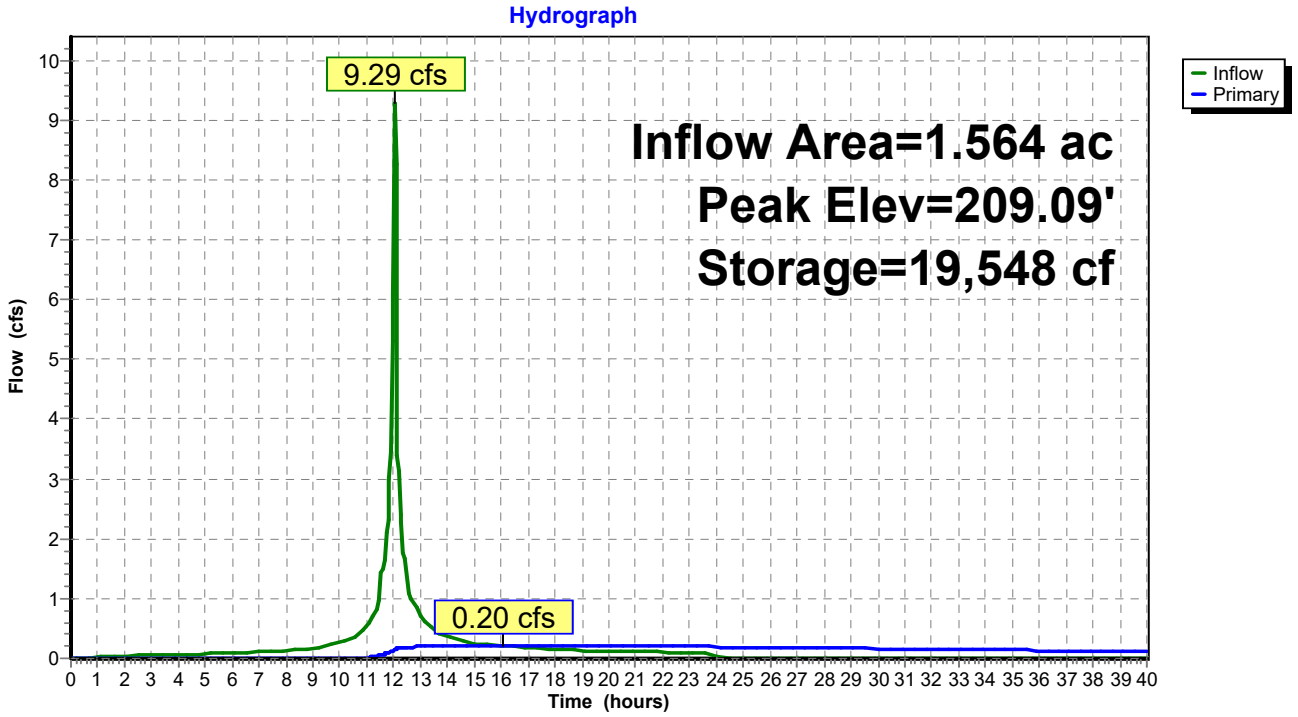
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.00	8,700	0	0
208.00	9,307	9,004	9,004
209.00	9,929	9,618	18,622
210.00	10,546	10,238	28,859
211.00	11,192	10,869	39,728

Device	Routing	Invert	Outlet Devices
#1	Primary	206.47'	**18.0" Round Culvert** L= 94.0' Ke= 0.500 Inlet / Outlet Invert= 206.47' / 206.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	207.44'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	210.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	210.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.20 cfs @ 16.07 hrs HW=209.09' (Free Discharge)
- **1=Culvert** (Passes 0.20 cfs of 9.98 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.99 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-7: Basin #7



Hydrograph for Pond B-7: Basin #7

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	207.00	0.00
0.10	0.00	0	207.00	0.00
0.20	0.00	0	207.00	0.00
0.30	0.00	0	207.00	0.00
0.40	0.00	0	207.00	0.00
0.50	0.00	0	207.00	0.00
0.60	0.00	0	207.00	0.00
0.70	0.00	0	207.00	0.00
0.80	0.01	1	207.00	0.00
0.90	0.01	4	207.00	0.00
1.00	0.01	7	207.00	0.00
1.10	0.01	12	207.00	0.00
1.20	0.02	18	207.00	0.00
1.30	0.02	25	207.00	0.00
1.40	0.02	33	207.00	0.00
1.50	0.03	41	207.00	0.00
1.60	0.03	51	207.01	0.00
1.70	0.03	61	207.01	0.00
1.80	0.03	72	207.01	0.00
1.90	0.03	84	207.01	0.00
2.00	0.04	97	207.01	0.00
2.10	0.04	110	207.01	0.00
2.20	0.04	124	207.01	0.00
2.30	0.04	139	207.02	0.00
2.40	0.04	154	207.02	0.00
2.50	0.04	170	207.02	0.00
2.60	0.05	187	207.02	0.00
2.70	0.05	204	207.02	0.00
2.80	0.05	221	207.03	0.00
2.90	0.05	239	207.03	0.00
3.00	0.05	258	207.03	0.00
3.10	0.05	277	207.03	0.00
3.20	0.05	297	207.03	0.00
3.30	0.06	317	207.04	0.00
3.40	0.06	337	207.04	0.00
3.50	0.06	358	207.04	0.00
3.60	0.06	379	207.04	0.00
3.70	0.06	401	207.05	0.00
3.80	0.06	423	207.05	0.00
3.90	0.06	446	207.05	0.00
4.00	0.06	469	207.05	0.00
4.10	0.07	492	207.06	0.00
4.20	0.07	516	207.06	0.00
4.30	0.07	540	207.06	0.00
4.40	0.07	565	207.06	0.00
4.50	0.07	590	207.07	0.00
4.60	0.07	615	207.07	0.00
4.70	0.07	640	207.07	0.00
4.80	0.07	666	207.08	0.00
4.90	0.07	693	207.08	0.00
5.00	0.07	719	207.08	0.00
5.10	0.08	746	207.09	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	773	207.09	0.00
5.30	0.08	801	207.09	0.00
5.40	0.08	829	207.09	0.00
5.50	0.08	857	207.10	0.00
5.60	0.08	885	207.10	0.00
5.70	0.08	914	207.10	0.00
5.80	0.08	943	207.11	0.00
5.90	0.08	973	207.11	0.00
6.00	0.08	1,002	207.11	0.00
6.10	0.09	1,033	207.12	0.00
6.20	0.09	1,064	207.12	0.00
6.30	0.09	1,096	207.13	0.00
6.40	0.09	1,129	207.13	0.00
6.50	0.10	1,163	207.13	0.00
6.60	0.10	1,198	207.14	0.00
6.70	0.10	1,234	207.14	0.00
6.80	0.10	1,270	207.15	0.00
6.90	0.10	1,307	207.15	0.00
7.00	0.11	1,345	207.15	0.00
7.10	0.11	1,384	207.16	0.00
7.20	0.11	1,424	207.16	0.00
7.30	0.11	1,465	207.17	0.00
7.40	0.12	1,507	207.17	0.00
7.50	0.12	1,549	207.18	0.00
7.60	0.12	1,593	207.18	0.00
7.70	0.12	1,637	207.19	0.00
7.80	0.13	1,682	207.19	0.00
7.90	0.13	1,728	207.20	0.00
8.00	0.13	1,775	207.20	0.00
8.10	0.13	1,823	207.21	0.00
8.20	0.14	1,872	207.21	0.00
8.30	0.14	1,921	207.22	0.00
8.40	0.14	1,972	207.22	0.00
8.50	0.15	2,025	207.23	0.00
8.60	0.15	2,078	207.24	0.00
8.70	0.15	2,133	207.24	0.00
8.80	0.16	2,188	207.25	0.00
8.90	0.16	2,245	207.26	0.00
9.00	0.16	2,303	207.26	0.00
9.10	0.17	2,364	207.27	0.00
9.20	0.18	2,429	207.28	0.00
9.30	0.19	2,498	207.28	0.00
9.40	0.20	2,569	207.29	0.00
9.50	0.21	2,645	207.30	0.00
9.60	0.22	2,725	207.31	0.00
9.70	0.23	2,808	207.32	0.00
9.80	0.25	2,895	207.33	0.00
9.90	0.26	2,986	207.34	0.00
10.00	0.27	3,081	207.35	0.00
10.10	0.28	3,180	207.36	0.00
10.20	0.29	3,283	207.37	0.00
10.30	0.30	3,390	207.38	0.00

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.31	3,502	207.40	0.00
10.50	0.33	3,618	207.41	0.00
10.60	0.37	3,746	207.42	0.00
10.70	0.41	3,888	207.44	0.00
10.80	0.45	4,045	207.46	0.00
10.90	0.49	4,217	207.48	0.00
11.00	0.54	4,403	207.50	0.01
11.10	0.62	4,613	207.52	0.01
11.20	0.70	4,848	207.55	0.02
11.30	0.78	5,110	207.58	0.03
11.40	0.86	5,397	207.61	0.04
11.50	1.01	5,713	207.64	0.05
11.60	1.46	6,170	207.69	0.06
11.70	1.65	6,700	207.75	0.07
11.80	2.30	7,408	207.83	0.09
11.90	3.45	8,431	207.94	0.10
12.00	**6.08**	10,201	208.13	0.13
12.10	**8.26**	13,085	208.43	0.15
12.20	3.13	14,664	208.60	0.17
12.30	2.27	15,521	208.68	0.18
12.40	1.74	16,135	208.75	0.18
12.50	1.56	16,666	208.80	0.18
12.60	1.07	17,033	208.84	0.19
12.70	1.00	17,334	208.87	0.19
12.80	0.91	17,605	208.90	0.19
12.90	0.82	17,844	208.92	0.19
13.00	0.73	18,050	208.94	0.19
13.10	0.65	18,224	208.96	0.20
13.20	0.61	18,378	208.98	0.20
13.30	0.56	18,514	208.99	0.20
13.40	0.51	18,633	209.00	0.20
13.50	0.46	18,734	209.01	0.20
13.60	0.42	18,819	209.02	0.20
13.70	0.41	18,896	209.03	0.20
13.80	0.40	18,968	209.03	0.20
13.90	0.39	19,036	209.04	0.20
14.00	0.37	19,100	209.05	0.20
14.10	0.36	19,158	209.05	0.20
14.20	0.35	19,212	209.06	0.20
14.30	0.33	19,262	209.06	0.20
14.40	0.32	19,307	209.07	0.20
14.50	0.31	19,347	209.07	0.20
14.60	0.30	19,383	209.08	0.20
14.70	0.29	19,414	209.08	0.20
14.80	0.27	19,440	209.08	0.20
14.90	0.26	19,462	209.08	0.20
15.00	0.25	19,479	209.09	0.20
15.10	0.24	19,492	209.09	0.20
15.20	0.23	19,503	209.09	0.20
15.30	0.23	19,513	209.09	0.20
15.40	0.23	19,522	209.09	0.20
15.50	0.22	19,529	209.09	0.20

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.22	19,535	209.09	0.20
15.70	0.22	19,540	209.09	0.20
15.80	0.21	19,544	209.09	0.20
15.90	0.21	19,546	209.09	0.20
16.00	0.21	**19,548**	**209.09**	**0.20**
16.10	0.20	**19,548**	**209.09**	**0.20**
16.20	0.20	19,547	209.09	0.20
16.30	0.20	19,545	209.09	0.20
16.40	0.19	19,541	209.09	0.20
16.50	0.19	19,536	209.09	0.20
16.60	0.19	19,531	209.09	0.20
16.70	0.18	19,524	209.09	0.20
16.80	0.18	19,515	209.09	0.20
16.90	0.18	19,506	209.09	0.20
17.00	0.17	19,496	209.09	0.20
17.10	0.17	19,484	209.09	0.20
17.20	0.17	19,471	209.09	0.20
17.30	0.16	19,457	209.08	0.20
17.40	0.16	19,442	209.08	0.20
17.50	0.16	19,425	209.08	0.20
17.60	0.15	19,408	209.08	0.20
17.70	0.15	19,389	209.08	0.20
17.80	0.15	19,369	209.08	0.20
17.90	0.14	19,348	209.07	0.20
18.00	0.14	19,326	209.07	0.20
18.10	0.14	19,303	209.07	0.20
18.20	0.14	19,279	209.07	0.20
18.30	0.14	19,255	209.06	0.20
18.40	0.13	19,231	209.06	0.20
18.50	0.13	19,206	209.06	0.20
18.60	0.13	19,182	209.06	0.20
18.70	0.13	19,157	209.05	0.20
18.80	0.13	19,131	209.05	0.20
18.90	0.13	19,106	209.05	0.20
19.00	0.13	19,080	209.05	0.20
19.10	0.13	19,054	209.04	0.20
19.20	0.13	19,028	209.04	0.20
19.30	0.13	19,002	209.04	0.20
19.40	0.13	18,975	209.04	0.20
19.50	0.13	18,948	209.03	0.20
19.60	0.12	18,921	209.03	0.20
19.70	0.12	18,894	209.03	0.20
19.80	0.12	18,867	209.02	0.20
19.90	0.12	18,839	209.02	0.20
20.00	0.12	18,811	209.02	0.20
20.10	0.12	18,783	209.02	0.20
20.20	0.12	18,754	209.01	0.20
20.30	0.12	18,725	209.01	0.20
20.40	0.12	18,696	209.01	0.20
20.50	0.12	18,667	209.00	0.20
20.60	0.12	18,638	209.00	0.20
20.70	0.12	18,608	209.00	0.20

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	18,578	209.00	0.20
20.90	0.11	18,548	208.99	0.20
21.00	0.11	18,518	208.99	0.20
21.10	0.11	18,487	208.99	0.20
21.20	0.11	18,457	208.98	0.20
21.30	0.11	18,426	208.98	0.20
21.40	0.11	18,395	208.98	0.20
21.50	0.11	18,363	208.97	0.20
21.60	0.11	18,332	208.97	0.20
21.70	0.11	18,300	208.97	0.20
21.80	0.11	18,268	208.96	0.20
21.90	0.11	18,235	208.96	0.20
22.00	0.10	18,203	208.96	0.20
22.10	0.10	18,170	208.95	0.19
22.20	0.10	18,137	208.95	0.19
22.30	0.10	18,104	208.95	0.19
22.40	0.10	18,071	208.94	0.19
22.50	0.10	18,037	208.94	0.19
22.60	0.10	18,003	208.94	0.19
22.70	0.10	17,969	208.93	0.19
22.80	0.10	17,935	208.93	0.19
22.90	0.10	17,900	208.93	0.19
23.00	0.10	17,866	208.92	0.19
23.10	0.10	17,831	208.92	0.19
23.20	0.09	17,795	208.92	0.19
23.30	0.09	17,760	208.91	0.19
23.40	0.09	17,725	208.91	0.19
23.50	0.09	17,689	208.91	0.19
23.60	0.09	17,653	208.90	0.19
23.70	0.09	17,617	208.90	0.19
23.80	0.09	17,580	208.89	0.19
23.90	0.09	17,544	208.89	0.19
24.00	0.09	17,511	208.89	0.19
24.10	0.00	17,452	208.88	0.19
24.20	0.00	17,383	208.87	0.19
24.30	0.00	17,315	208.87	0.19
24.40	0.00	17,247	208.86	0.19
24.50	0.00	17,180	208.85	0.19
24.60	0.00	17,112	208.85	0.19
24.70	0.00	17,045	208.84	0.19
24.80	0.00	16,978	208.83	0.19
24.90	0.00	16,911	208.83	0.19
25.00	0.00	16,844	208.82	0.19
25.10	0.00	16,777	208.81	0.18
25.20	0.00	16,711	208.81	0.18
25.30	0.00	16,644	208.80	0.18
25.40	0.00	16,578	208.79	0.18
25.50	0.00	16,512	208.79	0.18
25.60	0.00	16,446	208.78	0.18
25.70	0.00	16,381	208.77	0.18
25.80	0.00	16,315	208.77	0.18
25.90	0.00	16,250	208.76	0.18

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	16,185	208.75	0.18
26.10	0.00	16,120	208.75	0.18
26.20	0.00	16,056	208.74	0.18
26.30	0.00	15,991	208.73	0.18
26.40	0.00	15,927	208.73	0.18
26.50	0.00	15,863	208.72	0.18
26.60	0.00	15,799	208.71	0.18
26.70	0.00	15,735	208.71	0.18
26.80	0.00	15,671	208.70	0.18
26.90	0.00	15,608	208.69	0.18
27.00	0.00	15,545	208.69	0.18
27.10	0.00	15,482	208.68	0.17
27.20	0.00	15,419	208.67	0.17
27.30	0.00	15,356	208.67	0.17
27.40	0.00	15,293	208.66	0.17
27.50	0.00	15,231	208.65	0.17
27.60	0.00	15,169	208.65	0.17
27.70	0.00	15,107	208.64	0.17
27.80	0.00	15,045	208.64	0.17
27.90	0.00	14,983	208.63	0.17
28.00	0.00	14,922	208.62	0.17
28.10	0.00	14,861	208.62	0.17
28.20	0.00	14,800	208.61	0.17
28.30	0.00	14,739	208.60	0.17
28.40	0.00	14,678	208.60	0.17
28.50	0.00	14,617	208.59	0.17
28.60	0.00	14,557	208.59	0.17
28.70	0.00	14,497	208.58	0.17
28.80	0.00	14,437	208.57	0.17
28.90	0.00	14,377	208.57	0.17
29.00	0.00	14,317	208.56	0.17
29.10	0.00	14,258	208.55	0.16
29.20	0.00	14,198	208.55	0.16
29.30	0.00	14,139	208.54	0.16
29.40	0.00	14,080	208.54	0.16
29.50	0.00	14,022	208.53	0.16
29.60	0.00	13,963	208.52	0.16
29.70	0.00	13,905	208.52	0.16
29.80	0.00	13,846	208.51	0.16
29.90	0.00	13,788	208.51	0.16
30.00	0.00	13,731	208.50	0.16
30.10	0.00	13,673	208.49	0.16
30.20	0.00	13,615	208.49	0.16
30.30	0.00	13,558	208.48	0.16
30.40	0.00	13,501	208.48	0.16
30.50	0.00	13,444	208.47	0.16
30.60	0.00	13,387	208.46	0.16
30.70	0.00	13,331	208.46	0.16
30.80	0.00	13,274	208.45	0.16
30.90	0.00	13,218	208.45	0.16
31.00	0.00	13,162	208.44	0.16
31.10	0.00	13,106	208.43	0.15

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	13,051	208.43	0.15
31.30	0.00	12,995	208.42	0.15
31.40	0.00	12,940	208.42	0.15
31.50	0.00	12,885	208.41	0.15
31.60	0.00	12,830	208.41	0.15
31.70	0.00	12,775	208.40	0.15
31.80	0.00	12,721	208.39	0.15
31.90	0.00	12,666	208.39	0.15
32.00	0.00	12,612	208.38	0.15
32.10	0.00	12,558	208.38	0.15
32.20	0.00	12,504	208.37	0.15
32.30	0.00	12,450	208.37	0.15
32.40	0.00	12,397	208.36	0.15
32.50	0.00	12,344	208.35	0.15
32.60	0.00	12,291	208.35	0.15
32.70	0.00	12,238	208.34	0.15
32.80	0.00	12,185	208.34	0.15
32.90	0.00	12,132	208.33	0.15
33.00	0.00	12,080	208.33	0.15
33.10	0.00	12,028	208.32	0.14
33.20	0.00	11,976	208.32	0.14
33.30	0.00	11,924	208.31	0.14
33.40	0.00	11,872	208.31	0.14
33.50	0.00	11,821	208.30	0.14
33.60	0.00	11,770	208.29	0.14
33.70	0.00	11,719	208.29	0.14
33.80	0.00	11,668	208.28	0.14
33.90	0.00	11,617	208.28	0.14
34.00	0.00	11,566	208.27	0.14
34.10	0.00	11,516	208.27	0.14
34.20	0.00	11,466	208.26	0.14
34.30	0.00	11,416	208.26	0.14
34.40	0.00	11,366	208.25	0.14
34.50	0.00	11,317	208.25	0.14
34.60	0.00	11,267	208.24	0.14
34.70	0.00	11,218	208.24	0.14
34.80	0.00	11,169	208.23	0.14
34.90	0.00	11,120	208.23	0.14
35.00	0.00	11,071	208.22	0.13
35.10	0.00	11,023	208.22	0.13
35.20	0.00	10,974	208.21	0.13
35.30	0.00	10,926	208.21	0.13
35.40	0.00	10,878	208.20	0.13
35.50	0.00	10,831	208.20	0.13
35.60	0.00	10,783	208.19	0.13
35.70	0.00	10,736	208.18	0.13
35.80	0.00	10,688	208.18	0.13
35.90	0.00	10,641	208.17	0.13
36.00	0.00	10,595	208.17	0.13
36.10	0.00	10,548	208.17	0.13
36.20	0.00	10,502	208.16	0.13
36.30	0.00	10,455	208.16	0.13

Hydrograph for Pond B-7: Basin #7 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,409	208.15	0.13
36.50	0.00	10,363	208.15	0.13
36.60	0.00	10,318	208.14	0.13
36.70	0.00	10,272	208.14	0.13
36.80	0.00	10,227	208.13	0.13
36.90	0.00	10,181	208.13	0.13
37.00	0.00	10,136	208.12	0.12
37.10	0.00	10,092	208.12	0.12
37.20	0.00	10,047	208.11	0.12
37.30	0.00	10,003	208.11	0.12
37.40	0.00	9,958	208.10	0.12
37.50	0.00	9,914	208.10	0.12
37.60	0.00	9,871	208.09	0.12
37.70	0.00	9,827	208.09	0.12
37.80	0.00	9,783	208.08	0.12
37.90	0.00	9,740	208.08	0.12
38.00	0.00	9,697	208.07	0.12
38.10	0.00	9,654	208.07	0.12
38.20	0.00	9,611	208.07	0.12
38.30	0.00	9,569	208.06	0.12
38.40	0.00	9,526	208.06	0.12
38.50	0.00	9,484	208.05	0.12
38.60	0.00	9,442	208.05	0.12
38.70	0.00	9,400	208.04	0.12
38.80	0.00	9,359	208.04	0.12
38.90	0.00	9,317	208.03	0.11
39.00	0.00	9,276	208.03	0.11
39.10	0.00	9,235	208.02	0.11
39.20	0.00	9,194	208.02	0.11
39.30	0.00	9,154	208.02	0.11
39.40	0.00	9,113	208.01	0.11
39.50	0.00	9,073	208.01	0.11
39.60	0.00	9,033	208.00	0.11
39.70	0.00	8,993	208.00	0.11
39.80	0.00	8,953	207.99	0.11
39.90	0.00	8,913	207.99	0.11
40.00	0.00	8,874	207.99	0.11

Stage-Discharge for Pond B-7: Basin #7

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
207.00	0.00	207.52	0.01	208.04	0.12	208.56	0.17
207.01	0.00	207.53	0.01	208.05	0.12	208.57	0.17
207.02	0.00	207.54	0.02	208.06	0.12	208.58	0.17
207.03	0.00	207.55	0.02	208.07	0.12	208.59	0.17
207.04	0.00	207.56	0.02	208.08	0.12	208.60	0.17
207.05	0.00	207.57	0.03	208.09	0.12	208.61	0.17
207.06	0.00	207.58	0.03	208.10	0.12	208.62	0.17
207.07	0.00	207.59	0.03	208.11	0.12	208.63	0.17
207.08	0.00	207.60	0.04	208.12	0.12	208.64	0.17
207.09	0.00	207.61	0.04	208.13	0.13	208.65	0.17
207.10	0.00	207.62	0.05	208.14	0.13	208.66	0.17
207.11	0.00	207.63	0.05	208.15	0.13	208.67	0.17
207.12	0.00	207.64	0.05	208.16	0.13	208.68	0.17
207.13	0.00	207.65	0.05	208.17	0.13	208.69	0.18
207.14	0.00	207.66	0.06	208.18	0.13	208.70	0.18
207.15	0.00	207.67	0.06	208.19	0.13	208.71	0.18
207.16	0.00	207.68	0.06	208.20	0.13	208.72	0.18
207.17	0.00	207.69	0.06	208.21	0.13	208.73	0.18
207.18	0.00	207.70	0.06	208.22	0.13	208.74	0.18
207.19	0.00	207.71	0.07	208.23	0.14	208.75	0.18
207.20	0.00	207.72	0.07	208.24	0.14	208.76	0.18
207.21	0.00	207.73	0.07	208.25	0.14	208.77	0.18
207.22	0.00	207.74	0.07	208.26	0.14	208.78	0.18
207.23	0.00	207.75	0.07	208.27	0.14	208.79	0.18
207.24	0.00	207.76	0.08	208.28	0.14	208.80	0.18
207.25	0.00	207.77	0.08	208.29	0.14	208.81	0.18
207.26	0.00	207.78	0.08	208.30	0.14	208.82	0.19
207.27	0.00	207.79	0.08	208.31	0.14	208.83	0.19
207.28	0.00	207.80	0.08	208.32	0.14	208.84	0.19
207.29	0.00	207.81	0.08	208.33	0.15	208.85	0.19
207.30	0.00	207.82	0.09	208.34	0.15	208.86	0.19
207.31	0.00	207.83	0.09	208.35	0.15	208.87	0.19
207.32	0.00	207.84	0.09	208.36	0.15	208.88	0.19
207.33	0.00	207.85	0.09	208.37	0.15	208.89	0.19
207.34	0.00	207.86	0.09	208.38	0.15	208.90	0.19
207.35	0.00	207.87	0.09	208.39	0.15	208.91	0.19
207.36	0.00	207.88	0.10	208.40	0.15	208.92	0.19
207.37	0.00	207.89	0.10	208.41	0.15	208.93	0.19
207.38	0.00	207.90	0.10	208.42	0.15	208.94	0.19
207.39	0.00	207.91	0.10	208.43	0.15	208.95	0.19
207.40	0.00	207.92	0.10	208.44	0.16	208.96	0.20
207.41	0.00	207.93	0.10	208.45	0.16	208.97	0.20
207.42	0.00	207.94	0.10	208.46	0.16	208.98	0.20
207.43	0.00	207.95	0.10	208.47	0.16	208.99	0.20
207.44	0.00	207.96	0.11	208.48	0.16	209.00	0.20
207.45	0.00	207.97	0.11	208.49	0.16	209.01	0.20
207.46	0.00	207.98	0.11	208.50	0.16	209.02	0.20
207.47	0.00	207.99	0.11	208.51	0.16	209.03	0.20
207.48	0.00	208.00	0.11	208.52	0.16	209.04	0.20
207.49	0.00	208.01	0.11	208.53	0.16	209.05	0.20
207.50	0.01	208.02	0.11	208.54	0.16	209.06	0.20
207.51	0.01	208.03	0.11	208.55	0.16	209.07	0.20

Stage-Discharge for Pond B-7: Basin #7 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
209.08	0.20	209.60	0.24	210.12	0.80	210.64	12.94
209.09	0.20	209.61	0.24	210.13	0.87	210.65	13.77
209.10	0.20	209.62	0.24	210.14	0.94	210.66	14.62
209.11	0.21	209.63	0.24	210.15	1.02	210.67	15.49
209.12	0.21	209.64	0.24	210.16	1.10	210.68	16.39
209.13	0.21	209.65	0.24	210.17	1.17	210.69	17.31
209.14	0.21	209.66	0.24	210.18	1.26	210.70	18.25
209.15	0.21	209.67	0.24	210.19	1.34	210.71	19.25
209.16	0.21	209.68	0.24	210.20	1.43	210.72	20.28
209.17	0.21	209.69	0.24	210.21	1.51	210.73	21.34
209.18	0.21	209.70	0.24	210.22	1.60	210.74	22.42
209.19	0.21	209.71	0.24	210.23	1.70	210.75	23.52
209.20	0.21	209.72	0.24	210.24	1.79	210.76	24.66
209.21	0.21	209.73	0.24	210.25	1.88	210.77	25.82
209.22	0.21	209.74	0.24	210.26	1.98	210.78	27.00
209.23	0.21	209.75	0.24	210.27	2.08	210.79	28.21
209.24	0.21	209.76	0.24	210.28	2.18	210.80	29.45
209.25	0.21	209.77	0.24	210.29	2.29	210.81	30.71
209.26	0.22	209.78	0.25	210.30	2.39	210.82	32.00
209.27	0.22	209.79	0.25	210.31	2.50	210.83	33.31
209.28	0.22	209.80	0.25	210.32	2.60	210.84	34.65
209.29	0.22	209.81	0.25	210.33	2.71	210.85	36.01
209.30	0.22	209.82	0.25	210.34	2.82	210.86	37.40
209.31	0.22	209.83	0.25	210.35	2.94	210.87	38.81
209.32	0.22	209.84	0.25	210.36	3.05	210.88	40.25
209.33	0.22	209.85	0.25	210.37	3.17	210.89	41.71
209.34	0.22	209.86	0.25	210.38	3.28	210.90	43.20
209.35	0.22	209.87	0.25	210.39	3.40	210.91	44.73
209.36	0.22	209.88	0.25	210.40	3.52	210.92	46.30
209.37	0.22	209.89	0.25	210.41	3.64	210.93	47.89
209.38	0.22	209.90	0.25	210.42	3.76	210.94	49.51
209.39	0.22	209.91	0.25	210.43	3.89	210.95	51.16
209.40	0.22	209.92	0.25	210.44	4.01	210.96	52.83
209.41	0.22	209.93	0.25	210.45	4.14	210.97	54.53
209.42	0.22	209.94	0.25	210.46	4.27	210.98	56.26
209.43	0.23	209.95	0.25	210.47	4.40	210.99	58.01
209.44	0.23	209.96	0.26	210.48	4.53	211.00	**59.80**
209.45	0.23	209.97	0.26	210.49	4.66		
209.46	0.23	209.98	0.26	210.50	4.79		
209.47	0.23	209.99	0.26	210.51	5.04		
209.48	0.23	210.00	0.26	210.52	5.39		
209.49	0.23	210.01	0.27	210.53	5.81		
209.50	0.23	210.02	0.30	210.54	6.27		
209.51	0.23	210.03	0.33	210.55	6.78		
209.52	0.23	210.04	0.36	210.56	7.34		
209.53	0.23	210.05	0.41	210.57	7.93		
209.54	0.23	210.06	0.45	210.58	8.55		
209.55	0.23	210.07	0.50	210.59	9.21		
209.56	0.23	210.08	0.56	210.60	9.90		
209.57	0.23	210.09	0.61	210.61	10.62		
209.58	0.23	210.10	0.67	210.62	11.37		
209.59	0.23	210.11	0.74	210.63	12.14		

Stage-Area-Storage for Pond B-7: Basin #7

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.00	8,700	0	207.52	9,016	4,606
207.01	8,706	87	207.53	9,022	4,696
207.02	8,712	174	207.54	9,028	4,787
207.03	8,718	261	207.55	9,034	4,877
207.04	8,724	348	207.56	9,040	4,967
207.05	8,730	436	207.57	9,046	5,058
207.06	8,736	523	207.58	9,052	5,148
207.07	8,742	610	207.59	9,058	5,239
207.08	8,749	698	207.60	9,064	5,329
207.09	8,755	785	207.61	9,070	5,420
207.10	8,761	873	207.62	9,076	5,511
207.11	8,767	961	207.63	9,082	5,601
207.12	8,773	1,048	207.64	9,088	5,692
207.13	8,779	1,136	207.65	9,095	5,783
207.14	8,785	1,224	207.66	9,101	5,874
207.15	8,791	1,312	207.67	9,107	5,965
207.16	8,797	1,400	207.68	9,113	6,056
207.17	8,803	1,488	207.69	9,119	6,147
207.18	8,809	1,576	207.70	9,125	6,239
207.19	8,815	1,664	207.71	9,131	6,330
207.20	8,821	1,752	207.72	9,137	6,421
207.21	8,827	1,840	207.73	9,143	6,513
207.22	8,834	1,929	207.74	9,149	6,604
207.23	8,840	2,017	207.75	9,155	6,696
207.24	8,846	2,105	207.76	9,161	6,787
207.25	8,852	2,194	207.77	9,167	6,879
207.26	8,858	2,283	207.78	9,173	6,971
207.27	8,864	2,371	207.79	9,180	7,062
207.28	8,870	2,460	207.80	9,186	7,154
207.29	8,876	2,549	207.81	9,192	7,246
207.30	8,882	2,637	207.82	9,198	7,338
207.31	8,888	2,726	207.83	9,204	7,430
207.32	8,894	2,815	207.84	9,210	7,522
207.33	8,900	2,904	207.85	9,216	7,614
207.34	8,906	2,993	207.86	9,222	7,706
207.35	8,912	3,082	207.87	9,228	7,799
207.36	8,919	3,171	207.88	9,234	7,891
207.37	8,925	3,261	207.89	9,240	7,983
207.38	8,931	3,350	207.90	9,246	8,076
207.39	8,937	3,439	207.91	9,252	8,168
207.40	8,943	3,529	207.92	9,258	8,261
207.41	8,949	3,618	207.93	9,265	8,353
207.42	8,955	3,708	207.94	9,271	8,446
207.43	8,961	3,797	207.95	9,277	8,539
207.44	8,967	3,887	207.96	9,283	8,632
207.45	8,973	3,976	207.97	9,289	8,725
207.46	8,979	4,066	207.98	9,295	8,817
207.47	8,985	4,156	207.99	9,301	8,910
207.48	8,991	4,246	208.00	9,307	9,004
207.49	8,997	4,336	208.01	9,313	9,097
207.50	9,004	4,426	208.02	9,319	9,190
207.51	9,010	4,516	208.03	9,326	9,283

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
208.04	9,332	9,376	208.56	9,655	14,313
208.05	9,338	9,470	208.57	9,662	14,410
208.06	9,344	9,563	208.58	9,668	14,506
208.07	9,351	9,657	208.59	9,674	14,603
208.08	9,357	9,750	208.60	9,680	14,700
208.09	9,363	9,844	208.61	9,686	14,796
208.10	9,369	9,937	208.62	9,693	14,893
208.11	9,375	10,031	208.63	9,699	14,990
208.12	9,382	10,125	208.64	9,705	15,087
208.13	9,388	10,219	208.65	9,711	15,184
208.14	9,394	10,313	208.66	9,718	15,282
208.15	9,400	10,407	208.67	9,724	15,379
208.16	9,407	10,501	208.68	9,730	15,476
208.17	9,413	10,595	208.69	9,736	15,573
208.18	9,419	10,689	208.70	9,742	15,671
208.19	9,425	10,783	208.71	9,749	15,768
208.20	9,431	10,877	208.72	9,755	15,866
208.21	9,438	10,972	208.73	9,761	15,963
208.22	9,444	11,066	208.74	9,767	16,061
208.23	9,450	11,161	208.75	9,774	16,159
208.24	9,456	11,255	208.76	9,780	16,256
208.25	9,463	11,350	208.77	9,786	16,354
208.26	9,469	11,444	208.78	9,792	16,452
208.27	9,475	11,539	208.79	9,798	16,550
208.28	9,481	11,634	208.80	9,805	16,648
208.29	9,487	11,729	208.81	9,811	16,746
208.30	9,494	11,824	208.82	9,817	16,844
208.31	9,500	11,919	208.83	9,823	16,943
208.32	9,506	12,014	208.84	9,829	17,041
208.33	9,512	12,109	208.85	9,836	17,139
208.34	9,518	12,204	208.86	9,842	17,238
208.35	9,525	12,299	208.87	9,848	17,336
208.36	9,531	12,394	208.88	9,854	17,434
208.37	9,537	12,490	208.89	9,861	17,533
208.38	9,543	12,585	208.90	9,867	17,632
208.39	9,550	12,681	208.91	9,873	17,730
208.40	9,556	12,776	208.92	9,879	17,829
208.41	9,562	12,872	208.93	9,885	17,928
208.42	9,568	12,967	208.94	9,892	18,027
208.43	9,574	13,063	208.95	9,898	18,126
208.44	9,581	13,159	208.96	9,904	18,225
208.45	9,587	13,255	208.97	9,910	18,324
208.46	9,593	13,351	208.98	9,917	18,423
208.47	9,599	13,446	208.99	9,923	18,522
208.48	9,606	13,543	209.00	9,929	18,622
208.49	9,612	13,639	209.01	9,935	18,721
208.50	9,618	13,735	209.02	9,941	18,820
208.51	9,624	13,831	209.03	9,948	18,920
208.52	9,630	13,927	209.04	9,954	19,019
208.53	9,637	14,024	209.05	9,960	19,119
208.54	9,643	14,120	209.06	9,966	19,218
208.55	9,649	14,216	209.07	9,972	19,318

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
209.08	9,978	19,418	209.60	10,299	24,690
209.09	9,985	19,518	209.61	10,305	24,793
209.10	9,991	19,617	209.62	10,312	24,896
209.11	9,997	19,717	209.63	10,318	24,999
209.12	10,003	19,817	209.64	10,324	25,102
209.13	10,009	19,917	209.65	10,330	25,206
209.14	10,015	20,018	209.66	10,336	25,309
209.15	10,022	20,118	209.67	10,342	25,412
209.16	10,028	20,218	209.68	10,349	25,516
209.17	10,034	20,318	209.69	10,355	25,619
209.18	10,040	20,419	209.70	10,361	25,723
209.19	10,046	20,519	209.71	10,367	25,827
209.20	10,052	20,620	209.72	10,373	25,930
209.21	10,059	20,720	209.73	10,379	26,034
209.22	10,065	20,821	209.74	10,386	26,138
209.23	10,071	20,921	209.75	10,392	26,242
209.24	10,077	21,022	209.76	10,398	26,346
209.25	10,083	21,123	209.77	10,404	26,450
209.26	10,089	21,224	209.78	10,410	26,554
209.27	10,096	21,325	209.79	10,416	26,658
209.28	10,102	21,426	209.80	10,423	26,762
209.29	10,108	21,527	209.81	10,429	26,866
209.30	10,114	21,628	209.82	10,435	26,971
209.31	10,120	21,729	209.83	10,441	27,075
209.32	10,126	21,830	209.84	10,447	27,180
209.33	10,133	21,932	209.85	10,453	27,284
209.34	10,139	22,033	209.86	10,460	27,389
209.35	10,145	22,134	209.87	10,466	27,493
209.36	10,151	22,236	209.88	10,472	27,598
209.37	10,157	22,337	209.89	10,478	27,703
209.38	10,163	22,439	209.90	10,484	27,807
209.39	10,170	22,541	209.91	10,490	27,912
209.40	10,176	22,642	209.92	10,497	28,017
209.41	10,182	22,744	209.93	10,503	28,122
209.42	10,188	22,846	209.94	10,509	28,227
209.43	10,194	22,948	209.95	10,515	28,332
209.44	10,200	23,050	209.96	10,521	28,438
209.45	10,207	23,152	209.97	10,527	28,543
209.46	10,213	23,254	209.98	10,534	28,648
209.47	10,219	23,356	209.99	10,540	28,754
209.48	10,225	23,458	210.00	10,546	28,859
209.49	10,231	23,561	210.01	10,552	28,964
209.50	10,238	23,663	210.02	10,559	29,070
209.51	10,244	23,766	210.03	10,565	29,176
209.52	10,250	23,868	210.04	10,572	29,281
209.53	10,256	23,971	210.05	10,578	29,387
209.54	10,262	24,073	210.06	10,585	29,493
209.55	10,268	24,176	210.07	10,591	29,599
209.56	10,275	24,278	210.08	10,598	29,705
209.57	10,281	24,381	210.09	10,604	29,811
209.58	10,287	24,484	210.10	10,611	29,917
209.59	10,293	24,587	210.11	10,617	30,023

Stage-Area-Storage for Pond B-7: Basin #7 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
210.12	10,624	30,129
210.13	10,630	30,235
210.14	10,636	30,342
210.15	10,643	30,448
210.16	10,649	30,555
210.17	10,656	30,661
210.18	10,662	30,768
210.19	10,669	30,874
210.20	10,675	30,981
210.21	10,682	31,088
210.22	10,688	31,195
210.23	10,695	31,302
210.24	10,701	31,409
210.25	10,708	31,516
210.26	10,714	31,623
210.27	10,720	31,730
210.28	10,727	31,837
210.29	10,733	31,945
210.30	10,740	32,052
210.31	10,746	32,159
210.32	10,753	32,267
210.33	10,759	32,374
210.34	10,766	32,482
210.35	10,772	32,590
210.36	10,779	32,697
210.37	10,785	32,805
210.38	10,791	32,913
210.39	10,798	33,021
210.40	10,804	33,129
210.41	10,811	33,237
210.42	10,817	33,345
210.43	10,824	33,454
210.44	10,830	33,562
210.45	10,837	33,670
210.46	10,843	33,779
210.47	10,850	33,887
210.48	10,856	33,995
210.49	10,863	34,104
210.50	10,869	34,213
210.51	10,875	34,321
210.52	10,882	34,430
210.53	10,888	34,539
210.54	10,895	34,648
210.55	10,901	34,757
210.56	10,908	34,866
210.57	10,914	34,975
210.58	10,921	35,084
210.59	10,927	35,194
210.60	10,934	35,303
210.61	10,940	35,412
210.62	10,947	35,522
210.63	10,953	35,631
210.64	10,959	35,741
210.65	10,966	35,850
210.66	10,972	35,960
210.67	10,979	36,070
210.68	10,985	36,180
210.69	10,992	36,290
210.70	10,998	36,399
210.71	11,005	36,509
210.72	11,011	36,620
210.73	11,018	36,730
210.74	11,024	36,840
210.75	11,031	36,950
210.76	11,037	37,061
210.77	11,043	37,171
210.78	11,050	37,281
210.79	11,056	37,392
210.80	11,063	37,503
210.81	11,069	37,613
210.82	11,076	37,724
210.83	11,082	37,835
210.84	11,089	37,946
210.85	11,095	38,056
210.86	11,102	38,167
210.87	11,108	38,278
210.88	11,114	38,390
210.89	11,121	38,501
210.90	11,127	38,612
210.91	11,134	38,723
210.92	11,140	38,835
210.93	11,147	38,946
210.94	11,153	39,058
210.95	11,160	39,169
210.96	11,166	39,281
210.97	11,173	39,393
210.98	11,179	39,504
210.99	11,186	39,616
211.00	**11,192**	**39,728**

Summary for Pond B-8: Basin #8

Inflow Area = 2.090 ac, 23.06% Impervious, Inflow Depth = 3.61" for Future 10 yr event
Inflow = 10.38 cfs @ 12.06 hrs, Volume= 0.629 af
Outflow = 1.47 cfs @ 12.54 hrs, Volume= 0.489 af, Atten= 86%, Lag= 28.8 min
Primary = 1.47 cfs @ 12.54 hrs, Volume= 0.489 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.07' @ 12.54 hrs Surf.Area= 14,343 sf Storage= 14,753 cf

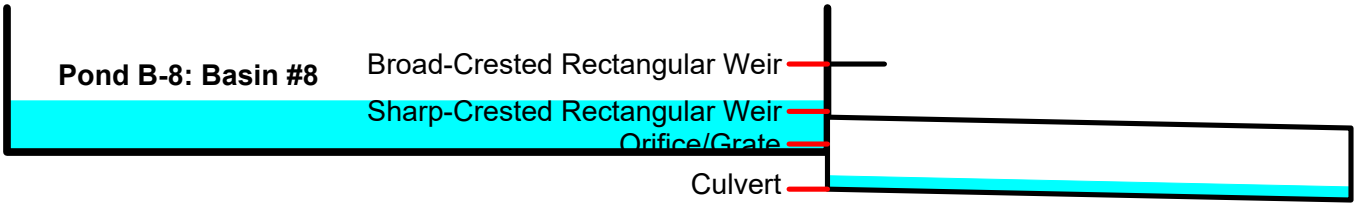
Plug-Flow detention time= 467.9 min calculated for 0.489 af (78% of inflow)
Center-of-Mass det. time= 381.6 min (1,179.5 - 797.8)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	44,379 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

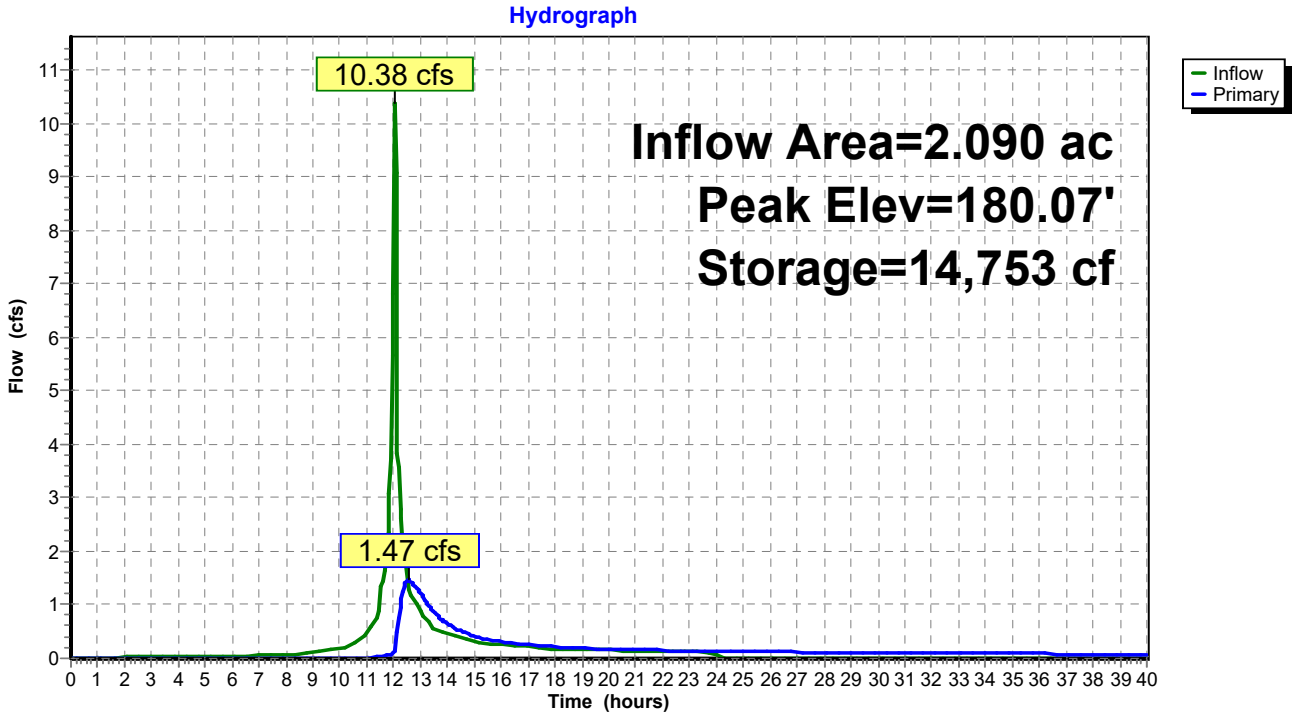
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	13,283	0	0
180.00	14,274	13,779	13,779
181.00	15,293	14,784	28,562
182.00	16,341	15,817	44,379

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.17'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	179.85'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	180.83'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.46 cfs @ 12.54 hrs HW=180.07' (Free Discharge)
- **1=Culvert** (Passes 1.46 cfs of 7.68 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.29 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 1.32 cfs @ 1.53 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-8: Basin #8



Hydrograph for Pond B-8: Basin #8

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	1	179.00	0.00
0.90	0.00	2	179.00	0.00
1.00	0.01	4	179.00	0.00
1.10	0.01	6	179.00	0.00
1.20	0.01	9	179.00	0.00
1.30	0.01	12	179.00	0.00
1.40	0.01	16	179.00	0.00
1.50	0.01	20	179.00	0.00
1.60	0.01	25	179.00	0.00
1.70	0.01	30	179.00	0.00
1.80	0.02	36	179.00	0.00
1.90	0.02	42	179.00	0.00
2.00	0.02	48	179.00	0.00
2.10	0.02	54	179.00	0.00
2.20	0.02	61	179.00	0.00
2.30	0.02	68	179.01	0.00
2.40	0.02	76	179.01	0.00
2.50	0.02	84	179.01	0.00
2.60	0.02	92	179.01	0.00
2.70	0.02	100	179.01	0.00
2.80	0.02	109	179.01	0.00
2.90	0.02	118	179.01	0.00
3.00	0.03	127	179.01	0.00
3.10	0.03	136	179.01	0.00
3.20	0.03	146	179.01	0.00
3.30	0.03	156	179.01	0.00
3.40	0.03	166	179.01	0.00
3.50	0.03	176	179.01	0.00
3.60	0.03	186	179.01	0.00
3.70	0.03	197	179.01	0.00
3.80	0.03	208	179.02	0.00
3.90	0.03	219	179.02	0.00
4.00	0.03	230	179.02	0.00
4.10	0.03	242	179.02	0.00
4.20	0.03	253	179.02	0.00
4.30	0.03	265	179.02	0.00
4.40	0.03	277	179.02	0.00
4.50	0.03	289	179.02	0.00
4.60	0.03	302	179.02	0.00
4.70	0.04	314	179.02	0.00
4.80	0.04	327	179.02	0.00
4.90	0.04	340	179.03	0.00
5.00	0.04	353	179.03	0.00
5.10	0.04	366	179.03	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	380	179.03	0.00
5.30	0.04	393	179.03	0.00
5.40	0.04	407	179.03	0.00
5.50	0.04	421	179.03	0.00
5.60	0.04	435	179.03	0.00
5.70	0.04	449	179.03	0.00
5.80	0.04	463	179.03	0.00
5.90	0.04	477	179.04	0.00
6.00	0.04	492	179.04	0.00
6.10	0.04	507	179.04	0.00
6.20	0.04	522	179.04	0.00
6.30	0.04	538	179.04	0.00
6.40	0.05	554	179.04	0.00
6.50	0.05	571	179.04	0.00
6.60	0.05	588	179.04	0.00
6.70	0.05	605	179.05	0.00
6.80	0.05	623	179.05	0.00
6.90	0.05	642	179.05	0.00
7.00	0.05	660	179.05	0.00
7.10	0.05	679	179.05	0.00
7.20	0.05	699	179.05	0.00
7.30	0.06	719	179.05	0.00
7.40	0.06	739	179.06	0.00
7.50	0.06	760	179.06	0.00
7.60	0.06	782	179.06	0.00
7.70	0.06	803	179.06	0.00
7.80	0.06	825	179.06	0.00
7.90	0.06	848	179.06	0.00
8.00	0.06	871	179.07	0.00
8.10	0.07	895	179.07	0.00
8.20	0.07	919	179.07	0.00
8.30	0.07	945	179.07	0.00
8.40	0.08	971	179.07	0.00
8.50	0.08	999	179.08	0.00
8.60	0.08	1,028	179.08	0.00
8.70	0.09	1,059	179.08	0.00
8.80	0.09	1,090	179.08	0.00
8.90	0.09	1,123	179.08	0.00
9.00	0.10	1,157	179.09	0.00
9.10	0.10	1,194	179.09	0.00
9.20	0.11	1,234	179.09	0.00
9.30	0.12	1,276	179.10	0.00
9.40	0.13	1,322	179.10	0.00
9.50	0.14	1,370	179.10	0.00
9.60	0.15	1,423	179.11	0.00
9.70	0.16	1,478	179.11	0.00
9.80	0.17	1,537	179.12	0.00
9.90	0.18	1,600	179.12	0.00
10.00	0.19	1,667	179.12	0.00
10.10	0.20	1,738	179.13	0.00
10.20	0.21	1,813	179.14	0.00
10.30	0.23	1,892	179.14	0.00

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.24	1,976	179.15	0.00
10.50	0.26	2,065	179.15	0.00
10.60	0.29	2,164	179.16	0.00
10.70	0.33	2,277	179.17	0.00
10.80	0.37	2,403	179.18	0.00
10.90	0.41	2,544	179.19	0.00
11.00	0.46	2,700	179.20	0.00
11.10	0.53	2,880	179.22	0.00
11.20	0.61	3,087	179.23	0.01
11.30	0.70	3,323	179.25	0.01
11.40	0.78	3,588	179.27	0.02
11.50	0.96	3,888	179.29	0.02
11.60	1.39	4,330	179.32	0.04
11.70	1.63	4,852	179.36	0.05
11.80	2.36	5,571	179.41	0.06
11.90	3.71	6,645	179.49	0.08
12.00	**6.81**	8,579	179.63	0.10
12.10	**9.07**	11,809	179.86	0.15
12.20	3.58	13,472	179.98	0.74
12.30	2.63	14,193	180.03	1.13
12.40	2.04	14,538	180.05	1.33
12.50	1.82	**14,736**	**180.07**	**1.46**
12.60	1.27	**14,720**	**180.07**	**1.45**
12.70	1.19	14,646	180.06	1.40
12.80	1.08	14,556	180.05	1.34
12.90	0.98	14,451	180.05	1.28
13.00	0.88	14,332	180.04	1.21
13.10	0.78	14,203	180.03	1.13
13.20	0.73	14,078	180.02	1.06
13.30	0.67	13,957	180.01	0.99
13.40	0.61	13,840	180.00	0.93
13.50	0.56	13,725	180.00	0.87
13.60	0.51	13,612	179.99	0.81
13.70	0.49	13,511	179.98	0.76
13.80	0.48	13,420	179.97	0.71
13.90	0.47	13,340	179.97	0.67
14.00	0.45	13,268	179.96	0.64
14.10	0.44	13,202	179.96	0.61
14.20	0.42	13,142	179.96	0.58
14.30	0.41	13,085	179.95	0.56
14.40	0.39	13,031	179.95	0.53
14.50	0.38	12,980	179.94	0.51
14.60	0.36	12,932	179.94	0.49
14.70	0.35	12,885	179.94	0.47
14.80	0.33	12,840	179.93	0.45
14.90	0.32	12,796	179.93	0.43
15.00	0.30	12,753	179.93	0.42
15.10	0.29	12,711	179.93	0.40
15.20	0.28	12,672	179.92	0.39
15.30	0.28	12,635	179.92	0.38
15.40	0.28	12,603	179.92	0.36
15.50	0.27	12,572	179.92	0.35

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.27	12,545	179.91	0.34
15.70	0.26	12,518	179.91	0.33
15.80	0.26	12,494	179.91	0.33
15.90	0.26	12,472	179.91	0.32
16.00	0.25	12,451	179.91	0.31
16.10	0.25	12,431	179.91	0.30
16.20	0.25	12,412	179.90	0.30
16.30	0.24	12,394	179.90	0.29
16.40	0.24	12,377	179.90	0.28
16.50	0.23	12,360	179.90	0.28
16.60	0.23	12,344	179.90	0.27
16.70	0.23	12,329	179.90	0.27
16.80	0.22	12,313	179.90	0.26
16.90	0.22	12,297	179.90	0.26
17.00	0.21	12,281	179.89	0.26
17.10	0.21	12,266	179.89	0.25
17.20	0.20	12,250	179.89	0.25
17.30	0.20	12,234	179.89	0.24
17.40	0.20	12,219	179.89	0.24
17.50	0.19	12,203	179.89	0.24
17.60	0.19	12,188	179.89	0.23
17.70	0.18	12,172	179.89	0.23
17.80	0.18	12,156	179.89	0.22
17.90	0.18	12,141	179.88	0.22
18.00	0.17	12,125	179.88	0.21
18.10	0.17	12,110	179.88	0.21
18.20	0.17	12,095	179.88	0.21
18.30	0.17	12,082	179.88	0.20
18.40	0.17	12,069	179.88	0.20
18.50	0.16	12,057	179.88	0.20
18.60	0.16	12,046	179.88	0.19
18.70	0.16	12,035	179.88	0.19
18.80	0.16	12,025	179.88	0.19
18.90	0.16	12,016	179.88	0.19
19.00	0.16	12,007	179.88	0.18
19.10	0.16	11,999	179.87	0.18
19.20	0.16	11,991	179.87	0.18
19.30	0.16	11,983	179.87	0.18
19.40	0.16	11,976	179.87	0.18
19.50	0.15	11,969	179.87	0.17
19.60	0.15	11,962	179.87	0.17
19.70	0.15	11,956	179.87	0.17
19.80	0.15	11,950	179.87	0.17
19.90	0.15	11,944	179.87	0.17
20.00	0.15	11,938	179.87	0.17
20.10	0.15	11,933	179.87	0.16
20.20	0.15	11,927	179.87	0.16
20.30	0.15	11,921	179.87	0.16
20.40	0.15	11,916	179.87	0.16
20.50	0.14	11,910	179.87	0.16
20.60	0.14	11,904	179.87	0.16
20.70	0.14	11,899	179.87	0.16

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	11,893	179.87	0.16
20.90	0.14	11,887	179.87	0.16
21.00	0.14	11,880	179.87	0.16
21.10	0.14	11,874	179.87	0.16
21.20	0.14	11,868	179.87	0.15
21.30	0.14	11,862	179.87	0.15
21.40	0.14	11,856	179.86	0.15
21.50	0.13	11,849	179.86	0.15
21.60	0.13	11,843	179.86	0.15
21.70	0.13	11,836	179.86	0.15
21.80	0.13	11,830	179.86	0.15
21.90	0.13	11,823	179.86	0.15
22.00	0.13	11,817	179.86	0.15
22.10	0.13	11,810	179.86	0.15
22.20	0.13	11,804	179.86	0.15
22.30	0.13	11,797	179.86	0.15
22.40	0.13	11,790	179.86	0.14
22.50	0.12	11,783	179.86	0.14
22.60	0.12	11,777	179.86	0.14
22.70	0.12	11,770	179.86	0.14
22.80	0.12	11,763	179.86	0.14
22.90	0.12	11,756	179.86	0.14
23.00	0.12	11,749	179.86	0.14
23.10	0.12	11,742	179.86	0.14
23.20	0.12	11,735	179.86	0.14
23.30	0.12	11,728	179.86	0.14
23.40	0.12	11,721	179.86	0.13
23.50	0.11	11,714	179.85	0.13
23.60	0.11	11,707	179.85	0.13
23.70	0.11	11,700	179.85	0.13
23.80	0.11	11,693	179.85	0.13
23.90	0.12	11,686	179.85	0.13
24.00	0.11	11,684	179.85	0.13
24.10	0.00	11,648	179.85	0.12
24.20	0.00	11,603	179.85	0.12
24.30	0.00	11,558	179.84	0.12
24.40	0.00	11,514	179.84	0.12
24.50	0.00	11,470	179.84	0.12
24.60	0.00	11,425	179.83	0.12
24.70	0.00	11,381	179.83	0.12
24.80	0.00	11,337	179.83	0.12
24.90	0.00	11,293	179.82	0.12
25.00	0.00	11,249	179.82	0.12
25.10	0.00	11,206	179.82	0.12
25.20	0.00	11,162	179.82	0.12
25.30	0.00	11,119	179.81	0.12
25.40	0.00	11,075	179.81	0.12
25.50	0.00	11,032	179.81	0.12
25.60	0.00	10,989	179.80	0.12
25.70	0.00	10,946	179.80	0.12
25.80	0.00	10,904	179.80	0.12
25.90	0.00	10,861	179.79	0.12

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,818	179.79	0.12
26.10	0.00	10,776	179.79	0.12
26.20	0.00	10,734	179.79	0.12
26.30	0.00	10,691	179.78	0.12
26.40	0.00	10,649	179.78	0.12
26.50	0.00	10,608	179.78	0.12
26.60	0.00	10,566	179.77	0.12
26.70	0.00	10,524	179.77	0.12
26.80	0.00	10,482	179.77	0.12
26.90	0.00	10,441	179.76	0.11
27.00	0.00	10,400	179.76	0.11
27.10	0.00	10,359	179.76	0.11
27.20	0.00	10,318	179.76	0.11
27.30	0.00	10,277	179.75	0.11
27.40	0.00	10,236	179.75	0.11
27.50	0.00	10,195	179.75	0.11
27.60	0.00	10,155	179.74	0.11
27.70	0.00	10,114	179.74	0.11
27.80	0.00	10,074	179.74	0.11
27.90	0.00	10,034	179.74	0.11
28.00	0.00	9,994	179.73	0.11
28.10	0.00	9,954	179.73	0.11
28.20	0.00	9,914	179.73	0.11
28.30	0.00	9,874	179.72	0.11
28.40	0.00	9,835	179.72	0.11
28.50	0.00	9,795	179.72	0.11
28.60	0.00	9,756	179.72	0.11
28.70	0.00	9,717	179.71	0.11
28.80	0.00	9,678	179.71	0.11
28.90	0.00	9,639	179.71	0.11
29.00	0.00	9,600	179.70	0.11
29.10	0.00	9,561	179.70	0.11
29.20	0.00	9,523	179.70	0.11
29.30	0.00	9,484	179.70	0.11
29.40	0.00	9,446	179.69	0.11
29.50	0.00	9,408	179.69	0.11
29.60	0.00	9,370	179.69	0.11
29.70	0.00	9,332	179.69	0.11
29.80	0.00	9,294	179.68	0.10
29.90	0.00	9,256	179.68	0.10
30.00	0.00	9,219	179.68	0.10
30.10	0.00	9,181	179.67	0.10
30.20	0.00	9,144	179.67	0.10
30.30	0.00	9,107	179.67	0.10
30.40	0.00	9,070	179.67	0.10
30.50	0.00	9,033	179.66	0.10
30.60	0.00	8,996	179.66	0.10
30.70	0.00	8,959	179.66	0.10
30.80	0.00	8,923	179.66	0.10
30.90	0.00	8,886	179.65	0.10
31.00	0.00	8,850	179.65	0.10
31.10	0.00	8,814	179.65	0.10

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,778	179.65	0.10
31.30	0.00	8,742	179.64	0.10
31.40	0.00	8,706	179.64	0.10
31.50	0.00	8,670	179.64	0.10
31.60	0.00	8,635	179.64	0.10
31.70	0.00	8,599	179.63	0.10
31.80	0.00	8,564	179.63	0.10
31.90	0.00	8,529	179.63	0.10
32.00	0.00	8,494	179.62	0.10
32.10	0.00	8,459	179.62	0.10
32.20	0.00	8,424	179.62	0.10
32.30	0.00	8,389	179.62	0.10
32.40	0.00	8,355	179.61	0.10
32.50	0.00	8,321	179.61	0.10
32.60	0.00	8,286	179.61	0.10
32.70	0.00	8,252	179.61	0.09
32.80	0.00	8,218	179.61	0.09
32.90	0.00	8,184	179.60	0.09
33.00	0.00	8,150	179.60	0.09
33.10	0.00	8,117	179.60	0.09
33.20	0.00	8,083	179.60	0.09
33.30	0.00	8,050	179.59	0.09
33.40	0.00	8,016	179.59	0.09
33.50	0.00	7,983	179.59	0.09
33.60	0.00	7,950	179.59	0.09
33.70	0.00	7,917	179.58	0.09
33.80	0.00	7,884	179.58	0.09
33.90	0.00	7,852	179.58	0.09
34.00	0.00	7,819	179.58	0.09
34.10	0.00	7,787	179.57	0.09
34.20	0.00	7,755	179.57	0.09
34.30	0.00	7,722	179.57	0.09
34.40	0.00	7,690	179.57	0.09
34.50	0.00	7,658	179.56	0.09
34.60	0.00	7,627	179.56	0.09
34.70	0.00	7,595	179.56	0.09
34.80	0.00	7,564	179.56	0.09
34.90	0.00	7,532	179.56	0.09
35.00	0.00	7,501	179.55	0.09
35.10	0.00	7,470	179.55	0.09
35.20	0.00	7,439	179.55	0.09
35.30	0.00	7,408	179.55	0.09
35.40	0.00	7,377	179.54	0.09
35.50	0.00	7,346	179.54	0.08
35.60	0.00	7,316	179.54	0.08
35.70	0.00	7,285	179.54	0.08
35.80	0.00	7,255	179.54	0.08
35.90	0.00	7,225	179.53	0.08
36.00	0.00	7,195	179.53	0.08
36.10	0.00	7,165	179.53	0.08
36.20	0.00	7,135	179.53	0.08
36.30	0.00	7,106	179.52	0.08

Hydrograph for Pond B-8: Basin #8 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,076	179.52	0.08
36.50	0.00	7,047	179.52	0.08
36.60	0.00	7,018	179.52	0.08
36.70	0.00	6,989	179.52	0.08
36.80	0.00	6,960	179.51	0.08
36.90	0.00	6,931	179.51	0.08
37.00	0.00	6,902	179.51	0.08
37.10	0.00	6,873	179.51	0.08
37.20	0.00	6,845	179.51	0.08
37.30	0.00	6,816	179.50	0.08
37.40	0.00	6,788	179.50	0.08
37.50	0.00	6,760	179.50	0.08
37.60	0.00	6,732	179.50	0.08
37.70	0.00	6,704	179.50	0.08
37.80	0.00	6,677	179.49	0.08
37.90	0.00	6,649	179.49	0.08
38.00	0.00	6,622	179.49	0.08
38.10	0.00	6,594	179.49	0.08
38.20	0.00	6,567	179.49	0.08
38.30	0.00	6,540	179.48	0.08
38.40	0.00	6,513	179.48	0.07
38.50	0.00	6,486	179.48	0.07
38.60	0.00	6,459	179.48	0.07
38.70	0.00	6,433	179.48	0.07
38.80	0.00	6,406	179.47	0.07
38.90	0.00	6,380	179.47	0.07
39.00	0.00	6,354	179.47	0.07
39.10	0.00	6,328	179.47	0.07
39.20	0.00	6,302	179.47	0.07
39.30	0.00	6,276	179.46	0.07
39.40	0.00	6,250	179.46	0.07
39.50	0.00	6,225	179.46	0.07
39.60	0.00	6,199	179.46	0.07
39.70	0.00	6,174	179.46	0.07
39.80	0.00	6,149	179.46	0.07
39.90	0.00	6,124	179.45	0.07
40.00	0.00	6,099	179.45	0.07

Stage-Discharge for Pond B-8: Basin #8

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.08	180.04	1.22	180.56	7.73
179.01	0.00	179.53	0.08	180.05	1.30	180.57	7.89
179.02	0.00	179.54	0.08	180.06	1.39	180.58	8.05
179.03	0.00	179.55	0.09	180.07	1.48	180.59	8.21
179.04	0.00	179.56	0.09	180.08	1.57	180.60	8.37
179.05	0.00	179.57	0.09	180.09	1.67	180.61	8.53
179.06	0.00	179.58	0.09	180.10	1.76	180.62	8.69
179.07	0.00	179.59	0.09	180.11	1.86	180.63	8.85
179.08	0.00	179.60	0.09	180.12	1.96	180.64	9.01
179.09	0.00	179.61	0.10	180.13	2.06	180.65	9.18
179.10	0.00	179.62	0.10	180.14	2.17	180.66	9.34
179.11	0.00	179.63	0.10	180.15	2.27	180.67	9.51
179.12	0.00	179.64	0.10	180.16	2.38	180.68	9.67
179.13	0.00	179.65	0.10	180.17	2.49	180.69	9.84
179.14	0.00	179.66	0.10	180.18	2.59	180.70	10.01
179.15	0.00	179.67	0.10	180.19	2.71	180.71	10.18
179.16	0.00	179.68	0.10	180.20	2.82	180.72	10.24
179.17	0.00	179.69	0.11	180.21	2.93	180.73	10.28
179.18	0.00	179.70	0.11	180.22	3.05	180.74	10.32
179.19	0.00	179.71	0.11	180.23	3.17	180.75	10.36
179.20	0.00	179.72	0.11	180.24	3.28	180.76	10.40
179.21	0.00	179.73	0.11	180.25	3.40	180.77	10.44
179.22	0.00	179.74	0.11	180.26	3.53	180.78	10.49
179.23	0.01	179.75	0.11	180.27	3.65	180.79	10.53
179.24	0.01	179.76	0.11	180.28	3.77	180.80	10.57
179.25	0.01	179.77	0.12	180.29	3.90	180.81	10.61
179.26	0.01	179.78	0.12	180.30	4.03	180.82	10.65
179.27	0.02	179.79	0.12	180.31	4.15	180.83	10.69
179.28	0.02	179.80	0.12	180.32	4.28	180.84	10.85
179.29	0.02	179.81	0.12	180.33	4.41	180.85	11.10
179.30	0.03	179.82	0.12	180.34	4.55	180.86	11.42
179.31	0.03	179.83	0.12	180.35	4.68	180.87	11.79
179.32	0.03	179.84	0.12	180.36	4.81	180.88	12.20
179.33	0.04	179.85	0.12	180.37	4.95	180.89	12.65
179.34	0.04	179.86	0.14	180.38	5.09	180.90	13.14
179.35	0.05	179.87	0.16	180.39	5.22	180.91	13.66
179.36	0.05	179.88	0.20	180.40	5.36	180.92	14.22
179.37	0.05	179.89	0.23	180.41	5.50	180.93	14.80
179.38	0.05	179.90	0.28	180.42	5.64	180.94	15.41
179.39	0.06	179.91	0.32	180.43	5.79	180.95	16.05
179.40	0.06	179.92	0.37	180.44	5.93	180.96	16.72
179.41	0.06	179.93	0.43	180.45	6.07	180.97	17.41
179.42	0.06	179.94	0.49	180.46	6.22	180.98	18.12
179.43	0.06	179.95	0.55	180.47	6.37	180.99	18.86
179.44	0.07	179.96	0.61	180.48	6.51	181.00	19.62
179.45	0.07	179.97	0.68	180.49	6.66	181.01	20.40
179.46	0.07	179.98	0.75	180.50	6.81	181.02	21.20
179.47	0.07	179.99	0.82	180.51	6.96	181.03	22.03
179.48	0.07	180.00	0.89	180.52	7.12	181.04	22.91
179.49	0.08	180.01	0.97	180.53	7.27	181.05	23.82
179.50	0.08	180.02	1.05	180.54	7.42	181.06	24.76
179.51	0.08	180.03	1.13	180.55	7.58	181.07	25.72

Stage-Discharge for Pond B-8: Basin #8 (continued)

Elevation (feet)	Primary (cfs)
181.08	26.70
181.09	27.71
181.10	28.75
181.11	29.81
181.12	30.89
181.13	32.00
181.14	33.13
181.15	34.29
181.16	35.47
181.17	36.68
181.18	37.91
181.19	39.16
181.20	40.44
181.21	41.74
181.22	43.07
181.23	44.42
181.24	45.82
181.25	47.25
181.26	48.70
181.27	50.18
181.28	51.68
181.29	53.22
181.30	54.77
181.31	56.36
181.32	57.97
181.33	59.60
181.34	61.27
181.35	62.95
181.36	64.67
181.37	66.41
181.38	68.18
181.39	69.98
181.40	71.80
181.41	73.65
181.42	75.52
181.43	77.42
181.44	79.09
181.45	80.76
181.46	82.45
181.47	84.15
181.48	85.86
181.49	87.59
181.50	89.33
181.51	91.08
181.52	92.84
181.53	94.62
181.54	96.41
181.55	98.22
181.56	100.03
181.57	101.86
181.58	103.70
181.59	105.56
181.60	107.42
181.61	109.30
181.62	111.19
181.63	113.09
181.64	115.04
181.65	117.01
181.66	118.98
181.67	120.98
181.68	122.98
181.69	125.00
181.70	127.03
181.71	129.07
181.72	131.13
181.73	133.19
181.74	135.28
181.75	137.37
181.76	139.48
181.77	141.60
181.78	143.73
181.79	145.87
181.80	148.03
181.81	150.20
181.82	152.38
181.83	154.58
181.84	156.73
181.85	158.90
181.86	161.07
181.87	163.26
181.88	165.46
181.89	167.66
181.90	169.88
181.91	172.11
181.92	174.35
181.93	176.60
181.94	178.86
181.95	181.13
181.96	183.41
181.97	185.70
181.98	188.00
181.99	190.31
182.00	**192.63**

Stage-Area-Storage for Pond B-8: Basin #8

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	13,283	0	179.52	13,798	7,041
179.01	13,293	133	179.53	13,808	7,179
179.02	13,303	266	179.54	13,818	7,317
179.03	13,313	399	179.55	13,828	7,456
179.04	13,323	532	179.56	13,838	7,594
179.05	13,333	665	179.57	13,848	7,732
179.06	13,342	799	179.58	13,858	7,871
179.07	13,352	932	179.59	13,868	8,009
179.08	13,362	1,066	179.60	13,878	8,148
179.09	13,372	1,199	179.61	13,888	8,287
179.10	13,382	1,333	179.62	13,897	8,426
179.11	13,392	1,467	179.63	13,907	8,565
179.12	13,402	1,601	179.64	13,917	8,704
179.13	13,412	1,735	179.65	13,927	8,843
179.14	13,422	1,869	179.66	13,937	8,983
179.15	13,432	2,004	179.67	13,947	9,122
179.16	13,442	2,138	179.68	13,957	9,262
179.17	13,451	2,272	179.69	13,967	9,401
179.18	13,461	2,407	179.70	13,977	9,541
179.19	13,471	2,542	179.71	13,987	9,681
179.20	13,481	2,676	179.72	13,997	9,821
179.21	13,491	2,811	179.73	14,006	9,961
179.22	13,501	2,946	179.74	14,016	10,101
179.23	13,511	3,081	179.75	14,026	10,241
179.24	13,521	3,216	179.76	14,036	10,381
179.25	13,531	3,352	179.77	14,046	10,522
179.26	13,541	3,487	179.78	14,056	10,662
179.27	13,551	3,623	179.79	14,066	10,803
179.28	13,560	3,758	179.80	14,076	10,944
179.29	13,570	3,894	179.81	14,086	11,084
179.30	13,580	4,029	179.82	14,096	11,225
179.31	13,590	4,165	179.83	14,106	11,366
179.32	13,600	4,301	179.84	14,115	11,507
179.33	13,610	4,437	179.85	14,125	11,649
179.34	13,620	4,573	179.86	14,135	11,790
179.35	13,630	4,710	179.87	14,145	11,931
179.36	13,640	4,846	179.88	14,155	12,073
179.37	13,650	4,983	179.89	14,165	12,214
179.38	13,660	5,119	179.90	14,175	12,356
179.39	13,669	5,256	179.91	14,185	12,498
179.40	13,679	5,392	179.92	14,195	12,640
179.41	13,689	5,529	179.93	14,205	12,782
179.42	13,699	5,666	179.94	14,215	12,924
179.43	13,709	5,803	179.95	14,224	13,066
179.44	13,719	5,940	179.96	14,234	13,208
179.45	13,729	6,078	179.97	14,244	13,351
179.46	13,739	6,215	179.98	14,254	13,493
179.47	13,749	6,352	179.99	14,264	13,636
179.48	13,759	6,490	180.00	14,274	13,779
179.49	13,769	6,628	180.01	14,284	13,921
179.50	13,779	6,765	180.02	14,294	14,064
179.51	13,788	6,903	180.03	14,305	14,207

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	14,315	14,350	180.56	14,845	21,932
180.05	14,325	14,493	180.57	14,855	22,080
180.06	14,335	14,637	180.58	14,865	22,229
180.07	14,345	14,780	180.59	14,875	22,378
180.08	14,356	14,924	180.60	14,885	22,526
180.09	14,366	15,067	180.61	14,896	22,675
180.10	14,376	15,211	180.62	14,906	22,824
180.11	14,386	15,355	180.63	14,916	22,973
180.12	14,396	15,499	180.64	14,926	23,123
180.13	14,406	15,643	180.65	14,936	23,272
180.14	14,417	15,787	180.66	14,947	23,421
180.15	14,427	15,931	180.67	14,957	23,571
180.16	14,437	16,075	180.68	14,967	23,720
180.17	14,447	16,220	180.69	14,977	23,870
180.18	14,457	16,364	180.70	14,987	24,020
180.19	14,468	16,509	180.71	14,997	24,170
180.20	14,478	16,654	180.72	15,008	24,320
180.21	14,488	16,799	180.73	15,018	24,470
180.22	14,498	16,943	180.74	15,028	24,620
180.23	14,508	17,088	180.75	15,038	24,771
180.24	14,519	17,234	180.76	15,048	24,921
180.25	14,529	17,379	180.77	15,059	25,072
180.26	14,539	17,524	180.78	15,069	25,222
180.27	14,549	17,670	180.79	15,079	25,373
180.28	14,559	17,815	180.80	15,089	25,524
180.29	14,570	17,961	180.81	15,099	25,675
180.30	14,580	18,107	180.82	15,110	25,826
180.31	14,590	18,252	180.83	15,120	25,977
180.32	14,600	18,398	180.84	15,130	26,128
180.33	14,610	18,544	180.85	15,140	26,280
180.34	14,620	18,691	180.86	15,150	26,431
180.35	14,631	18,837	180.87	15,161	26,583
180.36	14,641	18,983	180.88	15,171	26,734
180.37	14,651	19,130	180.89	15,181	26,886
180.38	14,661	19,276	180.90	15,191	27,038
180.39	14,671	19,423	180.91	15,201	27,190
180.40	14,682	19,570	180.92	15,211	27,342
180.41	14,692	19,716	180.93	15,222	27,494
180.42	14,702	19,863	180.94	15,232	27,646
180.43	14,712	20,011	180.95	15,242	27,799
180.44	14,722	20,158	180.96	15,252	27,951
180.45	14,733	20,305	180.97	15,262	28,104
180.46	14,743	20,452	180.98	15,273	28,256
180.47	14,753	20,600	180.99	15,283	28,409
180.48	14,763	20,747	181.00	15,293	28,562
180.49	14,773	20,895	181.01	15,303	28,715
180.50	14,784	21,043	181.02	15,314	28,868
180.51	14,794	21,191	181.03	15,324	29,021
180.52	14,804	21,339	181.04	15,335	29,175
180.53	14,814	21,487	181.05	15,345	29,328
180.54	14,824	21,635	181.06	15,356	29,481
180.55	14,834	21,783	181.07	15,366	29,635

Stage-Area-Storage for Pond B-8: Basin #8 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	15,377	29,789
181.09	15,387	29,943
181.10	15,398	30,097
181.11	15,408	30,251
181.12	15,419	30,405
181.13	15,429	30,559
181.14	15,440	30,713
181.15	15,450	30,868
181.16	15,461	31,022
181.17	15,471	31,177
181.18	15,482	31,332
181.19	15,492	31,487
181.20	15,503	31,642
181.21	15,513	31,797
181.22	15,524	31,952
181.23	15,534	32,107
181.24	15,545	32,263
181.25	15,555	32,418
181.26	15,565	32,574
181.27	15,576	32,729
181.28	15,586	32,885
181.29	15,597	33,041
181.30	15,607	33,197
181.31	15,618	33,353
181.32	15,628	33,509
181.33	15,639	33,666
181.34	15,649	33,822
181.35	15,660	33,979
181.36	15,670	34,135
181.37	15,681	34,292
181.38	15,691	34,449
181.39	15,702	34,606
181.40	15,712	34,763
181.41	15,723	34,920
181.42	15,733	35,077
181.43	15,744	35,235
181.44	15,754	35,392
181.45	15,765	35,550
181.46	15,775	35,708
181.47	15,786	35,865
181.48	15,796	36,023
181.49	15,807	36,181
181.50	15,817	36,340
181.51	15,827	36,498
181.52	15,838	36,656
181.53	15,848	36,814
181.54	15,859	36,973
181.55	15,869	37,132
181.56	15,880	37,290
181.57	15,890	37,449
181.58	15,901	37,608
181.59	15,911	37,767
181.60	15,922	37,926
181.61	15,932	38,086
181.62	15,943	38,245
181.63	15,953	38,405
181.64	15,964	38,564
181.65	15,974	38,724
181.66	15,985	38,884
181.67	15,995	39,044
181.68	16,006	39,204
181.69	16,016	39,364
181.70	16,027	39,524
181.71	16,037	39,684
181.72	16,048	39,845
181.73	16,058	40,005
181.74	16,069	40,166
181.75	16,079	40,327
181.76	16,089	40,487
181.77	16,100	40,648
181.78	16,110	40,809
181.79	16,121	40,970
181.80	16,131	41,132
181.81	16,142	41,293
181.82	16,152	41,455
181.83	16,163	41,616
181.84	16,173	41,778
181.85	16,184	41,940
181.86	16,194	42,102
181.87	16,205	42,264
181.88	16,215	42,426
181.89	16,226	42,588
181.90	16,236	42,750
181.91	16,247	42,913
181.92	16,257	43,075
181.93	16,268	43,238
181.94	16,278	43,400
181.95	16,289	43,563
181.96	16,299	43,726
181.97	16,310	43,889
181.98	16,320	44,052
181.99	16,331	44,216
182.00	**16,341**	**44,379**

Summary for Pond B-9: Basin #9

Inflow Area = 1.503 ac, 52.63% Impervious, Inflow Depth = 4.37" for Future 10 yr event
Inflow = 8.54 cfs @ 12.08 hrs, Volume= 0.547 af
Outflow = 0.18 cfs @ 16.60 hrs, Volume= 0.349 af, Atten= 98%, Lag= 271.7 min
Primary = 0.18 cfs @ 16.60 hrs, Volume= 0.349 af
Routed to Link PDA-1ON : PDA-1 (onsite)

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 180.55' @ 16.60 hrs Surf.Area= 12,255 sf Storage= 17,808 cf

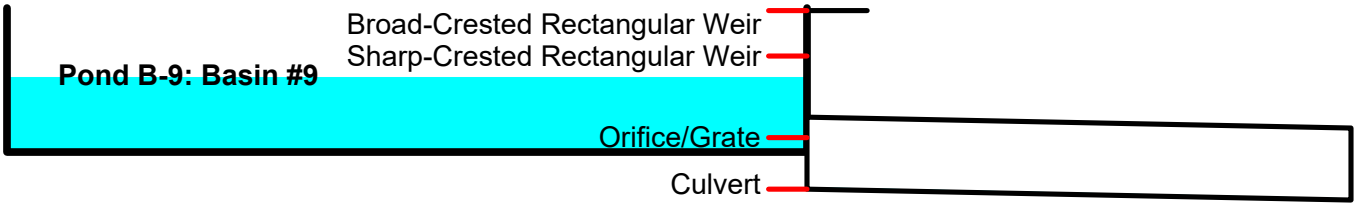
Plug-Flow detention time= 821.0 min calculated for 0.349 af (64% of inflow)
Center-of-Mass det. time= 712.3 min (1,483.4 - 771.1)

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	36,641 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

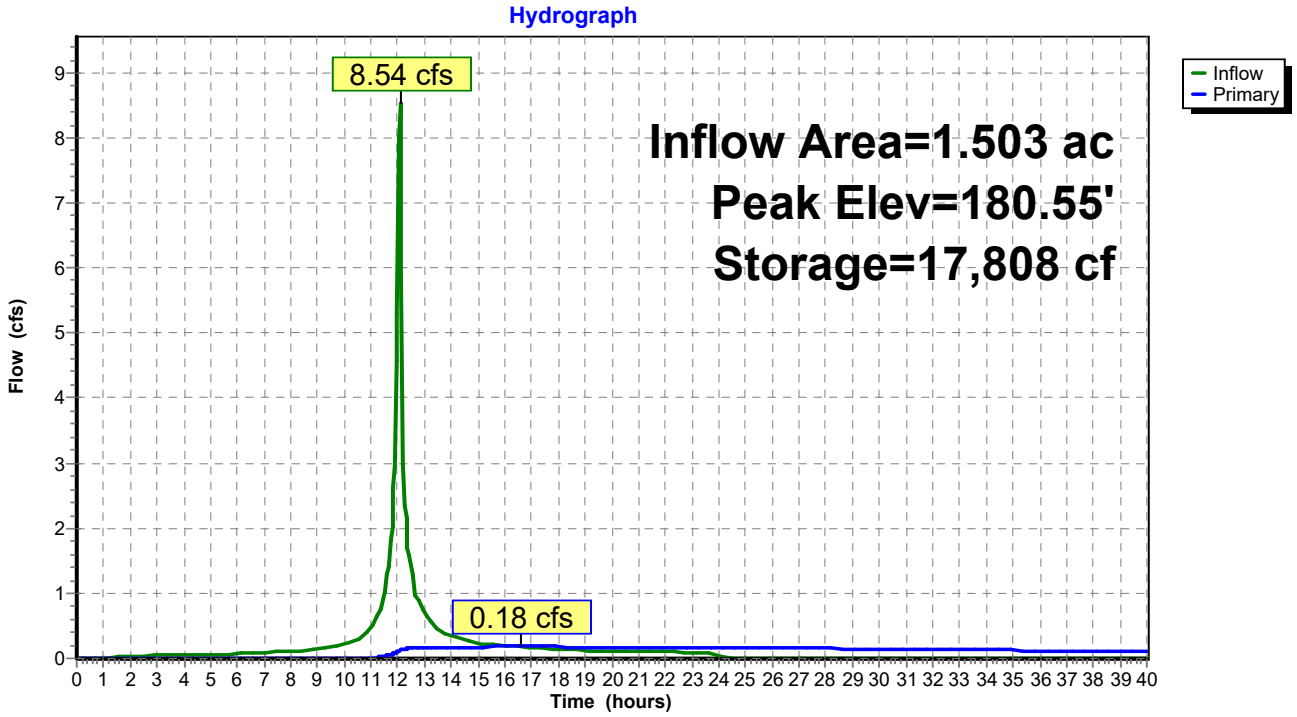
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	10,720	0	0
180.00	11,700	11,210	11,210
181.00	12,708	12,204	23,414
182.00	13,745	13,227	36,641

Device	Routing	Invert	Outlet Devices
#1	Primary	178.23'	**18.0" Round Culvert** L= 45.0' Ke= 0.500 Inlet / Outlet Invert= 178.23' / 178.00' S= 0.0051 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	179.30'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	181.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	181.95'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.18 cfs @ 16.60 hrs HW=180.55' (Free Discharge)
- **1=Culvert** (Passes 0.18 cfs of 9.54 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.16 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-9: Basin #9



Hydrograph for Pond B-9: Basin #9

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	179.00	0.00
0.10	0.00	0	179.00	0.00
0.20	0.00	0	179.00	0.00
0.30	0.00	0	179.00	0.00
0.40	0.00	0	179.00	0.00
0.50	0.00	0	179.00	0.00
0.60	0.00	0	179.00	0.00
0.70	0.00	0	179.00	0.00
0.80	0.00	1	179.00	0.00
0.90	0.01	3	179.00	0.00
1.00	0.01	5	179.00	0.00
1.10	0.01	9	179.00	0.00
1.20	0.01	14	179.00	0.00
1.30	0.02	19	179.00	0.00
1.40	0.02	25	179.00	0.00
1.50	0.02	32	179.00	0.00
1.60	0.02	40	179.00	0.00
1.70	0.02	48	179.00	0.00
1.80	0.03	57	179.01	0.00
1.90	0.03	66	179.01	0.00
2.00	0.03	76	179.01	0.00
2.10	0.03	87	179.01	0.00
2.20	0.03	98	179.01	0.00
2.30	0.03	110	179.01	0.00
2.40	0.03	122	179.01	0.00
2.50	0.04	135	179.01	0.00
2.60	0.04	148	179.01	0.00
2.70	0.04	162	179.02	0.00
2.80	0.04	176	179.02	0.00
2.90	0.04	190	179.02	0.00
3.00	0.04	205	179.02	0.00
3.10	0.04	220	179.02	0.00
3.20	0.04	236	179.02	0.00
3.30	0.04	252	179.02	0.00
3.40	0.05	268	179.02	0.00
3.50	0.05	285	179.03	0.00
3.60	0.05	302	179.03	0.00
3.70	0.05	320	179.03	0.00
3.80	0.05	338	179.03	0.00
3.90	0.05	356	179.03	0.00
4.00	0.05	374	179.03	0.00
4.10	0.05	393	179.04	0.00
4.20	0.05	412	179.04	0.00
4.30	0.05	431	179.04	0.00
4.40	0.05	451	179.04	0.00
4.50	0.06	471	179.04	0.00
4.60	0.06	491	179.05	0.00
4.70	0.06	512	179.05	0.00
4.80	0.06	533	179.05	0.00
4.90	0.06	554	179.05	0.00
5.00	0.06	575	179.05	0.00
5.10	0.06	597	179.06	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	618	179.06	0.00
5.30	0.06	641	179.06	0.00
5.40	0.06	663	179.06	0.00
5.50	0.06	686	179.06	0.00
5.60	0.06	709	179.07	0.00
5.70	0.06	732	179.07	0.00
5.80	0.07	755	179.07	0.00
5.90	0.07	779	179.07	0.00
6.00	0.07	802	179.07	0.00
6.10	0.07	827	179.08	0.00
6.20	0.07	852	179.08	0.00
6.30	0.07	878	179.08	0.00
6.40	0.07	904	179.08	0.00
6.50	0.08	931	179.09	0.00
6.60	0.08	959	179.09	0.00
6.70	0.08	988	179.09	0.00
6.80	0.08	1,017	179.09	0.00
6.90	0.08	1,047	179.10	0.00
7.00	0.09	1,077	179.10	0.00
7.10	0.09	1,109	179.10	0.00
7.20	0.09	1,141	179.11	0.00
7.30	0.09	1,173	179.11	0.00
7.40	0.09	1,207	179.11	0.00
7.50	0.10	1,241	179.12	0.00
7.60	0.10	1,276	179.12	0.00
7.70	0.10	1,311	179.12	0.00
7.80	0.10	1,347	179.12	0.00
7.90	0.10	1,384	179.13	0.00
8.00	0.11	1,422	179.13	0.00
8.10	0.11	1,460	179.14	0.00
8.20	0.11	1,499	179.14	0.00
8.30	0.11	1,540	179.14	0.00
8.40	0.12	1,581	179.15	0.00
8.50	0.12	1,623	179.15	0.00
8.60	0.12	1,667	179.15	0.00
8.70	0.12	1,711	179.16	0.00
8.80	0.13	1,757	179.16	0.00
8.90	0.13	1,803	179.17	0.00
9.00	0.13	1,851	179.17	0.00
9.10	0.14	1,901	179.18	0.00
9.20	0.15	1,954	179.18	0.00
9.30	0.16	2,010	179.19	0.00
9.40	0.17	2,070	179.19	0.00
9.50	0.18	2,132	179.20	0.00
9.60	0.19	2,198	179.20	0.00
9.70	0.20	2,267	179.21	0.00
9.80	0.21	2,340	179.22	0.00
9.90	0.22	2,416	179.22	0.00
10.00	0.23	2,496	179.23	0.00
10.10	0.24	2,579	179.24	0.00
10.20	0.25	2,667	179.25	0.00
10.30	0.26	2,757	179.25	0.00

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.27	2,852	179.26	0.00
10.50	0.28	2,951	179.27	0.00
10.60	0.31	3,059	179.28	0.00
10.70	0.35	3,180	179.29	0.00
10.80	0.39	3,314	179.30	0.00
10.90	0.42	3,461	179.32	0.00
11.00	0.47	3,622	179.33	0.00
11.10	0.53	3,803	179.35	0.00
11.20	0.61	4,009	179.37	0.01
11.30	0.68	4,239	179.39	0.01
11.40	0.75	4,494	179.41	0.02
11.50	0.85	4,773	179.44	0.03
11.60	1.29	5,169	179.47	0.04
11.70	1.43	5,640	179.51	0.05
11.80	2.01	6,258	179.57	0.07
11.90	2.97	7,149	179.65	0.08
12.00	5.31	8,685	179.78	0.10
12.10	**8.01**	11,284	180.01	0.13
12.20	2.99	12,911	180.14	0.14
12.30	2.16	13,742	180.21	0.15
12.40	1.63	14,336	180.26	0.15
12.50	1.49	14,843	180.31	0.16
12.60	1.00	15,206	180.34	0.16
12.70	0.94	15,495	180.36	0.16
12.80	0.86	15,757	180.38	0.16
12.90	0.78	15,988	180.40	0.16
13.00	0.69	16,189	180.42	0.17
13.10	0.62	16,361	180.43	0.17
13.20	0.57	16,512	180.44	0.17
13.30	0.53	16,647	180.46	0.17
13.40	0.48	16,766	180.47	0.17
13.50	0.44	16,868	180.47	0.17
13.60	0.40	16,955	180.48	0.17
13.70	0.38	17,033	180.49	0.17
13.80	0.37	17,108	180.49	0.17
13.90	0.36	17,178	180.50	0.17
14.00	0.35	17,243	180.50	0.17
14.10	0.34	17,305	180.51	0.17
14.20	0.33	17,362	180.51	0.17
14.30	0.32	17,415	180.52	0.17
14.40	0.30	17,463	180.52	0.17
14.50	0.29	17,507	180.53	0.17
14.60	0.28	17,547	180.53	0.17
14.70	0.27	17,583	180.53	0.17
14.80	0.26	17,614	180.54	0.17
14.90	0.24	17,641	180.54	0.17
15.00	0.23	17,663	180.54	0.17
15.10	0.22	17,682	180.54	0.17
15.20	0.22	17,698	180.54	0.18
15.30	0.22	17,713	180.54	0.18
15.40	0.21	17,728	180.54	0.18
15.50	0.21	17,741	180.55	0.18

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	17,753	180.55	0.18
15.70	0.20	17,763	180.55	0.18
15.80	0.20	17,773	180.55	0.18
15.90	0.20	17,781	180.55	0.18
16.00	0.19	17,788	180.55	0.18
16.10	0.19	17,794	180.55	0.18
16.20	0.19	17,800	180.55	0.18
16.30	0.19	17,803	180.55	0.18
16.40	0.18	17,806	180.55	0.18
16.50	0.18	17,808	180.55	0.18
16.60	0.18	**17,808**	**180.55**	**0.18**
16.70	0.17	17,808	180.55	0.18
16.80	0.17	17,806	180.55	0.18
16.90	0.17	17,803	180.55	0.18
17.00	0.16	17,799	180.55	0.18
17.10	0.16	17,794	180.55	0.18
17.20	0.16	17,788	180.55	0.18
17.30	0.15	17,781	180.55	0.18
17.40	0.15	17,772	180.55	0.18
17.50	0.15	17,763	180.55	0.18
17.60	0.14	17,752	180.55	0.18
17.70	0.14	17,740	180.55	0.18
17.80	0.14	17,727	180.54	0.18
17.90	0.14	17,713	180.54	0.18
18.00	0.13	17,698	180.54	0.18
18.10	0.13	17,682	180.54	0.17
18.20	0.13	17,665	180.54	0.17
18.30	0.13	17,649	180.54	0.17
18.40	0.13	17,631	180.54	0.17
18.50	0.13	17,614	180.54	0.17
18.60	0.13	17,596	180.53	0.17
18.70	0.12	17,579	180.53	0.17
18.80	0.12	17,560	180.53	0.17
18.90	0.12	17,542	180.53	0.17
19.00	0.12	17,524	180.53	0.17
19.10	0.12	17,505	180.53	0.17
19.20	0.12	17,486	180.52	0.17
19.30	0.12	17,466	180.52	0.17
19.40	0.12	17,447	180.52	0.17
19.50	0.12	17,427	180.52	0.17
19.60	0.12	17,407	180.52	0.17
19.70	0.12	17,387	180.52	0.17
19.80	0.12	17,367	180.51	0.17
19.90	0.12	17,346	180.51	0.17
20.00	0.11	17,325	180.51	0.17
20.10	0.11	17,304	180.51	0.17
20.20	0.11	17,283	180.51	0.17
20.30	0.11	17,261	180.51	0.17
20.40	0.11	17,239	180.50	0.17
20.50	0.11	17,217	180.50	0.17
20.60	0.11	17,195	180.50	0.17
20.70	0.11	17,172	180.50	0.17

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	17,150	180.50	0.17
20.90	0.11	17,126	180.50	0.17
21.00	0.11	17,103	180.49	0.17
21.10	0.11	17,080	180.49	0.17
21.20	0.10	17,056	180.49	0.17
21.30	0.10	17,032	180.49	0.17
21.40	0.10	17,008	180.49	0.17
21.50	0.10	16,984	180.48	0.17
21.60	0.10	16,959	180.48	0.17
21.70	0.10	16,934	180.48	0.17
21.80	0.10	16,909	180.48	0.17
21.90	0.10	16,884	180.48	0.17
22.00	0.10	16,859	180.47	0.17
22.10	0.10	16,833	180.47	0.17
22.20	0.10	16,807	180.47	0.17
22.30	0.10	16,781	180.47	0.17
22.40	0.10	16,754	180.46	0.17
22.50	0.09	16,728	180.46	0.17
22.60	0.09	16,701	180.46	0.17
22.70	0.09	16,674	180.46	0.17
22.80	0.09	16,647	180.46	0.17
22.90	0.09	16,619	180.45	0.17
23.00	0.09	16,592	180.45	0.17
23.10	0.09	16,564	180.45	0.17
23.20	0.09	16,536	180.45	0.17
23.30	0.09	16,507	180.44	0.17
23.40	0.09	16,479	180.44	0.17
23.50	0.09	16,450	180.44	0.17
23.60	0.09	16,421	180.44	0.17
23.70	0.09	16,392	180.43	0.17
23.80	0.08	16,362	180.43	0.17
23.90	0.09	16,333	180.43	0.17
24.00	0.09	16,307	180.43	0.17
24.10	0.00	16,258	180.42	0.17
24.20	0.00	16,198	180.42	0.17
24.30	0.00	16,139	180.41	0.16
24.40	0.00	16,080	180.41	0.16
24.50	0.00	16,020	180.40	0.16
24.60	0.00	15,961	180.40	0.16
24.70	0.00	15,903	180.39	0.16
24.80	0.00	15,844	180.39	0.16
24.90	0.00	15,785	180.38	0.16
25.00	0.00	15,727	180.38	0.16
25.10	0.00	15,668	180.38	0.16
25.20	0.00	15,610	180.37	0.16
25.30	0.00	15,552	180.37	0.16
25.40	0.00	15,494	180.36	0.16
25.50	0.00	15,437	180.36	0.16
25.60	0.00	15,379	180.35	0.16
25.70	0.00	15,322	180.35	0.16
25.80	0.00	15,264	180.34	0.16
25.90	0.00	15,207	180.34	0.16

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	15,150	180.33	0.16
26.10	0.00	15,094	180.33	0.16
26.20	0.00	15,037	180.32	0.16
26.30	0.00	14,980	180.32	0.16
26.40	0.00	14,924	180.31	0.16
26.50	0.00	14,868	180.31	0.16
26.60	0.00	14,811	180.30	0.16
26.70	0.00	14,756	180.30	0.16
26.80	0.00	14,700	180.29	0.15
26.90	0.00	14,644	180.29	0.15
27.00	0.00	14,588	180.29	0.15
27.10	0.00	14,533	180.28	0.15
27.20	0.00	14,478	180.28	0.15
27.30	0.00	14,423	180.27	0.15
27.40	0.00	14,368	180.27	0.15
27.50	0.00	14,313	180.26	0.15
27.60	0.00	14,258	180.26	0.15
27.70	0.00	14,204	180.25	0.15
27.80	0.00	14,149	180.25	0.15
27.90	0.00	14,095	180.24	0.15
28.00	0.00	14,041	180.24	0.15
28.10	0.00	13,987	180.23	0.15
28.20	0.00	13,933	180.23	0.15
28.30	0.00	13,880	180.23	0.15
28.40	0.00	13,826	180.22	0.15
28.50	0.00	13,773	180.22	0.15
28.60	0.00	13,720	180.21	0.15
28.70	0.00	13,667	180.21	0.15
28.80	0.00	13,614	180.20	0.15
28.90	0.00	13,561	180.20	0.15
29.00	0.00	13,508	180.19	0.15
29.10	0.00	13,456	180.19	0.15
29.20	0.00	13,404	180.19	0.15
29.30	0.00	13,351	180.18	0.14
29.40	0.00	13,299	180.18	0.14
29.50	0.00	13,248	180.17	0.14
29.60	0.00	13,196	180.17	0.14
29.70	0.00	13,144	180.16	0.14
29.80	0.00	13,093	180.16	0.14
29.90	0.00	13,042	180.16	0.14
30.00	0.00	12,990	180.15	0.14
30.10	0.00	12,939	180.15	0.14
30.20	0.00	12,889	180.14	0.14
30.30	0.00	12,838	180.14	0.14
30.40	0.00	12,787	180.13	0.14
30.50	0.00	12,737	180.13	0.14
30.60	0.00	12,687	180.13	0.14
30.70	0.00	12,637	180.12	0.14
30.80	0.00	12,587	180.12	0.14
30.90	0.00	12,537	180.11	0.14
31.00	0.00	12,487	180.11	0.14
31.10	0.00	12,438	180.10	0.14

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	12,388	180.10	0.14
31.30	0.00	12,339	180.10	0.14
31.40	0.00	12,290	180.09	0.14
31.50	0.00	12,241	180.09	0.14
31.60	0.00	12,192	180.08	0.14
31.70	0.00	12,144	180.08	0.13
31.80	0.00	12,095	180.08	0.13
31.90	0.00	12,047	180.07	0.13
32.00	0.00	11,999	180.07	0.13
32.10	0.00	11,951	180.06	0.13
32.20	0.00	11,903	180.06	0.13
32.30	0.00	11,855	180.05	0.13
32.40	0.00	11,807	180.05	0.13
32.50	0.00	11,760	180.05	0.13
32.60	0.00	11,713	180.04	0.13
32.70	0.00	11,665	180.04	0.13
32.80	0.00	11,618	180.03	0.13
32.90	0.00	11,572	180.03	0.13
33.00	0.00	11,525	180.03	0.13
33.10	0.00	11,478	180.02	0.13
33.20	0.00	11,432	180.02	0.13
33.30	0.00	11,386	180.01	0.13
33.40	0.00	11,340	180.01	0.13
33.50	0.00	11,294	180.01	0.13
33.60	0.00	11,248	180.00	0.13
33.70	0.00	11,202	180.00	0.13
33.80	0.00	11,157	180.00	0.13
33.90	0.00	11,111	179.99	0.13
34.00	0.00	11,066	179.99	0.13
34.10	0.00	11,021	179.98	0.12
34.20	0.00	10,976	179.98	0.12
34.30	0.00	10,931	179.98	0.12
34.40	0.00	10,887	179.97	0.12
34.50	0.00	10,842	179.97	0.12
34.60	0.00	10,798	179.96	0.12
34.70	0.00	10,754	179.96	0.12
34.80	0.00	10,710	179.96	0.12
34.90	0.00	10,666	179.95	0.12
35.00	0.00	10,622	179.95	0.12
35.10	0.00	10,579	179.95	0.12
35.20	0.00	10,535	179.94	0.12
35.30	0.00	10,492	179.94	0.12
35.40	0.00	10,449	179.93	0.12
35.50	0.00	10,406	179.93	0.12
35.60	0.00	10,363	179.93	0.12
35.70	0.00	10,320	179.92	0.12
35.80	0.00	10,278	179.92	0.12
35.90	0.00	10,235	179.92	0.12
36.00	0.00	10,193	179.91	0.12
36.10	0.00	10,151	179.91	0.12
36.20	0.00	10,109	179.91	0.12
36.30	0.00	10,068	179.90	0.12

Hydrograph for Pond B-9: Basin #9 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	10,026	179.90	0.12
36.50	0.00	9,984	179.89	0.11
36.60	0.00	9,943	179.89	0.11
36.70	0.00	9,902	179.89	0.11
36.80	0.00	9,861	179.88	0.11
36.90	0.00	9,820	179.88	0.11
37.00	0.00	9,779	179.88	0.11
37.10	0.00	9,739	179.87	0.11
37.20	0.00	9,698	179.87	0.11
37.30	0.00	9,658	179.87	0.11
37.40	0.00	9,618	179.86	0.11
37.50	0.00	9,578	179.86	0.11
37.60	0.00	9,538	179.86	0.11
37.70	0.00	9,499	179.85	0.11
37.80	0.00	9,459	179.85	0.11
37.90	0.00	9,420	179.85	0.11
38.00	0.00	9,381	179.84	0.11
38.10	0.00	9,342	179.84	0.11
38.20	0.00	9,303	179.84	0.11
38.30	0.00	9,264	179.83	0.11
38.40	0.00	9,225	179.83	0.11
38.50	0.00	9,187	179.83	0.11
38.60	0.00	9,149	179.82	0.11
38.70	0.00	9,111	179.82	0.11
38.80	0.00	9,073	179.82	0.11
38.90	0.00	9,035	179.81	0.10
39.00	0.00	8,997	179.81	0.10
39.10	0.00	8,959	179.81	0.10
39.20	0.00	8,922	179.80	0.10
39.30	0.00	8,885	179.80	0.10
39.40	0.00	8,848	179.80	0.10
39.50	0.00	8,811	179.79	0.10
39.60	0.00	8,774	179.79	0.10
39.70	0.00	8,737	179.79	0.10
39.80	0.00	8,701	179.78	0.10
39.90	0.00	8,665	179.78	0.10
40.00	0.00	8,629	179.78	0.10

Stage-Discharge for Pond B-9: Basin #9

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
179.00	0.00	179.52	0.06	180.04	0.13	180.56	0.18
179.01	0.00	179.53	0.06	180.05	0.13	180.57	0.18
179.02	0.00	179.54	0.06	180.06	0.13	180.58	0.18
179.03	0.00	179.55	0.06	180.07	0.13	180.59	0.18
179.04	0.00	179.56	0.06	180.08	0.13	180.60	0.18
179.05	0.00	179.57	0.07	180.09	0.14	180.61	0.18
179.06	0.00	179.58	0.07	180.10	0.14	180.62	0.18
179.07	0.00	179.59	0.07	180.11	0.14	180.63	0.18
179.08	0.00	179.60	0.07	180.12	0.14	180.64	0.18
179.09	0.00	179.61	0.07	180.13	0.14	180.65	0.18
179.10	0.00	179.62	0.08	180.14	0.14	180.66	0.18
179.11	0.00	179.63	0.08	180.15	0.14	180.67	0.18
179.12	0.00	179.64	0.08	180.16	0.14	180.68	0.19
179.13	0.00	179.65	0.08	180.17	0.14	180.69	0.19
179.14	0.00	179.66	0.08	180.18	0.14	180.70	0.19
179.15	0.00	179.67	0.08	180.19	0.15	180.71	0.19
179.16	0.00	179.68	0.09	180.20	0.15	180.72	0.19
179.17	0.00	179.69	0.09	180.21	0.15	180.73	0.19
179.18	0.00	179.70	0.09	180.22	0.15	180.74	0.19
179.19	0.00	179.71	0.09	180.23	0.15	180.75	0.19
179.20	0.00	179.72	0.09	180.24	0.15	180.76	0.19
179.21	0.00	179.73	0.09	180.25	0.15	180.77	0.19
179.22	0.00	179.74	0.10	180.26	0.15	180.78	0.19
179.23	0.00	179.75	0.10	180.27	0.15	180.79	0.19
179.24	0.00	179.76	0.10	180.28	0.15	180.80	0.19
179.25	0.00	179.77	0.10	180.29	0.15	180.81	0.19
179.26	0.00	179.78	0.10	180.30	0.16	180.82	0.20
179.27	0.00	179.79	0.10	180.31	0.16	180.83	0.20
179.28	0.00	179.80	0.10	180.32	0.16	180.84	0.20
179.29	0.00	179.81	0.10	180.33	0.16	180.85	0.20
179.30	0.00	179.82	0.11	180.34	0.16	180.86	0.20
179.31	0.00	179.83	0.11	180.35	0.16	180.87	0.20
179.32	0.00	179.84	0.11	180.36	0.16	180.88	0.20
179.33	0.00	179.85	0.11	180.37	0.16	180.89	0.20
179.34	0.00	179.86	0.11	180.38	0.16	180.90	0.20
179.35	0.00	179.87	0.11	180.39	0.16	180.91	0.20
179.36	0.01	179.88	0.11	180.40	0.16	180.92	0.20
179.37	0.01	179.89	0.11	180.41	0.16	180.93	0.20
179.38	0.01	179.90	0.12	180.42	0.17	180.94	0.20
179.39	0.01	179.91	0.12	180.43	0.17	180.95	0.20
179.40	0.02	179.92	0.12	180.44	0.17	180.96	0.20
179.41	0.02	179.93	0.12	180.45	0.17	180.97	0.21
179.42	0.02	179.94	0.12	180.46	0.17	180.98	0.21
179.43	0.03	179.95	0.12	180.47	0.17	180.99	0.21
179.44	0.03	179.96	0.12	180.48	0.17	181.00	0.21
179.45	0.03	179.97	0.12	180.49	0.17	181.01	0.22
179.46	0.04	179.98	0.12	180.50	0.17	181.02	0.25
179.47	0.04	179.99	0.13	180.51	0.17	181.03	0.28
179.48	0.05	180.00	0.13	180.52	0.17	181.04	0.31
179.49	0.05	180.01	0.13	180.53	0.17	181.05	0.36
179.50	0.05	180.02	0.13	180.54	0.17	181.06	0.40
179.51	0.05	180.03	0.13	180.55	0.18	181.07	0.45

Stage-Discharge for Pond B-9: Basin #9 (continued)

Elevation (feet)	Primary (cfs)
181.08	0.51
181.09	0.56
181.10	0.63
181.11	0.69
181.12	0.76
181.13	0.82
181.14	0.90
181.15	0.97
181.16	1.05
181.17	1.13
181.18	1.21
181.19	1.29
181.20	1.38
181.21	1.47
181.22	1.56
181.23	1.65
181.24	1.74
181.25	1.84
181.26	1.94
181.27	2.03
181.28	2.14
181.29	2.24
181.30	2.34
181.31	2.45
181.32	2.56
181.33	2.67
181.34	2.78
181.35	2.89
181.36	3.00
181.37	3.12
181.38	3.24
181.39	3.35
181.40	3.47
181.41	3.60
181.42	3.72
181.43	3.84
181.44	3.97
181.45	4.09
181.46	4.22
181.47	4.35
181.48	4.48
181.49	4.61
181.50	4.75
181.51	4.88
181.52	5.02
181.53	5.15
181.54	5.29
181.55	5.43
181.56	5.57
181.57	5.71
181.58	5.85
181.59	6.00
181.60	6.14
181.61	6.29
181.62	6.43
181.63	6.58
181.64	6.73
181.65	6.88
181.66	7.03
181.67	7.18
181.68	7.33
181.69	7.49
181.70	7.64
181.71	7.80
181.72	7.95
181.73	8.11
181.74	8.27
181.75	8.43
181.76	8.59
181.77	8.75
181.78	8.91
181.79	9.08
181.80	9.24
181.81	9.40
181.82	9.57
181.83	9.74
181.84	9.90
181.85	10.07
181.86	10.24
181.87	10.41
181.88	10.58
181.89	10.75
181.90	10.92
181.91	11.10
181.92	11.27
181.93	11.45
181.94	11.62
181.95	11.80
181.96	12.09
181.97	12.48
181.98	12.94
181.99	13.45
182.00	**14.00**

Stage-Area-Storage for Pond B-9: Basin #9

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
179.00	10,720	0	179.52	11,230	5,707
179.01	10,730	107	179.53	11,239	5,819
179.02	10,740	215	179.54	11,249	5,932
179.03	10,749	322	179.55	11,259	6,044
179.04	10,759	430	179.56	11,269	6,157
179.05	10,769	537	179.57	11,279	6,270
179.06	10,779	645	179.58	11,288	6,382
179.07	10,789	753	179.59	11,298	6,495
179.08	10,798	861	179.60	11,308	6,608
179.09	10,808	969	179.61	11,318	6,722
179.10	10,818	1,077	179.62	11,328	6,835
179.11	10,828	1,185	179.63	11,337	6,948
179.12	10,838	1,293	179.64	11,347	7,062
179.13	10,847	1,402	179.65	11,357	7,175
179.14	10,857	1,510	179.66	11,367	7,289
179.15	10,867	1,619	179.67	11,377	7,402
179.16	10,877	1,728	179.68	11,386	7,516
179.17	10,887	1,837	179.69	11,396	7,630
179.18	10,896	1,945	179.70	11,406	7,744
179.19	10,906	2,054	179.71	11,416	7,858
179.20	10,916	2,164	179.72	11,426	7,972
179.21	10,926	2,273	179.73	11,435	8,087
179.22	10,936	2,382	179.74	11,445	8,201
179.23	10,945	2,492	179.75	11,455	8,316
179.24	10,955	2,601	179.76	11,465	8,430
179.25	10,965	2,711	179.77	11,475	8,545
179.26	10,975	2,820	179.78	11,484	8,660
179.27	10,985	2,930	179.79	11,494	8,775
179.28	10,994	3,040	179.80	11,504	8,890
179.29	11,004	3,150	179.81	11,514	9,005
179.30	11,014	3,260	179.82	11,524	9,120
179.31	11,024	3,370	179.83	11,533	9,235
179.32	11,034	3,481	179.84	11,543	9,351
179.33	11,043	3,591	179.85	11,553	9,466
179.34	11,053	3,701	179.86	11,563	9,582
179.35	11,063	3,812	179.87	11,573	9,697
179.36	11,073	3,923	179.88	11,582	9,813
179.37	11,083	4,033	179.89	11,592	9,929
179.38	11,092	4,144	179.90	11,602	10,045
179.39	11,102	4,255	179.91	11,612	10,161
179.40	11,112	4,366	179.92	11,622	10,277
179.41	11,122	4,478	179.93	11,631	10,393
179.42	11,132	4,589	179.94	11,641	10,510
179.43	11,141	4,700	179.95	11,651	10,626
179.44	11,151	4,812	179.96	11,661	10,743
179.45	11,161	4,923	179.97	11,671	10,859
179.46	11,171	5,035	179.98	11,680	10,976
179.47	11,181	5,147	179.99	11,690	11,093
179.48	11,190	5,258	180.00	11,700	11,210
179.49	11,200	5,370	180.01	11,710	11,327
179.50	11,210	5,483	180.02	11,720	11,444
179.51	11,220	5,595	180.03	11,730	11,561

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
180.04	11,740	11,679
180.05	11,750	11,796
180.06	11,760	11,914
180.07	11,771	12,031
180.08	11,781	12,149
180.09	11,791	12,267
180.10	11,801	12,385
180.11	11,811	12,503
180.12	11,821	12,621
180.13	11,831	12,740
180.14	11,841	12,858
180.15	11,851	12,976
180.16	11,861	13,095
180.17	11,871	13,214
180.18	11,881	13,332
180.19	11,892	13,451
180.20	11,902	13,570
180.21	11,912	13,689
180.22	11,922	13,808
180.23	11,932	13,928
180.24	11,942	14,047
180.25	11,952	14,167
180.26	11,962	14,286
180.27	11,972	14,406
180.28	11,982	14,526
180.29	11,992	14,645
180.30	12,002	14,765
180.31	12,012	14,885
180.32	12,023	15,006
180.33	12,033	15,126
180.34	12,043	15,246
180.35	12,053	15,367
180.36	12,063	15,487
180.37	12,073	15,608
180.38	12,083	15,729
180.39	12,093	15,850
180.40	12,103	15,971
180.41	12,113	16,092
180.42	12,123	16,213
180.43	12,133	16,334
180.44	12,144	16,456
180.45	12,154	16,577
180.46	12,164	16,699
180.47	12,174	16,820
180.48	12,184	16,942
180.49	12,194	17,064
180.50	12,204	17,186
180.51	12,214	17,308
180.52	12,224	17,430
180.53	12,234	17,553
180.54	12,244	17,675
180.55	12,254	17,797
180.56	12,264	17,920
180.57	12,275	18,043
180.58	12,285	18,166
180.59	12,295	18,288
180.60	12,305	18,411
180.61	12,315	18,535
180.62	12,325	18,658
180.63	12,335	18,781
180.64	12,345	18,904
180.65	12,355	19,028
180.66	12,365	19,152
180.67	12,375	19,275
180.68	12,385	19,399
180.69	12,396	19,523
180.70	12,406	19,647
180.71	12,416	19,771
180.72	12,426	19,895
180.73	12,436	20,020
180.74	12,446	20,144
180.75	12,456	20,269
180.76	12,466	20,393
180.77	12,476	20,518
180.78	12,486	20,643
180.79	12,496	20,768
180.80	12,506	20,893
180.81	12,516	21,018
180.82	12,527	21,143
180.83	12,537	21,268
180.84	12,547	21,394
180.85	12,557	21,519
180.86	12,567	21,645
180.87	12,577	21,770
180.88	12,587	21,896
180.89	12,597	22,022
180.90	12,607	22,148
180.91	12,617	22,274
180.92	12,627	22,401
180.93	12,637	22,527
180.94	12,648	22,653
180.95	12,658	22,780
180.96	12,668	22,906
180.97	12,678	23,033
180.98	12,688	23,160
180.99	12,698	23,287
181.00	12,708	23,414
181.01	12,718	23,541
181.02	12,729	23,668
181.03	12,739	23,796
181.04	12,749	23,923
181.05	12,760	24,051
181.06	12,770	24,178
181.07	12,781	24,306

Stage-Area-Storage for Pond B-9: Basin #9 (continued)

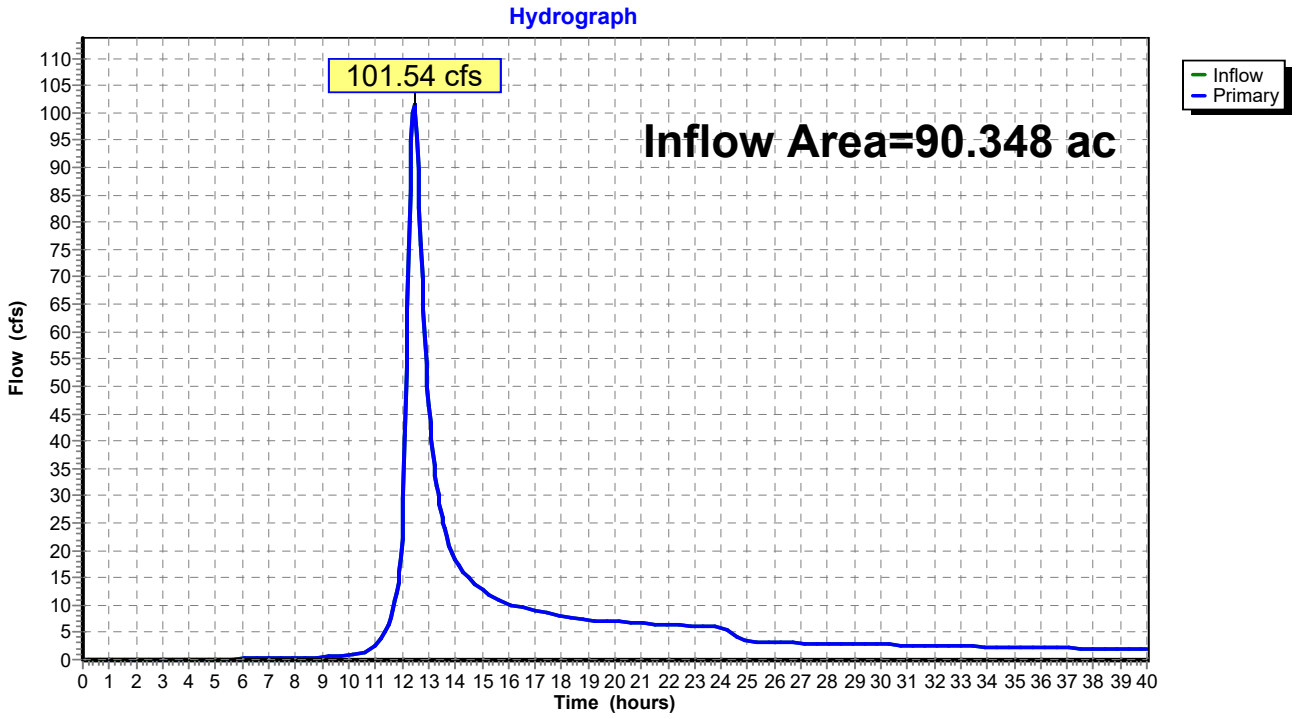
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
181.08	12,791	24,434
181.09	12,801	24,562
181.10	12,812	24,690
181.11	12,822	24,818
181.12	12,832	24,946
181.13	12,843	25,075
181.14	12,853	25,203
181.15	12,864	25,332
181.16	12,874	25,461
181.17	12,884	25,589
181.18	12,895	25,718
181.19	12,905	25,847
181.20	12,915	25,976
181.21	12,926	26,106
181.22	12,936	26,235
181.23	12,947	26,364
181.24	12,957	26,494
181.25	12,967	26,623
181.26	12,978	26,753
181.27	12,988	26,883
181.28	12,998	27,013
181.29	13,009	27,143
181.30	13,019	27,273
181.31	13,029	27,403
181.32	13,040	27,534
181.33	13,050	27,664
181.34	13,061	27,795
181.35	13,071	27,925
181.36	13,081	28,056
181.37	13,092	28,187
181.38	13,102	28,318
181.39	13,112	28,449
181.40	13,123	28,580
181.41	13,133	28,711
181.42	13,144	28,843
181.43	13,154	28,974
181.44	13,164	29,106
181.45	13,175	29,238
181.46	13,185	29,369
181.47	13,195	29,501
181.48	13,206	29,633
181.49	13,216	29,765
181.50	13,227	29,898
181.51	13,237	30,030
181.52	13,247	30,162
181.53	13,258	30,295
181.54	13,268	30,428
181.55	13,278	30,560
181.56	13,289	30,693
181.57	13,299	30,826
181.58	13,309	30,959
181.59	13,320	31,092
181.60	13,330	31,225
181.61	13,341	31,359
181.62	13,351	31,492
181.63	13,361	31,626
181.64	13,372	31,759
181.65	13,382	31,893
181.66	13,392	32,027
181.67	13,403	32,161
181.68	13,413	32,295
181.69	13,424	32,429
181.70	13,434	32,564
181.71	13,444	32,698
181.72	13,455	32,833
181.73	13,465	32,967
181.74	13,475	33,102
181.75	13,486	33,237
181.76	13,496	33,372
181.77	13,506	33,507
181.78	13,517	33,642
181.79	13,527	33,777
181.80	13,538	33,912
181.81	13,548	34,048
181.82	13,558	34,183
181.83	13,569	34,319
181.84	13,579	34,455
181.85	13,589	34,590
181.86	13,600	34,726
181.87	13,610	34,862
181.88	13,621	34,999
181.89	13,631	35,135
181.90	13,641	35,271
181.91	13,652	35,408
181.92	13,662	35,544
181.93	13,672	35,681
181.94	13,683	35,818
181.95	13,693	35,955
181.96	13,704	36,092
181.97	13,714	36,229
181.98	13,724	36,366
181.99	13,735	36,503
182.00	**13,745**	**36,641**

Summary for Link PDA-1: Proposed Drainage Area #1

Inflow Area = 90.348 ac, 19.60% Impervious, Inflow Depth > 2.60" for Future 10 yr event
Inflow = 101.54 cfs @ 12.45 hrs, Volume= 19.611 af
Primary = 101.54 cfs @ 12.45 hrs, Volume= 19.611 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1: Proposed Drainage Area #1



Hydrograph for Link PDA-1: Proposed Drainage Area #1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.05	0.00	0.05
1.30	0.00	0.00	0.00	3.90	0.05	0.00	0.05
1.35	0.00	0.00	0.00	3.95	0.05	0.00	0.05
1.40	0.00	0.00	0.00	4.00	0.06	0.00	0.06
1.45	0.00	0.00	0.00	4.05	0.06	0.00	0.06
1.50	0.00	0.00	0.00	4.10	0.06	0.00	0.06
1.55	0.00	0.00	0.00	4.15	0.07	0.00	0.07
1.60	0.00	0.00	0.00	4.20	0.07	0.00	0.07
1.65	0.00	0.00	0.00	4.25	0.07	0.00	0.07
1.70	0.00	0.00	0.00	4.30	0.07	0.00	0.07
1.75	0.00	0.00	0.00	4.35	0.08	0.00	0.08
1.80	0.00	0.00	0.00	4.40	0.08	0.00	0.08
1.85	0.00	0.00	0.00	4.45	0.08	0.00	0.08
1.90	0.00	0.00	0.00	4.50	0.09	0.00	0.09
1.95	0.00	0.00	0.00	4.55	0.09	0.00	0.09
2.00	0.00	0.00	0.00	4.60	0.09	0.00	0.09
2.05	0.00	0.00	0.00	4.65	0.10	0.00	0.10
2.10	0.00	0.00	0.00	4.70	0.10	0.00	0.10
2.15	0.00	0.00	0.00	4.75	0.10	0.00	0.10
2.20	0.00	0.00	0.00	4.80	0.10	0.00	0.10
2.25	0.00	0.00	0.00	4.85	0.11	0.00	0.11
2.30	0.00	0.00	0.00	4.90	0.11	0.00	0.11
2.35	0.00	0.00	0.00	4.95	0.11	0.00	0.11
2.40	0.00	0.00	0.00	5.00	0.12	0.00	0.12
2.45	0.00	0.00	0.00	5.05	0.12	0.00	0.12
2.50	0.00	0.00	0.00	5.10	0.12	0.00	0.12
2.55	0.00	0.00	0.00	5.15	0.13	0.00	0.13

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.13	0.00	0.13	7.80	0.34	0.00	0.34
5.25	0.13	0.00	0.13	7.85	0.35	0.00	0.35
5.30	0.13	0.00	0.13	7.90	0.35	0.00	0.35
5.35	0.14	0.00	0.14	7.95	0.36	0.00	0.36
5.40	0.14	0.00	0.14	8.00	0.37	0.00	0.37
5.45	0.14	0.00	0.14	8.05	0.37	0.00	0.37
5.50	0.15	0.00	0.15	8.10	0.38	0.00	0.38
5.55	0.15	0.00	0.15	8.15	0.38	0.00	0.38
5.60	0.15	0.00	0.15	8.20	0.39	0.00	0.39
5.65	0.15	0.00	0.15	8.25	0.40	0.00	0.40
5.70	0.16	0.00	0.16	8.30	0.40	0.00	0.40
5.75	0.16	0.00	0.16	8.35	0.41	0.00	0.41
5.80	0.16	0.00	0.16	8.40	0.41	0.00	0.41
5.85	0.17	0.00	0.17	8.45	0.42	0.00	0.42
5.90	0.17	0.00	0.17	8.50	0.43	0.00	0.43
5.95	0.17	0.00	0.17	8.55	0.43	0.00	0.43
6.00	0.17	0.00	0.17	8.60	0.44	0.00	0.44
6.05	0.18	0.00	0.18	8.65	0.44	0.00	0.44
6.10	0.18	0.00	0.18	8.70	0.45	0.00	0.45
6.15	0.18	0.00	0.18	8.75	0.46	0.00	0.46
6.20	0.19	0.00	0.19	8.80	0.46	0.00	0.46
6.25	0.19	0.00	0.19	8.85	0.47	0.00	0.47
6.30	0.19	0.00	0.19	8.90	0.48	0.00	0.48
6.35	0.20	0.00	0.20	8.95	0.48	0.00	0.48
6.40	0.20	0.00	0.20	9.00	0.49	0.00	0.49
6.45	0.20	0.00	0.20	9.05	0.50	0.00	0.50
6.50	0.21	0.00	0.21	9.10	0.50	0.00	0.50
6.55	0.21	0.00	0.21	9.15	0.51	0.00	0.51
6.60	0.22	0.00	0.22	9.20	0.52	0.00	0.52
6.65	0.22	0.00	0.22	9.25	0.53	0.00	0.53
6.70	0.22	0.00	0.22	9.30	0.53	0.00	0.53
6.75	0.23	0.00	0.23	9.35	0.55	0.00	0.55
6.80	0.23	0.00	0.23	9.40	0.56	0.00	0.56
6.85	0.24	0.00	0.24	9.45	0.57	0.00	0.57
6.90	0.24	0.00	0.24	9.50	0.58	0.00	0.58
6.95	0.25	0.00	0.25	9.55	0.60	0.00	0.60
7.00	0.25	0.00	0.25	9.60	0.61	0.00	0.61
7.05	0.26	0.00	0.26	9.65	0.63	0.00	0.63
7.10	0.26	0.00	0.26	9.70	0.65	0.00	0.65
7.15	0.27	0.00	0.27	9.75	0.66	0.00	0.66
7.20	0.27	0.00	0.27	9.80	0.68	0.00	0.68
7.25	0.28	0.00	0.28	9.85	0.70	0.00	0.70
7.30	0.29	0.00	0.29	9.90	0.72	0.00	0.72
7.35	0.29	0.00	0.29	9.95	0.74	0.00	0.74
7.40	0.30	0.00	0.30	10.00	0.76	0.00	0.76
7.45	0.30	0.00	0.30	10.05	0.79	0.00	0.79
7.50	0.31	0.00	0.31	10.10	0.82	0.00	0.82
7.55	0.31	0.00	0.31	10.15	0.85	0.00	0.85
7.60	0.32	0.00	0.32	10.20	0.89	0.00	0.89
7.65	0.32	0.00	0.32	10.25	0.93	0.00	0.93
7.70	0.33	0.00	0.33	10.30	0.98	0.00	0.98
7.75	0.34	0.00	0.34	10.35	1.03	0.00	1.03

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.08	0.00	1.08	13.00	46.37	0.00	46.37
10.45	1.15	0.00	1.15	13.05	43.09	0.00	43.09
10.50	1.21	0.00	1.21	13.10	40.21	0.00	40.21
10.55	1.29	0.00	1.29	13.15	37.71	0.00	37.71
10.60	1.37	0.00	1.37	13.20	35.50	0.00	35.50
10.65	1.45	0.00	1.45	13.25	33.52	0.00	33.52
10.70	1.55	0.00	1.55	13.30	31.74	0.00	31.74
10.75	1.67	0.00	1.67	13.35	30.14	0.00	30.14
10.80	1.80	0.00	1.80	13.40	28.65	0.00	28.65
10.85	1.95	0.00	1.95	13.45	27.31	0.00	27.31
10.90	2.13	0.00	2.13	13.50	26.10	0.00	26.10
10.95	2.33	0.00	2.33	13.55	24.97	0.00	24.97
11.00	2.55	0.00	2.55	13.60	23.92	0.00	23.92
11.05	2.81	0.00	2.81	13.65	22.95	0.00	22.95
11.10	3.09	0.00	3.09	13.70	22.04	0.00	22.04
11.15	3.39	0.00	3.39	13.75	21.17	0.00	21.17
11.20	3.73	0.00	3.73	13.80	20.38	0.00	20.38
11.25	4.11	0.00	4.11	13.85	19.66	0.00	19.66
11.30	4.52	0.00	4.52	13.90	19.02	0.00	19.02
11.35	4.97	0.00	4.97	13.95	18.45	0.00	18.45
11.40	5.47	0.00	5.47	14.00	17.96	0.00	17.96
11.45	6.01	0.00	6.01	14.05	17.52	0.00	17.52
11.50	6.59	0.00	6.59	14.10	17.13	0.00	17.13
11.55	7.23	0.00	7.23	14.15	16.78	0.00	16.78
11.60	7.95	0.00	7.95	14.20	16.47	0.00	16.47
11.65	8.77	0.00	8.77	14.25	16.18	0.00	16.18
11.70	9.73	0.00	9.73	14.30	15.91	0.00	15.91
11.75	10.88	0.00	10.88	14.35	15.66	0.00	15.66
11.80	12.29	0.00	12.29	14.40	15.42	0.00	15.42
11.85	13.98	0.00	13.98	14.45	15.18	0.00	15.18
11.90	16.02	0.00	16.02	14.50	14.95	0.00	14.95
11.95	18.55	0.00	18.55	14.55	14.73	0.00	14.73
12.00	22.04	0.00	22.04	14.60	14.51	0.00	14.51
12.05	29.47	0.00	29.47	14.65	14.29	0.00	14.29
12.10	41.16	0.00	41.16	14.70	14.08	0.00	14.08
12.15	53.44	0.00	53.44	14.75	13.87	0.00	13.87
12.20	64.22	0.00	64.22	14.80	13.66	0.00	13.66
12.25	75.15	0.00	75.15	14.85	13.45	0.00	13.45
12.30	85.90	0.00	85.90	14.90	13.25	0.00	13.25
12.35	94.75	0.00	94.75	14.95	13.04	0.00	13.04
12.40	99.90	0.00	99.90	15.00	12.83	0.00	12.83
12.45	**101.54**	0.00	**101.54**	15.05	12.63	0.00	12.63
12.50	100.01	0.00	100.01	15.10	12.42	0.00	12.42
12.55	95.77	0.00	95.77	15.15	12.21	0.00	12.21
12.60	89.68	0.00	89.68	15.20	12.01	0.00	12.01
12.65	82.75	0.00	82.75	15.25	11.82	0.00	11.82
12.70	75.82	0.00	75.82	15.30	11.63	0.00	11.63
12.75	69.60	0.00	69.60	15.35	11.46	0.00	11.46
12.80	63.99	0.00	63.99	15.40	11.30	0.00	11.30
12.85	58.87	0.00	58.87	15.45	11.16	0.00	11.16
12.90	54.21	0.00	54.21	15.50	11.02	0.00	11.02
12.95	50.04	0.00	50.04	15.55	10.91	0.00	10.91

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	10.80	0.00	10.80	18.20	7.76	0.00	7.76
15.65	10.71	0.00	10.71	18.25	7.71	0.00	7.71
15.70	10.62	0.00	10.62	18.30	7.66	0.00	7.66
15.75	10.54	0.00	10.54	18.35	7.61	0.00	7.61
15.80	10.46	0.00	10.46	18.40	7.57	0.00	7.57
15.85	10.39	0.00	10.39	18.45	7.53	0.00	7.53
15.90	10.32	0.00	10.32	18.50	7.49	0.00	7.49
15.95	10.25	0.00	10.25	18.55	7.46	0.00	7.46
16.00	10.18	0.00	10.18	18.60	7.43	0.00	7.43
16.05	10.12	0.00	10.12	18.65	7.40	0.00	7.40
16.10	10.06	0.00	10.06	18.70	7.38	0.00	7.38
16.15	10.00	0.00	10.00	18.75	7.36	0.00	7.36
16.20	9.94	0.00	9.94	18.80	7.34	0.00	7.34
16.25	9.88	0.00	9.88	18.85	7.32	0.00	7.32
16.30	9.82	0.00	9.82	18.90	7.30	0.00	7.30
16.35	9.76	0.00	9.76	18.95	7.28	0.00	7.28
16.40	9.71	0.00	9.71	19.00	7.26	0.00	7.26
16.45	9.65	0.00	9.65	19.05	7.24	0.00	7.24
16.50	9.59	0.00	9.59	19.10	7.23	0.00	7.23
16.55	9.53	0.00	9.53	19.15	7.21	0.00	7.21
16.60	9.48	0.00	9.48	19.20	7.19	0.00	7.19
16.65	9.42	0.00	9.42	19.25	7.18	0.00	7.18
16.70	9.36	0.00	9.36	19.30	7.16	0.00	7.16
16.75	9.30	0.00	9.30	19.35	7.15	0.00	7.15
16.80	9.25	0.00	9.25	19.40	7.13	0.00	7.13
16.85	9.19	0.00	9.19	19.45	7.12	0.00	7.12
16.90	9.13	0.00	9.13	19.50	7.10	0.00	7.10
16.95	9.08	0.00	9.08	19.55	7.09	0.00	7.09
17.00	9.03	0.00	9.03	19.60	7.07	0.00	7.07
17.05	8.98	0.00	8.98	19.65	7.06	0.00	7.06
17.10	8.93	0.00	8.93	19.70	7.05	0.00	7.05
17.15	8.88	0.00	8.88	19.75	7.03	0.00	7.03
17.20	8.82	0.00	8.82	19.80	7.02	0.00	7.02
17.25	8.77	0.00	8.77	19.85	7.00	0.00	7.00
17.30	8.72	0.00	8.72	19.90	6.99	0.00	6.99
17.35	8.67	0.00	8.67	19.95	6.98	0.00	6.98
17.40	8.61	0.00	8.61	20.00	6.96	0.00	6.96
17.45	8.56	0.00	8.56	20.05	6.95	0.00	6.95
17.50	8.51	0.00	8.51	20.10	6.94	0.00	6.94
17.55	8.45	0.00	8.45	20.15	6.92	0.00	6.92
17.60	8.40	0.00	8.40	20.20	6.91	0.00	6.91
17.65	8.35	0.00	8.35	20.25	6.90	0.00	6.90
17.70	8.29	0.00	8.29	20.30	6.88	0.00	6.88
17.75	8.24	0.00	8.24	20.35	6.87	0.00	6.87
17.80	8.19	0.00	8.19	20.40	6.85	0.00	6.85
17.85	8.13	0.00	8.13	20.45	6.84	0.00	6.84
17.90	8.08	0.00	8.08	20.50	6.82	0.00	6.82
17.95	8.03	0.00	8.03	20.55	6.81	0.00	6.81
18.00	7.98	0.00	7.98	20.60	6.80	0.00	6.80
18.05	7.92	0.00	7.92	20.65	6.78	0.00	6.78
18.10	7.87	0.00	7.87	20.70	6.77	0.00	6.77
18.15	7.82	0.00	7.82	20.75	6.76	0.00	6.76

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	6.74	0.00	6.74	23.40	6.04	0.00	6.04
20.85	6.73	0.00	6.73	23.45	6.03	0.00	6.03
20.90	6.72	0.00	6.72	23.50	6.02	0.00	6.02
20.95	6.70	0.00	6.70	23.55	6.00	0.00	6.00
21.00	6.69	0.00	6.69	23.60	5.99	0.00	5.99
21.05	6.67	0.00	6.67	23.65	5.98	0.00	5.98
21.10	6.66	0.00	6.66	23.70	5.96	0.00	5.96
21.15	6.64	0.00	6.64	23.75	5.95	0.00	5.95
21.20	6.63	0.00	6.63	23.80	5.93	0.00	5.93
21.25	6.62	0.00	6.62	23.85	5.92	0.00	5.92
21.30	6.60	0.00	6.60	23.90	5.91	0.00	5.91
21.35	6.59	0.00	6.59	23.95	5.89	0.00	5.89
21.40	6.58	0.00	6.58	24.00	5.89	0.00	5.89
21.45	6.56	0.00	6.56	24.05	5.88	0.00	5.88
21.50	6.55	0.00	6.55	24.10	5.86	0.00	5.86
21.55	6.54	0.00	6.54	24.15	5.83	0.00	5.83
21.60	6.53	0.00	6.53	24.20	5.76	0.00	5.76
21.65	6.51	0.00	6.51	24.25	5.63	0.00	5.63
21.70	6.50	0.00	6.50	24.30	5.42	0.00	5.42
21.75	6.49	0.00	6.49	24.35	5.17	0.00	5.17
21.80	6.47	0.00	6.47	24.40	4.90	0.00	4.90
21.85	6.46	0.00	6.46	24.45	4.62	0.00	4.62
21.90	6.45	0.00	6.45	24.50	4.36	0.00	4.36
21.95	6.43	0.00	6.43	24.55	4.13	0.00	4.13
22.00	6.42	0.00	6.42	24.60	3.94	0.00	3.94
22.05	6.41	0.00	6.41	24.65	3.79	0.00	3.79
22.10	6.40	0.00	6.40	24.70	3.68	0.00	3.68
22.15	6.38	0.00	6.38	24.75	3.58	0.00	3.58
22.20	6.37	0.00	6.37	24.80	3.51	0.00	3.51
22.25	6.36	0.00	6.36	24.85	3.45	0.00	3.45
22.30	6.34	0.00	6.34	24.90	3.40	0.00	3.40
22.35	6.33	0.00	6.33	24.95	3.36	0.00	3.36
22.40	6.32	0.00	6.32	25.00	3.32	0.00	3.32
22.45	6.30	0.00	6.30	25.05	3.30	0.00	3.30
22.50	6.29	0.00	6.29	25.10	3.28	0.00	3.28
22.55	6.28	0.00	6.28	25.15	3.26	0.00	3.26
22.60	6.26	0.00	6.26	25.20	3.24	0.00	3.24
22.65	6.25	0.00	6.25	25.25	3.23	0.00	3.23
22.70	6.24	0.00	6.24	25.30	3.22	0.00	3.22
22.75	6.22	0.00	6.22	25.35	3.21	0.00	3.21
22.80	6.21	0.00	6.21	25.40	3.20	0.00	3.20
22.85	6.20	0.00	6.20	25.45	3.19	0.00	3.19
22.90	6.18	0.00	6.18	25.50	3.18	0.00	3.18
22.95	6.17	0.00	6.17	25.55	3.17	0.00	3.17
23.00	6.15	0.00	6.15	25.60	3.17	0.00	3.17
23.05	6.14	0.00	6.14	25.65	3.16	0.00	3.16
23.10	6.13	0.00	6.13	25.70	3.16	0.00	3.16
23.15	6.11	0.00	6.11	25.75	3.15	0.00	3.15
23.20	6.10	0.00	6.10	25.80	3.15	0.00	3.15
23.25	6.09	0.00	6.09	25.85	3.14	0.00	3.14
23.30	6.07	0.00	6.07	25.90	3.14	0.00	3.14
23.35	6.06	0.00	6.06	25.95	3.13	0.00	3.13

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	3.13	0.00	3.13	28.60	2.89	0.00	2.89
26.05	3.12	0.00	3.12	28.65	2.88	0.00	2.88
26.10	3.12	0.00	3.12	28.70	2.88	0.00	2.88
26.15	3.11	0.00	3.11	28.75	2.87	0.00	2.87
26.20	3.11	0.00	3.11	28.80	2.87	0.00	2.87
26.25	3.10	0.00	3.10	28.85	2.86	0.00	2.86
26.30	3.10	0.00	3.10	28.90	2.86	0.00	2.86
26.35	3.10	0.00	3.10	28.95	2.85	0.00	2.85
26.40	3.09	0.00	3.09	29.00	2.85	0.00	2.85
26.45	3.09	0.00	3.09	29.05	2.84	0.00	2.84
26.50	3.08	0.00	3.08	29.10	2.84	0.00	2.84
26.55	3.08	0.00	3.08	29.15	2.83	0.00	2.83
26.60	3.07	0.00	3.07	29.20	2.83	0.00	2.83
26.65	3.07	0.00	3.07	29.25	2.83	0.00	2.83
26.70	3.06	0.00	3.06	29.30	2.82	0.00	2.82
26.75	3.06	0.00	3.06	29.35	2.82	0.00	2.82
26.80	3.05	0.00	3.05	29.40	2.81	0.00	2.81
26.85	3.05	0.00	3.05	29.45	2.81	0.00	2.81
26.90	3.04	0.00	3.04	29.50	2.80	0.00	2.80
26.95	3.04	0.00	3.04	29.55	2.80	0.00	2.80
27.00	3.04	0.00	3.04	29.60	2.79	0.00	2.79
27.05	3.03	0.00	3.03	29.65	2.79	0.00	2.79
27.10	3.03	0.00	3.03	29.70	2.78	0.00	2.78
27.15	3.02	0.00	3.02	29.75	2.78	0.00	2.78
27.20	3.02	0.00	3.02	29.80	2.77	0.00	2.77
27.25	3.01	0.00	3.01	29.85	2.77	0.00	2.77
27.30	3.01	0.00	3.01	29.90	2.76	0.00	2.76
27.35	3.00	0.00	3.00	29.95	2.76	0.00	2.76
27.40	3.00	0.00	3.00	30.00	2.75	0.00	2.75
27.45	2.99	0.00	2.99	30.05	2.75	0.00	2.75
27.50	2.99	0.00	2.99	30.10	2.75	0.00	2.75
27.55	2.98	0.00	2.98	30.15	2.74	0.00	2.74
27.60	2.98	0.00	2.98	30.20	2.74	0.00	2.74
27.65	2.97	0.00	2.97	30.25	2.73	0.00	2.73
27.70	2.97	0.00	2.97	30.30	2.73	0.00	2.73
27.75	2.97	0.00	2.97	30.35	2.72	0.00	2.72
27.80	2.96	0.00	2.96	30.40	2.72	0.00	2.72
27.85	2.96	0.00	2.96	30.45	2.71	0.00	2.71
27.90	2.95	0.00	2.95	30.50	2.71	0.00	2.71
27.95	2.95	0.00	2.95	30.55	2.70	0.00	2.70
28.00	2.94	0.00	2.94	30.60	2.70	0.00	2.70
28.05	2.94	0.00	2.94	30.65	2.69	0.00	2.69
28.10	2.93	0.00	2.93	30.70	2.69	0.00	2.69
28.15	2.93	0.00	2.93	30.75	2.68	0.00	2.68
28.20	2.92	0.00	2.92	30.80	2.68	0.00	2.68
28.25	2.92	0.00	2.92	30.85	2.67	0.00	2.67
28.30	2.91	0.00	2.91	30.90	2.67	0.00	2.67
28.35	2.91	0.00	2.91	30.95	2.67	0.00	2.67
28.40	2.90	0.00	2.90	31.00	2.66	0.00	2.66
28.45	2.90	0.00	2.90	31.05	2.66	0.00	2.66
28.50	2.90	0.00	2.90	31.10	2.65	0.00	2.65
28.55	2.89	0.00	2.89	31.15	2.65	0.00	2.65

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	2.64	0.00	2.64	33.80	2.40	0.00	2.40
31.25	2.64	0.00	2.64	33.85	2.39	0.00	2.39
31.30	2.63	0.00	2.63	33.90	2.39	0.00	2.39
31.35	2.63	0.00	2.63	33.95	2.38	0.00	2.38
31.40	2.62	0.00	2.62	34.00	2.38	0.00	2.38
31.45	2.62	0.00	2.62	34.05	2.37	0.00	2.37
31.50	2.61	0.00	2.61	34.10	2.37	0.00	2.37
31.55	2.61	0.00	2.61	34.15	2.36	0.00	2.36
31.60	2.60	0.00	2.60	34.20	2.36	0.00	2.36
31.65	2.60	0.00	2.60	34.25	2.35	0.00	2.35
31.70	2.59	0.00	2.59	34.30	2.35	0.00	2.35
31.75	2.59	0.00	2.59	34.35	2.34	0.00	2.34
31.80	2.58	0.00	2.58	34.40	2.34	0.00	2.34
31.85	2.58	0.00	2.58	34.45	2.33	0.00	2.33
31.90	2.58	0.00	2.58	34.50	2.33	0.00	2.33
31.95	2.57	0.00	2.57	34.55	2.32	0.00	2.32
32.00	2.57	0.00	2.57	34.60	2.32	0.00	2.32
32.05	2.56	0.00	2.56	34.65	2.31	0.00	2.31
32.10	2.56	0.00	2.56	34.70	2.31	0.00	2.31
32.15	2.55	0.00	2.55	34.75	2.30	0.00	2.30
32.20	2.55	0.00	2.55	34.80	2.30	0.00	2.30
32.25	2.54	0.00	2.54	34.85	2.30	0.00	2.30
32.30	2.54	0.00	2.54	34.90	2.29	0.00	2.29
32.35	2.53	0.00	2.53	34.95	2.29	0.00	2.29
32.40	2.53	0.00	2.53	35.00	2.28	0.00	2.28
32.45	2.52	0.00	2.52	35.05	2.28	0.00	2.28
32.50	2.52	0.00	2.52	35.10	2.27	0.00	2.27
32.55	2.51	0.00	2.51	35.15	2.27	0.00	2.27
32.60	2.51	0.00	2.51	35.20	2.26	0.00	2.26
32.65	2.50	0.00	2.50	35.25	2.26	0.00	2.26
32.70	2.50	0.00	2.50	35.30	2.25	0.00	2.25
32.75	2.49	0.00	2.49	35.35	2.25	0.00	2.25
32.80	2.49	0.00	2.49	35.40	2.24	0.00	2.24
32.85	2.49	0.00	2.49	35.45	2.24	0.00	2.24
32.90	2.48	0.00	2.48	35.50	2.23	0.00	2.23
32.95	2.48	0.00	2.48	35.55	2.23	0.00	2.23
33.00	2.47	0.00	2.47	35.60	2.22	0.00	2.22
33.05	2.47	0.00	2.47	35.65	2.22	0.00	2.22
33.10	2.46	0.00	2.46	35.70	2.21	0.00	2.21
33.15	2.46	0.00	2.46	35.75	2.21	0.00	2.21
33.20	2.45	0.00	2.45	35.80	2.20	0.00	2.20
33.25	2.45	0.00	2.45	35.85	2.20	0.00	2.20
33.30	2.44	0.00	2.44	35.90	2.19	0.00	2.19
33.35	2.44	0.00	2.44	35.95	2.19	0.00	2.19
33.40	2.43	0.00	2.43	36.00	2.19	0.00	2.19
33.45	2.43	0.00	2.43	36.05	2.18	0.00	2.18
33.50	2.42	0.00	2.42	36.10	2.18	0.00	2.18
33.55	2.42	0.00	2.42	36.15	2.17	0.00	2.17
33.60	2.41	0.00	2.41	36.20	2.17	0.00	2.17
33.65	2.41	0.00	2.41	36.25	2.16	0.00	2.16
33.70	2.40	0.00	2.40	36.30	2.16	0.00	2.16
33.75	2.40	0.00	2.40	36.35	2.15	0.00	2.15

Hydrograph for Link PDA-1: Proposed Drainage Area #1 (continued)

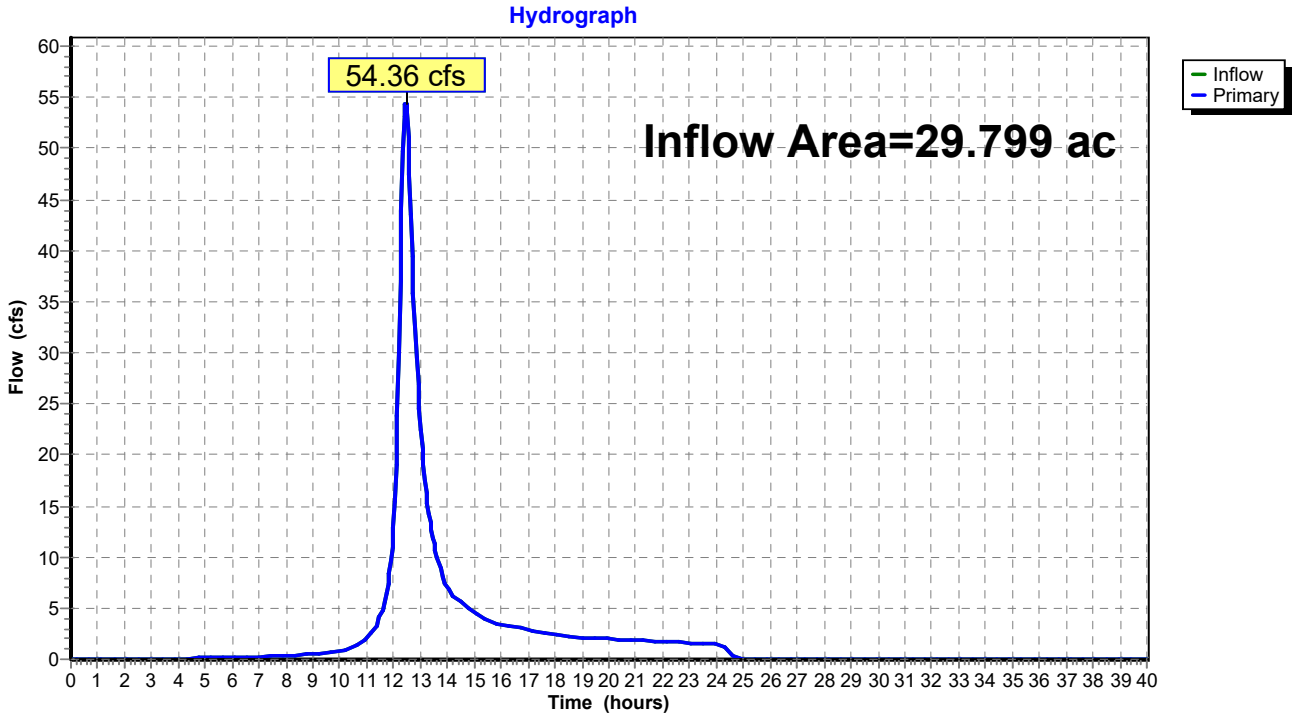
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	2.15	0.00	2.15
36.45	2.14	0.00	2.14
36.50	2.14	0.00	2.14
36.55	2.13	0.00	2.13
36.60	2.13	0.00	2.13
36.65	2.12	0.00	2.12
36.70	2.12	0.00	2.12
36.75	2.11	0.00	2.11
36.80	2.11	0.00	2.11
36.85	2.10	0.00	2.10
36.90	2.10	0.00	2.10
36.95	2.09	0.00	2.09
37.00	2.09	0.00	2.09
37.05	2.08	0.00	2.08
37.10	2.08	0.00	2.08
37.15	2.07	0.00	2.07
37.20	2.07	0.00	2.07
37.25	2.07	0.00	2.07
37.30	2.06	0.00	2.06
37.35	2.06	0.00	2.06
37.40	2.05	0.00	2.05
37.45	2.05	0.00	2.05
37.50	2.04	0.00	2.04
37.55	2.04	0.00	2.04
37.60	2.03	0.00	2.03
37.65	2.03	0.00	2.03
37.70	2.02	0.00	2.02
37.75	2.02	0.00	2.02
37.80	2.01	0.00	2.01
37.85	2.01	0.00	2.01
37.90	2.00	0.00	2.00
37.95	2.00	0.00	2.00
38.00	1.99	0.00	1.99
38.05	1.99	0.00	1.99
38.10	1.98	0.00	1.98
38.15	1.98	0.00	1.98
38.20	1.97	0.00	1.97
38.25	1.97	0.00	1.97
38.30	1.96	0.00	1.96
38.35	1.96	0.00	1.96
38.40	1.95	0.00	1.95
38.45	1.95	0.00	1.95
38.50	1.95	0.00	1.95
38.55	1.94	0.00	1.94
38.60	1.94	0.00	1.94
38.65	1.93	0.00	1.93
38.70	1.93	0.00	1.93
38.75	1.92	0.00	1.92
38.80	1.92	0.00	1.92
38.85	1.91	0.00	1.91
38.90	1.91	0.00	1.91
38.95	1.90	0.00	1.90
39.00	1.90	0.00	1.90
39.05	1.89	0.00	1.89
39.10	1.89	0.00	1.89
39.15	1.88	0.00	1.88
39.20	1.88	0.00	1.88
39.25	1.87	0.00	1.87
39.30	1.87	0.00	1.87
39.35	1.86	0.00	1.86
39.40	1.86	0.00	1.86
39.45	1.85	0.00	1.85
39.50	1.85	0.00	1.85
39.55	1.84	0.00	1.84
39.60	1.84	0.00	1.84
39.65	1.83	0.00	1.83
39.70	1.83	0.00	1.83
39.75	1.82	0.00	1.82
39.80	1.82	0.00	1.82
39.85	1.82	0.00	1.82
39.90	1.81	0.00	1.81
39.95	1.81	0.00	1.81
40.00	1.80	0.00	1.80

Summary for Link PDA-1OF: PDA-1 (offsite)

Inflow Area = 29.799 ac, 8.84% Impervious, Inflow Depth = 2.80" for Future 10 yr event
Inflow = 54.36 cfs @ 12.45 hrs, Volume= 6.949 af
Primary = 54.36 cfs @ 12.45 hrs, Volume= 6.949 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1OF: PDA-1 (offsite)



Hydrograph for Link PDA-1OF: PDA-1 (offsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.05	0.00	0.05
1.30	0.00	0.00	0.00	3.90	0.05	0.00	0.05
1.35	0.00	0.00	0.00	3.95	0.05	0.00	0.05
1.40	0.00	0.00	0.00	4.00	0.06	0.00	0.06
1.45	0.00	0.00	0.00	4.05	0.06	0.00	0.06
1.50	0.00	0.00	0.00	4.10	0.06	0.00	0.06
1.55	0.00	0.00	0.00	4.15	0.07	0.00	0.07
1.60	0.00	0.00	0.00	4.20	0.07	0.00	0.07
1.65	0.00	0.00	0.00	4.25	0.07	0.00	0.07
1.70	0.00	0.00	0.00	4.30	0.07	0.00	0.07
1.75	0.00	0.00	0.00	4.35	0.08	0.00	0.08
1.80	0.00	0.00	0.00	4.40	0.08	0.00	0.08
1.85	0.00	0.00	0.00	4.45	0.08	0.00	0.08
1.90	0.00	0.00	0.00	4.50	0.09	0.00	0.09
1.95	0.00	0.00	0.00	4.55	0.09	0.00	0.09
2.00	0.00	0.00	0.00	4.60	0.09	0.00	0.09
2.05	0.00	0.00	0.00	4.65	0.10	0.00	0.10
2.10	0.00	0.00	0.00	4.70	0.10	0.00	0.10
2.15	0.00	0.00	0.00	4.75	0.10	0.00	0.10
2.20	0.00	0.00	0.00	4.80	0.10	0.00	0.10
2.25	0.00	0.00	0.00	4.85	0.11	0.00	0.11
2.30	0.00	0.00	0.00	4.90	0.11	0.00	0.11
2.35	0.00	0.00	0.00	4.95	0.11	0.00	0.11
2.40	0.00	0.00	0.00	5.00	0.12	0.00	0.12
2.45	0.00	0.00	0.00	5.05	0.12	0.00	0.12
2.50	0.00	0.00	0.00	5.10	0.12	0.00	0.12
2.55	0.00	0.00	0.00	5.15	0.13	0.00	0.13

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.13	0.00	0.13	7.80	0.34	0.00	0.34
5.25	0.13	0.00	0.13	7.85	0.35	0.00	0.35
5.30	0.13	0.00	0.13	7.90	0.35	0.00	0.35
5.35	0.14	0.00	0.14	7.95	0.36	0.00	0.36
5.40	0.14	0.00	0.14	8.00	0.37	0.00	0.37
5.45	0.14	0.00	0.14	8.05	0.37	0.00	0.37
5.50	0.15	0.00	0.15	8.10	0.38	0.00	0.38
5.55	0.15	0.00	0.15	8.15	0.38	0.00	0.38
5.60	0.15	0.00	0.15	8.20	0.39	0.00	0.39
5.65	0.15	0.00	0.15	8.25	0.40	0.00	0.40
5.70	0.16	0.00	0.16	8.30	0.40	0.00	0.40
5.75	0.16	0.00	0.16	8.35	0.41	0.00	0.41
5.80	0.16	0.00	0.16	8.40	0.41	0.00	0.41
5.85	0.17	0.00	0.17	8.45	0.42	0.00	0.42
5.90	0.17	0.00	0.17	8.50	0.43	0.00	0.43
5.95	0.17	0.00	0.17	8.55	0.43	0.00	0.43
6.00	0.17	0.00	0.17	8.60	0.44	0.00	0.44
6.05	0.18	0.00	0.18	8.65	0.44	0.00	0.44
6.10	0.18	0.00	0.18	8.70	0.45	0.00	0.45
6.15	0.18	0.00	0.18	8.75	0.46	0.00	0.46
6.20	0.19	0.00	0.19	8.80	0.46	0.00	0.46
6.25	0.19	0.00	0.19	8.85	0.47	0.00	0.47
6.30	0.19	0.00	0.19	8.90	0.48	0.00	0.48
6.35	0.20	0.00	0.20	8.95	0.48	0.00	0.48
6.40	0.20	0.00	0.20	9.00	0.49	0.00	0.49
6.45	0.20	0.00	0.20	9.05	0.50	0.00	0.50
6.50	0.21	0.00	0.21	9.10	0.50	0.00	0.50
6.55	0.21	0.00	0.21	9.15	0.51	0.00	0.51
6.60	0.22	0.00	0.22	9.20	0.52	0.00	0.52
6.65	0.22	0.00	0.22	9.25	0.53	0.00	0.53
6.70	0.22	0.00	0.22	9.30	0.53	0.00	0.53
6.75	0.23	0.00	0.23	9.35	0.55	0.00	0.55
6.80	0.23	0.00	0.23	9.40	0.56	0.00	0.56
6.85	0.24	0.00	0.24	9.45	0.57	0.00	0.57
6.90	0.24	0.00	0.24	9.50	0.58	0.00	0.58
6.95	0.25	0.00	0.25	9.55	0.60	0.00	0.60
7.00	0.25	0.00	0.25	9.60	0.61	0.00	0.61
7.05	0.26	0.00	0.26	9.65	0.63	0.00	0.63
7.10	0.26	0.00	0.26	9.70	0.65	0.00	0.65
7.15	0.27	0.00	0.27	9.75	0.66	0.00	0.66
7.20	0.27	0.00	0.27	9.80	0.68	0.00	0.68
7.25	0.28	0.00	0.28	9.85	0.70	0.00	0.70
7.30	0.29	0.00	0.29	9.90	0.72	0.00	0.72
7.35	0.29	0.00	0.29	9.95	0.74	0.00	0.74
7.40	0.30	0.00	0.30	10.00	0.76	0.00	0.76
7.45	0.30	0.00	0.30	10.05	0.79	0.00	0.79
7.50	0.31	0.00	0.31	10.10	0.82	0.00	0.82
7.55	0.31	0.00	0.31	10.15	0.85	0.00	0.85
7.60	0.32	0.00	0.32	10.20	0.89	0.00	0.89
7.65	0.32	0.00	0.32	10.25	0.93	0.00	0.93
7.70	0.33	0.00	0.33	10.30	0.98	0.00	0.98
7.75	0.34	0.00	0.34	10.35	1.02	0.00	1.02

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.07	0.00	1.07	13.00	22.39	0.00	22.39
10.45	1.12	0.00	1.12	13.05	20.55	0.00	20.55
10.50	1.17	0.00	1.17	13.10	18.96	0.00	18.96
10.55	1.23	0.00	1.23	13.15	17.58	0.00	17.58
10.60	1.29	0.00	1.29	13.20	16.36	0.00	16.36
10.65	1.35	0.00	1.35	13.25	15.27	0.00	15.27
10.70	1.41	0.00	1.41	13.30	14.30	0.00	14.30
10.75	1.49	0.00	1.49	13.35	13.42	0.00	13.42
10.80	1.57	0.00	1.57	13.40	12.62	0.00	12.62
10.85	1.67	0.00	1.67	13.45	11.90	0.00	11.90
10.90	1.77	0.00	1.77	13.50	11.26	0.00	11.26
10.95	1.89	0.00	1.89	13.55	10.67	0.00	10.67
11.00	2.02	0.00	2.02	13.60	10.13	0.00	10.13
11.05	2.16	0.00	2.16	13.65	9.63	0.00	9.63
11.10	2.31	0.00	2.31	13.70	9.15	0.00	9.15
11.15	2.48	0.00	2.48	13.75	8.70	0.00	8.70
11.20	2.66	0.00	2.66	13.80	8.29	0.00	8.29
11.25	2.86	0.00	2.86	13.85	7.92	0.00	7.92
11.30	3.08	0.00	3.08	13.90	7.58	0.00	7.58
11.35	3.32	0.00	3.32	13.95	7.29	0.00	7.29
11.40	3.59	0.00	3.59	14.00	7.04	0.00	7.04
11.45	3.89	0.00	3.89	14.05	6.82	0.00	6.82
11.50	4.21	0.00	4.21	14.10	6.63	0.00	6.63
11.55	4.56	0.00	4.56	14.15	6.45	0.00	6.45
11.60	4.94	0.00	4.94	14.20	6.30	0.00	6.30
11.65	5.40	0.00	5.40	14.25	6.16	0.00	6.16
11.70	5.93	0.00	5.93	14.30	6.03	0.00	6.03
11.75	6.59	0.00	6.59	14.35	5.92	0.00	5.92
11.80	7.41	0.00	7.41	14.40	5.80	0.00	5.80
11.85	8.38	0.00	8.38	14.45	5.69	0.00	5.69
11.90	9.56	0.00	9.56	14.50	5.59	0.00	5.59
11.95	11.03	0.00	11.03	14.55	5.49	0.00	5.49
12.00	12.91	0.00	12.91	14.60	5.39	0.00	5.39
12.05	15.45	0.00	15.45	14.65	5.29	0.00	5.29
12.10	18.96	0.00	18.96	14.70	5.20	0.00	5.20
12.15	23.79	0.00	23.79	14.75	5.10	0.00	5.10
12.20	29.97	0.00	29.97	14.80	5.01	0.00	5.01
12.25	36.99	0.00	36.99	14.85	4.91	0.00	4.91
12.30	43.95	0.00	43.95	14.90	4.82	0.00	4.82
12.35	49.69	0.00	49.69	14.95	4.73	0.00	4.73
12.40	53.14	0.00	53.14	15.00	4.63	0.00	4.63
12.45	**54.35**	0.00	**54.35**	15.05	4.54	0.00	4.54
12.50	53.51	0.00	53.51	15.10	4.45	0.00	4.45
12.55	51.04	0.00	51.04	15.15	4.35	0.00	4.35
12.60	47.55	0.00	47.55	15.20	4.26	0.00	4.26
12.65	43.53	0.00	43.53	15.25	4.17	0.00	4.17
12.70	39.47	0.00	39.47	15.30	4.08	0.00	4.08
12.75	35.82	0.00	35.82	15.35	4.00	0.00	4.00
12.80	32.54	0.00	32.54	15.40	3.93	0.00	3.93
12.85	29.56	0.00	29.56	15.45	3.86	0.00	3.86
12.90	26.87	0.00	26.87	15.50	3.79	0.00	3.79
12.95	24.47	0.00	24.47	15.55	3.74	0.00	3.74

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.69	0.00	3.69	18.20	2.32	0.00	2.32
15.65	3.65	0.00	3.65	18.25	2.29	0.00	2.29
15.70	3.61	0.00	3.61	18.30	2.27	0.00	2.27
15.75	3.57	0.00	3.57	18.35	2.25	0.00	2.25
15.80	3.54	0.00	3.54	18.40	2.22	0.00	2.22
15.85	3.51	0.00	3.51	18.45	2.20	0.00	2.20
15.90	3.48	0.00	3.48	18.50	2.19	0.00	2.19
15.95	3.45	0.00	3.45	18.55	2.17	0.00	2.17
16.00	3.42	0.00	3.42	18.60	2.16	0.00	2.16
16.05	3.39	0.00	3.39	18.65	2.15	0.00	2.15
16.10	3.37	0.00	3.37	18.70	2.14	0.00	2.14
16.15	3.34	0.00	3.34	18.75	2.13	0.00	2.13
16.20	3.31	0.00	3.31	18.80	2.12	0.00	2.12
16.25	3.29	0.00	3.29	18.85	2.11	0.00	2.11
16.30	3.27	0.00	3.27	18.90	2.10	0.00	2.10
16.35	3.24	0.00	3.24	18.95	2.10	0.00	2.10
16.40	3.22	0.00	3.22	19.00	2.09	0.00	2.09
16.45	3.19	0.00	3.19	19.05	2.08	0.00	2.08
16.50	3.17	0.00	3.17	19.10	2.08	0.00	2.08
16.55	3.14	0.00	3.14	19.15	2.07	0.00	2.07
16.60	3.12	0.00	3.12	19.20	2.06	0.00	2.06
16.65	3.09	0.00	3.09	19.25	2.06	0.00	2.06
16.70	3.07	0.00	3.07	19.30	2.05	0.00	2.05
16.75	3.04	0.00	3.04	19.35	2.04	0.00	2.04
16.80	3.02	0.00	3.02	19.40	2.04	0.00	2.04
16.85	2.99	0.00	2.99	19.45	2.03	0.00	2.03
16.90	2.97	0.00	2.97	19.50	2.03	0.00	2.03
16.95	2.95	0.00	2.95	19.55	2.02	0.00	2.02
17.00	2.92	0.00	2.92	19.60	2.01	0.00	2.01
17.05	2.89	0.00	2.89	19.65	2.01	0.00	2.01
17.10	2.87	0.00	2.87	19.70	2.00	0.00	2.00
17.15	2.85	0.00	2.85	19.75	2.00	0.00	2.00
17.20	2.82	0.00	2.82	19.80	1.99	0.00	1.99
17.25	2.80	0.00	2.80	19.85	1.98	0.00	1.98
17.30	2.77	0.00	2.77	19.90	1.98	0.00	1.98
17.35	2.75	0.00	2.75	19.95	1.97	0.00	1.97
17.40	2.72	0.00	2.72	20.00	1.97	0.00	1.97
17.45	2.70	0.00	2.70	20.05	1.96	0.00	1.96
17.50	2.67	0.00	2.67	20.10	1.95	0.00	1.95
17.55	2.65	0.00	2.65	20.15	1.95	0.00	1.95
17.60	2.62	0.00	2.62	20.20	1.94	0.00	1.94
17.65	2.60	0.00	2.60	20.25	1.94	0.00	1.94
17.70	2.57	0.00	2.57	20.30	1.93	0.00	1.93
17.75	2.54	0.00	2.54	20.35	1.92	0.00	1.92
17.80	2.52	0.00	2.52	20.40	1.92	0.00	1.92
17.85	2.50	0.00	2.50	20.45	1.91	0.00	1.91
17.90	2.47	0.00	2.47	20.50	1.90	0.00	1.90
17.95	2.44	0.00	2.44	20.55	1.90	0.00	1.90
18.00	2.42	0.00	2.42	20.60	1.89	0.00	1.89
18.05	2.39	0.00	2.39	20.65	1.88	0.00	1.88
18.10	2.37	0.00	2.37	20.70	1.88	0.00	1.88
18.15	2.34	0.00	2.34	20.75	1.87	0.00	1.87

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.87	0.00	1.87	23.40	1.54	0.00	1.54
20.85	1.86	0.00	1.86	23.45	1.53	0.00	1.53
20.90	1.86	0.00	1.86	23.50	1.52	0.00	1.52
20.95	1.85	0.00	1.85	23.55	1.52	0.00	1.52
21.00	1.84	0.00	1.84	23.60	1.51	0.00	1.51
21.05	1.84	0.00	1.84	23.65	1.50	0.00	1.50
21.10	1.83	0.00	1.83	23.70	1.50	0.00	1.50
21.15	1.82	0.00	1.82	23.75	1.49	0.00	1.49
21.20	1.82	0.00	1.82	23.80	1.48	0.00	1.48
21.25	1.81	0.00	1.81	23.85	1.48	0.00	1.48
21.30	1.80	0.00	1.80	23.90	1.47	0.00	1.47
21.35	1.80	0.00	1.80	23.95	1.46	0.00	1.46
21.40	1.79	0.00	1.79	24.00	1.46	0.00	1.46
21.45	1.78	0.00	1.78	24.05	1.46	0.00	1.46
21.50	1.78	0.00	1.78	24.10	1.45	0.00	1.45
21.55	1.77	0.00	1.77	24.15	1.44	0.00	1.44
21.60	1.77	0.00	1.77	24.20	1.40	0.00	1.40
21.65	1.76	0.00	1.76	24.25	1.33	0.00	1.33
21.70	1.75	0.00	1.75	24.30	1.21	0.00	1.21
21.75	1.75	0.00	1.75	24.35	1.08	0.00	1.08
21.80	1.74	0.00	1.74	24.40	0.92	0.00	0.92
21.85	1.73	0.00	1.73	24.45	0.77	0.00	0.77
21.90	1.73	0.00	1.73	24.50	0.62	0.00	0.62
21.95	1.72	0.00	1.72	24.55	0.50	0.00	0.50
22.00	1.72	0.00	1.72	24.60	0.39	0.00	0.39
22.05	1.71	0.00	1.71	24.65	0.31	0.00	0.31
22.10	1.70	0.00	1.70	24.70	0.24	0.00	0.24
22.15	1.70	0.00	1.70	24.75	0.19	0.00	0.19
22.20	1.69	0.00	1.69	24.80	0.15	0.00	0.15
22.25	1.68	0.00	1.68	24.85	0.12	0.00	0.12
22.30	1.68	0.00	1.68	24.90	0.10	0.00	0.10
22.35	1.67	0.00	1.67	24.95	0.08	0.00	0.08
22.40	1.66	0.00	1.66	25.00	0.06	0.00	0.06
22.45	1.66	0.00	1.66	25.05	0.05	0.00	0.05
22.50	1.65	0.00	1.65	25.10	0.04	0.00	0.04
22.55	1.65	0.00	1.65	25.15	0.03	0.00	0.03
22.60	1.64	0.00	1.64	25.20	0.02	0.00	0.02
22.65	1.63	0.00	1.63	25.25	0.02	0.00	0.02
22.70	1.63	0.00	1.63	25.30	0.01	0.00	0.01
22.75	1.62	0.00	1.62	25.35	0.01	0.00	0.01
22.80	1.61	0.00	1.61	25.40	0.01	0.00	0.01
22.85	1.61	0.00	1.61	25.45	0.01	0.00	0.01
22.90	1.60	0.00	1.60	25.50	0.00	0.00	0.00
22.95	1.59	0.00	1.59	25.55	0.00	0.00	0.00
23.00	1.59	0.00	1.59	25.60	0.00	0.00	0.00
23.05	1.58	0.00	1.58	25.65	0.00	0.00	0.00
23.10	1.57	0.00	1.57	25.70	0.00	0.00	0.00
23.15	1.57	0.00	1.57	25.75	0.00	0.00	0.00
23.20	1.56	0.00	1.56	25.80	0.00	0.00	0.00
23.25	1.55	0.00	1.55	25.85	0.00	0.00	0.00
23.30	1.55	0.00	1.55	25.90	0.00	0.00	0.00
23.35	1.54	0.00	1.54	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-1OF: PDA-1 (offsite) (continued)

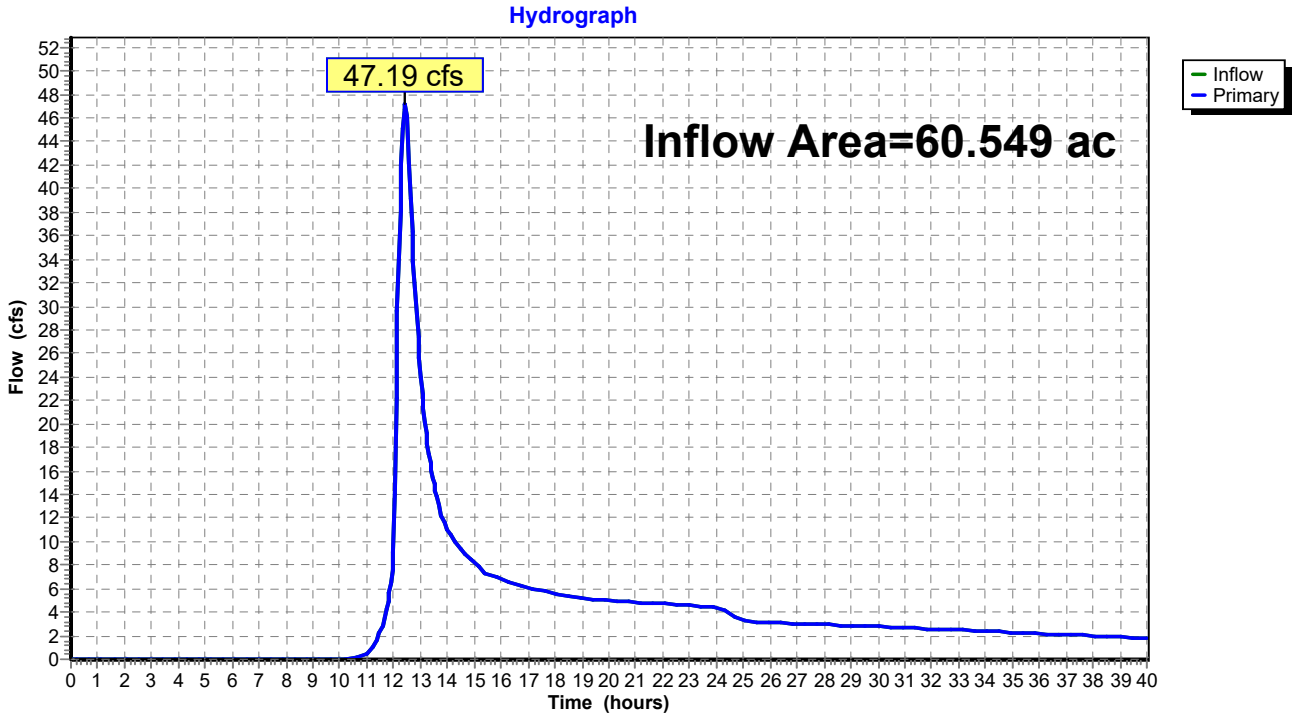
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-1ON: PDA-1 (onsite)

Inflow Area = 60.549 ac, 24.89% Impervious, Inflow Depth > 2.51" for Future 10 yr event
Inflow = 47.19 cfs @ 12.44 hrs, Volume= 12.662 af
Primary = 47.19 cfs @ 12.44 hrs, Volume= 12.662 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-1 : Proposed Drainage Area #1

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-1ON: PDA-1 (onsite)



Hydrograph for Link PDA-1ON: PDA-1 (onsite)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.01	0.00	0.01

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.01	0.00	0.01	13.00	23.98	0.00	23.98
10.45	0.03	0.00	0.03	13.05	22.54	0.00	22.54
10.50	0.04	0.00	0.04	13.10	21.25	0.00	21.25
10.55	0.06	0.00	0.06	13.15	20.13	0.00	20.13
10.60	0.08	0.00	0.08	13.20	19.14	0.00	19.14
10.65	0.11	0.00	0.11	13.25	18.25	0.00	18.25
10.70	0.14	0.00	0.14	13.30	17.45	0.00	17.45
10.75	0.18	0.00	0.18	13.35	16.72	0.00	16.72
10.80	0.23	0.00	0.23	13.40	16.03	0.00	16.03
10.85	0.29	0.00	0.29	13.45	15.41	0.00	15.41
10.90	0.36	0.00	0.36	13.50	14.84	0.00	14.84
10.95	0.44	0.00	0.44	13.55	14.30	0.00	14.30
11.00	0.54	0.00	0.54	13.60	13.79	0.00	13.79
11.05	0.65	0.00	0.65	13.65	13.32	0.00	13.32
11.10	0.77	0.00	0.77	13.70	12.88	0.00	12.88
11.15	0.92	0.00	0.92	13.75	12.47	0.00	12.47
11.20	1.08	0.00	1.08	13.80	12.09	0.00	12.09
11.25	1.25	0.00	1.25	13.85	11.75	0.00	11.75
11.30	1.44	0.00	1.44	13.90	11.44	0.00	11.44
11.35	1.65	0.00	1.65	13.95	11.16	0.00	11.16
11.40	1.88	0.00	1.88	14.00	10.92	0.00	10.92
11.45	2.12	0.00	2.12	14.05	10.70	0.00	10.70
11.50	2.38	0.00	2.38	14.10	10.50	0.00	10.50
11.55	2.67	0.00	2.67	14.15	10.33	0.00	10.33
11.60	3.00	0.00	3.00	14.20	10.17	0.00	10.17
11.65	3.37	0.00	3.37	14.25	10.02	0.00	10.02
11.70	3.79	0.00	3.79	14.30	9.88	0.00	9.88
11.75	4.29	0.00	4.29	14.35	9.74	0.00	9.74
11.80	4.88	0.00	4.88	14.40	9.61	0.00	9.61
11.85	5.59	0.00	5.59	14.45	9.49	0.00	9.49
11.90	6.45	0.00	6.45	14.50	9.36	0.00	9.36
11.95	7.53	0.00	7.53	14.55	9.24	0.00	9.24
12.00	9.13	0.00	9.13	14.60	9.12	0.00	9.12
12.05	14.01	0.00	14.01	14.65	9.00	0.00	9.00
12.10	22.20	0.00	22.20	14.70	8.89	0.00	8.89
12.15	29.65	0.00	29.65	14.75	8.77	0.00	8.77
12.20	34.25	0.00	34.25	14.80	8.65	0.00	8.65
12.25	38.16	0.00	38.16	14.85	8.54	0.00	8.54
12.30	41.95	0.00	41.95	14.90	8.43	0.00	8.43
12.35	45.06	0.00	45.06	14.95	8.31	0.00	8.31
12.40	46.76	0.00	46.76	15.00	8.20	0.00	8.20
12.45	**47.19**	0.00	**47.19**	15.05	8.09	0.00	8.09
12.50	46.51	0.00	46.51	15.10	7.97	0.00	7.97
12.55	44.73	0.00	44.73	15.15	7.86	0.00	7.86
12.60	42.13	0.00	42.13	15.20	7.75	0.00	7.75
12.65	39.22	0.00	39.22	15.25	7.65	0.00	7.65
12.70	36.36	0.00	36.36	15.30	7.55	0.00	7.55
12.75	33.78	0.00	33.78	15.35	7.46	0.00	7.46
12.80	31.45	0.00	31.45	15.40	7.38	0.00	7.38
12.85	29.31	0.00	29.31	15.45	7.30	0.00	7.30
12.90	27.34	0.00	27.34	15.50	7.23	0.00	7.23
12.95	25.57	0.00	25.57	15.55	7.17	0.00	7.17

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.11	0.00	7.11	18.20	5.45	0.00	5.45
15.65	7.06	0.00	7.06	18.25	5.42	0.00	5.42
15.70	7.01	0.00	7.01	18.30	5.39	0.00	5.39
15.75	6.97	0.00	6.97	18.35	5.37	0.00	5.37
15.80	6.92	0.00	6.92	18.40	5.35	0.00	5.35
15.85	6.88	0.00	6.88	18.45	5.32	0.00	5.32
15.90	6.84	0.00	6.84	18.50	5.30	0.00	5.30
15.95	6.80	0.00	6.80	18.55	5.29	0.00	5.29
16.00	6.77	0.00	6.77	18.60	5.27	0.00	5.27
16.05	6.73	0.00	6.73	18.65	5.26	0.00	5.26
16.10	6.69	0.00	6.69	18.70	5.24	0.00	5.24
16.15	6.66	0.00	6.66	18.75	5.23	0.00	5.23
16.20	6.62	0.00	6.62	18.80	5.22	0.00	5.22
16.25	6.59	0.00	6.59	18.85	5.20	0.00	5.20
16.30	6.56	0.00	6.56	18.90	5.19	0.00	5.19
16.35	6.52	0.00	6.52	18.95	5.18	0.00	5.18
16.40	6.49	0.00	6.49	19.00	5.17	0.00	5.17
16.45	6.46	0.00	6.46	19.05	5.16	0.00	5.16
16.50	6.42	0.00	6.42	19.10	5.15	0.00	5.15
16.55	6.39	0.00	6.39	19.15	5.14	0.00	5.14
16.60	6.36	0.00	6.36	19.20	5.13	0.00	5.13
16.65	6.33	0.00	6.33	19.25	5.12	0.00	5.12
16.70	6.29	0.00	6.29	19.30	5.11	0.00	5.11
16.75	6.26	0.00	6.26	19.35	5.10	0.00	5.10
16.80	6.23	0.00	6.23	19.40	5.09	0.00	5.09
16.85	6.20	0.00	6.20	19.45	5.09	0.00	5.09
16.90	6.17	0.00	6.17	19.50	5.08	0.00	5.08
16.95	6.14	0.00	6.14	19.55	5.07	0.00	5.07
17.00	6.11	0.00	6.11	19.60	5.06	0.00	5.06
17.05	6.08	0.00	6.08	19.65	5.05	0.00	5.05
17.10	6.05	0.00	6.05	19.70	5.05	0.00	5.05
17.15	6.03	0.00	6.03	19.75	5.04	0.00	5.04
17.20	6.00	0.00	6.00	19.80	5.03	0.00	5.03
17.25	5.97	0.00	5.97	19.85	5.02	0.00	5.02
17.30	5.95	0.00	5.95	19.90	5.01	0.00	5.01
17.35	5.92	0.00	5.92	19.95	5.01	0.00	5.01
17.40	5.89	0.00	5.89	20.00	5.00	0.00	5.00
17.45	5.86	0.00	5.86	20.05	4.99	0.00	4.99
17.50	5.84	0.00	5.84	20.10	4.98	0.00	4.98
17.55	5.81	0.00	5.81	20.15	4.98	0.00	4.98
17.60	5.78	0.00	5.78	20.20	4.97	0.00	4.97
17.65	5.75	0.00	5.75	20.25	4.96	0.00	4.96
17.70	5.72	0.00	5.72	20.30	4.95	0.00	4.95
17.75	5.69	0.00	5.69	20.35	4.94	0.00	4.94
17.80	5.67	0.00	5.67	20.40	4.94	0.00	4.94
17.85	5.64	0.00	5.64	20.45	4.93	0.00	4.93
17.90	5.61	0.00	5.61	20.50	4.92	0.00	4.92
17.95	5.58	0.00	5.58	20.55	4.91	0.00	4.91
18.00	5.56	0.00	5.56	20.60	4.91	0.00	4.91
18.05	5.53	0.00	5.53	20.65	4.90	0.00	4.90
18.10	5.50	0.00	5.50	20.70	4.89	0.00	4.89
18.15	5.47	0.00	5.47	20.75	4.88	0.00	4.88

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.88	0.00	4.88	23.40	4.51	0.00	4.51
20.85	4.87	0.00	4.87	23.45	4.50	0.00	4.50
20.90	4.86	0.00	4.86	23.50	4.49	0.00	4.49
20.95	4.85	0.00	4.85	23.55	4.49	0.00	4.49
21.00	4.85	0.00	4.85	23.60	4.48	0.00	4.48
21.05	4.84	0.00	4.84	23.65	4.47	0.00	4.47
21.10	4.83	0.00	4.83	23.70	4.47	0.00	4.47
21.15	4.82	0.00	4.82	23.75	4.46	0.00	4.46
21.20	4.81	0.00	4.81	23.80	4.45	0.00	4.45
21.25	4.81	0.00	4.81	23.85	4.44	0.00	4.44
21.30	4.80	0.00	4.80	23.90	4.44	0.00	4.44
21.35	4.79	0.00	4.79	23.95	4.43	0.00	4.43
21.40	4.79	0.00	4.79	24.00	4.43	0.00	4.43
21.45	4.78	0.00	4.78	24.05	4.42	0.00	4.42
21.50	4.77	0.00	4.77	24.10	4.41	0.00	4.41
21.55	4.77	0.00	4.77	24.15	4.39	0.00	4.39
21.60	4.76	0.00	4.76	24.20	4.36	0.00	4.36
21.65	4.75	0.00	4.75	24.25	4.30	0.00	4.30
21.70	4.75	0.00	4.75	24.30	4.21	0.00	4.21
21.75	4.74	0.00	4.74	24.35	4.10	0.00	4.10
21.80	4.73	0.00	4.73	24.40	3.98	0.00	3.98
21.85	4.73	0.00	4.73	24.45	3.86	0.00	3.86
21.90	4.72	0.00	4.72	24.50	3.74	0.00	3.74
21.95	4.71	0.00	4.71	24.55	3.64	0.00	3.64
22.00	4.71	0.00	4.71	24.60	3.55	0.00	3.55
22.05	4.70	0.00	4.70	24.65	3.49	0.00	3.49
22.10	4.69	0.00	4.69	24.70	3.43	0.00	3.43
22.15	4.69	0.00	4.69	24.75	3.39	0.00	3.39
22.20	4.68	0.00	4.68	24.80	3.35	0.00	3.35
22.25	4.67	0.00	4.67	24.85	3.33	0.00	3.33
22.30	4.67	0.00	4.67	24.90	3.30	0.00	3.30
22.35	4.66	0.00	4.66	24.95	3.28	0.00	3.28
22.40	4.65	0.00	4.65	25.00	3.26	0.00	3.26
22.45	4.64	0.00	4.64	25.05	3.25	0.00	3.25
22.50	4.64	0.00	4.64	25.10	3.24	0.00	3.24
22.55	4.63	0.00	4.63	25.15	3.23	0.00	3.23
22.60	4.62	0.00	4.62	25.20	3.22	0.00	3.22
22.65	4.62	0.00	4.62	25.25	3.21	0.00	3.21
22.70	4.61	0.00	4.61	25.30	3.20	0.00	3.20
22.75	4.60	0.00	4.60	25.35	3.20	0.00	3.20
22.80	4.60	0.00	4.60	25.40	3.19	0.00	3.19
22.85	4.59	0.00	4.59	25.45	3.18	0.00	3.18
22.90	4.58	0.00	4.58	25.50	3.18	0.00	3.18
22.95	4.57	0.00	4.57	25.55	3.17	0.00	3.17
23.00	4.57	0.00	4.57	25.60	3.17	0.00	3.17
23.05	4.56	0.00	4.56	25.65	3.16	0.00	3.16
23.10	4.55	0.00	4.55	25.70	3.16	0.00	3.16
23.15	4.55	0.00	4.55	25.75	3.15	0.00	3.15
23.20	4.54	0.00	4.54	25.80	3.15	0.00	3.15
23.25	4.53	0.00	4.53	25.85	3.14	0.00	3.14
23.30	4.52	0.00	4.52	25.90	3.14	0.00	3.14
23.35	4.52	0.00	4.52	25.95	3.13	0.00	3.13

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	3.13	0.00	3.13	28.60	2.89	0.00	2.89
26.05	3.12	0.00	3.12	28.65	2.88	0.00	2.88
26.10	3.12	0.00	3.12	28.70	2.88	0.00	2.88
26.15	3.11	0.00	3.11	28.75	2.87	0.00	2.87
26.20	3.11	0.00	3.11	28.80	2.87	0.00	2.87
26.25	3.10	0.00	3.10	28.85	2.86	0.00	2.86
26.30	3.10	0.00	3.10	28.90	2.86	0.00	2.86
26.35	3.10	0.00	3.10	28.95	2.85	0.00	2.85
26.40	3.09	0.00	3.09	29.00	2.85	0.00	2.85
26.45	3.09	0.00	3.09	29.05	2.84	0.00	2.84
26.50	3.08	0.00	3.08	29.10	2.84	0.00	2.84
26.55	3.08	0.00	3.08	29.15	2.83	0.00	2.83
26.60	3.07	0.00	3.07	29.20	2.83	0.00	2.83
26.65	3.07	0.00	3.07	29.25	2.83	0.00	2.83
26.70	3.06	0.00	3.06	29.30	2.82	0.00	2.82
26.75	3.06	0.00	3.06	29.35	2.82	0.00	2.82
26.80	3.05	0.00	3.05	29.40	2.81	0.00	2.81
26.85	3.05	0.00	3.05	29.45	2.81	0.00	2.81
26.90	3.04	0.00	3.04	29.50	2.80	0.00	2.80
26.95	3.04	0.00	3.04	29.55	2.80	0.00	2.80
27.00	3.04	0.00	3.04	29.60	2.79	0.00	2.79
27.05	3.03	0.00	3.03	29.65	2.79	0.00	2.79
27.10	3.03	0.00	3.03	29.70	2.78	0.00	2.78
27.15	3.02	0.00	3.02	29.75	2.78	0.00	2.78
27.20	3.02	0.00	3.02	29.80	2.77	0.00	2.77
27.25	3.01	0.00	3.01	29.85	2.77	0.00	2.77
27.30	3.01	0.00	3.01	29.90	2.76	0.00	2.76
27.35	3.00	0.00	3.00	29.95	2.76	0.00	2.76
27.40	3.00	0.00	3.00	30.00	2.75	0.00	2.75
27.45	2.99	0.00	2.99	30.05	2.75	0.00	2.75
27.50	2.99	0.00	2.99	30.10	2.75	0.00	2.75
27.55	2.98	0.00	2.98	30.15	2.74	0.00	2.74
27.60	2.98	0.00	2.98	30.20	2.74	0.00	2.74
27.65	2.97	0.00	2.97	30.25	2.73	0.00	2.73
27.70	2.97	0.00	2.97	30.30	2.73	0.00	2.73
27.75	2.97	0.00	2.97	30.35	2.72	0.00	2.72
27.80	2.96	0.00	2.96	30.40	2.72	0.00	2.72
27.85	2.96	0.00	2.96	30.45	2.71	0.00	2.71
27.90	2.95	0.00	2.95	30.50	2.71	0.00	2.71
27.95	2.95	0.00	2.95	30.55	2.70	0.00	2.70
28.00	2.94	0.00	2.94	30.60	2.70	0.00	2.70
28.05	2.94	0.00	2.94	30.65	2.69	0.00	2.69
28.10	2.93	0.00	2.93	30.70	2.69	0.00	2.69
28.15	2.93	0.00	2.93	30.75	2.68	0.00	2.68
28.20	2.92	0.00	2.92	30.80	2.68	0.00	2.68
28.25	2.92	0.00	2.92	30.85	2.67	0.00	2.67
28.30	2.91	0.00	2.91	30.90	2.67	0.00	2.67
28.35	2.91	0.00	2.91	30.95	2.67	0.00	2.67
28.40	2.90	0.00	2.90	31.00	2.66	0.00	2.66
28.45	2.90	0.00	2.90	31.05	2.66	0.00	2.66
28.50	2.90	0.00	2.90	31.10	2.65	0.00	2.65
28.55	2.89	0.00	2.89	31.15	2.65	0.00	2.65

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	2.64	0.00	2.64	33.80	2.40	0.00	2.40
31.25	2.64	0.00	2.64	33.85	2.39	0.00	2.39
31.30	2.63	0.00	2.63	33.90	2.39	0.00	2.39
31.35	2.63	0.00	2.63	33.95	2.38	0.00	2.38
31.40	2.62	0.00	2.62	34.00	2.38	0.00	2.38
31.45	2.62	0.00	2.62	34.05	2.37	0.00	2.37
31.50	2.61	0.00	2.61	34.10	2.37	0.00	2.37
31.55	2.61	0.00	2.61	34.15	2.36	0.00	2.36
31.60	2.60	0.00	2.60	34.20	2.36	0.00	2.36
31.65	2.60	0.00	2.60	34.25	2.35	0.00	2.35
31.70	2.59	0.00	2.59	34.30	2.35	0.00	2.35
31.75	2.59	0.00	2.59	34.35	2.34	0.00	2.34
31.80	2.58	0.00	2.58	34.40	2.34	0.00	2.34
31.85	2.58	0.00	2.58	34.45	2.33	0.00	2.33
31.90	2.58	0.00	2.58	34.50	2.33	0.00	2.33
31.95	2.57	0.00	2.57	34.55	2.32	0.00	2.32
32.00	2.57	0.00	2.57	34.60	2.32	0.00	2.32
32.05	2.56	0.00	2.56	34.65	2.31	0.00	2.31
32.10	2.56	0.00	2.56	34.70	2.31	0.00	2.31
32.15	2.55	0.00	2.55	34.75	2.30	0.00	2.30
32.20	2.55	0.00	2.55	34.80	2.30	0.00	2.30
32.25	2.54	0.00	2.54	34.85	2.30	0.00	2.30
32.30	2.54	0.00	2.54	34.90	2.29	0.00	2.29
32.35	2.53	0.00	2.53	34.95	2.29	0.00	2.29
32.40	2.53	0.00	2.53	35.00	2.28	0.00	2.28
32.45	2.52	0.00	2.52	35.05	2.28	0.00	2.28
32.50	2.52	0.00	2.52	35.10	2.27	0.00	2.27
32.55	2.51	0.00	2.51	35.15	2.27	0.00	2.27
32.60	2.51	0.00	2.51	35.20	2.26	0.00	2.26
32.65	2.50	0.00	2.50	35.25	2.26	0.00	2.26
32.70	2.50	0.00	2.50	35.30	2.25	0.00	2.25
32.75	2.49	0.00	2.49	35.35	2.25	0.00	2.25
32.80	2.49	0.00	2.49	35.40	2.24	0.00	2.24
32.85	2.49	0.00	2.49	35.45	2.24	0.00	2.24
32.90	2.48	0.00	2.48	35.50	2.23	0.00	2.23
32.95	2.48	0.00	2.48	35.55	2.23	0.00	2.23
33.00	2.47	0.00	2.47	35.60	2.22	0.00	2.22
33.05	2.47	0.00	2.47	35.65	2.22	0.00	2.22
33.10	2.46	0.00	2.46	35.70	2.21	0.00	2.21
33.15	2.46	0.00	2.46	35.75	2.21	0.00	2.21
33.20	2.45	0.00	2.45	35.80	2.20	0.00	2.20
33.25	2.45	0.00	2.45	35.85	2.20	0.00	2.20
33.30	2.44	0.00	2.44	35.90	2.19	0.00	2.19
33.35	2.44	0.00	2.44	35.95	2.19	0.00	2.19
33.40	2.43	0.00	2.43	36.00	2.19	0.00	2.19
33.45	2.43	0.00	2.43	36.05	2.18	0.00	2.18
33.50	2.42	0.00	2.42	36.10	2.18	0.00	2.18
33.55	2.42	0.00	2.42	36.15	2.17	0.00	2.17
33.60	2.41	0.00	2.41	36.20	2.17	0.00	2.17
33.65	2.41	0.00	2.41	36.25	2.16	0.00	2.16
33.70	2.40	0.00	2.40	36.30	2.16	0.00	2.16
33.75	2.40	0.00	2.40	36.35	2.15	0.00	2.15

Hydrograph for Link PDA-1ON: PDA-1 (onsite) (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	2.15	0.00	2.15
36.45	2.14	0.00	2.14
36.50	2.14	0.00	2.14
36.55	2.13	0.00	2.13
36.60	2.13	0.00	2.13
36.65	2.12	0.00	2.12
36.70	2.12	0.00	2.12
36.75	2.11	0.00	2.11
36.80	2.11	0.00	2.11
36.85	2.10	0.00	2.10
36.90	2.10	0.00	2.10
36.95	2.09	0.00	2.09
37.00	2.09	0.00	2.09
37.05	2.08	0.00	2.08
37.10	2.08	0.00	2.08
37.15	2.07	0.00	2.07
37.20	2.07	0.00	2.07
37.25	2.07	0.00	2.07
37.30	2.06	0.00	2.06
37.35	2.06	0.00	2.06
37.40	2.05	0.00	2.05
37.45	2.05	0.00	2.05
37.50	2.04	0.00	2.04
37.55	2.04	0.00	2.04
37.60	2.03	0.00	2.03
37.65	2.03	0.00	2.03
37.70	2.02	0.00	2.02
37.75	2.02	0.00	2.02
37.80	2.01	0.00	2.01
37.85	2.01	0.00	2.01
37.90	2.00	0.00	2.00
37.95	2.00	0.00	2.00
38.00	1.99	0.00	1.99
38.05	1.99	0.00	1.99
38.10	1.98	0.00	1.98
38.15	1.98	0.00	1.98
38.20	1.97	0.00	1.97
38.25	1.97	0.00	1.97
38.30	1.96	0.00	1.96
38.35	1.96	0.00	1.96
38.40	1.95	0.00	1.95
38.45	1.95	0.00	1.95
38.50	1.95	0.00	1.95
38.55	1.94	0.00	1.94
38.60	1.94	0.00	1.94
38.65	1.93	0.00	1.93
38.70	1.93	0.00	1.93
38.75	1.92	0.00	1.92
38.80	1.92	0.00	1.92
38.85	1.91	0.00	1.91
38.90	1.91	0.00	1.91
38.95	1.90	0.00	1.90
39.00	1.90	0.00	1.90
39.05	1.89	0.00	1.89
39.10	1.89	0.00	1.89
39.15	1.88	0.00	1.88
39.20	1.88	0.00	1.88
39.25	1.87	0.00	1.87
39.30	1.87	0.00	1.87
39.35	1.86	0.00	1.86
39.40	1.86	0.00	1.86
39.45	1.85	0.00	1.85
39.50	1.85	0.00	1.85
39.55	1.84	0.00	1.84
39.60	1.84	0.00	1.84
39.65	1.83	0.00	1.83
39.70	1.83	0.00	1.83
39.75	1.82	0.00	1.82
39.80	1.82	0.00	1.82
39.85	1.82	0.00	1.82
39.90	1.81	0.00	1.81
39.95	1.81	0.00	1.81
40.00	1.80	0.00	1.80

Summary for Subcatchment 1I: PDA-1 (impervious)

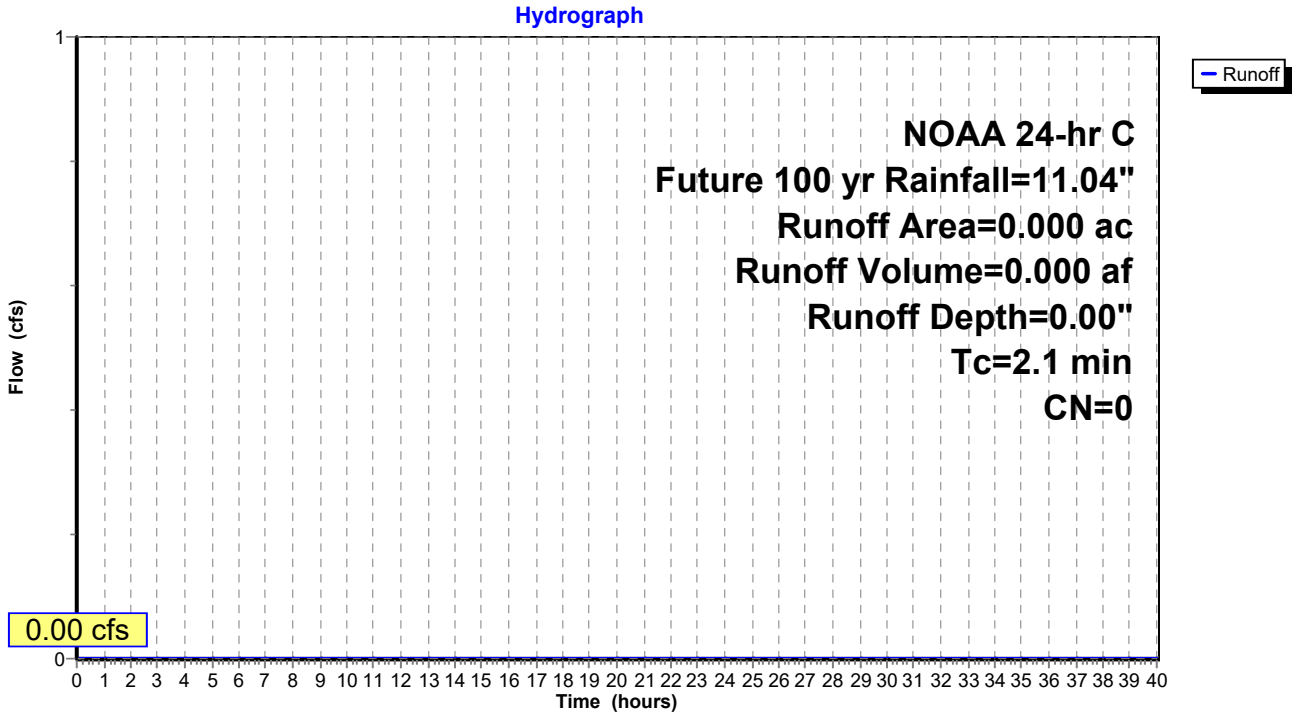
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry, 2.1**

Subcatchment 1I: PDA-1 (impervious)



Hydrograph for Subcatchment 1I: PDA-1 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.00	0.00
5.25	0.74	0.00	0.00	7.85	1.28	0.00	0.00
5.30	0.75	0.00	0.00	7.90	1.30	0.00	0.00
5.35	0.76	0.00	0.00	7.95	1.31	0.00	0.00
5.40	0.77	0.00	0.00	8.00	1.32	0.00	0.00
5.45	0.78	0.00	0.00	8.05	1.34	0.00	0.00
5.50	0.79	0.00	0.00	8.10	1.35	0.00	0.00
5.55	0.80	0.00	0.00	8.15	1.36	0.00	0.00
5.60	0.80	0.00	0.00	8.20	1.38	0.00	0.00
5.65	0.81	0.00	0.00	8.25	1.39	0.00	0.00
5.70	0.82	0.00	0.00	8.30	1.40	0.00	0.00
5.75	0.83	0.00	0.00	8.35	1.42	0.00	0.00
5.80	0.84	0.00	0.00	8.40	1.43	0.00	0.00
5.85	0.85	0.00	0.00	8.45	1.45	0.00	0.00
5.90	0.86	0.00	0.00	8.50	1.46	0.00	0.00
5.95	0.87	0.00	0.00	8.55	1.48	0.00	0.00
6.00	0.87	0.00	0.00	8.60	1.49	0.00	0.00
6.05	0.88	0.00	0.00	8.65	1.51	0.00	0.00
6.10	0.89	0.00	0.00	8.70	1.52	0.00	0.00
6.15	0.90	0.00	0.00	8.75	1.54	0.00	0.00
6.20	0.91	0.00	0.00	8.80	1.55	0.00	0.00
6.25	0.92	0.00	0.00	8.85	1.57	0.00	0.00
6.30	0.93	0.00	0.00	8.90	1.58	0.00	0.00
6.35	0.94	0.00	0.00	8.95	1.60	0.00	0.00
6.40	0.95	0.00	0.00	9.00	1.61	0.00	0.00
6.45	0.96	0.00	0.00	9.05	1.63	0.00	0.00
6.50	0.97	0.00	0.00	9.10	1.64	0.00	0.00
6.55	0.98	0.00	0.00	9.15	1.66	0.00	0.00
6.60	0.99	0.00	0.00	9.20	1.68	0.00	0.00
6.65	1.00	0.00	0.00	9.25	1.70	0.00	0.00
6.70	1.01	0.00	0.00	9.30	1.72	0.00	0.00
6.75	1.02	0.00	0.00	9.35	1.73	0.00	0.00
6.80	1.03	0.00	0.00	9.40	1.75	0.00	0.00
6.85	1.04	0.00	0.00	9.45	1.77	0.00	0.00
6.90	1.05	0.00	0.00	9.50	1.79	0.00	0.00
6.95	1.07	0.00	0.00	9.55	1.81	0.00	0.00
7.00	1.08	0.00	0.00	9.60	1.83	0.00	0.00
7.05	1.09	0.00	0.00	9.65	1.85	0.00	0.00
7.10	1.10	0.00	0.00	9.70	1.88	0.00	0.00
7.15	1.11	0.00	0.00	9.75	1.90	0.00	0.00
7.20	1.12	0.00	0.00	9.80	1.92	0.00	0.00
7.25	1.13	0.00	0.00	9.85	1.94	0.00	0.00
7.30	1.15	0.00	0.00	9.90	1.97	0.00	0.00
7.35	1.16	0.00	0.00	9.95	1.99	0.00	0.00
7.40	1.17	0.00	0.00	10.00	2.01	0.00	0.00
7.45	1.18	0.00	0.00	10.05	2.04	0.00	0.00
7.50	1.19	0.00	0.00	10.10	2.06	0.00	0.00
7.55	1.21	0.00	0.00	10.15	2.09	0.00	0.00
7.60	1.22	0.00	0.00	10.20	2.11	0.00	0.00
7.65	1.23	0.00	0.00	10.25	2.14	0.00	0.00
7.70	1.24	0.00	0.00	10.30	2.17	0.00	0.00
7.75	1.26	0.00	0.00	10.35	2.19	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.00	0.00	13.00	8.39	0.00	0.00
10.45	2.25	0.00	0.00	13.05	8.43	0.00	0.00
10.50	2.28	0.00	0.00	13.10	8.48	0.00	0.00
10.55	2.31	0.00	0.00	13.15	8.52	0.00	0.00
10.60	2.34	0.00	0.00	13.20	8.56	0.00	0.00
10.65	2.37	0.00	0.00	13.25	8.60	0.00	0.00
10.70	2.41	0.00	0.00	13.30	8.63	0.00	0.00
10.75	2.44	0.00	0.00	13.35	8.67	0.00	0.00
10.80	2.48	0.00	0.00	13.40	8.70	0.00	0.00
10.85	2.52	0.00	0.00	13.45	8.73	0.00	0.00
10.90	2.56	0.00	0.00	13.50	8.76	0.00	0.00
10.95	2.61	0.00	0.00	13.55	8.79	0.00	0.00
11.00	2.65	0.00	0.00	13.60	8.82	0.00	0.00
11.05	2.70	0.00	0.00	13.65	8.85	0.00	0.00
11.10	2.75	0.00	0.00	13.70	8.87	0.00	0.00
11.15	2.80	0.00	0.00	13.75	8.90	0.00	0.00
11.20	2.86	0.00	0.00	13.80	8.93	0.00	0.00
11.25	2.92	0.00	0.00	13.85	8.95	0.00	0.00
11.30	2.98	0.00	0.00	13.90	8.98	0.00	0.00
11.35	3.05	0.00	0.00	13.95	9.00	0.00	0.00
11.40	3.12	0.00	0.00	14.00	9.03	0.00	0.00
11.45	3.19	0.00	0.00	14.05	9.05	0.00	0.00
11.50	3.26	0.00	0.00	14.10	9.07	0.00	0.00
11.55	3.37	0.00	0.00	14.15	9.10	0.00	0.00
11.60	3.49	0.00	0.00	14.20	9.12	0.00	0.00
11.65	3.60	0.00	0.00	14.25	9.14	0.00	0.00
11.70	3.72	0.00	0.00	14.30	9.16	0.00	0.00
11.75	3.88	0.00	0.00	14.35	9.19	0.00	0.00
11.80	4.04	0.00	0.00	14.40	9.21	0.00	0.00
11.85	4.27	0.00	0.00	14.45	9.23	0.00	0.00
11.90	4.49	0.00	0.00	14.50	9.25	0.00	0.00
11.95	4.88	0.00	0.00	14.55	9.27	0.00	0.00
12.00	5.26	0.00	0.00	14.60	9.29	0.00	0.00
12.05	5.91	0.00	0.00	14.65	9.31	0.00	0.00
12.10	6.55	0.00	0.00	14.70	9.32	0.00	0.00
12.15	6.77	0.00	0.00	14.75	9.34	0.00	0.00
12.20	7.00	0.00	0.00	14.80	9.36	0.00	0.00
12.25	7.16	0.00	0.00	14.85	9.38	0.00	0.00
12.30	7.32	0.00	0.00	14.90	9.40	0.00	0.00
12.35	7.44	0.00	0.00	14.95	9.41	0.00	0.00
12.40	7.55	0.00	0.00	15.00	9.43	0.00	0.00
12.45	7.67	0.00	0.00	15.05	9.44	0.00	0.00
12.50	7.78	0.00	0.00	15.10	9.46	0.00	0.00
12.55	7.85	0.00	0.00	15.15	9.47	0.00	0.00
12.60	7.92	0.00	0.00	15.20	9.49	0.00	0.00
12.65	7.99	0.00	0.00	15.25	9.50	0.00	0.00
12.70	8.06	0.00	0.00	15.30	9.52	0.00	0.00
12.75	8.12	0.00	0.00	15.35	9.53	0.00	0.00
12.80	8.18	0.00	0.00	15.40	9.55	0.00	0.00
12.85	8.24	0.00	0.00	15.45	9.56	0.00	0.00
12.90	8.29	0.00	0.00	15.50	9.58	0.00	0.00
12.95	8.34	0.00	0.00	15.55	9.59	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	0.00	0.00	18.20	10.20	0.00	0.00
15.65	9.62	0.00	0.00	18.25	10.21	0.00	0.00
15.70	9.64	0.00	0.00	18.30	10.22	0.00	0.00
15.75	9.65	0.00	0.00	18.35	10.23	0.00	0.00
15.80	9.66	0.00	0.00	18.40	10.24	0.00	0.00
15.85	9.68	0.00	0.00	18.45	10.24	0.00	0.00
15.90	9.69	0.00	0.00	18.50	10.25	0.00	0.00
15.95	9.70	0.00	0.00	18.55	10.26	0.00	0.00
16.00	9.72	0.00	0.00	18.60	10.27	0.00	0.00
16.05	9.73	0.00	0.00	18.65	10.28	0.00	0.00
16.10	9.74	0.00	0.00	18.70	10.29	0.00	0.00
16.15	9.76	0.00	0.00	18.75	10.30	0.00	0.00
16.20	9.77	0.00	0.00	18.80	10.30	0.00	0.00
16.25	9.78	0.00	0.00	18.85	10.31	0.00	0.00
16.30	9.80	0.00	0.00	18.90	10.32	0.00	0.00
16.35	9.81	0.00	0.00	18.95	10.33	0.00	0.00
16.40	9.82	0.00	0.00	19.00	10.34	0.00	0.00
16.45	9.83	0.00	0.00	19.05	10.35	0.00	0.00
16.50	9.85	0.00	0.00	19.10	10.35	0.00	0.00
16.55	9.86	0.00	0.00	19.15	10.36	0.00	0.00
16.60	9.87	0.00	0.00	19.20	10.37	0.00	0.00
16.65	9.88	0.00	0.00	19.25	10.38	0.00	0.00
16.70	9.89	0.00	0.00	19.30	10.39	0.00	0.00
16.75	9.91	0.00	0.00	19.35	10.40	0.00	0.00
16.80	9.92	0.00	0.00	19.40	10.40	0.00	0.00
16.85	9.93	0.00	0.00	19.45	10.41	0.00	0.00
16.90	9.94	0.00	0.00	19.50	10.42	0.00	0.00
16.95	9.95	0.00	0.00	19.55	10.43	0.00	0.00
17.00	9.96	0.00	0.00	19.60	10.44	0.00	0.00
17.05	9.97	0.00	0.00	19.65	10.44	0.00	0.00
17.10	9.99	0.00	0.00	19.70	10.45	0.00	0.00
17.15	10.00	0.00	0.00	19.75	10.46	0.00	0.00
17.20	10.01	0.00	0.00	19.80	10.47	0.00	0.00
17.25	10.02	0.00	0.00	19.85	10.48	0.00	0.00
17.30	10.03	0.00	0.00	19.90	10.48	0.00	0.00
17.35	10.04	0.00	0.00	19.95	10.49	0.00	0.00
17.40	10.05	0.00	0.00	20.00	10.50	0.00	0.00
17.45	10.06	0.00	0.00	20.05	10.51	0.00	0.00
17.50	10.07	0.00	0.00	20.10	10.52	0.00	0.00
17.55	10.08	0.00	0.00	20.15	10.52	0.00	0.00
17.60	10.09	0.00	0.00	20.20	10.53	0.00	0.00
17.65	10.10	0.00	0.00	20.25	10.54	0.00	0.00
17.70	10.11	0.00	0.00	20.30	10.55	0.00	0.00
17.75	10.12	0.00	0.00	20.35	10.55	0.00	0.00
17.80	10.13	0.00	0.00	20.40	10.56	0.00	0.00
17.85	10.14	0.00	0.00	20.45	10.57	0.00	0.00
17.90	10.15	0.00	0.00	20.50	10.58	0.00	0.00
17.95	10.16	0.00	0.00	20.55	10.58	0.00	0.00
18.00	10.17	0.00	0.00	20.60	10.59	0.00	0.00
18.05	10.17	0.00	0.00	20.65	10.60	0.00	0.00
18.10	10.18	0.00	0.00	20.70	10.61	0.00	0.00
18.15	10.19	0.00	0.00	20.75	10.61	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	0.00	0.00	23.40	10.97	0.00	0.00
20.85	10.63	0.00	0.00	23.45	10.97	0.00	0.00
20.90	10.64	0.00	0.00	23.50	10.98	0.00	0.00
20.95	10.64	0.00	0.00	23.55	10.99	0.00	0.00
21.00	10.65	0.00	0.00	23.60	10.99	0.00	0.00
21.05	10.66	0.00	0.00	23.65	11.00	0.00	0.00
21.10	10.66	0.00	0.00	23.70	11.00	0.00	0.00
21.15	10.67	0.00	0.00	23.75	11.01	0.00	0.00
21.20	10.68	0.00	0.00	23.80	11.01	0.00	0.00
21.25	10.69	0.00	0.00	23.85	11.02	0.00	0.00
21.30	10.69	0.00	0.00	23.90	11.03	0.00	0.00
21.35	10.70	0.00	0.00	23.95	11.03	0.00	0.00
21.40	10.71	0.00	0.00	24.00	**11.04**	0.00	0.00
21.45	10.71	0.00	0.00	24.05	11.04	0.00	0.00
21.50	10.72	0.00	0.00	24.10	11.04	0.00	0.00
21.55	10.73	0.00	0.00	24.15	11.04	0.00	0.00
21.60	10.74	0.00	0.00	24.20	11.04	0.00	0.00
21.65	10.74	0.00	0.00	24.25	11.04	0.00	0.00
21.70	10.75	0.00	0.00	24.30	11.04	0.00	0.00
21.75	10.76	0.00	0.00	24.35	11.04	0.00	0.00
21.80	10.76	0.00	0.00	24.40	11.04	0.00	0.00
21.85	10.77	0.00	0.00	24.45	11.04	0.00	0.00
21.90	10.78	0.00	0.00	24.50	11.04	0.00	0.00
21.95	10.78	0.00	0.00	24.55	11.04	0.00	0.00
22.00	10.79	0.00	0.00	24.60	11.04	0.00	0.00
22.05	10.80	0.00	0.00	24.65	11.04	0.00	0.00
22.10	10.80	0.00	0.00	24.70	11.04	0.00	0.00
22.15	10.81	0.00	0.00	24.75	11.04	0.00	0.00
22.20	10.82	0.00	0.00	24.80	11.04	0.00	0.00
22.25	10.82	0.00	0.00	24.85	11.04	0.00	0.00
22.30	10.83	0.00	0.00	24.90	11.04	0.00	0.00
22.35	10.84	0.00	0.00	24.95	11.04	0.00	0.00
22.40	10.84	0.00	0.00	25.00	11.04	0.00	0.00
22.45	10.85	0.00	0.00	25.05	11.04	0.00	0.00
22.50	10.86	0.00	0.00	25.10	11.04	0.00	0.00
22.55	10.86	0.00	0.00	25.15	11.04	0.00	0.00
22.60	10.87	0.00	0.00	25.20	11.04	0.00	0.00
22.65	10.88	0.00	0.00	25.25	11.04	0.00	0.00
22.70	10.88	0.00	0.00	25.30	11.04	0.00	0.00
22.75	10.89	0.00	0.00	25.35	11.04	0.00	0.00
22.80	10.89	0.00	0.00	25.40	11.04	0.00	0.00
22.85	10.90	0.00	0.00	25.45	11.04	0.00	0.00
22.90	10.91	0.00	0.00	25.50	11.04	0.00	0.00
22.95	10.91	0.00	0.00	25.55	11.04	0.00	0.00
23.00	10.92	0.00	0.00	25.60	11.04	0.00	0.00
23.05	10.93	0.00	0.00	25.65	11.04	0.00	0.00
23.10	10.93	0.00	0.00	25.70	11.04	0.00	0.00
23.15	10.94	0.00	0.00	25.75	11.04	0.00	0.00
23.20	10.94	0.00	0.00	25.80	11.04	0.00	0.00
23.25	10.95	0.00	0.00	25.85	11.04	0.00	0.00
23.30	10.96	0.00	0.00	25.90	11.04	0.00	0.00
23.35	10.96	0.00	0.00	25.95	11.04	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	0.00	0.00	28.60	11.04	0.00	0.00
26.05	11.04	0.00	0.00	28.65	11.04	0.00	0.00
26.10	11.04	0.00	0.00	28.70	11.04	0.00	0.00
26.15	11.04	0.00	0.00	28.75	11.04	0.00	0.00
26.20	11.04	0.00	0.00	28.80	11.04	0.00	0.00
26.25	11.04	0.00	0.00	28.85	11.04	0.00	0.00
26.30	11.04	0.00	0.00	28.90	11.04	0.00	0.00
26.35	11.04	0.00	0.00	28.95	11.04	0.00	0.00
26.40	11.04	0.00	0.00	29.00	11.04	0.00	0.00
26.45	11.04	0.00	0.00	29.05	11.04	0.00	0.00
26.50	11.04	0.00	0.00	29.10	11.04	0.00	0.00
26.55	11.04	0.00	0.00	29.15	11.04	0.00	0.00
26.60	11.04	0.00	0.00	29.20	11.04	0.00	0.00
26.65	11.04	0.00	0.00	29.25	11.04	0.00	0.00
26.70	11.04	0.00	0.00	29.30	11.04	0.00	0.00
26.75	11.04	0.00	0.00	29.35	11.04	0.00	0.00
26.80	11.04	0.00	0.00	29.40	11.04	0.00	0.00
26.85	11.04	0.00	0.00	29.45	11.04	0.00	0.00
26.90	11.04	0.00	0.00	29.50	11.04	0.00	0.00
26.95	11.04	0.00	0.00	29.55	11.04	0.00	0.00
27.00	11.04	0.00	0.00	29.60	11.04	0.00	0.00
27.05	11.04	0.00	0.00	29.65	11.04	0.00	0.00
27.10	11.04	0.00	0.00	29.70	11.04	0.00	0.00
27.15	11.04	0.00	0.00	29.75	11.04	0.00	0.00
27.20	11.04	0.00	0.00	29.80	11.04	0.00	0.00
27.25	11.04	0.00	0.00	29.85	11.04	0.00	0.00
27.30	11.04	0.00	0.00	29.90	11.04	0.00	0.00
27.35	11.04	0.00	0.00	29.95	11.04	0.00	0.00
27.40	11.04	0.00	0.00	30.00	11.04	0.00	0.00
27.45	11.04	0.00	0.00	30.05	11.04	0.00	0.00
27.50	11.04	0.00	0.00	30.10	11.04	0.00	0.00
27.55	11.04	0.00	0.00	30.15	11.04	0.00	0.00
27.60	11.04	0.00	0.00	30.20	11.04	0.00	0.00
27.65	11.04	0.00	0.00	30.25	11.04	0.00	0.00
27.70	11.04	0.00	0.00	30.30	11.04	0.00	0.00
27.75	11.04	0.00	0.00	30.35	11.04	0.00	0.00
27.80	11.04	0.00	0.00	30.40	11.04	0.00	0.00
27.85	11.04	0.00	0.00	30.45	11.04	0.00	0.00
27.90	11.04	0.00	0.00	30.50	11.04	0.00	0.00
27.95	11.04	0.00	0.00	30.55	11.04	0.00	0.00
28.00	11.04	0.00	0.00	30.60	11.04	0.00	0.00
28.05	11.04	0.00	0.00	30.65	11.04	0.00	0.00
28.10	11.04	0.00	0.00	30.70	11.04	0.00	0.00
28.15	11.04	0.00	0.00	30.75	11.04	0.00	0.00
28.20	11.04	0.00	0.00	30.80	11.04	0.00	0.00
28.25	11.04	0.00	0.00	30.85	11.04	0.00	0.00
28.30	11.04	0.00	0.00	30.90	11.04	0.00	0.00
28.35	11.04	0.00	0.00	30.95	11.04	0.00	0.00
28.40	11.04	0.00	0.00	31.00	11.04	0.00	0.00
28.45	11.04	0.00	0.00	31.05	11.04	0.00	0.00
28.50	11.04	0.00	0.00	31.10	11.04	0.00	0.00
28.55	11.04	0.00	0.00	31.15	11.04	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	0.00	0.00	33.80	11.04	0.00	0.00
31.25	11.04	0.00	0.00	33.85	11.04	0.00	0.00
31.30	11.04	0.00	0.00	33.90	11.04	0.00	0.00
31.35	11.04	0.00	0.00	33.95	11.04	0.00	0.00
31.40	11.04	0.00	0.00	34.00	11.04	0.00	0.00
31.45	11.04	0.00	0.00	34.05	11.04	0.00	0.00
31.50	11.04	0.00	0.00	34.10	11.04	0.00	0.00
31.55	11.04	0.00	0.00	34.15	11.04	0.00	0.00
31.60	11.04	0.00	0.00	34.20	11.04	0.00	0.00
31.65	11.04	0.00	0.00	34.25	11.04	0.00	0.00
31.70	11.04	0.00	0.00	34.30	11.04	0.00	0.00
31.75	11.04	0.00	0.00	34.35	11.04	0.00	0.00
31.80	11.04	0.00	0.00	34.40	11.04	0.00	0.00
31.85	11.04	0.00	0.00	34.45	11.04	0.00	0.00
31.90	11.04	0.00	0.00	34.50	11.04	0.00	0.00
31.95	11.04	0.00	0.00	34.55	11.04	0.00	0.00
32.00	11.04	0.00	0.00	34.60	11.04	0.00	0.00
32.05	11.04	0.00	0.00	34.65	11.04	0.00	0.00
32.10	11.04	0.00	0.00	34.70	11.04	0.00	0.00
32.15	11.04	0.00	0.00	34.75	11.04	0.00	0.00
32.20	11.04	0.00	0.00	34.80	11.04	0.00	0.00
32.25	11.04	0.00	0.00	34.85	11.04	0.00	0.00
32.30	11.04	0.00	0.00	34.90	11.04	0.00	0.00
32.35	11.04	0.00	0.00	34.95	11.04	0.00	0.00
32.40	11.04	0.00	0.00	35.00	11.04	0.00	0.00
32.45	11.04	0.00	0.00	35.05	11.04	0.00	0.00
32.50	11.04	0.00	0.00	35.10	11.04	0.00	0.00
32.55	11.04	0.00	0.00	35.15	11.04	0.00	0.00
32.60	11.04	0.00	0.00	35.20	11.04	0.00	0.00
32.65	11.04	0.00	0.00	35.25	11.04	0.00	0.00
32.70	11.04	0.00	0.00	35.30	11.04	0.00	0.00
32.75	11.04	0.00	0.00	35.35	11.04	0.00	0.00
32.80	11.04	0.00	0.00	35.40	11.04	0.00	0.00
32.85	11.04	0.00	0.00	35.45	11.04	0.00	0.00
32.90	11.04	0.00	0.00	35.50	11.04	0.00	0.00
32.95	11.04	0.00	0.00	35.55	11.04	0.00	0.00
33.00	11.04	0.00	0.00	35.60	11.04	0.00	0.00
33.05	11.04	0.00	0.00	35.65	11.04	0.00	0.00
33.10	11.04	0.00	0.00	35.70	11.04	0.00	0.00
33.15	11.04	0.00	0.00	35.75	11.04	0.00	0.00
33.20	11.04	0.00	0.00	35.80	11.04	0.00	0.00
33.25	11.04	0.00	0.00	35.85	11.04	0.00	0.00
33.30	11.04	0.00	0.00	35.90	11.04	0.00	0.00
33.35	11.04	0.00	0.00	35.95	11.04	0.00	0.00
33.40	11.04	0.00	0.00	36.00	11.04	0.00	0.00
33.45	11.04	0.00	0.00	36.05	11.04	0.00	0.00
33.50	11.04	0.00	0.00	36.10	11.04	0.00	0.00
33.55	11.04	0.00	0.00	36.15	11.04	0.00	0.00
33.60	11.04	0.00	0.00	36.20	11.04	0.00	0.00
33.65	11.04	0.00	0.00	36.25	11.04	0.00	0.00
33.70	11.04	0.00	0.00	36.30	11.04	0.00	0.00
33.75	11.04	0.00	0.00	36.35	11.04	0.00	0.00

Hydrograph for Subcatchment 1I: PDA-1 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	0.00	0.00
36.45	11.04	0.00	0.00
36.50	11.04	0.00	0.00
36.55	11.04	0.00	0.00
36.60	11.04	0.00	0.00
36.65	11.04	0.00	0.00
36.70	11.04	0.00	0.00
36.75	11.04	0.00	0.00
36.80	11.04	0.00	0.00
36.85	11.04	0.00	0.00
36.90	11.04	0.00	0.00
36.95	11.04	0.00	0.00
37.00	11.04	0.00	0.00
37.05	11.04	0.00	0.00
37.10	11.04	0.00	0.00
37.15	11.04	0.00	0.00
37.20	11.04	0.00	0.00
37.25	11.04	0.00	0.00
37.30	11.04	0.00	0.00
37.35	11.04	0.00	0.00
37.40	11.04	0.00	0.00
37.45	11.04	0.00	0.00
37.50	11.04	0.00	0.00
37.55	11.04	0.00	0.00
37.60	11.04	0.00	0.00
37.65	11.04	0.00	0.00
37.70	11.04	0.00	0.00
37.75	11.04	0.00	0.00
37.80	11.04	0.00	0.00
37.85	11.04	0.00	0.00
37.90	11.04	0.00	0.00
37.95	11.04	0.00	0.00
38.00	11.04	0.00	0.00
38.05	11.04	0.00	0.00
38.10	11.04	0.00	0.00
38.15	11.04	0.00	0.00
38.20	11.04	0.00	0.00
38.25	11.04	0.00	0.00
38.30	11.04	0.00	0.00
38.35	11.04	0.00	0.00
38.40	11.04	0.00	0.00
38.45	11.04	0.00	0.00
38.50	11.04	0.00	0.00
38.55	11.04	0.00	0.00
38.60	11.04	0.00	0.00
38.65	11.04	0.00	0.00
38.70	11.04	0.00	0.00
38.75	11.04	0.00	0.00
38.80	11.04	0.00	0.00
38.85	11.04	0.00	0.00
38.90	11.04	0.00	0.00
38.95	11.04	0.00	0.00
39.00	11.04	0.00	0.00
39.05	11.04	0.00	0.00
39.10	11.04	0.00	0.00
39.15	11.04	0.00	0.00
39.20	11.04	0.00	0.00
39.25	11.04	0.00	0.00
39.30	11.04	0.00	0.00
39.35	11.04	0.00	0.00
39.40	11.04	0.00	0.00
39.45	11.04	0.00	0.00
39.50	11.04	0.00	0.00
39.55	11.04	0.00	0.00
39.60	11.04	0.00	0.00
39.65	11.04	0.00	0.00
39.70	11.04	0.00	0.00
39.75	11.04	0.00	0.00
39.80	11.04	0.00	0.00
39.85	11.04	0.00	0.00
39.90	11.04	0.00	0.00
39.95	11.04	0.00	0.00
40.00	11.04	0.00	0.00

Summary for Subcatchment 1P: PDA-1 (pervious)

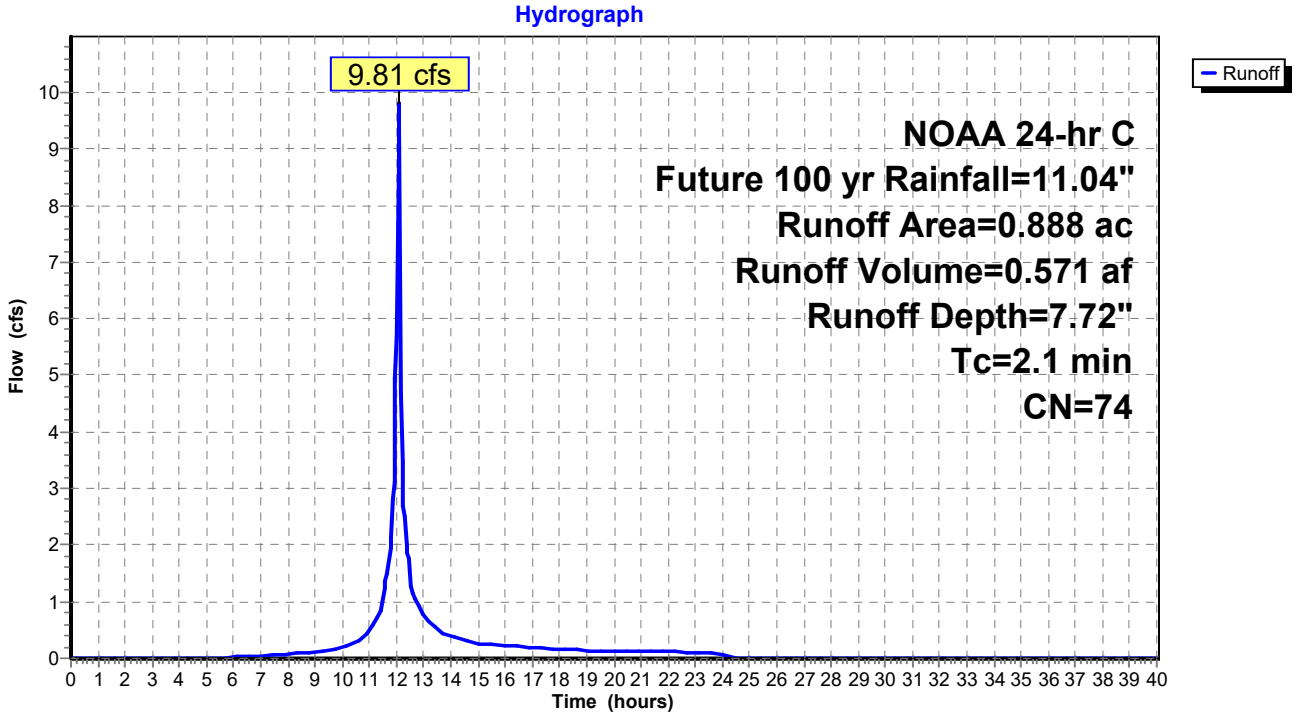
Runoff = 9.81 cfs @ 12.08 hrs, Volume= 0.571 af, Depth= 7.72"
Routed to Pond B-1 : Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.888	74	>75% Grass cover, Good, HSG C
0.888		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.1					**Direct Entry,**

Subcatchment 1P: PDA-1 (pervious)



Hydrograph for Subcatchment 1P: PDA-1 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.06
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.06
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.06
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.06
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.07
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.07
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.07
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.07
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.07
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.07
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.08
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.08
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.08
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.08
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.08
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.08
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.09
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.09
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.09
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.09
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.09
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.10
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.10
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.10
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.10
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.11
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.11
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.12
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.12
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.12
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.13
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.13
6.80	1.03	0.03	0.03	9.40	1.75	0.24	0.14
6.85	1.04	0.03	0.03	9.45	1.77	0.25	0.14
6.90	1.05	0.03	0.03	9.50	1.79	0.26	0.15
6.95	1.07	0.03	0.03	9.55	1.81	0.27	0.15
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.16
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.16
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.17
7.15	1.11	0.04	0.04	9.75	1.90	0.30	0.17
7.20	1.12	0.04	0.04	9.80	1.92	0.31	0.18
7.25	1.13	0.05	0.04	9.85	1.94	0.32	0.18
7.30	1.15	0.05	0.04	9.90	1.97	0.33	0.19
7.35	1.16	0.05	0.05	9.95	1.99	0.34	0.19
7.40	1.17	0.05	0.05	10.00	2.01	0.36	0.20
7.45	1.18	0.06	0.05	10.05	2.04	0.37	0.21
7.50	1.19	0.06	0.05	10.10	2.06	0.38	0.21
7.55	1.21	0.06	0.05	10.15	2.09	0.39	0.22
7.60	1.22	0.07	0.05	10.20	2.11	0.40	0.22
7.65	1.23	0.07	0.05	10.25	2.14	0.42	0.23
7.70	1.24	0.07	0.06	10.30	2.17	0.43	0.23
7.75	1.26	0.08	0.06	10.35	2.19	0.44	0.24

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.25	13.00	8.39	5.28	0.80
10.45	2.25	0.47	0.26	13.05	8.43	5.32	0.73
10.50	2.28	0.49	0.26	13.10	8.48	5.36	0.71
10.55	2.31	0.50	0.29	13.15	8.52	5.39	0.67
10.60	2.34	0.52	0.30	13.20	8.56	5.43	0.65
10.65	2.37	0.54	0.32	13.25	8.60	5.46	0.62
10.70	2.41	0.56	0.33	13.30	8.63	5.50	0.60
10.75	2.44	0.58	0.36	13.35	8.67	5.53	0.57
10.80	2.48	0.60	0.37	13.40	8.70	5.56	0.55
10.85	2.52	0.62	0.40	13.45	8.73	5.59	0.51
10.90	2.56	0.64	0.41	13.50	8.76	5.61	0.50
10.95	2.61	0.67	0.44	13.55	8.79	5.64	0.46
11.00	2.65	0.69	0.46	13.60	8.82	5.67	0.45
11.05	2.70	0.72	0.51	13.65	8.85	5.69	0.44
11.10	2.75	0.75	0.53	13.70	8.87	5.71	0.44
11.15	2.80	0.79	0.59	13.75	8.90	5.74	0.43
11.20	2.86	0.82	0.61	13.80	8.93	5.76	0.43
11.25	2.92	0.86	0.67	13.85	8.95	5.79	0.42
11.30	2.98	0.90	0.69	13.90	8.98	5.81	0.41
11.35	3.05	0.94	0.76	13.95	9.00	5.83	0.40
11.40	3.12	0.98	0.78	14.00	9.03	5.85	0.40
11.45	3.19	1.03	0.83	14.05	9.05	5.88	0.39
11.50	3.26	1.08	0.87	14.10	9.07	5.90	0.39
11.55	3.37	1.15	1.25	14.15	9.10	5.92	0.38
11.60	3.49	1.23	1.36	14.20	9.12	5.94	0.37
11.65	3.60	1.31	1.44	14.25	9.14	5.96	0.36
11.70	3.72	1.39	1.51	14.30	9.16	5.98	0.36
11.75	3.88	1.51	1.96	14.35	9.19	6.00	0.35
11.80	4.04	1.63	2.14	14.40	9.21	6.02	0.35
11.85	4.27	1.79	2.82	14.45	9.23	6.04	0.34
11.90	4.49	1.96	3.14	14.50	9.25	6.06	0.33
11.95	4.88	2.27	4.95	14.55	9.27	6.07	0.32
12.00	5.26	2.57	5.68	14.60	9.29	6.09	0.32
12.05	5.91	3.11	8.75	14.65	9.31	6.11	0.31
12.10	6.55	3.65	**9.43**	14.70	9.32	6.13	0.31
12.15	6.77	3.85	4.68	14.75	9.34	6.14	0.30
12.20	7.00	4.04	3.46	14.80	9.36	6.16	0.29
12.25	7.16	4.18	2.71	14.85	9.38	6.17	0.28
12.30	7.32	4.32	2.50	14.90	9.40	6.19	0.28
12.35	7.44	4.43	1.98	14.95	9.41	6.21	0.27
12.40	7.55	4.53	1.86	15.00	9.43	6.22	0.27
12.45	7.67	4.63	1.79	15.05	9.44	6.23	0.26
12.50	7.78	4.73	1.75	15.10	9.46	6.25	0.25
12.55	7.85	4.79	1.27	15.15	9.47	6.26	0.25
12.60	7.92	4.86	1.15	15.20	9.49	6.28	0.25
12.65	7.99	4.92	1.09	15.25	9.50	6.29	0.25
12.70	8.06	4.98	1.08	15.30	9.52	6.30	0.25
12.75	8.12	5.03	1.01	15.35	9.53	6.32	0.24
12.80	8.18	5.09	0.98	15.40	9.55	6.33	0.24
12.85	8.24	5.14	0.91	15.45	9.56	6.34	0.24
12.90	8.29	5.19	0.89	15.50	9.58	6.36	0.24
12.95	8.34	5.23	0.82	15.55	9.59	6.37	0.24

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.24	18.20	10.20	6.93	0.15
15.65	9.62	6.40	0.23	18.25	10.21	6.94	0.15
15.70	9.64	6.41	0.23	18.30	10.22	6.95	0.15
15.75	9.65	6.42	0.23	18.35	10.23	6.96	0.15
15.80	9.66	6.44	0.23	18.40	10.24	6.97	0.14
15.85	9.68	6.45	0.23	18.45	10.24	6.97	0.14
15.90	9.69	6.46	0.23	18.50	10.25	6.98	0.14
15.95	9.70	6.47	0.22	18.55	10.26	6.99	0.14
16.00	9.72	6.49	0.22	18.60	10.27	7.00	0.14
16.05	9.73	6.50	0.22	18.65	10.28	7.01	0.14
16.10	9.74	6.51	0.22	18.70	10.29	7.01	0.14
16.15	9.76	6.52	0.22	18.75	10.30	7.02	0.14
16.20	9.77	6.54	0.22	18.80	10.30	7.03	0.14
16.25	9.78	6.55	0.21	18.85	10.31	7.04	0.14
16.30	9.80	6.56	0.21	18.90	10.32	7.04	0.14
16.35	9.81	6.57	0.21	18.95	10.33	7.05	0.14
16.40	9.82	6.58	0.21	19.00	10.34	7.06	0.14
16.45	9.83	6.59	0.21	19.05	10.35	7.07	0.14
16.50	9.85	6.60	0.20	19.10	10.35	7.08	0.14
16.55	9.86	6.62	0.20	19.15	10.36	7.08	0.14
16.60	9.87	6.63	0.20	19.20	10.37	7.09	0.14
16.65	9.88	6.64	0.20	19.25	10.38	7.10	0.14
16.70	9.89	6.65	0.20	19.30	10.39	7.11	0.14
16.75	9.91	6.66	0.19	19.35	10.40	7.11	0.14
16.80	9.92	6.67	0.19	19.40	10.40	7.12	0.14
16.85	9.93	6.68	0.19	19.45	10.41	7.13	0.14
16.90	9.94	6.69	0.19	19.50	10.42	7.14	0.14
16.95	9.95	6.70	0.19	19.55	10.43	7.14	0.13
17.00	9.96	6.71	0.19	19.60	10.44	7.15	0.13
17.05	9.97	6.72	0.18	19.65	10.44	7.16	0.13
17.10	9.99	6.73	0.18	19.70	10.45	7.17	0.13
17.15	10.00	6.74	0.18	19.75	10.46	7.17	0.13
17.20	10.01	6.75	0.18	19.80	10.47	7.18	0.13
17.25	10.02	6.76	0.18	19.85	10.48	7.19	0.13
17.30	10.03	6.77	0.18	19.90	10.48	7.20	0.13
17.35	10.04	6.78	0.17	19.95	10.49	7.20	0.13
17.40	10.05	6.79	0.17	20.00	10.50	7.21	0.13
17.45	10.06	6.80	0.17	20.05	10.51	7.22	0.13
17.50	10.07	6.81	0.17	20.10	10.52	7.23	0.13
17.55	10.08	6.82	0.17	20.15	10.52	7.23	0.13
17.60	10.09	6.83	0.17	20.20	10.53	7.24	0.13
17.65	10.10	6.84	0.16	20.25	10.54	7.25	0.13
17.70	10.11	6.85	0.16	20.30	10.55	7.25	0.13
17.75	10.12	6.86	0.16	20.35	10.55	7.26	0.13
17.80	10.13	6.87	0.16	20.40	10.56	7.27	0.13
17.85	10.14	6.87	0.16	20.45	10.57	7.28	0.13
17.90	10.15	6.88	0.15	20.50	10.58	7.28	0.13
17.95	10.16	6.89	0.15	20.55	10.58	7.29	0.13
18.00	10.17	6.90	0.15	20.60	10.59	7.30	0.13
18.05	10.17	6.91	0.15	20.65	10.60	7.30	0.12
18.10	10.18	6.92	0.15	20.70	10.61	7.31	0.12
18.15	10.19	6.92	0.15	20.75	10.61	7.32	0.12

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.12	23.40	10.97	7.65	0.10
20.85	10.63	7.33	0.12	23.45	10.97	7.65	0.10
20.90	10.64	7.34	0.12	23.50	10.98	7.66	0.10
20.95	10.64	7.34	0.12	23.55	10.99	7.66	0.10
21.00	10.65	7.35	0.12	23.60	10.99	7.67	0.10
21.05	10.66	7.36	0.12	23.65	11.00	7.67	0.10
21.10	10.66	7.36	0.12	23.70	11.00	7.68	0.10
21.15	10.67	7.37	0.12	23.75	11.01	7.69	0.10
21.20	10.68	7.38	0.12	23.80	11.01	7.69	0.10
21.25	10.69	7.38	0.12	23.85	11.02	7.70	0.10
21.30	10.69	7.39	0.12	23.90	11.03	7.70	0.10
21.35	10.70	7.40	0.12	23.95	11.03	7.71	0.11
21.40	10.71	7.40	0.12	24.00	**11.04**	**7.72**	0.11
21.45	10.71	7.41	0.12	24.05	11.04	7.72	0.02
21.50	10.72	7.42	0.12	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.12	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.12	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.12	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.12	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.12	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.12	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.11	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.11	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.11	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.11	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.11	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.11	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.11	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.11	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.11	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.11	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.11	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.11	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.11	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.11	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.11	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.11	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.11	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.11	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.11	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.11	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.10	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.10	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.10	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.10	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.10	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.10	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.10	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.10	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.10	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.10	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.10	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 1P: PDA-1 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 2l: PDA-2 (impervious)

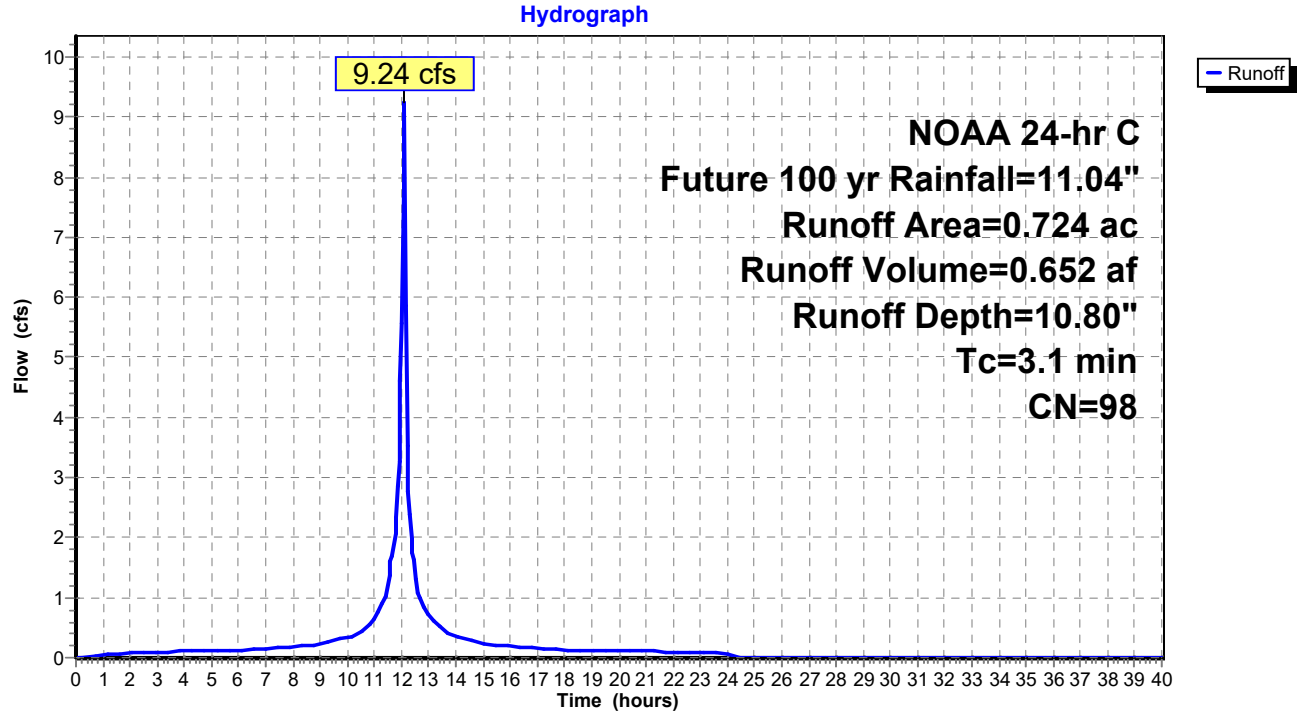
Runoff = 9.24 cfs @ 12.09 hrs, Volume= 0.652 af, Depth=10.80"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.490	98	Roof, HSG C
*	0.196	98	Pavement, HSG C
*	0.038	98	Concrete, HSG C
	0.724	98	Weighted Average
	0.724		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 2l: PDA-2 (impervious)



Hydrograph for Subcatchment 2I: PDA-2 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.09
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.09
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.09
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.09
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.09
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.09
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.09
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.09
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.10
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.10
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.10
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.10
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.10
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.10
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.10
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.10
1.10	0.13	0.03	0.05	3.70	0.49	0.31	0.10
1.15	0.14	0.03	0.05	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.10
1.25	0.15	0.04	0.05	3.85	0.52	0.33	0.10
1.30	0.16	0.04	0.05	3.90	0.52	0.34	0.10
1.35	0.16	0.05	0.06	3.95	0.53	0.35	0.10
1.40	0.17	0.05	0.06	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.06	4.05	0.55	0.36	0.10
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.11
1.55	0.19	0.06	0.06	4.15	0.56	0.38	0.11
1.60	0.20	0.07	0.06	4.20	0.57	0.38	0.11
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.11
1.70	0.21	0.08	0.07	4.30	0.59	0.40	0.11
1.75	0.22	0.08	0.07	4.35	0.60	0.41	0.11
1.80	0.22	0.09	0.07	4.40	0.60	0.41	0.11
1.85	0.23	0.09	0.07	4.45	0.61	0.42	0.11
1.90	0.24	0.10	0.07	4.50	0.62	0.43	0.11
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.11
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.11
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.11
2.10	0.26	0.12	0.08	4.70	0.65	0.46	0.11
2.15	0.27	0.12	0.08	4.75	0.66	0.47	0.11
2.20	0.28	0.13	0.08	4.80	0.67	0.47	0.11
2.25	0.28	0.13	0.08	4.85	0.68	0.48	0.11
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.11
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.11
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.11
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.12
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.12
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.12

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.12	7.80	1.27	1.05	0.18
5.25	0.74	0.55	0.12	7.85	1.28	1.07	0.19
5.30	0.75	0.55	0.12	7.90	1.30	1.08	0.19
5.35	0.76	0.56	0.12	7.95	1.31	1.09	0.19
5.40	0.77	0.57	0.12	8.00	1.32	1.11	0.19
5.45	0.78	0.58	0.12	8.05	1.34	1.12	0.19
5.50	0.79	0.59	0.12	8.10	1.35	1.13	0.19
5.55	0.80	0.59	0.12	8.15	1.36	1.15	0.20
5.60	0.80	0.60	0.12	8.20	1.38	1.16	0.20
5.65	0.81	0.61	0.12	8.25	1.39	1.17	0.20
5.70	0.82	0.62	0.12	8.30	1.40	1.19	0.20
5.75	0.83	0.63	0.12	8.35	1.42	1.20	0.20
5.80	0.84	0.64	0.12	8.40	1.43	1.21	0.20
5.85	0.85	0.64	0.12	8.45	1.45	1.23	0.21
5.90	0.86	0.65	0.12	8.50	1.46	1.24	0.21
5.95	0.87	0.66	0.12	8.55	1.48	1.26	0.21
6.00	0.87	0.67	0.12	8.60	1.49	1.27	0.21
6.05	0.88	0.68	0.13	8.65	1.51	1.29	0.21
6.10	0.89	0.69	0.13	8.70	1.52	1.30	0.21
6.15	0.90	0.70	0.13	8.75	1.54	1.32	0.21
6.20	0.91	0.71	0.13	8.80	1.55	1.33	0.22
6.25	0.92	0.71	0.13	8.85	1.57	1.35	0.22
6.30	0.93	0.72	0.13	8.90	1.58	1.36	0.22
6.35	0.94	0.73	0.14	8.95	1.60	1.38	0.22
6.40	0.95	0.74	0.14	9.00	1.61	1.39	0.22
6.45	0.96	0.75	0.14	9.05	1.63	1.41	0.23
6.50	0.97	0.76	0.14	9.10	1.64	1.42	0.23
6.55	0.98	0.77	0.14	9.15	1.66	1.44	0.24
6.60	0.99	0.78	0.14	9.20	1.68	1.46	0.25
6.65	1.00	0.79	0.15	9.25	1.70	1.47	0.25
6.70	1.01	0.80	0.15	9.30	1.72	1.49	0.26
6.75	1.02	0.81	0.15	9.35	1.73	1.51	0.27
6.80	1.03	0.82	0.15	9.40	1.75	1.53	0.27
6.85	1.04	0.83	0.15	9.45	1.77	1.55	0.28
6.90	1.05	0.84	0.15	9.50	1.79	1.57	0.28
6.95	1.07	0.85	0.16	9.55	1.81	1.59	0.29
7.00	1.08	0.87	0.16	9.60	1.83	1.61	0.30
7.05	1.09	0.88	0.16	9.65	1.85	1.63	0.30
7.10	1.10	0.89	0.16	9.70	1.88	1.65	0.31
7.15	1.11	0.90	0.16	9.75	1.90	1.67	0.31
7.20	1.12	0.91	0.16	9.80	1.92	1.69	0.32
7.25	1.13	0.92	0.17	9.85	1.94	1.72	0.33
7.30	1.15	0.93	0.17	9.90	1.97	1.74	0.33
7.35	1.16	0.94	0.17	9.95	1.99	1.76	0.34
7.40	1.17	0.96	0.17	10.00	2.01	1.79	0.34
7.45	1.18	0.97	0.17	10.05	2.04	1.81	0.35
7.50	1.19	0.98	0.17	10.10	2.06	1.84	0.36
7.55	1.21	0.99	0.18	10.15	2.09	1.86	0.36
7.60	1.22	1.00	0.18	10.20	2.11	1.89	0.37
7.65	1.23	1.02	0.18	10.25	2.14	1.91	0.37
7.70	1.24	1.03	0.18	10.30	2.17	1.94	0.38
7.75	1.26	1.04	0.18	10.35	2.19	1.97	0.39

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.39	13.00	8.39	8.15	0.73
10.45	2.25	2.02	0.40	13.05	8.43	8.19	0.68
10.50	2.28	2.05	0.41	13.10	8.48	8.24	0.64
10.55	2.31	2.08	0.43	13.15	8.52	8.28	0.61
10.60	2.34	2.11	0.45	13.20	8.56	8.32	0.59
10.65	2.37	2.14	0.48	13.25	8.60	8.36	0.57
10.70	2.41	2.18	0.50	13.30	8.63	8.39	0.55
10.75	2.44	2.21	0.52	13.35	8.67	8.43	0.52
10.80	2.48	2.25	0.54	13.40	8.70	8.46	0.50
10.85	2.52	2.29	0.57	13.45	8.73	8.49	0.47
10.90	2.56	2.33	0.59	13.50	8.76	8.52	0.45
10.95	2.61	2.38	0.62	13.55	8.79	8.55	0.43
11.00	2.65	2.42	0.63	13.60	8.82	8.58	0.41
11.05	2.70	2.47	0.68	13.65	8.85	8.61	0.40
11.10	2.75	2.52	0.72	13.70	8.87	8.63	0.40
11.15	2.80	2.57	0.77	13.75	8.90	8.66	0.39
11.20	2.86	2.63	0.81	13.80	8.93	8.69	0.38
11.25	2.92	2.69	0.86	13.85	8.95	8.71	0.38
11.30	2.98	2.75	0.89	13.90	8.98	8.74	0.37
11.35	3.05	2.82	0.94	13.95	9.00	8.76	0.36
11.40	3.12	2.89	0.98	14.00	9.03	8.79	0.36
11.45	3.19	2.96	1.02	14.05	9.05	8.81	0.35
11.50	3.26	3.03	1.05	14.10	9.07	8.83	0.35
11.55	3.37	3.14	1.38	14.15	9.10	8.86	0.34
11.60	3.49	3.25	1.60	14.20	9.12	8.88	0.34
11.65	3.60	3.37	1.67	14.25	9.14	8.90	0.33
11.70	3.72	3.49	1.72	14.30	9.16	8.92	0.32
11.75	3.88	3.65	2.07	14.35	9.19	8.95	0.32
11.80	4.04	3.81	2.33	14.40	9.21	8.97	0.31
11.85	4.27	4.03	2.87	14.45	9.23	8.99	0.30
11.90	4.49	4.25	3.25	14.50	9.25	9.01	0.30
11.95	4.88	4.64	4.61	14.55	9.27	9.03	0.29
12.00	5.26	5.02	5.58	14.60	9.29	9.05	0.29
12.05	5.91	5.67	7.78	14.65	9.31	9.07	0.28
12.10	6.55	6.31	**9.14**	14.70	9.32	9.08	0.27
12.15	6.77	6.53	5.87	14.75	9.34	9.10	0.27
12.20	7.00	6.76	3.52	14.80	9.36	9.12	0.26
12.25	7.16	6.92	2.76	14.85	9.38	9.14	0.26
12.30	7.32	7.08	2.38	14.90	9.40	9.15	0.25
12.35	7.44	7.20	1.99	14.95	9.41	9.17	0.24
12.40	7.55	7.31	1.74	15.00	9.43	9.19	0.24
12.45	7.67	7.43	1.67	15.05	9.44	9.20	0.23
12.50	7.78	7.54	1.62	15.10	9.46	9.22	0.23
12.55	7.85	7.61	1.30	15.15	9.47	9.23	0.22
12.60	7.92	7.68	1.08	15.20	9.49	9.25	0.22
12.65	7.99	7.75	1.01	15.25	9.50	9.26	0.22
12.70	8.06	7.82	0.99	15.30	9.52	9.28	0.22
12.75	8.12	7.88	0.94	15.35	9.53	9.29	0.22
12.80	8.18	7.94	0.90	15.40	9.55	9.31	0.22
12.85	8.24	8.00	0.85	15.45	9.56	9.32	0.21
12.90	8.29	8.05	0.81	15.50	9.58	9.34	0.21
12.95	8.34	8.10	0.76	15.55	9.59	9.35	0.21

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.21	18.20	10.20	9.96	0.13
15.65	9.62	9.38	0.21	18.25	10.21	9.97	0.13
15.70	9.64	9.39	0.21	18.30	10.22	9.98	0.13
15.75	9.65	9.41	0.20	18.35	10.23	9.99	0.13
15.80	9.66	9.42	0.20	18.40	10.24	9.99	0.13
15.85	9.68	9.44	0.20	18.45	10.24	10.00	0.13
15.90	9.69	9.45	0.20	18.50	10.25	10.01	0.13
15.95	9.70	9.46	0.20	18.55	10.26	10.02	0.13
16.00	9.72	9.48	0.20	18.60	10.27	10.03	0.13
16.05	9.73	9.49	0.20	18.65	10.28	10.04	0.13
16.10	9.74	9.50	0.19	18.70	10.29	10.05	0.12
16.15	9.76	9.52	0.19	18.75	10.30	10.05	0.12
16.20	9.77	9.53	0.19	18.80	10.30	10.06	0.12
16.25	9.78	9.54	0.19	18.85	10.31	10.07	0.12
16.30	9.80	9.55	0.19	18.90	10.32	10.08	0.12
16.35	9.81	9.57	0.19	18.95	10.33	10.09	0.12
16.40	9.82	9.58	0.18	19.00	10.34	10.10	0.12
16.45	9.83	9.59	0.18	19.05	10.35	10.11	0.12
16.50	9.85	9.60	0.18	19.10	10.35	10.11	0.12
16.55	9.86	9.62	0.18	19.15	10.36	10.12	0.12
16.60	9.87	9.63	0.18	19.20	10.37	10.13	0.12
16.65	9.88	9.64	0.18	19.25	10.38	10.14	0.12
16.70	9.89	9.65	0.17	19.30	10.39	10.15	0.12
16.75	9.91	9.66	0.17	19.35	10.40	10.15	0.12
16.80	9.92	9.68	0.17	19.40	10.40	10.16	0.12
16.85	9.93	9.69	0.17	19.45	10.41	10.17	0.12
16.90	9.94	9.70	0.17	19.50	10.42	10.18	0.12
16.95	9.95	9.71	0.17	19.55	10.43	10.19	0.12
17.00	9.96	9.72	0.17	19.60	10.44	10.20	0.12
17.05	9.97	9.73	0.16	19.65	10.44	10.20	0.12
17.10	9.99	9.74	0.16	19.70	10.45	10.21	0.12
17.15	10.00	9.76	0.16	19.75	10.46	10.22	0.12
17.20	10.01	9.77	0.16	19.80	10.47	10.23	0.12
17.25	10.02	9.78	0.16	19.85	10.48	10.24	0.12
17.30	10.03	9.79	0.15	19.90	10.48	10.24	0.12
17.35	10.04	9.80	0.15	19.95	10.49	10.25	0.11
17.40	10.05	9.81	0.15	20.00	10.50	10.26	0.11
17.45	10.06	9.82	0.15	20.05	10.51	10.27	0.11
17.50	10.07	9.83	0.15	20.10	10.52	10.27	0.11
17.55	10.08	9.84	0.15	20.15	10.52	10.28	0.11
17.60	10.09	9.85	0.15	20.20	10.53	10.29	0.11
17.65	10.10	9.86	0.14	20.25	10.54	10.30	0.11
17.70	10.11	9.87	0.14	20.30	10.55	10.31	0.11
17.75	10.12	9.88	0.14	20.35	10.55	10.31	0.11
17.80	10.13	9.89	0.14	20.40	10.56	10.32	0.11
17.85	10.14	9.90	0.14	20.45	10.57	10.33	0.11
17.90	10.15	9.91	0.14	20.50	10.58	10.34	0.11
17.95	10.16	9.92	0.13	20.55	10.58	10.34	0.11
18.00	10.17	9.92	0.13	20.60	10.59	10.35	0.11
18.05	10.17	9.93	0.13	20.65	10.60	10.36	0.11
18.10	10.18	9.94	0.13	20.70	10.61	10.37	0.11
18.15	10.19	9.95	0.13	20.75	10.61	10.37	0.11

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.11	23.40	10.97	10.73	0.09
20.85	10.63	10.39	0.11	23.45	10.97	10.73	0.09
20.90	10.64	10.39	0.11	23.50	10.98	10.74	0.09
20.95	10.64	10.40	0.11	23.55	10.99	10.74	0.09
21.00	10.65	10.41	0.11	23.60	10.99	10.75	0.09
21.05	10.66	10.42	0.11	23.65	11.00	10.76	0.09
21.10	10.66	10.42	0.11	23.70	11.00	10.76	0.09
21.15	10.67	10.43	0.11	23.75	11.01	10.77	0.08
21.20	10.68	10.44	0.10	23.80	11.01	10.77	0.08
21.25	10.69	10.45	0.10	23.85	11.02	10.78	0.08
21.30	10.69	10.45	0.10	23.90	11.03	10.78	0.08
21.35	10.70	10.46	0.10	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.10	24.00	**11.04**	**10.80**	0.10
21.45	10.71	10.47	0.10	24.05	11.04	10.80	0.04
21.50	10.72	10.48	0.10	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.10	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.10	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.10	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.10	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.10	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.10	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.10	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.10	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.10	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.10	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.10	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.10	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.10	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.10	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.10	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.10	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.10	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.10	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.09	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.09	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.09	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.09	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.09	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.09	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.09	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.09	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.09	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.09	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.09	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.09	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.09	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.09	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.09	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.09	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.09	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.09	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.09	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 2I: PDA-2 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 2P: PDA-2 (pervious)

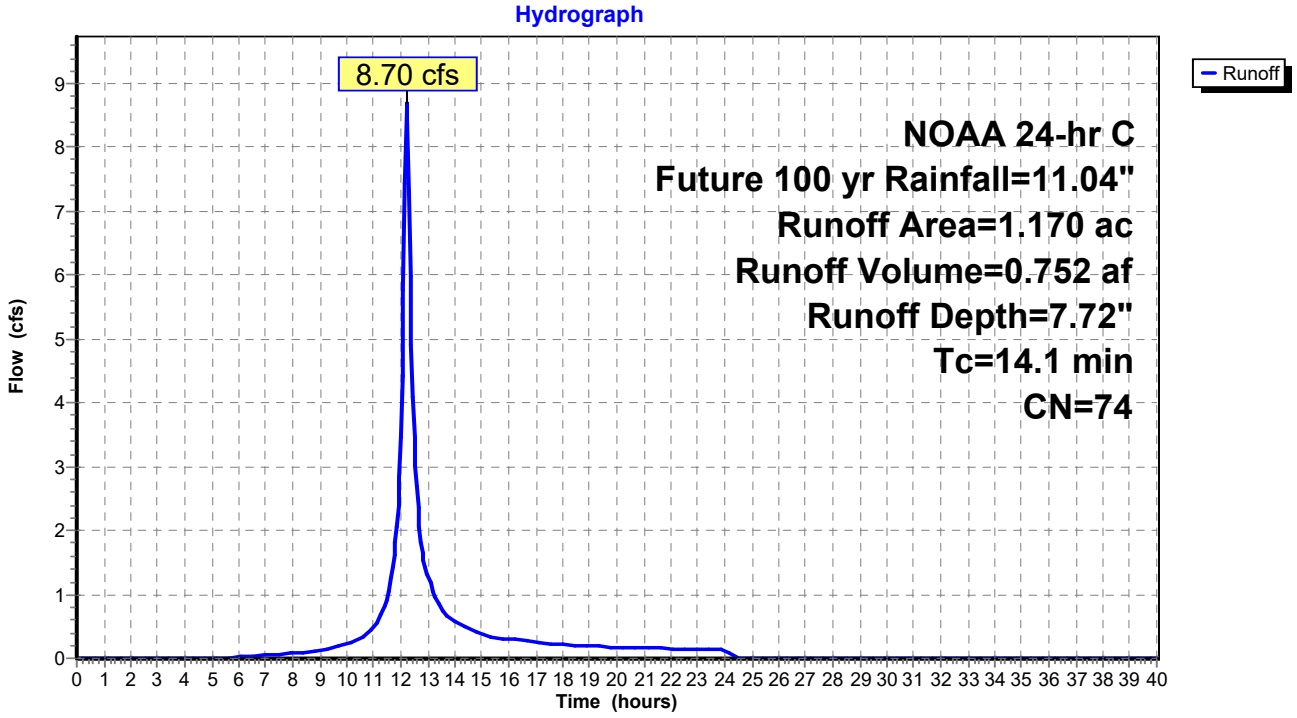
Runoff = 8.70 cfs @ 12.22 hrs, Volume= 0.752 af, Depth= 7.72"
Routed to Pond B-2 : Basin #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.170	74	>75% Grass cover, Good, HSG C
1.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1					**Direct Entry,**

Subcatchment 2P: PDA-2 (pervious)



Hydrograph for Subcatchment 2P: PDA-2 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.07
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.07
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.07
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.08
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.08
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.08
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.08
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.08
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.09
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.09
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.09
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.09
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.10
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.10
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.10
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.10
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.11
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.11
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.11
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.11
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.11
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.12
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.12
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.12
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.12
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.13
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.13
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.13
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.14
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.14
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.15
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.15
6.80	1.03	0.03	0.04	9.40	1.75	0.24	0.16
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.16
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.17
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.18
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.18
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.19
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.20
7.15	1.11	0.04	0.05	9.75	1.90	0.30	0.20
7.20	1.12	0.04	0.05	9.80	1.92	0.31	0.21
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.21
7.30	1.15	0.05	0.05	9.90	1.97	0.33	0.22
7.35	1.16	0.05	0.05	9.95	1.99	0.34	0.23
7.40	1.17	0.05	0.05	10.00	2.01	0.36	0.24
7.45	1.18	0.06	0.06	10.05	2.04	0.37	0.24
7.50	1.19	0.06	0.06	10.10	2.06	0.38	0.25
7.55	1.21	0.06	0.06	10.15	2.09	0.39	0.26
7.60	1.22	0.07	0.06	10.20	2.11	0.40	0.27
7.65	1.23	0.07	0.06	10.25	2.14	0.42	0.27
7.70	1.24	0.07	0.07	10.30	2.17	0.43	0.28
7.75	1.26	0.08	0.07	10.35	2.19	0.44	0.29

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.30	13.00	8.39	5.28	1.28
10.45	2.25	0.47	0.30	13.05	8.43	5.32	1.21
10.50	2.28	0.49	0.31	13.10	8.48	5.36	1.14
10.55	2.31	0.50	0.32	13.15	8.52	5.39	1.08
10.60	2.34	0.52	0.33	13.20	8.56	5.43	1.02
10.65	2.37	0.54	0.35	13.25	8.60	5.46	0.97
10.70	2.41	0.56	0.36	13.30	8.63	5.50	0.93
10.75	2.44	0.58	0.38	13.35	8.67	5.53	0.89
10.80	2.48	0.60	0.41	13.40	8.70	5.56	0.85
10.85	2.52	0.62	0.43	13.45	8.73	5.59	0.81
10.90	2.56	0.64	0.45	13.50	8.76	5.61	0.78
10.95	2.61	0.67	0.48	13.55	8.79	5.64	0.74
11.00	2.65	0.69	0.51	13.60	8.82	5.67	0.71
11.05	2.70	0.72	0.53	13.65	8.85	5.69	0.68
11.10	2.75	0.75	0.56	13.70	8.87	5.71	0.65
11.15	2.80	0.79	0.60	13.75	8.90	5.74	0.62
11.20	2.86	0.82	0.64	13.80	8.93	5.76	0.61
11.25	2.92	0.86	0.69	13.85	8.95	5.79	0.59
11.30	2.98	0.90	0.73	13.90	8.98	5.81	0.58
11.35	3.05	0.94	0.78	13.95	9.00	5.83	0.57
11.40	3.12	0.98	0.84	14.00	9.03	5.85	0.56
11.45	3.19	1.03	0.89	14.05	9.05	5.88	0.55
11.50	3.26	1.08	0.94	14.10	9.07	5.90	0.54
11.55	3.37	1.15	1.00	14.15	9.10	5.92	0.53
11.60	3.49	1.23	1.09	14.20	9.12	5.94	0.52
11.65	3.60	1.31	1.25	14.25	9.14	5.96	0.51
11.70	3.72	1.39	1.44	14.30	9.16	5.98	0.51
11.75	3.88	1.51	1.62	14.35	9.19	6.00	0.50
11.80	4.04	1.63	1.81	14.40	9.21	6.02	0.49
11.85	4.27	1.79	2.05	14.45	9.23	6.04	0.48
11.90	4.49	1.96	2.38	14.50	9.25	6.06	0.47
11.95	4.88	2.27	2.83	14.55	9.27	6.07	0.46
12.00	5.26	2.57	3.47	14.60	9.29	6.09	0.45
12.05	5.91	3.11	4.42	14.65	9.31	6.11	0.44
12.10	6.55	3.65	5.76	14.70	9.32	6.13	0.44
12.15	6.77	3.85	7.45	14.75	9.34	6.14	0.43
12.20	7.00	4.04	**8.60**	14.80	9.36	6.16	0.42
12.25	7.16	4.18	8.45	14.85	9.38	6.17	0.41
12.30	7.32	4.32	7.32	14.90	9.40	6.19	0.40
12.35	7.44	4.43	5.98	14.95	9.41	6.21	0.39
12.40	7.55	4.53	4.91	15.00	9.43	6.22	0.38
12.45	7.67	4.63	4.09	15.05	9.44	6.23	0.37
12.50	7.78	4.73	3.47	15.10	9.46	6.25	0.36
12.55	7.85	4.79	3.03	15.15	9.47	6.26	0.36
12.60	7.92	4.86	2.69	15.20	9.49	6.28	0.35
12.65	7.99	4.92	2.37	15.25	9.50	6.29	0.34
12.70	8.06	4.98	2.06	15.30	9.52	6.30	0.34
12.75	8.12	5.03	1.82	15.35	9.53	6.32	0.33
12.80	8.18	5.09	1.65	15.40	9.55	6.33	0.33
12.85	8.24	5.14	1.53	15.45	9.56	6.34	0.33
12.90	8.29	5.19	1.43	15.50	9.58	6.36	0.32
12.95	8.34	5.23	1.35	15.55	9.59	6.37	0.32

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.32	18.20	10.20	6.93	0.20
15.65	9.62	6.40	0.32	18.25	10.21	6.94	0.20
15.70	9.64	6.41	0.32	18.30	10.22	6.95	0.19
15.75	9.65	6.42	0.31	18.35	10.23	6.96	0.19
15.80	9.66	6.44	0.31	18.40	10.24	6.97	0.19
15.85	9.68	6.45	0.31	18.45	10.24	6.97	0.19
15.90	9.69	6.46	0.31	18.50	10.25	6.98	0.19
15.95	9.70	6.47	0.30	18.55	10.26	6.99	0.19
16.00	9.72	6.49	0.30	18.60	10.27	7.00	0.19
16.05	9.73	6.50	0.30	18.65	10.28	7.01	0.19
16.10	9.74	6.51	0.30	18.70	10.29	7.01	0.19
16.15	9.76	6.52	0.29	18.75	10.30	7.02	0.19
16.20	9.77	6.54	0.29	18.80	10.30	7.03	0.19
16.25	9.78	6.55	0.29	18.85	10.31	7.04	0.19
16.30	9.80	6.56	0.29	18.90	10.32	7.04	0.19
16.35	9.81	6.57	0.29	18.95	10.33	7.05	0.19
16.40	9.82	6.58	0.28	19.00	10.34	7.06	0.19
16.45	9.83	6.59	0.28	19.05	10.35	7.07	0.19
16.50	9.85	6.60	0.28	19.10	10.35	7.08	0.18
16.55	9.86	6.62	0.28	19.15	10.36	7.08	0.18
16.60	9.87	6.63	0.27	19.20	10.37	7.09	0.18
16.65	9.88	6.64	0.27	19.25	10.38	7.10	0.18
16.70	9.89	6.65	0.27	19.30	10.39	7.11	0.18
16.75	9.91	6.66	0.27	19.35	10.40	7.11	0.18
16.80	9.92	6.67	0.26	19.40	10.40	7.12	0.18
16.85	9.93	6.68	0.26	19.45	10.41	7.13	0.18
16.90	9.94	6.69	0.26	19.50	10.42	7.14	0.18
16.95	9.95	6.70	0.26	19.55	10.43	7.14	0.18
17.00	9.96	6.71	0.25	19.60	10.44	7.15	0.18
17.05	9.97	6.72	0.25	19.65	10.44	7.16	0.18
17.10	9.99	6.73	0.25	19.70	10.45	7.17	0.18
17.15	10.00	6.74	0.25	19.75	10.46	7.17	0.18
17.20	10.01	6.75	0.25	19.80	10.47	7.18	0.18
17.25	10.02	6.76	0.24	19.85	10.48	7.19	0.18
17.30	10.03	6.77	0.24	19.90	10.48	7.20	0.18
17.35	10.04	6.78	0.24	19.95	10.49	7.20	0.18
17.40	10.05	6.79	0.24	20.00	10.50	7.21	0.17
17.45	10.06	6.80	0.23	20.05	10.51	7.22	0.17
17.50	10.07	6.81	0.23	20.10	10.52	7.23	0.17
17.55	10.08	6.82	0.23	20.15	10.52	7.23	0.17
17.60	10.09	6.83	0.23	20.20	10.53	7.24	0.17
17.65	10.10	6.84	0.22	20.25	10.54	7.25	0.17
17.70	10.11	6.85	0.22	20.30	10.55	7.25	0.17
17.75	10.12	6.86	0.22	20.35	10.55	7.26	0.17
17.80	10.13	6.87	0.22	20.40	10.56	7.27	0.17
17.85	10.14	6.87	0.21	20.45	10.57	7.28	0.17
17.90	10.15	6.88	0.21	20.50	10.58	7.28	0.17
17.95	10.16	6.89	0.21	20.55	10.58	7.29	0.17
18.00	10.17	6.90	0.21	20.60	10.59	7.30	0.17
18.05	10.17	6.91	0.20	20.65	10.60	7.30	0.17
18.10	10.18	6.92	0.20	20.70	10.61	7.31	0.17
18.15	10.19	6.92	0.20	20.75	10.61	7.32	0.17

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.16	23.40	10.97	7.65	0.13
20.85	10.63	7.33	0.16	23.45	10.97	7.65	0.13
20.90	10.64	7.34	0.16	23.50	10.98	7.66	0.13
20.95	10.64	7.34	0.16	23.55	10.99	7.66	0.13
21.00	10.65	7.35	0.16	23.60	10.99	7.67	0.13
21.05	10.66	7.36	0.16	23.65	11.00	7.67	0.13
21.10	10.66	7.36	0.16	23.70	11.00	7.68	0.13
21.15	10.67	7.37	0.16	23.75	11.01	7.69	0.13
21.20	10.68	7.38	0.16	23.80	11.01	7.69	0.13
21.25	10.69	7.38	0.16	23.85	11.02	7.70	0.13
21.30	10.69	7.39	0.16	23.90	11.03	7.70	0.13
21.35	10.70	7.40	0.16	23.95	11.03	7.71	0.13
21.40	10.71	7.40	0.16	24.00	**11.04**	**7.72**	0.13
21.45	10.71	7.41	0.16	24.05	11.04	7.72	0.13
21.50	10.72	7.42	0.16	24.10	11.04	7.72	0.13
21.55	10.73	7.42	0.16	24.15	11.04	7.72	0.10
21.60	10.74	7.43	0.16	24.20	11.04	7.72	0.07
21.65	10.74	7.44	0.15	24.25	11.04	7.72	0.04
21.70	10.75	7.44	0.15	24.30	11.04	7.72	0.03
21.75	10.76	7.45	0.15	24.35	11.04	7.72	0.02
21.80	10.76	7.46	0.15	24.40	11.04	7.72	0.01
21.85	10.77	7.46	0.15	24.45	11.04	7.72	0.01
21.90	10.78	7.47	0.15	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.15	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.15	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.15	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.15	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.15	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.15	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.15	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.15	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.15	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.15	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.15	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.14	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.14	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.14	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.14	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.14	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.14	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.14	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.14	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.14	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.14	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.14	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.14	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.14	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.14	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.14	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.14	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.13	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.13	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 2P: PDA-2 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 3l: PDA-3 (impervious)

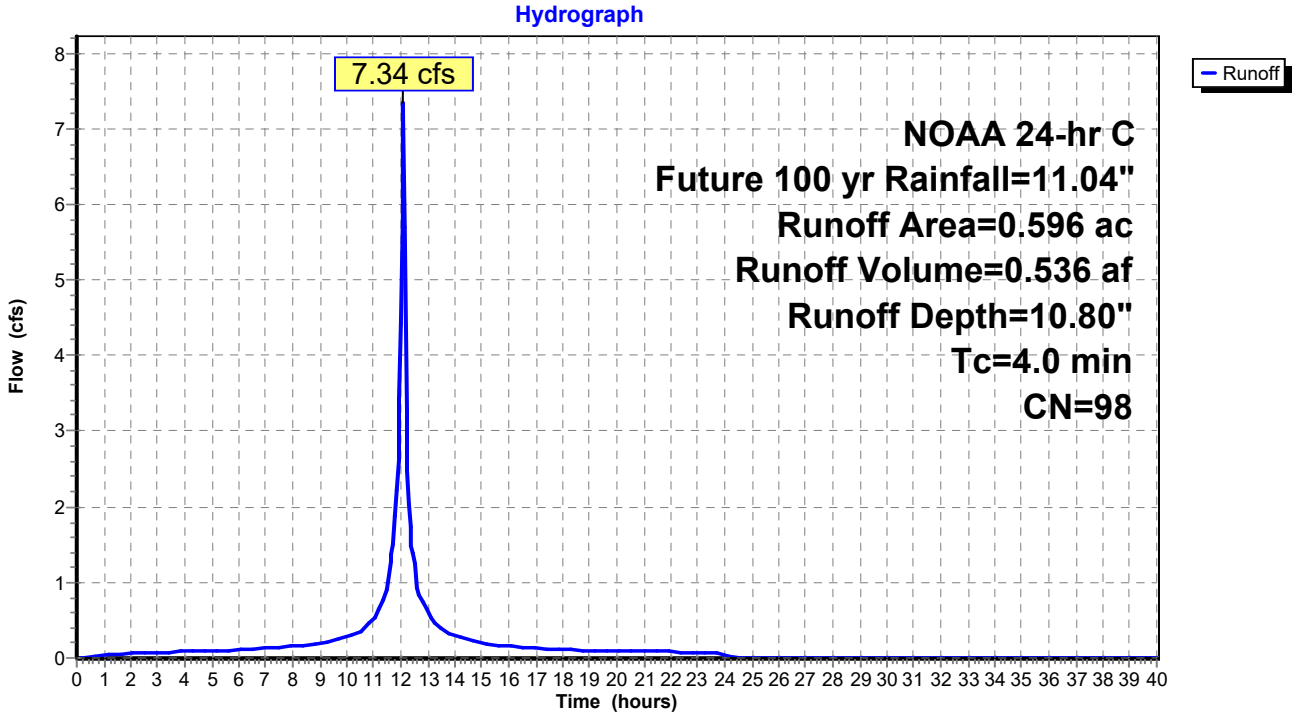
Runoff = 7.34 cfs @ 12.10 hrs, Volume= 0.536 af, Depth=10.80"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.304	98	Pavement, HSG C
*	0.035	98	Concrete, HSG C
	0.257	98	Unconnected roofs, HSG C
	0.596	98	Weighted Average
	0.596		100.00% Impervious Area
	0.257		43.12% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0					**Direct Entry,**

Subcatchment 3l: PDA-3 (impervious)



Hydrograph for Subcatchment 3I: PDA-3 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.07
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.07
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.07
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.07
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.07
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.07
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.07
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.07
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.07
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.08
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.08
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.08
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.08
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.08
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.08
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.08
0.80	0.10	0.01	0.02	3.40	0.45	0.27	0.08
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.08
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.08
0.95	0.11	0.02	0.03	3.55	0.47	0.29	0.08
1.00	0.12	0.02	0.03	3.60	0.48	0.30	0.08
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.08
1.10	0.13	0.03	0.04	3.70	0.49	0.31	0.08
1.15	0.14	0.03	0.04	3.75	0.50	0.32	0.08
1.20	0.15	0.04	0.04	3.80	0.51	0.33	0.08
1.25	0.15	0.04	0.04	3.85	0.52	0.33	0.08
1.30	0.16	0.04	0.04	3.90	0.52	0.34	0.08
1.35	0.16	0.05	0.05	3.95	0.53	0.35	0.08
1.40	0.17	0.05	0.05	4.00	0.54	0.35	0.09
1.45	0.18	0.05	0.05	4.05	0.55	0.36	0.09
1.50	0.18	0.06	0.05	4.10	0.56	0.37	0.09
1.55	0.19	0.06	0.05	4.15	0.56	0.38	0.09
1.60	0.20	0.07	0.05	4.20	0.57	0.38	0.09
1.65	0.20	0.07	0.05	4.25	0.58	0.39	0.09
1.70	0.21	0.08	0.05	4.30	0.59	0.40	0.09
1.75	0.22	0.08	0.05	4.35	0.60	0.41	0.09
1.80	0.22	0.09	0.06	4.40	0.60	0.41	0.09
1.85	0.23	0.09	0.06	4.45	0.61	0.42	0.09
1.90	0.24	0.10	0.06	4.50	0.62	0.43	0.09
1.95	0.24	0.10	0.06	4.55	0.63	0.44	0.09
2.00	0.25	0.11	0.06	4.60	0.64	0.44	0.09
2.05	0.26	0.11	0.06	4.65	0.64	0.45	0.09
2.10	0.26	0.12	0.06	4.70	0.65	0.46	0.09
2.15	0.27	0.12	0.06	4.75	0.66	0.47	0.09
2.20	0.28	0.13	0.06	4.80	0.67	0.47	0.09
2.25	0.28	0.13	0.06	4.85	0.68	0.48	0.09
2.30	0.29	0.14	0.07	4.90	0.69	0.49	0.09
2.35	0.30	0.14	0.07	4.95	0.69	0.50	0.09
2.40	0.30	0.15	0.07	5.00	0.70	0.51	0.09
2.45	0.31	0.15	0.07	5.05	0.71	0.51	0.09
2.50	0.32	0.16	0.07	5.10	0.72	0.52	0.10
2.55	0.33	0.17	0.07	5.15	0.73	0.53	0.10

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.10	7.80	1.27	1.05	0.15
5.25	0.74	0.55	0.10	7.85	1.28	1.07	0.15
5.30	0.75	0.55	0.10	7.90	1.30	1.08	0.15
5.35	0.76	0.56	0.10	7.95	1.31	1.09	0.16
5.40	0.77	0.57	0.10	8.00	1.32	1.11	0.16
5.45	0.78	0.58	0.10	8.05	1.34	1.12	0.16
5.50	0.79	0.59	0.10	8.10	1.35	1.13	0.16
5.55	0.80	0.59	0.10	8.15	1.36	1.15	0.16
5.60	0.80	0.60	0.10	8.20	1.38	1.16	0.16
5.65	0.81	0.61	0.10	8.25	1.39	1.17	0.16
5.70	0.82	0.62	0.10	8.30	1.40	1.19	0.16
5.75	0.83	0.63	0.10	8.35	1.42	1.20	0.17
5.80	0.84	0.64	0.10	8.40	1.43	1.21	0.17
5.85	0.85	0.64	0.10	8.45	1.45	1.23	0.17
5.90	0.86	0.65	0.10	8.50	1.46	1.24	0.17
5.95	0.87	0.66	0.10	8.55	1.48	1.26	0.17
6.00	0.87	0.67	0.10	8.60	1.49	1.27	0.17
6.05	0.88	0.68	0.10	8.65	1.51	1.29	0.17
6.10	0.89	0.69	0.11	8.70	1.52	1.30	0.18
6.15	0.90	0.70	0.11	8.75	1.54	1.32	0.18
6.20	0.91	0.71	0.11	8.80	1.55	1.33	0.18
6.25	0.92	0.71	0.11	8.85	1.57	1.35	0.18
6.30	0.93	0.72	0.11	8.90	1.58	1.36	0.18
6.35	0.94	0.73	0.11	8.95	1.60	1.38	0.18
6.40	0.95	0.74	0.11	9.00	1.61	1.39	0.18
6.45	0.96	0.75	0.11	9.05	1.63	1.41	0.19
6.50	0.97	0.76	0.12	9.10	1.64	1.42	0.19
6.55	0.98	0.77	0.12	9.15	1.66	1.44	0.20
6.60	0.99	0.78	0.12	9.20	1.68	1.46	0.20
6.65	1.00	0.79	0.12	9.25	1.70	1.47	0.21
6.70	1.01	0.80	0.12	9.30	1.72	1.49	0.21
6.75	1.02	0.81	0.12	9.35	1.73	1.51	0.22
6.80	1.03	0.82	0.12	9.40	1.75	1.53	0.22
6.85	1.04	0.83	0.12	9.45	1.77	1.55	0.23
6.90	1.05	0.84	0.13	9.50	1.79	1.57	0.23
6.95	1.07	0.85	0.13	9.55	1.81	1.59	0.24
7.00	1.08	0.87	0.13	9.60	1.83	1.61	0.24
7.05	1.09	0.88	0.13	9.65	1.85	1.63	0.25
7.10	1.10	0.89	0.13	9.70	1.88	1.65	0.25
7.15	1.11	0.90	0.13	9.75	1.90	1.67	0.26
7.20	1.12	0.91	0.13	9.80	1.92	1.69	0.26
7.25	1.13	0.92	0.14	9.85	1.94	1.72	0.27
7.30	1.15	0.93	0.14	9.90	1.97	1.74	0.27
7.35	1.16	0.94	0.14	9.95	1.99	1.76	0.28
7.40	1.17	0.96	0.14	10.00	2.01	1.79	0.28
7.45	1.18	0.97	0.14	10.05	2.04	1.81	0.29
7.50	1.19	0.98	0.14	10.10	2.06	1.84	0.29
7.55	1.21	0.99	0.14	10.15	2.09	1.86	0.30
7.60	1.22	1.00	0.15	10.20	2.11	1.89	0.30
7.65	1.23	1.02	0.15	10.25	2.14	1.91	0.31
7.70	1.24	1.03	0.15	10.30	2.17	1.94	0.31
7.75	1.26	1.04	0.15	10.35	2.19	1.97	0.32

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.32	13.00	8.39	8.15	0.60
10.45	2.25	2.02	0.33	13.05	8.43	8.19	0.57
10.50	2.28	2.05	0.33	13.10	8.48	8.24	0.53
10.55	2.31	2.08	0.35	13.15	8.52	8.28	0.51
10.60	2.34	2.11	0.37	13.20	8.56	8.32	0.49
10.65	2.37	2.14	0.39	13.25	8.60	8.36	0.47
10.70	2.41	2.18	0.40	13.30	8.63	8.39	0.45
10.75	2.44	2.21	0.42	13.35	8.67	8.43	0.44
10.80	2.48	2.25	0.44	13.40	8.70	8.46	0.42
10.85	2.52	2.29	0.46	13.45	8.73	8.49	0.40
10.90	2.56	2.33	0.48	13.50	8.76	8.52	0.38
10.95	2.61	2.38	0.50	13.55	8.79	8.55	0.36
11.00	2.65	2.42	0.52	13.60	8.82	8.58	0.34
11.05	2.70	2.47	0.55	13.65	8.85	8.61	0.33
11.10	2.75	2.52	0.59	13.70	8.87	8.63	0.33
11.15	2.80	2.57	0.62	13.75	8.90	8.66	0.32
11.20	2.86	2.63	0.66	13.80	8.93	8.69	0.32
11.25	2.92	2.69	0.69	13.85	8.95	8.71	0.31
11.30	2.98	2.75	0.73	13.90	8.98	8.74	0.31
11.35	3.05	2.82	0.76	13.95	9.00	8.76	0.30
11.40	3.12	2.89	0.80	14.00	9.03	8.79	0.30
11.45	3.19	2.96	0.83	14.05	9.05	8.81	0.29
11.50	3.26	3.03	0.86	14.10	9.07	8.83	0.29
11.55	3.37	3.14	1.05	14.15	9.10	8.86	0.28
11.60	3.49	3.25	1.28	14.20	9.12	8.88	0.28
11.65	3.60	3.37	1.36	14.25	9.14	8.90	0.27
11.70	3.72	3.49	1.40	14.30	9.16	8.92	0.27
11.75	3.88	3.65	1.61	14.35	9.19	8.95	0.26
11.80	4.04	3.81	1.87	14.40	9.21	8.97	0.26
11.85	4.27	4.03	2.22	14.45	9.23	8.99	0.25
11.90	4.49	4.25	2.61	14.50	9.25	9.01	0.25
11.95	4.88	4.64	3.43	14.55	9.27	9.03	0.24
12.00	5.26	5.02	4.42	14.60	9.29	9.05	0.24
12.05	5.91	5.67	5.81	14.65	9.31	9.07	0.23
12.10	6.55	6.31	**7.34**	14.70	9.32	9.08	0.23
12.15	6.77	6.53	5.69	14.75	9.34	9.10	0.22
12.20	7.00	6.76	3.26	14.80	9.36	9.12	0.22
12.25	7.16	6.92	2.48	14.85	9.38	9.14	0.21
12.30	7.32	7.08	2.03	14.90	9.40	9.15	0.21
12.35	7.44	7.20	1.74	14.95	9.41	9.17	0.20
12.40	7.55	7.31	1.47	15.00	9.43	9.19	0.20
12.45	7.67	7.43	1.39	15.05	9.44	9.20	0.19
12.50	7.78	7.54	1.35	15.10	9.46	9.22	0.19
12.55	7.85	7.61	1.15	15.15	9.47	9.23	0.19
12.60	7.92	7.68	0.92	15.20	9.49	9.25	0.18
12.65	7.99	7.75	0.85	15.25	9.50	9.26	0.18
12.70	8.06	7.82	0.82	15.30	9.52	9.28	0.18
12.75	8.12	7.88	0.78	15.35	9.53	9.29	0.18
12.80	8.18	7.94	0.75	15.40	9.55	9.31	0.18
12.85	8.24	8.00	0.71	15.45	9.56	9.32	0.18
12.90	8.29	8.05	0.68	15.50	9.58	9.34	0.18
12.95	8.34	8.10	0.64	15.55	9.59	9.35	0.17

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.17	18.20	10.20	9.96	0.11
15.65	9.62	9.38	0.17	18.25	10.21	9.97	0.11
15.70	9.64	9.39	0.17	18.30	10.22	9.98	0.11
15.75	9.65	9.41	0.17	18.35	10.23	9.99	0.11
15.80	9.66	9.42	0.17	18.40	10.24	9.99	0.10
15.85	9.68	9.44	0.17	18.45	10.24	10.00	0.10
15.90	9.69	9.45	0.17	18.50	10.25	10.01	0.10
15.95	9.70	9.46	0.16	18.55	10.26	10.02	0.10
16.00	9.72	9.48	0.16	18.60	10.27	10.03	0.10
16.05	9.73	9.49	0.16	18.65	10.28	10.04	0.10
16.10	9.74	9.50	0.16	18.70	10.29	10.05	0.10
16.15	9.76	9.52	0.16	18.75	10.30	10.05	0.10
16.20	9.77	9.53	0.16	18.80	10.30	10.06	0.10
16.25	9.78	9.54	0.16	18.85	10.31	10.07	0.10
16.30	9.80	9.55	0.15	18.90	10.32	10.08	0.10
16.35	9.81	9.57	0.15	18.95	10.33	10.09	0.10
16.40	9.82	9.58	0.15	19.00	10.34	10.10	0.10
16.45	9.83	9.59	0.15	19.05	10.35	10.11	0.10
16.50	9.85	9.60	0.15	19.10	10.35	10.11	0.10
16.55	9.86	9.62	0.15	19.15	10.36	10.12	0.10
16.60	9.87	9.63	0.15	19.20	10.37	10.13	0.10
16.65	9.88	9.64	0.15	19.25	10.38	10.14	0.10
16.70	9.89	9.65	0.14	19.30	10.39	10.15	0.10
16.75	9.91	9.66	0.14	19.35	10.40	10.15	0.10
16.80	9.92	9.68	0.14	19.40	10.40	10.16	0.10
16.85	9.93	9.69	0.14	19.45	10.41	10.17	0.10
16.90	9.94	9.70	0.14	19.50	10.42	10.18	0.10
16.95	9.95	9.71	0.14	19.55	10.43	10.19	0.10
17.00	9.96	9.72	0.14	19.60	10.44	10.20	0.10
17.05	9.97	9.73	0.13	19.65	10.44	10.20	0.10
17.10	9.99	9.74	0.13	19.70	10.45	10.21	0.10
17.15	10.00	9.76	0.13	19.75	10.46	10.22	0.10
17.20	10.01	9.77	0.13	19.80	10.47	10.23	0.10
17.25	10.02	9.78	0.13	19.85	10.48	10.24	0.10
17.30	10.03	9.79	0.13	19.90	10.48	10.24	0.09
17.35	10.04	9.80	0.13	19.95	10.49	10.25	0.09
17.40	10.05	9.81	0.13	20.00	10.50	10.26	0.09
17.45	10.06	9.82	0.12	20.05	10.51	10.27	0.09
17.50	10.07	9.83	0.12	20.10	10.52	10.27	0.09
17.55	10.08	9.84	0.12	20.15	10.52	10.28	0.09
17.60	10.09	9.85	0.12	20.20	10.53	10.29	0.09
17.65	10.10	9.86	0.12	20.25	10.54	10.30	0.09
17.70	10.11	9.87	0.12	20.30	10.55	10.31	0.09
17.75	10.12	9.88	0.12	20.35	10.55	10.31	0.09
17.80	10.13	9.89	0.12	20.40	10.56	10.32	0.09
17.85	10.14	9.90	0.11	20.45	10.57	10.33	0.09
17.90	10.15	9.91	0.11	20.50	10.58	10.34	0.09
17.95	10.16	9.92	0.11	20.55	10.58	10.34	0.09
18.00	10.17	9.92	0.11	20.60	10.59	10.35	0.09
18.05	10.17	9.93	0.11	20.65	10.60	10.36	0.09
18.10	10.18	9.94	0.11	20.70	10.61	10.37	0.09
18.15	10.19	9.95	0.11	20.75	10.61	10.37	0.09

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.09	23.40	10.97	10.73	0.07
20.85	10.63	10.39	0.09	23.45	10.97	10.73	0.07
20.90	10.64	10.39	0.09	23.50	10.98	10.74	0.07
20.95	10.64	10.40	0.09	23.55	10.99	10.74	0.07
21.00	10.65	10.41	0.09	23.60	10.99	10.75	0.07
21.05	10.66	10.42	0.09	23.65	11.00	10.76	0.07
21.10	10.66	10.42	0.09	23.70	11.00	10.76	0.07
21.15	10.67	10.43	0.09	23.75	11.01	10.77	0.07
21.20	10.68	10.44	0.09	23.80	11.01	10.77	0.07
21.25	10.69	10.45	0.09	23.85	11.02	10.78	0.07
21.30	10.69	10.45	0.09	23.90	11.03	10.78	0.07
21.35	10.70	10.46	0.09	23.95	11.03	10.79	0.07
21.40	10.71	10.47	0.09	24.00	**11.04**	**10.80**	0.08
21.45	10.71	10.47	0.08	24.05	11.04	10.80	0.05
21.50	10.72	10.48	0.08	24.10	11.04	10.80	0.01
21.55	10.73	10.49	0.08	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.08	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.08	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.08	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.08	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.08	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.08	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.08	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.08	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.08	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.08	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.08	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.08	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.08	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.08	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.08	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.08	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.08	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.08	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.08	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.08	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.08	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.08	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.08	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.08	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.08	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.08	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.08	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.07	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.07	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.07	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.07	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.07	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.07	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.07	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.07	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.07	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 3I: PDA-3 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 3P: PDA-3 (pervious)

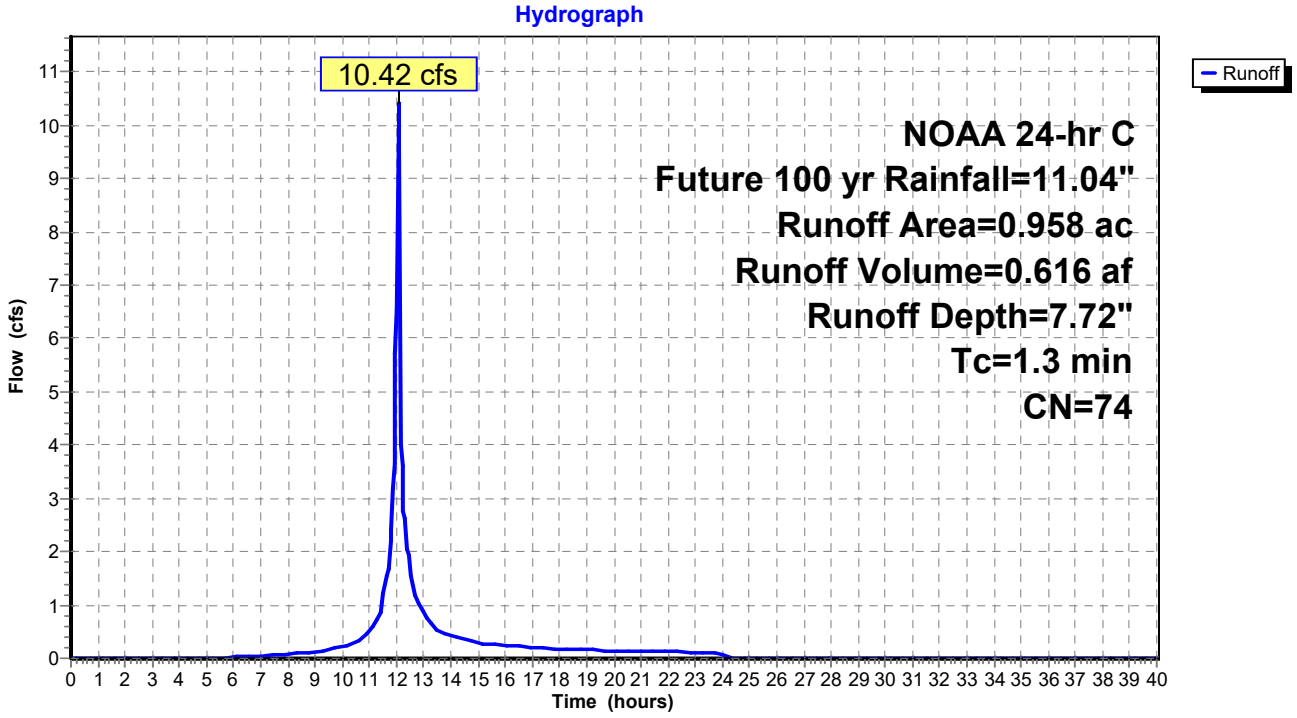
Runoff = 10.42 cfs @ 12.07 hrs, Volume= 0.616 af, Depth= 7.72"
Routed to Pond B-3 : Basin #3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.958	74	>75% Grass cover, Good, HSG C
0.958		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3					**Direct Entry,**

Subcatchment 3P: PDA-3 (pervious)



Hydrograph for Subcatchment 3P: PDA-3 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.06
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.07
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.07
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.07
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.07
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.07
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.07
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.08
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.08
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.08
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.08
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.08
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.09
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.09
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.09
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.09
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.09
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.10
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.10
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.10
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.10
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.10
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.11
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.11
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.11
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.12
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.12
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.13
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.13
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.14
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.14
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.14
6.80	1.03	0.03	0.03	9.40	1.75	0.24	0.15
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.16
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.16
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.17
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.17
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.18
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.18
7.15	1.11	0.04	0.04	9.75	1.90	0.30	0.19
7.20	1.12	0.04	0.04	9.80	1.92	0.31	0.19
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.20
7.30	1.15	0.05	0.05	9.90	1.97	0.33	0.20
7.35	1.16	0.05	0.05	9.95	1.99	0.34	0.21
7.40	1.17	0.05	0.05	10.00	2.01	0.36	0.22
7.45	1.18	0.06	0.05	10.05	2.04	0.37	0.22
7.50	1.19	0.06	0.05	10.10	2.06	0.38	0.23
7.55	1.21	0.06	0.06	10.15	2.09	0.39	0.24
7.60	1.22	0.07	0.06	10.20	2.11	0.40	0.24
7.65	1.23	0.07	0.06	10.25	2.14	0.42	0.25
7.70	1.24	0.07	0.06	10.30	2.17	0.43	0.25
7.75	1.26	0.08	0.06	10.35	2.19	0.44	0.26

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.27	13.00	8.39	5.28	0.85
10.45	2.25	0.47	0.28	13.05	8.43	5.32	0.77
10.50	2.28	0.49	0.29	13.10	8.48	5.36	0.76
10.55	2.31	0.50	0.31	13.15	8.52	5.39	0.71
10.60	2.34	0.52	0.32	13.20	8.56	5.43	0.70
10.65	2.37	0.54	0.35	13.25	8.60	5.46	0.66
10.70	2.41	0.56	0.36	13.30	8.63	5.50	0.65
10.75	2.44	0.58	0.40	13.35	8.67	5.53	0.60
10.80	2.48	0.60	0.41	13.40	8.70	5.56	0.59
10.85	2.52	0.62	0.44	13.45	8.73	5.59	0.55
10.90	2.56	0.64	0.45	13.50	8.76	5.61	0.54
10.95	2.61	0.67	0.49	13.55	8.79	5.64	0.49
11.00	2.65	0.69	0.50	13.60	8.82	5.67	0.49
11.05	2.70	0.72	0.56	13.65	8.85	5.69	0.48
11.10	2.75	0.75	0.58	13.70	8.87	5.71	0.47
11.15	2.80	0.79	0.65	13.75	8.90	5.74	0.46
11.20	2.86	0.82	0.67	13.80	8.93	5.76	0.46
11.25	2.92	0.86	0.74	13.85	8.95	5.79	0.45
11.30	2.98	0.90	0.76	13.90	8.98	5.81	0.45
11.35	3.05	0.94	0.83	13.95	9.00	5.83	0.43
11.40	3.12	0.98	0.85	14.00	9.03	5.85	0.43
11.45	3.19	1.03	0.91	14.05	9.05	5.88	0.42
11.50	3.26	1.08	0.99	14.10	9.07	5.90	0.42
11.55	3.37	1.15	1.43	14.15	9.10	5.92	0.41
11.60	3.49	1.23	1.49	14.20	9.12	5.94	0.40
11.65	3.60	1.31	1.57	14.25	9.14	5.96	0.39
11.70	3.72	1.39	1.69	14.30	9.16	5.98	0.39
11.75	3.88	1.51	2.21	14.35	9.19	6.00	0.38
11.80	4.04	1.63	2.40	14.40	9.21	6.02	0.37
11.85	4.27	1.79	3.19	14.45	9.23	6.04	0.36
11.90	4.49	1.96	3.63	14.50	9.25	6.06	0.36
11.95	4.88	2.27	5.73	14.55	9.27	6.07	0.35
12.00	5.26	2.57	6.55	14.60	9.29	6.09	0.34
12.05	5.91	3.11	**10.13**	14.65	9.31	6.11	0.33
12.10	6.55	3.65	9.61	14.70	9.32	6.13	0.33
12.15	6.77	3.85	4.02	14.75	9.34	6.14	0.32
12.20	7.00	4.04	3.61	14.80	9.36	6.16	0.32
12.25	7.16	4.18	2.76	14.85	9.38	6.17	0.30
12.30	7.32	4.32	2.63	14.90	9.40	6.19	0.30
12.35	7.44	4.43	2.03	14.95	9.41	6.21	0.29
12.40	7.55	4.53	1.99	15.00	9.43	6.22	0.29
12.45	7.67	4.63	1.92	15.05	9.44	6.23	0.28
12.50	7.78	4.73	1.82	15.10	9.46	6.25	0.27
12.55	7.85	4.79	1.27	15.15	9.47	6.26	0.27
12.60	7.92	4.86	1.23	15.20	9.49	6.28	0.27
12.65	7.99	4.92	1.17	15.25	9.50	6.29	0.27
12.70	8.06	4.98	1.15	15.30	9.52	6.30	0.27
12.75	8.12	5.03	1.07	15.35	9.53	6.32	0.26
12.80	8.18	5.09	1.05	15.40	9.55	6.33	0.26
12.85	8.24	5.14	0.97	15.45	9.56	6.34	0.26
12.90	8.29	5.19	0.95	15.50	9.58	6.36	0.26
12.95	8.34	5.23	0.87	15.55	9.59	6.37	0.26

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.26	18.20	10.20	6.93	0.16
15.65	9.62	6.40	0.25	18.25	10.21	6.94	0.16
15.70	9.64	6.41	0.25	18.30	10.22	6.95	0.16
15.75	9.65	6.42	0.25	18.35	10.23	6.96	0.16
15.80	9.66	6.44	0.25	18.40	10.24	6.97	0.16
15.85	9.68	6.45	0.24	18.45	10.24	6.97	0.16
15.90	9.69	6.46	0.24	18.50	10.25	6.98	0.16
15.95	9.70	6.47	0.24	18.55	10.26	6.99	0.15
16.00	9.72	6.49	0.24	18.60	10.27	7.00	0.15
16.05	9.73	6.50	0.24	18.65	10.28	7.01	0.15
16.10	9.74	6.51	0.24	18.70	10.29	7.01	0.15
16.15	9.76	6.52	0.23	18.75	10.30	7.02	0.15
16.20	9.77	6.54	0.23	18.80	10.30	7.03	0.15
16.25	9.78	6.55	0.23	18.85	10.31	7.04	0.15
16.30	9.80	6.56	0.23	18.90	10.32	7.04	0.15
16.35	9.81	6.57	0.23	18.95	10.33	7.05	0.15
16.40	9.82	6.58	0.22	19.00	10.34	7.06	0.15
16.45	9.83	6.59	0.22	19.05	10.35	7.07	0.15
16.50	9.85	6.60	0.22	19.10	10.35	7.08	0.15
16.55	9.86	6.62	0.22	19.15	10.36	7.08	0.15
16.60	9.87	6.63	0.22	19.20	10.37	7.09	0.15
16.65	9.88	6.64	0.21	19.25	10.38	7.10	0.15
16.70	9.89	6.65	0.21	19.30	10.39	7.11	0.15
16.75	9.91	6.66	0.21	19.35	10.40	7.11	0.15
16.80	9.92	6.67	0.21	19.40	10.40	7.12	0.15
16.85	9.93	6.68	0.21	19.45	10.41	7.13	0.15
16.90	9.94	6.69	0.21	19.50	10.42	7.14	0.15
16.95	9.95	6.70	0.20	19.55	10.43	7.14	0.14
17.00	9.96	6.71	0.20	19.60	10.44	7.15	0.14
17.05	9.97	6.72	0.20	19.65	10.44	7.16	0.14
17.10	9.99	6.73	0.20	19.70	10.45	7.17	0.14
17.15	10.00	6.74	0.19	19.75	10.46	7.17	0.14
17.20	10.01	6.75	0.19	19.80	10.47	7.18	0.14
17.25	10.02	6.76	0.19	19.85	10.48	7.19	0.14
17.30	10.03	6.77	0.19	19.90	10.48	7.20	0.14
17.35	10.04	6.78	0.19	19.95	10.49	7.20	0.14
17.40	10.05	6.79	0.19	20.00	10.50	7.21	0.14
17.45	10.06	6.80	0.18	20.05	10.51	7.22	0.14
17.50	10.07	6.81	0.18	20.10	10.52	7.23	0.14
17.55	10.08	6.82	0.18	20.15	10.52	7.23	0.14
17.60	10.09	6.83	0.18	20.20	10.53	7.24	0.14
17.65	10.10	6.84	0.17	20.25	10.54	7.25	0.14
17.70	10.11	6.85	0.17	20.30	10.55	7.25	0.14
17.75	10.12	6.86	0.17	20.35	10.55	7.26	0.14
17.80	10.13	6.87	0.17	20.40	10.56	7.27	0.14
17.85	10.14	6.87	0.17	20.45	10.57	7.28	0.14
17.90	10.15	6.88	0.17	20.50	10.58	7.28	0.14
17.95	10.16	6.89	0.16	20.55	10.58	7.29	0.14
18.00	10.17	6.90	0.16	20.60	10.59	7.30	0.14
18.05	10.17	6.91	0.16	20.65	10.60	7.30	0.13
18.10	10.18	6.92	0.16	20.70	10.61	7.31	0.13
18.15	10.19	6.92	0.16	20.75	10.61	7.32	0.13

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.13	23.40	10.97	7.65	0.11
20.85	10.63	7.33	0.13	23.45	10.97	7.65	0.11
20.90	10.64	7.34	0.13	23.50	10.98	7.66	0.11
20.95	10.64	7.34	0.13	23.55	10.99	7.66	0.11
21.00	10.65	7.35	0.13	23.60	10.99	7.67	0.11
21.05	10.66	7.36	0.13	23.65	11.00	7.67	0.11
21.10	10.66	7.36	0.13	23.70	11.00	7.68	0.11
21.15	10.67	7.37	0.13	23.75	11.01	7.69	0.10
21.20	10.68	7.38	0.13	23.80	11.01	7.69	0.10
21.25	10.69	7.38	0.13	23.85	11.02	7.70	0.10
21.30	10.69	7.39	0.13	23.90	11.03	7.70	0.11
21.35	10.70	7.40	0.13	23.95	11.03	7.71	0.13
21.40	10.71	7.40	0.13	24.00	**11.04**	**7.72**	0.11
21.45	10.71	7.41	0.13	24.05	11.04	7.72	0.01
21.50	10.72	7.42	0.13	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.13	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.13	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.12	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.12	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.12	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.12	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.12	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.12	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.12	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.12	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.12	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.12	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.12	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.12	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.12	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.12	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.12	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.12	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.12	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.12	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.12	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.12	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.11	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.11	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.11	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.11	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.11	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.11	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.11	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.11	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.11	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.11	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.11	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.11	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.11	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.11	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.11	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 3P: PDA-3 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 4AI: PDA-4A (impervious)

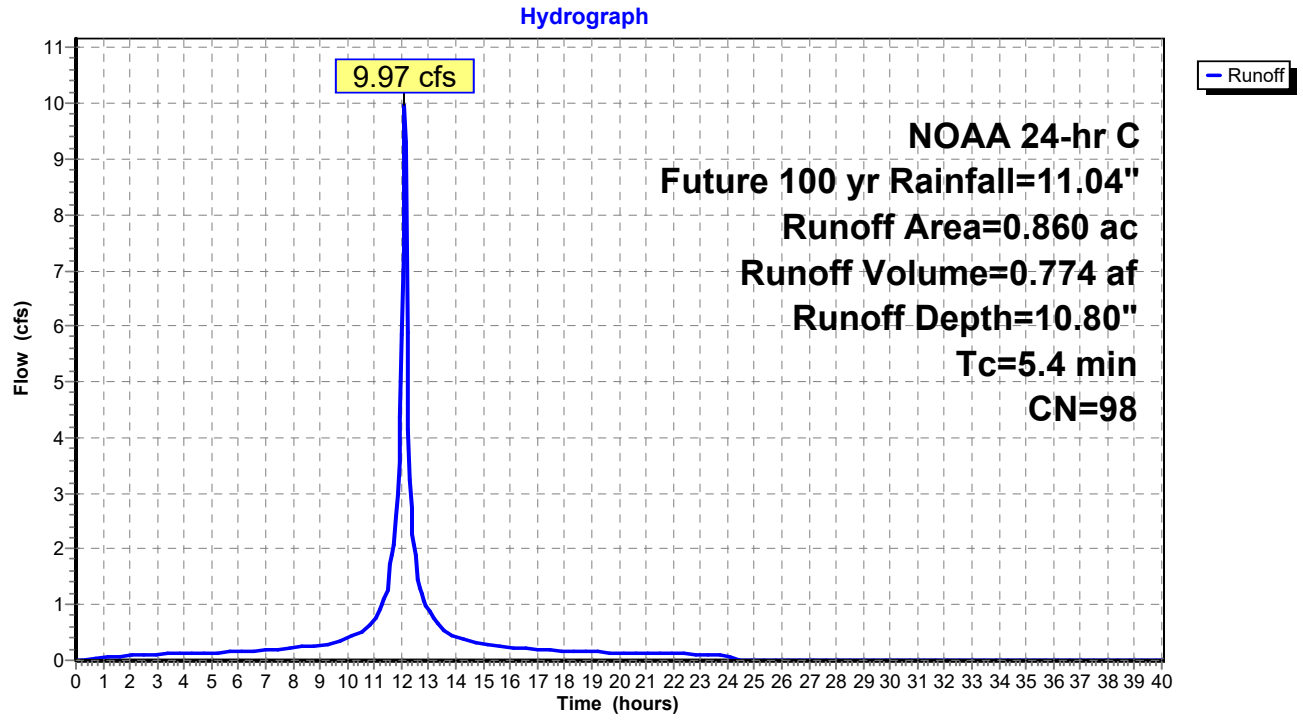
Runoff = 9.97 cfs @ 12.12 hrs, Volume= 0.774 af, Depth=10.80"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry, 5.4**

Subcatchment 4AI: PDA-4A (impervious)



Hydrograph for Subcatchment 4AI: PDA-4A (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.10
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.10
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.10
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.10
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.10
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.11
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.11
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.11
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.11
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.11
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.11
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.11
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.11
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.11
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.11
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.11
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.11
0.85	0.10	0.01	0.04	3.45	0.46	0.28	0.11
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.12
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.12
1.00	0.12	0.02	0.05	3.60	0.48	0.30	0.12
1.05	0.13	0.03	0.05	3.65	0.49	0.31	0.12
1.10	0.13	0.03	0.05	3.70	0.49	0.31	0.12
1.15	0.14	0.03	0.06	3.75	0.50	0.32	0.12
1.20	0.15	0.04	0.06	3.80	0.51	0.33	0.12
1.25	0.15	0.04	0.06	3.85	0.52	0.33	0.12
1.30	0.16	0.04	0.06	3.90	0.52	0.34	0.12
1.35	0.16	0.05	0.06	3.95	0.53	0.35	0.12
1.40	0.17	0.05	0.07	4.00	0.54	0.35	0.12
1.45	0.18	0.05	0.07	4.05	0.55	0.36	0.12
1.50	0.18	0.06	0.07	4.10	0.56	0.37	0.12
1.55	0.19	0.06	0.07	4.15	0.56	0.38	0.12
1.60	0.20	0.07	0.07	4.20	0.57	0.38	0.13
1.65	0.20	0.07	0.08	4.25	0.58	0.39	0.13
1.70	0.21	0.08	0.08	4.30	0.59	0.40	0.13
1.75	0.22	0.08	0.08	4.35	0.60	0.41	0.13
1.80	0.22	0.09	0.08	4.40	0.60	0.41	0.13
1.85	0.23	0.09	0.08	4.45	0.61	0.42	0.13
1.90	0.24	0.10	0.08	4.50	0.62	0.43	0.13
1.95	0.24	0.10	0.08	4.55	0.63	0.44	0.13
2.00	0.25	0.11	0.09	4.60	0.64	0.44	0.13
2.05	0.26	0.11	0.09	4.65	0.64	0.45	0.13
2.10	0.26	0.12	0.09	4.70	0.65	0.46	0.13
2.15	0.27	0.12	0.09	4.75	0.66	0.47	0.13
2.20	0.28	0.13	0.09	4.80	0.67	0.47	0.13
2.25	0.28	0.13	0.09	4.85	0.68	0.48	0.13
2.30	0.29	0.14	0.09	4.90	0.69	0.49	0.13
2.35	0.30	0.14	0.09	4.95	0.69	0.50	0.14
2.40	0.30	0.15	0.10	5.00	0.70	0.51	0.14
2.45	0.31	0.15	0.10	5.05	0.71	0.51	0.14
2.50	0.32	0.16	0.10	5.10	0.72	0.52	0.14
2.55	0.33	0.17	0.10	5.15	0.73	0.53	0.14

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.14	7.80	1.27	1.05	0.22
5.25	0.74	0.55	0.14	7.85	1.28	1.07	0.22
5.30	0.75	0.55	0.14	7.90	1.30	1.08	0.22
5.35	0.76	0.56	0.14	7.95	1.31	1.09	0.22
5.40	0.77	0.57	0.14	8.00	1.32	1.11	0.23
5.45	0.78	0.58	0.14	8.05	1.34	1.12	0.23
5.50	0.79	0.59	0.14	8.10	1.35	1.13	0.23
5.55	0.80	0.59	0.14	8.15	1.36	1.15	0.23
5.60	0.80	0.60	0.14	8.20	1.38	1.16	0.23
5.65	0.81	0.61	0.14	8.25	1.39	1.17	0.23
5.70	0.82	0.62	0.14	8.30	1.40	1.19	0.24
5.75	0.83	0.63	0.14	8.35	1.42	1.20	0.24
5.80	0.84	0.64	0.15	8.40	1.43	1.21	0.24
5.85	0.85	0.64	0.15	8.45	1.45	1.23	0.24
5.90	0.86	0.65	0.15	8.50	1.46	1.24	0.24
5.95	0.87	0.66	0.15	8.55	1.48	1.26	0.25
6.00	0.87	0.67	0.15	8.60	1.49	1.27	0.25
6.05	0.88	0.68	0.15	8.65	1.51	1.29	0.25
6.10	0.89	0.69	0.15	8.70	1.52	1.30	0.25
6.15	0.90	0.70	0.15	8.75	1.54	1.32	0.25
6.20	0.91	0.71	0.15	8.80	1.55	1.33	0.26
6.25	0.92	0.71	0.16	8.85	1.57	1.35	0.26
6.30	0.93	0.72	0.16	8.90	1.58	1.36	0.26
6.35	0.94	0.73	0.16	8.95	1.60	1.38	0.26
6.40	0.95	0.74	0.16	9.00	1.61	1.39	0.26
6.45	0.96	0.75	0.16	9.05	1.63	1.41	0.27
6.50	0.97	0.76	0.17	9.10	1.64	1.42	0.27
6.55	0.98	0.77	0.17	9.15	1.66	1.44	0.28
6.60	0.99	0.78	0.17	9.20	1.68	1.46	0.29
6.65	1.00	0.79	0.17	9.25	1.70	1.47	0.30
6.70	1.01	0.80	0.17	9.30	1.72	1.49	0.30
6.75	1.02	0.81	0.18	9.35	1.73	1.51	0.31
6.80	1.03	0.82	0.18	9.40	1.75	1.53	0.32
6.85	1.04	0.83	0.18	9.45	1.77	1.55	0.32
6.90	1.05	0.84	0.18	9.50	1.79	1.57	0.33
6.95	1.07	0.85	0.18	9.55	1.81	1.59	0.34
7.00	1.08	0.87	0.19	9.60	1.83	1.61	0.35
7.05	1.09	0.88	0.19	9.65	1.85	1.63	0.35
7.10	1.10	0.89	0.19	9.70	1.88	1.65	0.36
7.15	1.11	0.90	0.19	9.75	1.90	1.67	0.37
7.20	1.12	0.91	0.19	9.80	1.92	1.69	0.37
7.25	1.13	0.92	0.20	9.85	1.94	1.72	0.38
7.30	1.15	0.93	0.20	9.90	1.97	1.74	0.39
7.35	1.16	0.94	0.20	9.95	1.99	1.76	0.40
7.40	1.17	0.96	0.20	10.00	2.01	1.79	0.40
7.45	1.18	0.97	0.20	10.05	2.04	1.81	0.41
7.50	1.19	0.98	0.21	10.10	2.06	1.84	0.42
7.55	1.21	0.99	0.21	10.15	2.09	1.86	0.42
7.60	1.22	1.00	0.21	10.20	2.11	1.89	0.43
7.65	1.23	1.02	0.21	10.25	2.14	1.91	0.44
7.70	1.24	1.03	0.21	10.30	2.17	1.94	0.45
7.75	1.26	1.04	0.21	10.35	2.19	1.97	0.45

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.46	13.00	8.39	8.15	0.89
10.45	2.25	2.02	0.47	13.05	8.43	8.19	0.85
10.50	2.28	2.05	0.48	13.10	8.48	8.24	0.79
10.55	2.31	2.08	0.49	13.15	8.52	8.28	0.75
10.60	2.34	2.11	0.52	13.20	8.56	8.32	0.72
10.65	2.37	2.14	0.54	13.25	8.60	8.36	0.70
10.70	2.41	2.18	0.57	13.30	8.63	8.39	0.67
10.75	2.44	2.21	0.60	13.35	8.67	8.43	0.64
10.80	2.48	2.25	0.63	13.40	8.70	8.46	0.61
10.85	2.52	2.29	0.65	13.45	8.73	8.49	0.59
10.90	2.56	2.33	0.68	13.50	8.76	8.52	0.56
10.95	2.61	2.38	0.71	13.55	8.79	8.55	0.53
11.00	2.65	2.42	0.74	13.60	8.82	8.58	0.50
11.05	2.70	2.47	0.77	13.65	8.85	8.61	0.49
11.10	2.75	2.52	0.83	13.70	8.87	8.63	0.47
11.15	2.80	2.57	0.87	13.75	8.90	8.66	0.47
11.20	2.86	2.63	0.93	13.80	8.93	8.69	0.46
11.25	2.92	2.69	0.97	13.85	8.95	8.71	0.45
11.30	2.98	2.75	1.03	13.90	8.98	8.74	0.45
11.35	3.05	2.82	1.08	13.95	9.00	8.76	0.44
11.40	3.12	2.89	1.13	14.00	9.03	8.79	0.43
11.45	3.19	2.96	1.17	14.05	9.05	8.81	0.42
11.50	3.26	3.03	1.22	14.10	9.07	8.83	0.42
11.55	3.37	3.14	1.38	14.15	9.10	8.86	0.41
11.60	3.49	3.25	1.73	14.20	9.12	8.88	0.40
11.65	3.60	3.37	1.90	14.25	9.14	8.90	0.40
11.70	3.72	3.49	1.99	14.30	9.16	8.92	0.39
11.75	3.88	3.65	2.18	14.35	9.19	8.95	0.38
11.80	4.04	3.81	2.57	14.40	9.21	8.97	0.37
11.85	4.27	4.03	2.96	14.45	9.23	8.99	0.37
11.90	4.49	4.25	3.55	14.50	9.25	9.01	0.36
11.95	4.88	4.64	4.38	14.55	9.27	9.03	0.35
12.00	5.26	5.02	5.86	14.60	9.29	9.05	0.34
12.05	5.91	5.67	7.40	14.65	9.31	9.07	0.34
12.10	6.55	6.31	**9.82**	14.70	9.32	9.08	0.33
12.15	6.77	6.53	9.30	14.75	9.34	9.10	0.32
12.20	7.00	6.76	5.88	14.80	9.36	9.12	0.32
12.25	7.16	6.92	4.16	14.85	9.38	9.14	0.31
12.30	7.32	7.08	3.23	14.90	9.40	9.15	0.30
12.35	7.44	7.20	2.74	14.95	9.41	9.17	0.29
12.40	7.55	7.31	2.27	15.00	9.43	9.19	0.29
12.45	7.67	7.43	2.07	15.05	9.44	9.20	0.28
12.50	7.78	7.54	1.98	15.10	9.46	9.22	0.27
12.55	7.85	7.61	1.80	15.15	9.47	9.23	0.27
12.60	7.92	7.68	1.45	15.20	9.49	9.25	0.27
12.65	7.99	7.75	1.28	15.25	9.50	9.26	0.26
12.70	8.06	7.82	1.20	15.30	9.52	9.28	0.26
12.75	8.12	7.88	1.16	15.35	9.53	9.29	0.26
12.80	8.18	7.94	1.10	15.40	9.55	9.31	0.26
12.85	8.24	8.00	1.05	15.45	9.56	9.32	0.26
12.90	8.29	8.05	1.00	15.50	9.58	9.34	0.25
12.95	8.34	8.10	0.95	15.55	9.59	9.35	0.25

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.25	18.20	10.20	9.96	0.15
15.65	9.62	9.38	0.25	18.25	10.21	9.97	0.15
15.70	9.64	9.39	0.25	18.30	10.22	9.98	0.15
15.75	9.65	9.41	0.24	18.35	10.23	9.99	0.15
15.80	9.66	9.42	0.24	18.40	10.24	9.99	0.15
15.85	9.68	9.44	0.24	18.45	10.24	10.00	0.15
15.90	9.69	9.45	0.24	18.50	10.25	10.01	0.15
15.95	9.70	9.46	0.24	18.55	10.26	10.02	0.15
16.00	9.72	9.48	0.23	18.60	10.27	10.03	0.15
16.05	9.73	9.49	0.23	18.65	10.28	10.04	0.15
16.10	9.74	9.50	0.23	18.70	10.29	10.05	0.15
16.15	9.76	9.52	0.23	18.75	10.30	10.05	0.15
16.20	9.77	9.53	0.23	18.80	10.30	10.06	0.15
16.25	9.78	9.54	0.23	18.85	10.31	10.07	0.15
16.30	9.80	9.55	0.22	18.90	10.32	10.08	0.15
16.35	9.81	9.57	0.22	18.95	10.33	10.09	0.15
16.40	9.82	9.58	0.22	19.00	10.34	10.10	0.15
16.45	9.83	9.59	0.22	19.05	10.35	10.11	0.15
16.50	9.85	9.60	0.22	19.10	10.35	10.11	0.14
16.55	9.86	9.62	0.21	19.15	10.36	10.12	0.14
16.60	9.87	9.63	0.21	19.20	10.37	10.13	0.14
16.65	9.88	9.64	0.21	19.25	10.38	10.14	0.14
16.70	9.89	9.65	0.21	19.30	10.39	10.15	0.14
16.75	9.91	9.66	0.21	19.35	10.40	10.15	0.14
16.80	9.92	9.68	0.20	19.40	10.40	10.16	0.14
16.85	9.93	9.69	0.20	19.45	10.41	10.17	0.14
16.90	9.94	9.70	0.20	19.50	10.42	10.18	0.14
16.95	9.95	9.71	0.20	19.55	10.43	10.19	0.14
17.00	9.96	9.72	0.20	19.60	10.44	10.20	0.14
17.05	9.97	9.73	0.20	19.65	10.44	10.20	0.14
17.10	9.99	9.74	0.19	19.70	10.45	10.21	0.14
17.15	10.00	9.76	0.19	19.75	10.46	10.22	0.14
17.20	10.01	9.77	0.19	19.80	10.47	10.23	0.14
17.25	10.02	9.78	0.19	19.85	10.48	10.24	0.14
17.30	10.03	9.79	0.19	19.90	10.48	10.24	0.14
17.35	10.04	9.80	0.18	19.95	10.49	10.25	0.14
17.40	10.05	9.81	0.18	20.00	10.50	10.26	0.14
17.45	10.06	9.82	0.18	20.05	10.51	10.27	0.14
17.50	10.07	9.83	0.18	20.10	10.52	10.27	0.14
17.55	10.08	9.84	0.18	20.15	10.52	10.28	0.13
17.60	10.09	9.85	0.17	20.20	10.53	10.29	0.13
17.65	10.10	9.86	0.17	20.25	10.54	10.30	0.13
17.70	10.11	9.87	0.17	20.30	10.55	10.31	0.13
17.75	10.12	9.88	0.17	20.35	10.55	10.31	0.13
17.80	10.13	9.89	0.17	20.40	10.56	10.32	0.13
17.85	10.14	9.90	0.17	20.45	10.57	10.33	0.13
17.90	10.15	9.91	0.16	20.50	10.58	10.34	0.13
17.95	10.16	9.92	0.16	20.55	10.58	10.34	0.13
18.00	10.17	9.92	0.16	20.60	10.59	10.35	0.13
18.05	10.17	9.93	0.16	20.65	10.60	10.36	0.13
18.10	10.18	9.94	0.16	20.70	10.61	10.37	0.13
18.15	10.19	9.95	0.15	20.75	10.61	10.37	0.13

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.13	23.40	10.97	10.73	0.10
20.85	10.63	10.39	0.13	23.45	10.97	10.73	0.10
20.90	10.64	10.39	0.13	23.50	10.98	10.74	0.10
20.95	10.64	10.40	0.13	23.55	10.99	10.74	0.10
21.00	10.65	10.41	0.13	23.60	10.99	10.75	0.10
21.05	10.66	10.42	0.13	23.65	11.00	10.76	0.10
21.10	10.66	10.42	0.13	23.70	11.00	10.76	0.10
21.15	10.67	10.43	0.13	23.75	11.01	10.77	0.10
21.20	10.68	10.44	0.12	23.80	11.01	10.77	0.10
21.25	10.69	10.45	0.12	23.85	11.02	10.78	0.10
21.30	10.69	10.45	0.12	23.90	11.03	10.78	0.10
21.35	10.70	10.46	0.12	23.95	11.03	10.79	0.10
21.40	10.71	10.47	0.12	24.00	**11.04**	**10.80**	0.12
21.45	10.71	10.47	0.12	24.05	11.04	10.80	0.10
21.50	10.72	10.48	0.12	24.10	11.04	10.80	0.03
21.55	10.73	10.49	0.12	24.15	11.04	10.80	0.01
21.60	10.74	10.49	0.12	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.12	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.12	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.12	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.12	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.12	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.12	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.12	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.12	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.12	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.12	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.12	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.12	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.12	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.11	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.11	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.11	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.11	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.11	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.11	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.11	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.11	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.11	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.11	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.11	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.11	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.11	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.11	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.11	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.11	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.11	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.11	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.11	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.11	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.10	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.10	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 4AI: PDA-4A (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 4AP: PDA-4A (pervious)

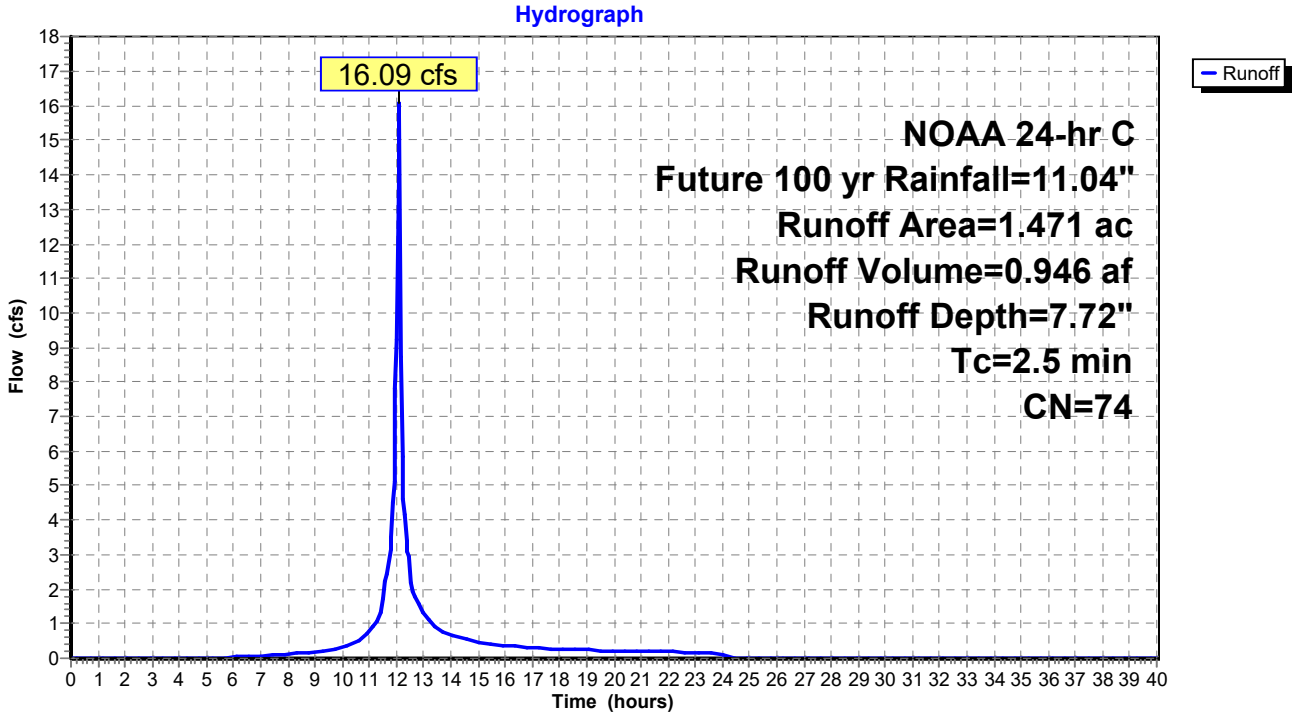
Runoff = 16.09 cfs @ 12.09 hrs, Volume= 0.946 af, Depth= 7.72"
Routed to Pond B-4A : Basin #4A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 4AP: PDA-4A (pervious)



Hydrograph for Subcatchment 4AP: PDA-4A (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.10
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.10
5.30	0.75	0.00	0.01	7.90	1.30	0.09	0.10
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.11
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.11
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.11
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.11
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.12
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.12
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.12
5.70	0.82	0.00	0.02	8.30	1.40	0.12	0.12
5.75	0.83	0.00	0.02	8.35	1.42	0.12	0.13
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.13
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.13
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.14
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.14
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.14
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.15
6.10	0.89	0.01	0.03	8.70	1.52	0.15	0.15
6.15	0.90	0.01	0.03	8.75	1.54	0.16	0.15
6.20	0.91	0.01	0.03	8.80	1.55	0.16	0.15
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.16
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.16
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.17
6.40	0.95	0.02	0.04	9.00	1.61	0.19	0.17
6.45	0.96	0.02	0.04	9.05	1.63	0.19	0.18
6.50	0.97	0.02	0.04	9.10	1.64	0.20	0.18
6.55	0.98	0.02	0.04	9.15	1.66	0.21	0.19
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.20
6.65	1.00	0.02	0.05	9.25	1.70	0.22	0.20
6.70	1.01	0.02	0.05	9.30	1.72	0.23	0.21
6.75	1.02	0.03	0.05	9.35	1.73	0.23	0.22
6.80	1.03	0.03	0.05	9.40	1.75	0.24	0.22
6.85	1.04	0.03	0.05	9.45	1.77	0.25	0.23
6.90	1.05	0.03	0.05	9.50	1.79	0.26	0.24
6.95	1.07	0.03	0.06	9.55	1.81	0.27	0.25
7.00	1.08	0.04	0.06	9.60	1.83	0.28	0.26
7.05	1.09	0.04	0.06	9.65	1.85	0.28	0.27
7.10	1.10	0.04	0.06	9.70	1.88	0.29	0.27
7.15	1.11	0.04	0.07	9.75	1.90	0.30	0.28
7.20	1.12	0.04	0.07	9.80	1.92	0.31	0.29
7.25	1.13	0.05	0.07	9.85	1.94	0.32	0.30
7.30	1.15	0.05	0.07	9.90	1.97	0.33	0.31
7.35	1.16	0.05	0.08	9.95	1.99	0.34	0.32
7.40	1.17	0.05	0.08	10.00	2.01	0.36	0.33
7.45	1.18	0.06	0.08	10.05	2.04	0.37	0.34
7.50	1.19	0.06	0.08	10.10	2.06	0.38	0.35
7.55	1.21	0.06	0.08	10.15	2.09	0.39	0.36
7.60	1.22	0.07	0.09	10.20	2.11	0.40	0.37
7.65	1.23	0.07	0.09	10.25	2.14	0.42	0.38
7.70	1.24	0.07	0.09	10.30	2.17	0.43	0.39
7.75	1.26	0.08	0.09	10.35	2.19	0.44	0.40

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.41	13.00	8.39	5.28	1.33
10.45	2.25	0.47	0.42	13.05	8.43	5.32	1.22
10.50	2.28	0.49	0.43	13.10	8.48	5.36	1.17
10.55	2.31	0.50	0.47	13.15	8.52	5.39	1.11
10.60	2.34	0.52	0.49	13.20	8.56	5.43	1.09
10.65	2.37	0.54	0.53	13.25	8.60	5.46	1.03
10.70	2.41	0.56	0.55	13.30	8.63	5.50	1.00
10.75	2.44	0.58	0.59	13.35	8.67	5.53	0.94
10.80	2.48	0.60	0.62	13.40	8.70	5.56	0.92
10.85	2.52	0.62	0.66	13.45	8.73	5.59	0.86
10.90	2.56	0.64	0.68	13.50	8.76	5.61	0.84
10.95	2.61	0.67	0.73	13.55	8.79	5.64	0.78
11.00	2.65	0.69	0.76	13.60	8.82	5.67	0.75
11.05	2.70	0.72	0.84	13.65	8.85	5.69	0.74
11.10	2.75	0.75	0.88	13.70	8.87	5.71	0.73
11.15	2.80	0.79	0.96	13.75	8.90	5.74	0.71
11.20	2.86	0.82	1.01	13.80	8.93	5.76	0.71
11.25	2.92	0.86	1.10	13.85	8.95	5.79	0.69
11.30	2.98	0.90	1.14	13.90	8.98	5.81	0.69
11.35	3.05	0.94	1.24	13.95	9.00	5.83	0.67
11.40	3.12	0.98	1.29	14.00	9.03	5.85	0.66
11.45	3.19	1.03	1.37	14.05	9.05	5.88	0.65
11.50	3.26	1.08	1.43	14.10	9.07	5.90	0.64
11.55	3.37	1.15	1.99	14.15	9.10	5.92	0.63
11.60	3.49	1.23	2.24	14.20	9.12	5.94	0.62
11.65	3.60	1.31	2.37	14.25	9.14	5.96	0.61
11.70	3.72	1.39	2.47	14.30	9.16	5.98	0.60
11.75	3.88	1.51	3.15	14.35	9.19	6.00	0.58
11.80	4.04	1.63	3.50	14.40	9.21	6.02	0.58
11.85	4.27	1.79	4.53	14.45	9.23	6.04	0.56
11.90	4.49	1.96	5.10	14.50	9.25	6.06	0.56
11.95	4.88	2.27	7.82	14.55	9.27	6.07	0.54
12.00	5.26	2.57	9.22	14.60	9.29	6.09	0.53
12.05	5.91	3.11	13.87	14.65	9.31	6.11	0.52
12.10	6.55	3.65	**15.72**	14.70	9.32	6.13	0.51
12.15	6.77	3.85	8.73	14.75	9.34	6.14	0.50
12.20	7.00	4.04	5.86	14.80	9.36	6.16	0.49
12.25	7.16	4.18	4.63	14.85	9.38	6.17	0.47
12.30	7.32	4.32	4.18	14.90	9.40	6.19	0.47
12.35	7.44	4.43	3.39	14.95	9.41	6.21	0.45
12.40	7.55	4.53	3.09	15.00	9.43	6.22	0.44
12.45	7.67	4.63	2.98	15.05	9.44	6.23	0.43
12.50	7.78	4.73	2.91	15.10	9.46	6.25	0.42
12.55	7.85	4.79	2.20	15.15	9.47	6.26	0.42
12.60	7.92	4.86	1.92	15.20	9.49	6.28	0.41
12.65	7.99	4.92	1.82	15.25	9.50	6.29	0.41
12.70	8.06	4.98	1.79	15.30	9.52	6.30	0.41
12.75	8.12	5.03	1.68	15.35	9.53	6.32	0.41
12.80	8.18	5.09	1.64	15.40	9.55	6.33	0.40
12.85	8.24	5.14	1.53	15.45	9.56	6.34	0.40
12.90	8.29	5.19	1.48	15.50	9.58	6.36	0.40
12.95	8.34	5.23	1.37	15.55	9.59	6.37	0.39

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.39	18.20	10.20	6.93	0.24
15.65	9.62	6.40	0.39	18.25	10.21	6.94	0.24
15.70	9.64	6.41	0.39	18.30	10.22	6.95	0.24
15.75	9.65	6.42	0.38	18.35	10.23	6.96	0.24
15.80	9.66	6.44	0.38	18.40	10.24	6.97	0.24
15.85	9.68	6.45	0.38	18.45	10.24	6.97	0.24
15.90	9.69	6.46	0.38	18.50	10.25	6.98	0.24
15.95	9.70	6.47	0.37	18.55	10.26	6.99	0.24
16.00	9.72	6.49	0.37	18.60	10.27	7.00	0.24
16.05	9.73	6.50	0.36	18.65	10.28	7.01	0.24
16.10	9.74	6.51	0.36	18.70	10.29	7.01	0.24
16.15	9.76	6.52	0.36	18.75	10.30	7.02	0.23
16.20	9.77	6.54	0.36	18.80	10.30	7.03	0.23
16.25	9.78	6.55	0.35	18.85	10.31	7.04	0.23
16.30	9.80	6.56	0.35	18.90	10.32	7.04	0.23
16.35	9.81	6.57	0.35	18.95	10.33	7.05	0.23
16.40	9.82	6.58	0.35	19.00	10.34	7.06	0.23
16.45	9.83	6.59	0.34	19.05	10.35	7.07	0.23
16.50	9.85	6.60	0.34	19.10	10.35	7.08	0.23
16.55	9.86	6.62	0.34	19.15	10.36	7.08	0.23
16.60	9.87	6.63	0.33	19.20	10.37	7.09	0.23
16.65	9.88	6.64	0.33	19.25	10.38	7.10	0.23
16.70	9.89	6.65	0.33	19.30	10.39	7.11	0.23
16.75	9.91	6.66	0.32	19.35	10.40	7.11	0.23
16.80	9.92	6.67	0.32	19.40	10.40	7.12	0.23
16.85	9.93	6.68	0.32	19.45	10.41	7.13	0.22
16.90	9.94	6.69	0.32	19.50	10.42	7.14	0.22
16.95	9.95	6.70	0.31	19.55	10.43	7.14	0.22
17.00	9.96	6.71	0.31	19.60	10.44	7.15	0.22
17.05	9.97	6.72	0.31	19.65	10.44	7.16	0.22
17.10	9.99	6.73	0.30	19.70	10.45	7.17	0.22
17.15	10.00	6.74	0.30	19.75	10.46	7.17	0.22
17.20	10.01	6.75	0.30	19.80	10.47	7.18	0.22
17.25	10.02	6.76	0.29	19.85	10.48	7.19	0.22
17.30	10.03	6.77	0.29	19.90	10.48	7.20	0.22
17.35	10.04	6.78	0.29	19.95	10.49	7.20	0.22
17.40	10.05	6.79	0.29	20.00	10.50	7.21	0.22
17.45	10.06	6.80	0.28	20.05	10.51	7.22	0.22
17.50	10.07	6.81	0.28	20.10	10.52	7.23	0.21
17.55	10.08	6.82	0.28	20.15	10.52	7.23	0.21
17.60	10.09	6.83	0.27	20.20	10.53	7.24	0.21
17.65	10.10	6.84	0.27	20.25	10.54	7.25	0.21
17.70	10.11	6.85	0.27	20.30	10.55	7.25	0.21
17.75	10.12	6.86	0.26	20.35	10.55	7.26	0.21
17.80	10.13	6.87	0.26	20.40	10.56	7.27	0.21
17.85	10.14	6.87	0.26	20.45	10.57	7.28	0.21
17.90	10.15	6.88	0.26	20.50	10.58	7.28	0.21
17.95	10.16	6.89	0.25	20.55	10.58	7.29	0.21
18.00	10.17	6.90	0.25	20.60	10.59	7.30	0.21
18.05	10.17	6.91	0.25	20.65	10.60	7.30	0.21
18.10	10.18	6.92	0.24	20.70	10.61	7.31	0.21
18.15	10.19	6.92	0.24	20.75	10.61	7.32	0.20

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.20	23.40	10.97	7.65	0.17
20.85	10.63	7.33	0.20	23.45	10.97	7.65	0.16
20.90	10.64	7.34	0.20	23.50	10.98	7.66	0.16
20.95	10.64	7.34	0.20	23.55	10.99	7.66	0.16
21.00	10.65	7.35	0.20	23.60	10.99	7.67	0.16
21.05	10.66	7.36	0.20	23.65	11.00	7.67	0.16
21.10	10.66	7.36	0.20	23.70	11.00	7.68	0.16
21.15	10.67	7.37	0.20	23.75	11.01	7.69	0.16
21.20	10.68	7.38	0.20	23.80	11.01	7.69	0.16
21.25	10.69	7.38	0.20	23.85	11.02	7.70	0.16
21.30	10.69	7.39	0.20	23.90	11.03	7.70	0.16
21.35	10.70	7.40	0.20	23.95	11.03	7.71	0.19
21.40	10.71	7.40	0.20	24.00	**11.04**	**7.72**	0.19
21.45	10.71	7.41	0.19	24.05	11.04	7.72	0.06
21.50	10.72	7.42	0.19	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.19	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.19	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.19	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.19	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.19	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.19	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.19	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.19	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.19	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.19	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.19	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.18	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.18	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.18	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.18	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.18	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.18	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.18	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.18	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.18	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.18	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.18	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.18	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.18	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.17	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.17	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.17	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.17	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.17	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.17	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.17	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.17	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.17	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.17	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.17	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.17	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.17	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 4AP: PDA-4A (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 4BI: PDA-4B (impervious)

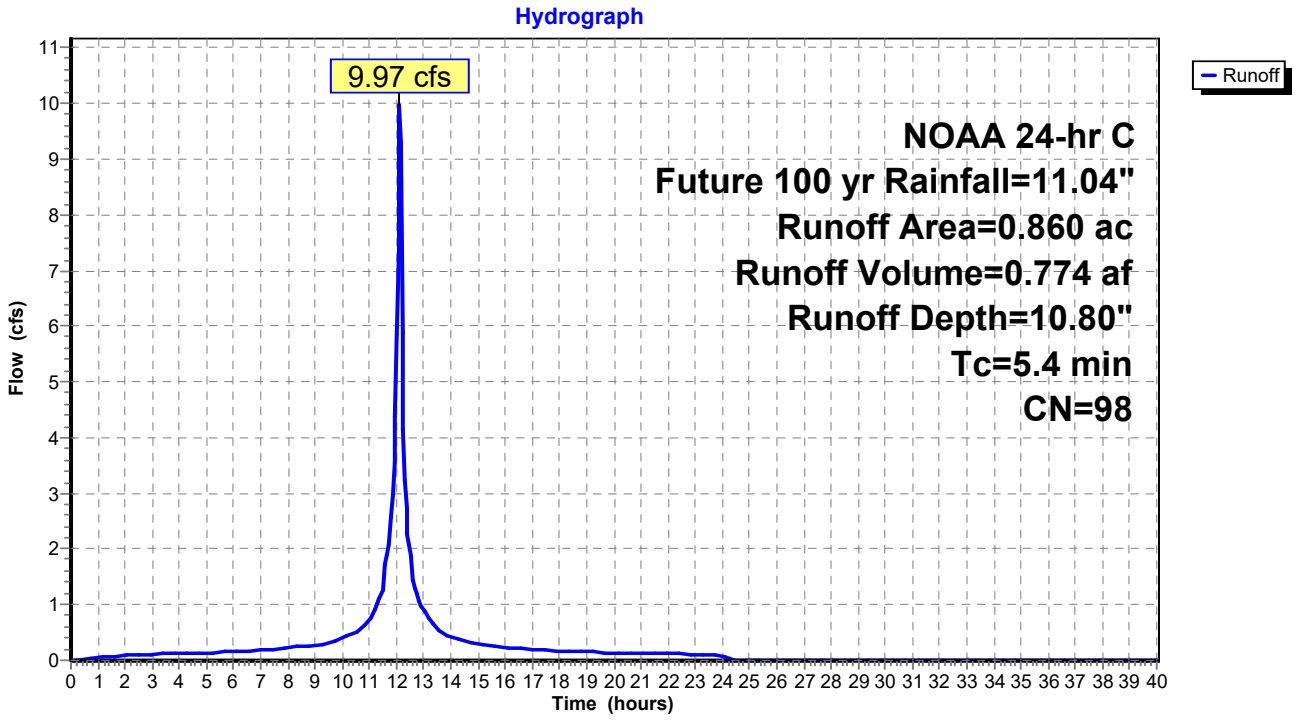
Runoff = 9.97 cfs @ 12.12 hrs, Volume= 0.774 af, Depth=10.80"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.742	98	Pavement, HSG C
*	0.118	98	Concrete, HSG C
	0.860	98	Weighted Average
	0.860		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4					**Direct Entry,**

Subcatchment 4BI: PDA-4B (impervious)



Hydrograph for Subcatchment 4BI: PDA-4B (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.10
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.10
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.10
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.10
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.10
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.11
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.11
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.11
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.11
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.11
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.11
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.11
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.11
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.11
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.11
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.11
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.11
0.85	0.10	0.01	0.04	3.45	0.46	0.28	0.11
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.12
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.12
1.00	0.12	0.02	0.05	3.60	0.48	0.30	0.12
1.05	0.13	0.03	0.05	3.65	0.49	0.31	0.12
1.10	0.13	0.03	0.05	3.70	0.49	0.31	0.12
1.15	0.14	0.03	0.06	3.75	0.50	0.32	0.12
1.20	0.15	0.04	0.06	3.80	0.51	0.33	0.12
1.25	0.15	0.04	0.06	3.85	0.52	0.33	0.12
1.30	0.16	0.04	0.06	3.90	0.52	0.34	0.12
1.35	0.16	0.05	0.06	3.95	0.53	0.35	0.12
1.40	0.17	0.05	0.07	4.00	0.54	0.35	0.12
1.45	0.18	0.05	0.07	4.05	0.55	0.36	0.12
1.50	0.18	0.06	0.07	4.10	0.56	0.37	0.12
1.55	0.19	0.06	0.07	4.15	0.56	0.38	0.12
1.60	0.20	0.07	0.07	4.20	0.57	0.38	0.13
1.65	0.20	0.07	0.08	4.25	0.58	0.39	0.13
1.70	0.21	0.08	0.08	4.30	0.59	0.40	0.13
1.75	0.22	0.08	0.08	4.35	0.60	0.41	0.13
1.80	0.22	0.09	0.08	4.40	0.60	0.41	0.13
1.85	0.23	0.09	0.08	4.45	0.61	0.42	0.13
1.90	0.24	0.10	0.08	4.50	0.62	0.43	0.13
1.95	0.24	0.10	0.08	4.55	0.63	0.44	0.13
2.00	0.25	0.11	0.09	4.60	0.64	0.44	0.13
2.05	0.26	0.11	0.09	4.65	0.64	0.45	0.13
2.10	0.26	0.12	0.09	4.70	0.65	0.46	0.13
2.15	0.27	0.12	0.09	4.75	0.66	0.47	0.13
2.20	0.28	0.13	0.09	4.80	0.67	0.47	0.13
2.25	0.28	0.13	0.09	4.85	0.68	0.48	0.13
2.30	0.29	0.14	0.09	4.90	0.69	0.49	0.13
2.35	0.30	0.14	0.09	4.95	0.69	0.50	0.14
2.40	0.30	0.15	0.10	5.00	0.70	0.51	0.14
2.45	0.31	0.15	0.10	5.05	0.71	0.51	0.14
2.50	0.32	0.16	0.10	5.10	0.72	0.52	0.14
2.55	0.33	0.17	0.10	5.15	0.73	0.53	0.14

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.14	7.80	1.27	1.05	0.22
5.25	0.74	0.55	0.14	7.85	1.28	1.07	0.22
5.30	0.75	0.55	0.14	7.90	1.30	1.08	0.22
5.35	0.76	0.56	0.14	7.95	1.31	1.09	0.22
5.40	0.77	0.57	0.14	8.00	1.32	1.11	0.23
5.45	0.78	0.58	0.14	8.05	1.34	1.12	0.23
5.50	0.79	0.59	0.14	8.10	1.35	1.13	0.23
5.55	0.80	0.59	0.14	8.15	1.36	1.15	0.23
5.60	0.80	0.60	0.14	8.20	1.38	1.16	0.23
5.65	0.81	0.61	0.14	8.25	1.39	1.17	0.23
5.70	0.82	0.62	0.14	8.30	1.40	1.19	0.24
5.75	0.83	0.63	0.14	8.35	1.42	1.20	0.24
5.80	0.84	0.64	0.15	8.40	1.43	1.21	0.24
5.85	0.85	0.64	0.15	8.45	1.45	1.23	0.24
5.90	0.86	0.65	0.15	8.50	1.46	1.24	0.24
5.95	0.87	0.66	0.15	8.55	1.48	1.26	0.25
6.00	0.87	0.67	0.15	8.60	1.49	1.27	0.25
6.05	0.88	0.68	0.15	8.65	1.51	1.29	0.25
6.10	0.89	0.69	0.15	8.70	1.52	1.30	0.25
6.15	0.90	0.70	0.15	8.75	1.54	1.32	0.25
6.20	0.91	0.71	0.15	8.80	1.55	1.33	0.26
6.25	0.92	0.71	0.16	8.85	1.57	1.35	0.26
6.30	0.93	0.72	0.16	8.90	1.58	1.36	0.26
6.35	0.94	0.73	0.16	8.95	1.60	1.38	0.26
6.40	0.95	0.74	0.16	9.00	1.61	1.39	0.26
6.45	0.96	0.75	0.16	9.05	1.63	1.41	0.27
6.50	0.97	0.76	0.17	9.10	1.64	1.42	0.27
6.55	0.98	0.77	0.17	9.15	1.66	1.44	0.28
6.60	0.99	0.78	0.17	9.20	1.68	1.46	0.29
6.65	1.00	0.79	0.17	9.25	1.70	1.47	0.30
6.70	1.01	0.80	0.17	9.30	1.72	1.49	0.30
6.75	1.02	0.81	0.18	9.35	1.73	1.51	0.31
6.80	1.03	0.82	0.18	9.40	1.75	1.53	0.32
6.85	1.04	0.83	0.18	9.45	1.77	1.55	0.32
6.90	1.05	0.84	0.18	9.50	1.79	1.57	0.33
6.95	1.07	0.85	0.18	9.55	1.81	1.59	0.34
7.00	1.08	0.87	0.19	9.60	1.83	1.61	0.35
7.05	1.09	0.88	0.19	9.65	1.85	1.63	0.35
7.10	1.10	0.89	0.19	9.70	1.88	1.65	0.36
7.15	1.11	0.90	0.19	9.75	1.90	1.67	0.37
7.20	1.12	0.91	0.19	9.80	1.92	1.69	0.37
7.25	1.13	0.92	0.20	9.85	1.94	1.72	0.38
7.30	1.15	0.93	0.20	9.90	1.97	1.74	0.39
7.35	1.16	0.94	0.20	9.95	1.99	1.76	0.40
7.40	1.17	0.96	0.20	10.00	2.01	1.79	0.40
7.45	1.18	0.97	0.20	10.05	2.04	1.81	0.41
7.50	1.19	0.98	0.21	10.10	2.06	1.84	0.42
7.55	1.21	0.99	0.21	10.15	2.09	1.86	0.42
7.60	1.22	1.00	0.21	10.20	2.11	1.89	0.43
7.65	1.23	1.02	0.21	10.25	2.14	1.91	0.44
7.70	1.24	1.03	0.21	10.30	2.17	1.94	0.45
7.75	1.26	1.04	0.21	10.35	2.19	1.97	0.45

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.46	13.00	8.39	8.15	0.89
10.45	2.25	2.02	0.47	13.05	8.43	8.19	0.85
10.50	2.28	2.05	0.48	13.10	8.48	8.24	0.79
10.55	2.31	2.08	0.49	13.15	8.52	8.28	0.75
10.60	2.34	2.11	0.52	13.20	8.56	8.32	0.72
10.65	2.37	2.14	0.54	13.25	8.60	8.36	0.70
10.70	2.41	2.18	0.57	13.30	8.63	8.39	0.67
10.75	2.44	2.21	0.60	13.35	8.67	8.43	0.64
10.80	2.48	2.25	0.63	13.40	8.70	8.46	0.61
10.85	2.52	2.29	0.65	13.45	8.73	8.49	0.59
10.90	2.56	2.33	0.68	13.50	8.76	8.52	0.56
10.95	2.61	2.38	0.71	13.55	8.79	8.55	0.53
11.00	2.65	2.42	0.74	13.60	8.82	8.58	0.50
11.05	2.70	2.47	0.77	13.65	8.85	8.61	0.49
11.10	2.75	2.52	0.83	13.70	8.87	8.63	0.47
11.15	2.80	2.57	0.87	13.75	8.90	8.66	0.47
11.20	2.86	2.63	0.93	13.80	8.93	8.69	0.46
11.25	2.92	2.69	0.97	13.85	8.95	8.71	0.45
11.30	2.98	2.75	1.03	13.90	8.98	8.74	0.45
11.35	3.05	2.82	1.08	13.95	9.00	8.76	0.44
11.40	3.12	2.89	1.13	14.00	9.03	8.79	0.43
11.45	3.19	2.96	1.17	14.05	9.05	8.81	0.42
11.50	3.26	3.03	1.22	14.10	9.07	8.83	0.42
11.55	3.37	3.14	1.38	14.15	9.10	8.86	0.41
11.60	3.49	3.25	1.73	14.20	9.12	8.88	0.40
11.65	3.60	3.37	1.90	14.25	9.14	8.90	0.40
11.70	3.72	3.49	1.99	14.30	9.16	8.92	0.39
11.75	3.88	3.65	2.18	14.35	9.19	8.95	0.38
11.80	4.04	3.81	2.57	14.40	9.21	8.97	0.37
11.85	4.27	4.03	2.96	14.45	9.23	8.99	0.37
11.90	4.49	4.25	3.55	14.50	9.25	9.01	0.36
11.95	4.88	4.64	4.38	14.55	9.27	9.03	0.35
12.00	5.26	5.02	5.86	14.60	9.29	9.05	0.34
12.05	5.91	5.67	7.40	14.65	9.31	9.07	0.34
12.10	6.55	6.31	**9.82**	14.70	9.32	9.08	0.33
12.15	6.77	6.53	9.30	14.75	9.34	9.10	0.32
12.20	7.00	6.76	5.88	14.80	9.36	9.12	0.32
12.25	7.16	6.92	4.16	14.85	9.38	9.14	0.31
12.30	7.32	7.08	3.23	14.90	9.40	9.15	0.30
12.35	7.44	7.20	2.74	14.95	9.41	9.17	0.29
12.40	7.55	7.31	2.27	15.00	9.43	9.19	0.29
12.45	7.67	7.43	2.07	15.05	9.44	9.20	0.28
12.50	7.78	7.54	1.98	15.10	9.46	9.22	0.27
12.55	7.85	7.61	1.80	15.15	9.47	9.23	0.27
12.60	7.92	7.68	1.45	15.20	9.49	9.25	0.27
12.65	7.99	7.75	1.28	15.25	9.50	9.26	0.26
12.70	8.06	7.82	1.20	15.30	9.52	9.28	0.26
12.75	8.12	7.88	1.16	15.35	9.53	9.29	0.26
12.80	8.18	7.94	1.10	15.40	9.55	9.31	0.26
12.85	8.24	8.00	1.05	15.45	9.56	9.32	0.26
12.90	8.29	8.05	1.00	15.50	9.58	9.34	0.25
12.95	8.34	8.10	0.95	15.55	9.59	9.35	0.25

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.25	18.20	10.20	9.96	0.15
15.65	9.62	9.38	0.25	18.25	10.21	9.97	0.15
15.70	9.64	9.39	0.25	18.30	10.22	9.98	0.15
15.75	9.65	9.41	0.24	18.35	10.23	9.99	0.15
15.80	9.66	9.42	0.24	18.40	10.24	9.99	0.15
15.85	9.68	9.44	0.24	18.45	10.24	10.00	0.15
15.90	9.69	9.45	0.24	18.50	10.25	10.01	0.15
15.95	9.70	9.46	0.24	18.55	10.26	10.02	0.15
16.00	9.72	9.48	0.23	18.60	10.27	10.03	0.15
16.05	9.73	9.49	0.23	18.65	10.28	10.04	0.15
16.10	9.74	9.50	0.23	18.70	10.29	10.05	0.15
16.15	9.76	9.52	0.23	18.75	10.30	10.05	0.15
16.20	9.77	9.53	0.23	18.80	10.30	10.06	0.15
16.25	9.78	9.54	0.23	18.85	10.31	10.07	0.15
16.30	9.80	9.55	0.22	18.90	10.32	10.08	0.15
16.35	9.81	9.57	0.22	18.95	10.33	10.09	0.15
16.40	9.82	9.58	0.22	19.00	10.34	10.10	0.15
16.45	9.83	9.59	0.22	19.05	10.35	10.11	0.15
16.50	9.85	9.60	0.22	19.10	10.35	10.11	0.14
16.55	9.86	9.62	0.21	19.15	10.36	10.12	0.14
16.60	9.87	9.63	0.21	19.20	10.37	10.13	0.14
16.65	9.88	9.64	0.21	19.25	10.38	10.14	0.14
16.70	9.89	9.65	0.21	19.30	10.39	10.15	0.14
16.75	9.91	9.66	0.21	19.35	10.40	10.15	0.14
16.80	9.92	9.68	0.20	19.40	10.40	10.16	0.14
16.85	9.93	9.69	0.20	19.45	10.41	10.17	0.14
16.90	9.94	9.70	0.20	19.50	10.42	10.18	0.14
16.95	9.95	9.71	0.20	19.55	10.43	10.19	0.14
17.00	9.96	9.72	0.20	19.60	10.44	10.20	0.14
17.05	9.97	9.73	0.20	19.65	10.44	10.20	0.14
17.10	9.99	9.74	0.19	19.70	10.45	10.21	0.14
17.15	10.00	9.76	0.19	19.75	10.46	10.22	0.14
17.20	10.01	9.77	0.19	19.80	10.47	10.23	0.14
17.25	10.02	9.78	0.19	19.85	10.48	10.24	0.14
17.30	10.03	9.79	0.19	19.90	10.48	10.24	0.14
17.35	10.04	9.80	0.18	19.95	10.49	10.25	0.14
17.40	10.05	9.81	0.18	20.00	10.50	10.26	0.14
17.45	10.06	9.82	0.18	20.05	10.51	10.27	0.14
17.50	10.07	9.83	0.18	20.10	10.52	10.27	0.14
17.55	10.08	9.84	0.18	20.15	10.52	10.28	0.13
17.60	10.09	9.85	0.17	20.20	10.53	10.29	0.13
17.65	10.10	9.86	0.17	20.25	10.54	10.30	0.13
17.70	10.11	9.87	0.17	20.30	10.55	10.31	0.13
17.75	10.12	9.88	0.17	20.35	10.55	10.31	0.13
17.80	10.13	9.89	0.17	20.40	10.56	10.32	0.13
17.85	10.14	9.90	0.17	20.45	10.57	10.33	0.13
17.90	10.15	9.91	0.16	20.50	10.58	10.34	0.13
17.95	10.16	9.92	0.16	20.55	10.58	10.34	0.13
18.00	10.17	9.92	0.16	20.60	10.59	10.35	0.13
18.05	10.17	9.93	0.16	20.65	10.60	10.36	0.13
18.10	10.18	9.94	0.16	20.70	10.61	10.37	0.13
18.15	10.19	9.95	0.15	20.75	10.61	10.37	0.13

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.13	23.40	10.97	10.73	0.10
20.85	10.63	10.39	0.13	23.45	10.97	10.73	0.10
20.90	10.64	10.39	0.13	23.50	10.98	10.74	0.10
20.95	10.64	10.40	0.13	23.55	10.99	10.74	0.10
21.00	10.65	10.41	0.13	23.60	10.99	10.75	0.10
21.05	10.66	10.42	0.13	23.65	11.00	10.76	0.10
21.10	10.66	10.42	0.13	23.70	11.00	10.76	0.10
21.15	10.67	10.43	0.13	23.75	11.01	10.77	0.10
21.20	10.68	10.44	0.12	23.80	11.01	10.77	0.10
21.25	10.69	10.45	0.12	23.85	11.02	10.78	0.10
21.30	10.69	10.45	0.12	23.90	11.03	10.78	0.10
21.35	10.70	10.46	0.12	23.95	11.03	10.79	0.10
21.40	10.71	10.47	0.12	24.00	**11.04**	**10.80**	0.12
21.45	10.71	10.47	0.12	24.05	11.04	10.80	0.10
21.50	10.72	10.48	0.12	24.10	11.04	10.80	0.03
21.55	10.73	10.49	0.12	24.15	11.04	10.80	0.01
21.60	10.74	10.49	0.12	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.12	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.12	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.12	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.12	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.12	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.12	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.12	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.12	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.12	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.12	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.12	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.12	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.12	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.11	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.11	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.11	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.11	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.11	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.11	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.11	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.11	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.11	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.11	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.11	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.11	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.11	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.11	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.11	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.11	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.11	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.11	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.11	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.11	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.10	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.10	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 4BI: PDA-4B (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 4BP: PDA-4B (pervious)

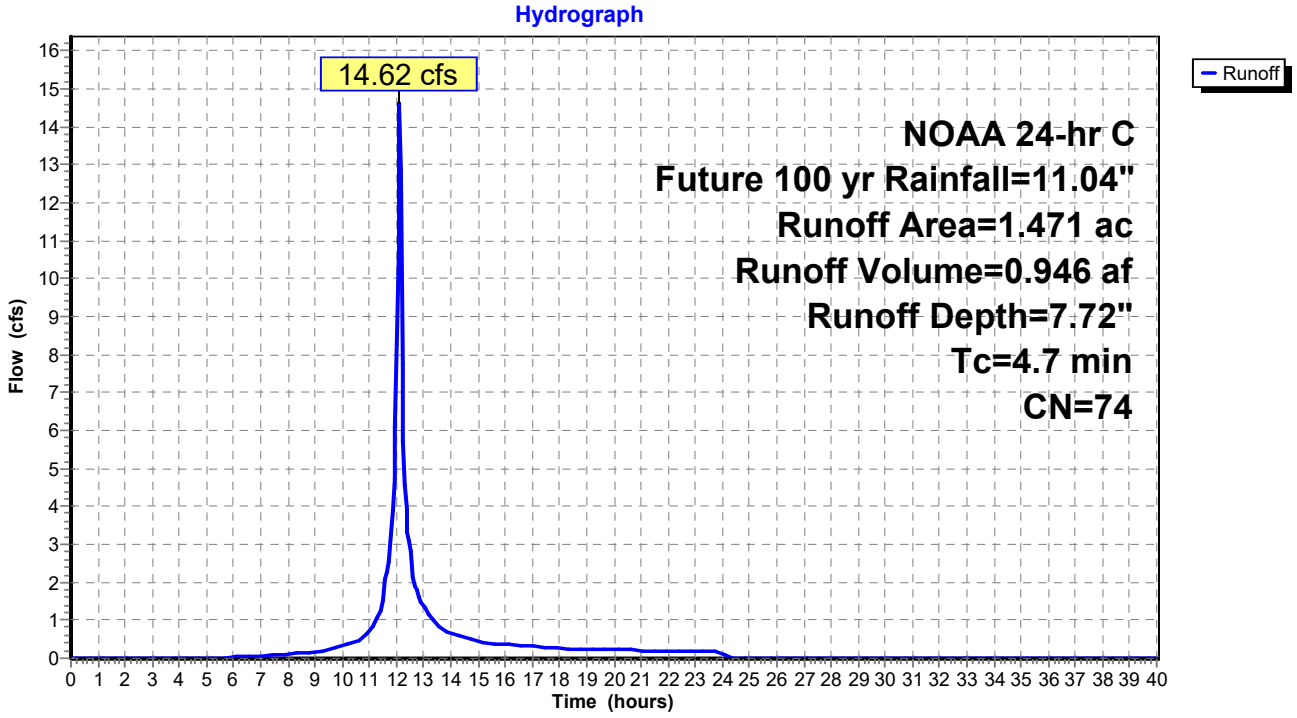
Runoff = 14.62 cfs @ 12.11 hrs, Volume= 0.946 af, Depth= 7.72"
Routed to Pond B-4B : Basin #4B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.471	74	>75% Grass cover, Good, HSG C
1.471		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.7					**Direct Entry,**

Subcatchment 4BP: PDA-4B (pervious)



Hydrograph for Subcatchment 4BP: PDA-4B (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.10
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.10
5.30	0.75	0.00	0.01	7.90	1.30	0.09	0.10
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.10
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.11
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.11
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.11
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.11
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.12
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.12
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.12
5.75	0.83	0.00	0.02	8.35	1.42	0.12	0.13
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.13
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.13
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.14
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.14
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.14
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.14
6.10	0.89	0.01	0.03	8.70	1.52	0.15	0.15
6.15	0.90	0.01	0.03	8.75	1.54	0.16	0.15
6.20	0.91	0.01	0.03	8.80	1.55	0.16	0.15
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.16
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.16
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.16
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.17
6.45	0.96	0.02	0.04	9.05	1.63	0.19	0.17
6.50	0.97	0.02	0.04	9.10	1.64	0.20	0.18
6.55	0.98	0.02	0.04	9.15	1.66	0.21	0.18
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.19
6.65	1.00	0.02	0.04	9.25	1.70	0.22	0.20
6.70	1.01	0.02	0.05	9.30	1.72	0.23	0.21
6.75	1.02	0.03	0.05	9.35	1.73	0.23	0.21
6.80	1.03	0.03	0.05	9.40	1.75	0.24	0.22
6.85	1.04	0.03	0.05	9.45	1.77	0.25	0.23
6.90	1.05	0.03	0.05	9.50	1.79	0.26	0.24
6.95	1.07	0.03	0.06	9.55	1.81	0.27	0.24
7.00	1.08	0.04	0.06	9.60	1.83	0.28	0.25
7.05	1.09	0.04	0.06	9.65	1.85	0.28	0.26
7.10	1.10	0.04	0.06	9.70	1.88	0.29	0.27
7.15	1.11	0.04	0.06	9.75	1.90	0.30	0.28
7.20	1.12	0.04	0.07	9.80	1.92	0.31	0.29
7.25	1.13	0.05	0.07	9.85	1.94	0.32	0.30
7.30	1.15	0.05	0.07	9.90	1.97	0.33	0.31
7.35	1.16	0.05	0.07	9.95	1.99	0.34	0.31
7.40	1.17	0.05	0.08	10.00	2.01	0.36	0.32
7.45	1.18	0.06	0.08	10.05	2.04	0.37	0.33
7.50	1.19	0.06	0.08	10.10	2.06	0.38	0.34
7.55	1.21	0.06	0.08	10.15	2.09	0.39	0.35
7.60	1.22	0.07	0.09	10.20	2.11	0.40	0.36
7.65	1.23	0.07	0.09	10.25	2.14	0.42	0.37
7.70	1.24	0.07	0.09	10.30	2.17	0.43	0.38
7.75	1.26	0.08	0.09	10.35	2.19	0.44	0.39

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.40	13.00	8.39	5.28	1.36
10.45	2.25	0.47	0.41	13.05	8.43	5.32	1.29
10.50	2.28	0.49	0.42	13.10	8.48	5.36	1.20
10.55	2.31	0.50	0.44	13.15	8.52	5.39	1.15
10.60	2.34	0.52	0.48	13.20	8.56	5.43	1.11
10.65	2.37	0.54	0.50	13.25	8.60	5.46	1.07
10.70	2.41	0.56	0.54	13.30	8.63	5.50	1.02
10.75	2.44	0.58	0.56	13.35	8.67	5.53	0.98
10.80	2.48	0.60	0.60	13.40	8.70	5.56	0.94
10.85	2.52	0.62	0.63	13.45	8.73	5.59	0.90
10.90	2.56	0.64	0.67	13.50	8.76	5.61	0.85
10.95	2.61	0.67	0.70	13.55	8.79	5.64	0.82
11.00	2.65	0.69	0.74	13.60	8.82	5.67	0.77
11.05	2.70	0.72	0.78	13.65	8.85	5.69	0.75
11.10	2.75	0.75	0.85	13.70	8.87	5.71	0.73
11.15	2.80	0.79	0.91	13.75	8.90	5.74	0.72
11.20	2.86	0.82	0.98	13.80	8.93	5.76	0.71
11.25	2.92	0.86	1.04	13.85	8.95	5.79	0.70
11.30	2.98	0.90	1.11	13.90	8.98	5.81	0.69
11.35	3.05	0.94	1.18	13.95	9.00	5.83	0.68
11.40	3.12	0.98	1.25	14.00	9.03	5.85	0.67
11.45	3.19	1.03	1.31	14.05	9.05	5.88	0.66
11.50	3.26	1.08	1.38	14.10	9.07	5.90	0.65
11.55	3.37	1.15	1.64	14.15	9.10	5.92	0.64
11.60	3.49	1.23	2.08	14.20	9.12	5.94	0.63
11.65	3.60	1.31	2.27	14.25	9.14	5.96	0.62
11.70	3.72	1.39	2.40	14.30	9.16	5.98	0.60
11.75	3.88	1.51	2.72	14.35	9.19	6.00	0.59
11.80	4.04	1.63	3.26	14.40	9.21	6.02	0.58
11.85	4.27	1.79	3.86	14.45	9.23	6.04	0.57
11.90	4.49	1.96	4.70	14.50	9.25	6.06	0.56
11.95	4.88	2.27	6.08	14.55	9.27	6.07	0.55
12.00	5.26	2.57	8.24	14.60	9.29	6.09	0.54
12.05	5.91	3.11	10.84	14.65	9.31	6.11	0.53
12.10	6.55	3.65	**14.53**	14.70	9.32	6.13	0.51
12.15	6.77	3.85	12.86	14.75	9.34	6.14	0.50
12.20	7.00	4.04	7.73	14.80	9.36	6.16	0.49
12.25	7.16	4.18	5.72	14.85	9.38	6.17	0.48
12.30	7.32	4.32	4.56	14.90	9.40	6.19	0.47
12.35	7.44	4.43	3.94	14.95	9.41	6.21	0.46
12.40	7.55	4.53	3.30	15.00	9.43	6.22	0.45
12.45	7.67	4.63	3.08	15.05	9.44	6.23	0.44
12.50	7.78	4.73	2.97	15.10	9.46	6.25	0.43
12.55	7.85	4.79	2.65	15.15	9.47	6.26	0.42
12.60	7.92	4.86	2.11	15.20	9.49	6.28	0.42
12.65	7.99	4.92	1.91	15.25	9.50	6.29	0.41
12.70	8.06	4.98	1.82	15.30	9.52	6.30	0.41
12.75	8.12	5.03	1.75	15.35	9.53	6.32	0.41
12.80	8.18	5.09	1.67	15.40	9.55	6.33	0.41
12.85	8.24	5.14	1.60	15.45	9.56	6.34	0.40
12.90	8.29	5.19	1.51	15.50	9.58	6.36	0.40
12.95	8.34	5.23	1.45	15.55	9.59	6.37	0.40

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.39	18.20	10.20	6.93	0.24
15.65	9.62	6.40	0.39	18.25	10.21	6.94	0.24
15.70	9.64	6.41	0.39	18.30	10.22	6.95	0.24
15.75	9.65	6.42	0.38	18.35	10.23	6.96	0.24
15.80	9.66	6.44	0.38	18.40	10.24	6.97	0.24
15.85	9.68	6.45	0.38	18.45	10.24	6.97	0.24
15.90	9.69	6.46	0.38	18.50	10.25	6.98	0.24
15.95	9.70	6.47	0.37	18.55	10.26	6.99	0.24
16.00	9.72	6.49	0.37	18.60	10.27	7.00	0.24
16.05	9.73	6.50	0.37	18.65	10.28	7.01	0.24
16.10	9.74	6.51	0.36	18.70	10.29	7.01	0.24
16.15	9.76	6.52	0.36	18.75	10.30	7.02	0.24
16.20	9.77	6.54	0.36	18.80	10.30	7.03	0.23
16.25	9.78	6.55	0.36	18.85	10.31	7.04	0.23
16.30	9.80	6.56	0.35	18.90	10.32	7.04	0.23
16.35	9.81	6.57	0.35	18.95	10.33	7.05	0.23
16.40	9.82	6.58	0.35	19.00	10.34	7.06	0.23
16.45	9.83	6.59	0.34	19.05	10.35	7.07	0.23
16.50	9.85	6.60	0.34	19.10	10.35	7.08	0.23
16.55	9.86	6.62	0.34	19.15	10.36	7.08	0.23
16.60	9.87	6.63	0.33	19.20	10.37	7.09	0.23
16.65	9.88	6.64	0.33	19.25	10.38	7.10	0.23
16.70	9.89	6.65	0.33	19.30	10.39	7.11	0.23
16.75	9.91	6.66	0.33	19.35	10.40	7.11	0.23
16.80	9.92	6.67	0.32	19.40	10.40	7.12	0.23
16.85	9.93	6.68	0.32	19.45	10.41	7.13	0.22
16.90	9.94	6.69	0.32	19.50	10.42	7.14	0.22
16.95	9.95	6.70	0.31	19.55	10.43	7.14	0.22
17.00	9.96	6.71	0.31	19.60	10.44	7.15	0.22
17.05	9.97	6.72	0.31	19.65	10.44	7.16	0.22
17.10	9.99	6.73	0.31	19.70	10.45	7.17	0.22
17.15	10.00	6.74	0.30	19.75	10.46	7.17	0.22
17.20	10.01	6.75	0.30	19.80	10.47	7.18	0.22
17.25	10.02	6.76	0.30	19.85	10.48	7.19	0.22
17.30	10.03	6.77	0.29	19.90	10.48	7.20	0.22
17.35	10.04	6.78	0.29	19.95	10.49	7.20	0.22
17.40	10.05	6.79	0.29	20.00	10.50	7.21	0.22
17.45	10.06	6.80	0.28	20.05	10.51	7.22	0.22
17.50	10.07	6.81	0.28	20.10	10.52	7.23	0.22
17.55	10.08	6.82	0.28	20.15	10.52	7.23	0.21
17.60	10.09	6.83	0.28	20.20	10.53	7.24	0.21
17.65	10.10	6.84	0.27	20.25	10.54	7.25	0.21
17.70	10.11	6.85	0.27	20.30	10.55	7.25	0.21
17.75	10.12	6.86	0.27	20.35	10.55	7.26	0.21
17.80	10.13	6.87	0.26	20.40	10.56	7.27	0.21
17.85	10.14	6.87	0.26	20.45	10.57	7.28	0.21
17.90	10.15	6.88	0.26	20.50	10.58	7.28	0.21
17.95	10.16	6.89	0.25	20.55	10.58	7.29	0.21
18.00	10.17	6.90	0.25	20.60	10.59	7.30	0.21
18.05	10.17	6.91	0.25	20.65	10.60	7.30	0.21
18.10	10.18	6.92	0.25	20.70	10.61	7.31	0.21
18.15	10.19	6.92	0.24	20.75	10.61	7.32	0.21

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.20	23.40	10.97	7.65	0.17
20.85	10.63	7.33	0.20	23.45	10.97	7.65	0.17
20.90	10.64	7.34	0.20	23.50	10.98	7.66	0.16
20.95	10.64	7.34	0.20	23.55	10.99	7.66	0.16
21.00	10.65	7.35	0.20	23.60	10.99	7.67	0.16
21.05	10.66	7.36	0.20	23.65	11.00	7.67	0.16
21.10	10.66	7.36	0.20	23.70	11.00	7.68	0.16
21.15	10.67	7.37	0.20	23.75	11.01	7.69	0.16
21.20	10.68	7.38	0.20	23.80	11.01	7.69	0.16
21.25	10.69	7.38	0.20	23.85	11.02	7.70	0.16
21.30	10.69	7.39	0.20	23.90	11.03	7.70	0.16
21.35	10.70	7.40	0.20	23.95	11.03	7.71	0.17
21.40	10.71	7.40	0.20	24.00	**11.04**	**7.72**	0.19
21.45	10.71	7.41	0.20	24.05	11.04	7.72	0.14
21.50	10.72	7.42	0.19	24.10	11.04	7.72	0.04
21.55	10.73	7.42	0.19	24.15	11.04	7.72	0.01
21.60	10.74	7.43	0.19	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.19	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.19	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.19	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.19	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.19	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.19	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.19	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.19	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.19	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.19	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.19	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.18	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.18	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.18	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.18	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.18	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.18	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.18	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.18	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.18	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.18	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.18	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.18	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.17	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.17	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.17	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.17	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.17	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.17	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.17	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.17	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.17	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.17	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.17	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.17	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 4BP: PDA-4B (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 5l: PDA-5 (impervious)

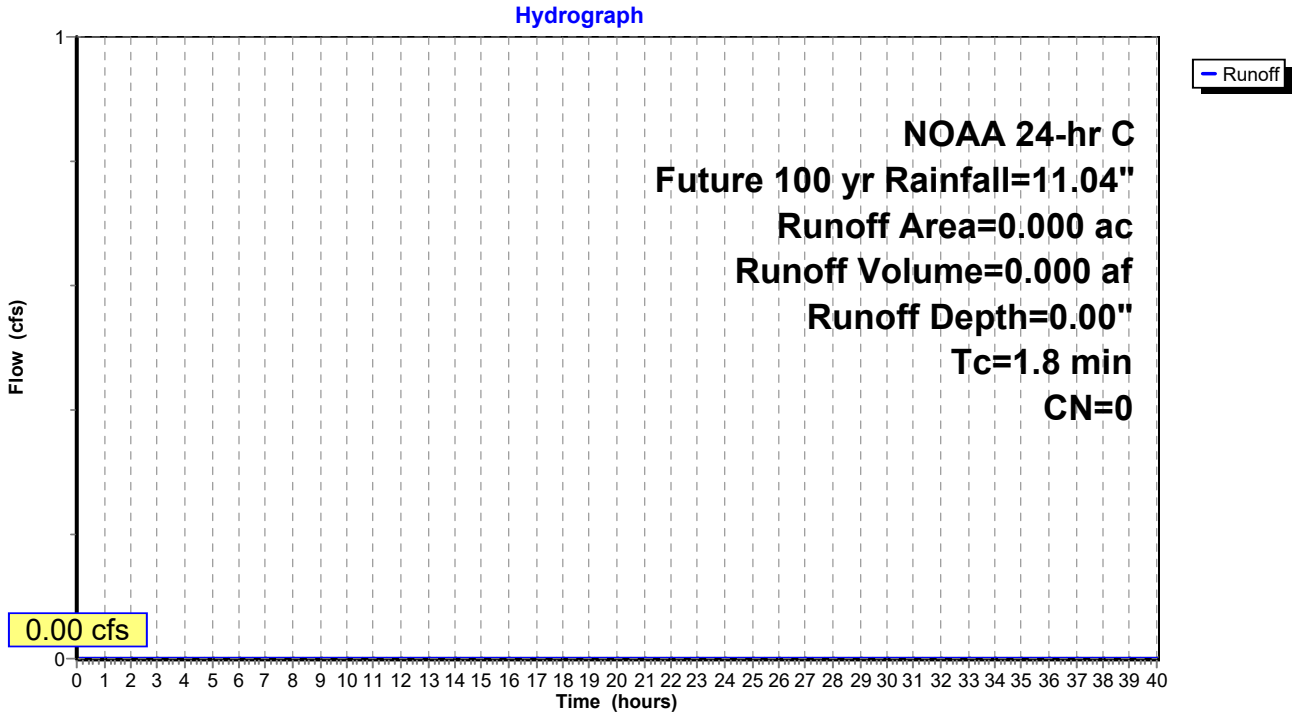
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.000	98	Concrete, HSG C
	0.000	0	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5l: PDA-5 (impervious)



Hydrograph for Subcatchment 5I: PDA-5 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.00	0.00
5.25	0.74	0.00	0.00	7.85	1.28	0.00	0.00
5.30	0.75	0.00	0.00	7.90	1.30	0.00	0.00
5.35	0.76	0.00	0.00	7.95	1.31	0.00	0.00
5.40	0.77	0.00	0.00	8.00	1.32	0.00	0.00
5.45	0.78	0.00	0.00	8.05	1.34	0.00	0.00
5.50	0.79	0.00	0.00	8.10	1.35	0.00	0.00
5.55	0.80	0.00	0.00	8.15	1.36	0.00	0.00
5.60	0.80	0.00	0.00	8.20	1.38	0.00	0.00
5.65	0.81	0.00	0.00	8.25	1.39	0.00	0.00
5.70	0.82	0.00	0.00	8.30	1.40	0.00	0.00
5.75	0.83	0.00	0.00	8.35	1.42	0.00	0.00
5.80	0.84	0.00	0.00	8.40	1.43	0.00	0.00
5.85	0.85	0.00	0.00	8.45	1.45	0.00	0.00
5.90	0.86	0.00	0.00	8.50	1.46	0.00	0.00
5.95	0.87	0.00	0.00	8.55	1.48	0.00	0.00
6.00	0.87	0.00	0.00	8.60	1.49	0.00	0.00
6.05	0.88	0.00	0.00	8.65	1.51	0.00	0.00
6.10	0.89	0.00	0.00	8.70	1.52	0.00	0.00
6.15	0.90	0.00	0.00	8.75	1.54	0.00	0.00
6.20	0.91	0.00	0.00	8.80	1.55	0.00	0.00
6.25	0.92	0.00	0.00	8.85	1.57	0.00	0.00
6.30	0.93	0.00	0.00	8.90	1.58	0.00	0.00
6.35	0.94	0.00	0.00	8.95	1.60	0.00	0.00
6.40	0.95	0.00	0.00	9.00	1.61	0.00	0.00
6.45	0.96	0.00	0.00	9.05	1.63	0.00	0.00
6.50	0.97	0.00	0.00	9.10	1.64	0.00	0.00
6.55	0.98	0.00	0.00	9.15	1.66	0.00	0.00
6.60	0.99	0.00	0.00	9.20	1.68	0.00	0.00
6.65	1.00	0.00	0.00	9.25	1.70	0.00	0.00
6.70	1.01	0.00	0.00	9.30	1.72	0.00	0.00
6.75	1.02	0.00	0.00	9.35	1.73	0.00	0.00
6.80	1.03	0.00	0.00	9.40	1.75	0.00	0.00
6.85	1.04	0.00	0.00	9.45	1.77	0.00	0.00
6.90	1.05	0.00	0.00	9.50	1.79	0.00	0.00
6.95	1.07	0.00	0.00	9.55	1.81	0.00	0.00
7.00	1.08	0.00	0.00	9.60	1.83	0.00	0.00
7.05	1.09	0.00	0.00	9.65	1.85	0.00	0.00
7.10	1.10	0.00	0.00	9.70	1.88	0.00	0.00
7.15	1.11	0.00	0.00	9.75	1.90	0.00	0.00
7.20	1.12	0.00	0.00	9.80	1.92	0.00	0.00
7.25	1.13	0.00	0.00	9.85	1.94	0.00	0.00
7.30	1.15	0.00	0.00	9.90	1.97	0.00	0.00
7.35	1.16	0.00	0.00	9.95	1.99	0.00	0.00
7.40	1.17	0.00	0.00	10.00	2.01	0.00	0.00
7.45	1.18	0.00	0.00	10.05	2.04	0.00	0.00
7.50	1.19	0.00	0.00	10.10	2.06	0.00	0.00
7.55	1.21	0.00	0.00	10.15	2.09	0.00	0.00
7.60	1.22	0.00	0.00	10.20	2.11	0.00	0.00
7.65	1.23	0.00	0.00	10.25	2.14	0.00	0.00
7.70	1.24	0.00	0.00	10.30	2.17	0.00	0.00
7.75	1.26	0.00	0.00	10.35	2.19	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.00	0.00	13.00	8.39	0.00	0.00
10.45	2.25	0.00	0.00	13.05	8.43	0.00	0.00
10.50	2.28	0.00	0.00	13.10	8.48	0.00	0.00
10.55	2.31	0.00	0.00	13.15	8.52	0.00	0.00
10.60	2.34	0.00	0.00	13.20	8.56	0.00	0.00
10.65	2.37	0.00	0.00	13.25	8.60	0.00	0.00
10.70	2.41	0.00	0.00	13.30	8.63	0.00	0.00
10.75	2.44	0.00	0.00	13.35	8.67	0.00	0.00
10.80	2.48	0.00	0.00	13.40	8.70	0.00	0.00
10.85	2.52	0.00	0.00	13.45	8.73	0.00	0.00
10.90	2.56	0.00	0.00	13.50	8.76	0.00	0.00
10.95	2.61	0.00	0.00	13.55	8.79	0.00	0.00
11.00	2.65	0.00	0.00	13.60	8.82	0.00	0.00
11.05	2.70	0.00	0.00	13.65	8.85	0.00	0.00
11.10	2.75	0.00	0.00	13.70	8.87	0.00	0.00
11.15	2.80	0.00	0.00	13.75	8.90	0.00	0.00
11.20	2.86	0.00	0.00	13.80	8.93	0.00	0.00
11.25	2.92	0.00	0.00	13.85	8.95	0.00	0.00
11.30	2.98	0.00	0.00	13.90	8.98	0.00	0.00
11.35	3.05	0.00	0.00	13.95	9.00	0.00	0.00
11.40	3.12	0.00	0.00	14.00	9.03	0.00	0.00
11.45	3.19	0.00	0.00	14.05	9.05	0.00	0.00
11.50	3.26	0.00	0.00	14.10	9.07	0.00	0.00
11.55	3.37	0.00	0.00	14.15	9.10	0.00	0.00
11.60	3.49	0.00	0.00	14.20	9.12	0.00	0.00
11.65	3.60	0.00	0.00	14.25	9.14	0.00	0.00
11.70	3.72	0.00	0.00	14.30	9.16	0.00	0.00
11.75	3.88	0.00	0.00	14.35	9.19	0.00	0.00
11.80	4.04	0.00	0.00	14.40	9.21	0.00	0.00
11.85	4.27	0.00	0.00	14.45	9.23	0.00	0.00
11.90	4.49	0.00	0.00	14.50	9.25	0.00	0.00
11.95	4.88	0.00	0.00	14.55	9.27	0.00	0.00
12.00	5.26	0.00	0.00	14.60	9.29	0.00	0.00
12.05	5.91	0.00	0.00	14.65	9.31	0.00	0.00
12.10	6.55	0.00	0.00	14.70	9.32	0.00	0.00
12.15	6.77	0.00	0.00	14.75	9.34	0.00	0.00
12.20	7.00	0.00	0.00	14.80	9.36	0.00	0.00
12.25	7.16	0.00	0.00	14.85	9.38	0.00	0.00
12.30	7.32	0.00	0.00	14.90	9.40	0.00	0.00
12.35	7.44	0.00	0.00	14.95	9.41	0.00	0.00
12.40	7.55	0.00	0.00	15.00	9.43	0.00	0.00
12.45	7.67	0.00	0.00	15.05	9.44	0.00	0.00
12.50	7.78	0.00	0.00	15.10	9.46	0.00	0.00
12.55	7.85	0.00	0.00	15.15	9.47	0.00	0.00
12.60	7.92	0.00	0.00	15.20	9.49	0.00	0.00
12.65	7.99	0.00	0.00	15.25	9.50	0.00	0.00
12.70	8.06	0.00	0.00	15.30	9.52	0.00	0.00
12.75	8.12	0.00	0.00	15.35	9.53	0.00	0.00
12.80	8.18	0.00	0.00	15.40	9.55	0.00	0.00
12.85	8.24	0.00	0.00	15.45	9.56	0.00	0.00
12.90	8.29	0.00	0.00	15.50	9.58	0.00	0.00
12.95	8.34	0.00	0.00	15.55	9.59	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	0.00	0.00	18.20	10.20	0.00	0.00
15.65	9.62	0.00	0.00	18.25	10.21	0.00	0.00
15.70	9.64	0.00	0.00	18.30	10.22	0.00	0.00
15.75	9.65	0.00	0.00	18.35	10.23	0.00	0.00
15.80	9.66	0.00	0.00	18.40	10.24	0.00	0.00
15.85	9.68	0.00	0.00	18.45	10.24	0.00	0.00
15.90	9.69	0.00	0.00	18.50	10.25	0.00	0.00
15.95	9.70	0.00	0.00	18.55	10.26	0.00	0.00
16.00	9.72	0.00	0.00	18.60	10.27	0.00	0.00
16.05	9.73	0.00	0.00	18.65	10.28	0.00	0.00
16.10	9.74	0.00	0.00	18.70	10.29	0.00	0.00
16.15	9.76	0.00	0.00	18.75	10.30	0.00	0.00
16.20	9.77	0.00	0.00	18.80	10.30	0.00	0.00
16.25	9.78	0.00	0.00	18.85	10.31	0.00	0.00
16.30	9.80	0.00	0.00	18.90	10.32	0.00	0.00
16.35	9.81	0.00	0.00	18.95	10.33	0.00	0.00
16.40	9.82	0.00	0.00	19.00	10.34	0.00	0.00
16.45	9.83	0.00	0.00	19.05	10.35	0.00	0.00
16.50	9.85	0.00	0.00	19.10	10.35	0.00	0.00
16.55	9.86	0.00	0.00	19.15	10.36	0.00	0.00
16.60	9.87	0.00	0.00	19.20	10.37	0.00	0.00
16.65	9.88	0.00	0.00	19.25	10.38	0.00	0.00
16.70	9.89	0.00	0.00	19.30	10.39	0.00	0.00
16.75	9.91	0.00	0.00	19.35	10.40	0.00	0.00
16.80	9.92	0.00	0.00	19.40	10.40	0.00	0.00
16.85	9.93	0.00	0.00	19.45	10.41	0.00	0.00
16.90	9.94	0.00	0.00	19.50	10.42	0.00	0.00
16.95	9.95	0.00	0.00	19.55	10.43	0.00	0.00
17.00	9.96	0.00	0.00	19.60	10.44	0.00	0.00
17.05	9.97	0.00	0.00	19.65	10.44	0.00	0.00
17.10	9.99	0.00	0.00	19.70	10.45	0.00	0.00
17.15	10.00	0.00	0.00	19.75	10.46	0.00	0.00
17.20	10.01	0.00	0.00	19.80	10.47	0.00	0.00
17.25	10.02	0.00	0.00	19.85	10.48	0.00	0.00
17.30	10.03	0.00	0.00	19.90	10.48	0.00	0.00
17.35	10.04	0.00	0.00	19.95	10.49	0.00	0.00
17.40	10.05	0.00	0.00	20.00	10.50	0.00	0.00
17.45	10.06	0.00	0.00	20.05	10.51	0.00	0.00
17.50	10.07	0.00	0.00	20.10	10.52	0.00	0.00
17.55	10.08	0.00	0.00	20.15	10.52	0.00	0.00
17.60	10.09	0.00	0.00	20.20	10.53	0.00	0.00
17.65	10.10	0.00	0.00	20.25	10.54	0.00	0.00
17.70	10.11	0.00	0.00	20.30	10.55	0.00	0.00
17.75	10.12	0.00	0.00	20.35	10.55	0.00	0.00
17.80	10.13	0.00	0.00	20.40	10.56	0.00	0.00
17.85	10.14	0.00	0.00	20.45	10.57	0.00	0.00
17.90	10.15	0.00	0.00	20.50	10.58	0.00	0.00
17.95	10.16	0.00	0.00	20.55	10.58	0.00	0.00
18.00	10.17	0.00	0.00	20.60	10.59	0.00	0.00
18.05	10.17	0.00	0.00	20.65	10.60	0.00	0.00
18.10	10.18	0.00	0.00	20.70	10.61	0.00	0.00
18.15	10.19	0.00	0.00	20.75	10.61	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	0.00	0.00	23.40	10.97	0.00	0.00
20.85	10.63	0.00	0.00	23.45	10.97	0.00	0.00
20.90	10.64	0.00	0.00	23.50	10.98	0.00	0.00
20.95	10.64	0.00	0.00	23.55	10.99	0.00	0.00
21.00	10.65	0.00	0.00	23.60	10.99	0.00	0.00
21.05	10.66	0.00	0.00	23.65	11.00	0.00	0.00
21.10	10.66	0.00	0.00	23.70	11.00	0.00	0.00
21.15	10.67	0.00	0.00	23.75	11.01	0.00	0.00
21.20	10.68	0.00	0.00	23.80	11.01	0.00	0.00
21.25	10.69	0.00	0.00	23.85	11.02	0.00	0.00
21.30	10.69	0.00	0.00	23.90	11.03	0.00	0.00
21.35	10.70	0.00	0.00	23.95	11.03	0.00	0.00
21.40	10.71	0.00	0.00	24.00	**11.04**	0.00	0.00
21.45	10.71	0.00	0.00	24.05	11.04	0.00	0.00
21.50	10.72	0.00	0.00	24.10	11.04	0.00	0.00
21.55	10.73	0.00	0.00	24.15	11.04	0.00	0.00
21.60	10.74	0.00	0.00	24.20	11.04	0.00	0.00
21.65	10.74	0.00	0.00	24.25	11.04	0.00	0.00
21.70	10.75	0.00	0.00	24.30	11.04	0.00	0.00
21.75	10.76	0.00	0.00	24.35	11.04	0.00	0.00
21.80	10.76	0.00	0.00	24.40	11.04	0.00	0.00
21.85	10.77	0.00	0.00	24.45	11.04	0.00	0.00
21.90	10.78	0.00	0.00	24.50	11.04	0.00	0.00
21.95	10.78	0.00	0.00	24.55	11.04	0.00	0.00
22.00	10.79	0.00	0.00	24.60	11.04	0.00	0.00
22.05	10.80	0.00	0.00	24.65	11.04	0.00	0.00
22.10	10.80	0.00	0.00	24.70	11.04	0.00	0.00
22.15	10.81	0.00	0.00	24.75	11.04	0.00	0.00
22.20	10.82	0.00	0.00	24.80	11.04	0.00	0.00
22.25	10.82	0.00	0.00	24.85	11.04	0.00	0.00
22.30	10.83	0.00	0.00	24.90	11.04	0.00	0.00
22.35	10.84	0.00	0.00	24.95	11.04	0.00	0.00
22.40	10.84	0.00	0.00	25.00	11.04	0.00	0.00
22.45	10.85	0.00	0.00	25.05	11.04	0.00	0.00
22.50	10.86	0.00	0.00	25.10	11.04	0.00	0.00
22.55	10.86	0.00	0.00	25.15	11.04	0.00	0.00
22.60	10.87	0.00	0.00	25.20	11.04	0.00	0.00
22.65	10.88	0.00	0.00	25.25	11.04	0.00	0.00
22.70	10.88	0.00	0.00	25.30	11.04	0.00	0.00
22.75	10.89	0.00	0.00	25.35	11.04	0.00	0.00
22.80	10.89	0.00	0.00	25.40	11.04	0.00	0.00
22.85	10.90	0.00	0.00	25.45	11.04	0.00	0.00
22.90	10.91	0.00	0.00	25.50	11.04	0.00	0.00
22.95	10.91	0.00	0.00	25.55	11.04	0.00	0.00
23.00	10.92	0.00	0.00	25.60	11.04	0.00	0.00
23.05	10.93	0.00	0.00	25.65	11.04	0.00	0.00
23.10	10.93	0.00	0.00	25.70	11.04	0.00	0.00
23.15	10.94	0.00	0.00	25.75	11.04	0.00	0.00
23.20	10.94	0.00	0.00	25.80	11.04	0.00	0.00
23.25	10.95	0.00	0.00	25.85	11.04	0.00	0.00
23.30	10.96	0.00	0.00	25.90	11.04	0.00	0.00
23.35	10.96	0.00	0.00	25.95	11.04	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	0.00	0.00	28.60	11.04	0.00	0.00
26.05	11.04	0.00	0.00	28.65	11.04	0.00	0.00
26.10	11.04	0.00	0.00	28.70	11.04	0.00	0.00
26.15	11.04	0.00	0.00	28.75	11.04	0.00	0.00
26.20	11.04	0.00	0.00	28.80	11.04	0.00	0.00
26.25	11.04	0.00	0.00	28.85	11.04	0.00	0.00
26.30	11.04	0.00	0.00	28.90	11.04	0.00	0.00
26.35	11.04	0.00	0.00	28.95	11.04	0.00	0.00
26.40	11.04	0.00	0.00	29.00	11.04	0.00	0.00
26.45	11.04	0.00	0.00	29.05	11.04	0.00	0.00
26.50	11.04	0.00	0.00	29.10	11.04	0.00	0.00
26.55	11.04	0.00	0.00	29.15	11.04	0.00	0.00
26.60	11.04	0.00	0.00	29.20	11.04	0.00	0.00
26.65	11.04	0.00	0.00	29.25	11.04	0.00	0.00
26.70	11.04	0.00	0.00	29.30	11.04	0.00	0.00
26.75	11.04	0.00	0.00	29.35	11.04	0.00	0.00
26.80	11.04	0.00	0.00	29.40	11.04	0.00	0.00
26.85	11.04	0.00	0.00	29.45	11.04	0.00	0.00
26.90	11.04	0.00	0.00	29.50	11.04	0.00	0.00
26.95	11.04	0.00	0.00	29.55	11.04	0.00	0.00
27.00	11.04	0.00	0.00	29.60	11.04	0.00	0.00
27.05	11.04	0.00	0.00	29.65	11.04	0.00	0.00
27.10	11.04	0.00	0.00	29.70	11.04	0.00	0.00
27.15	11.04	0.00	0.00	29.75	11.04	0.00	0.00
27.20	11.04	0.00	0.00	29.80	11.04	0.00	0.00
27.25	11.04	0.00	0.00	29.85	11.04	0.00	0.00
27.30	11.04	0.00	0.00	29.90	11.04	0.00	0.00
27.35	11.04	0.00	0.00	29.95	11.04	0.00	0.00
27.40	11.04	0.00	0.00	30.00	11.04	0.00	0.00
27.45	11.04	0.00	0.00	30.05	11.04	0.00	0.00
27.50	11.04	0.00	0.00	30.10	11.04	0.00	0.00
27.55	11.04	0.00	0.00	30.15	11.04	0.00	0.00
27.60	11.04	0.00	0.00	30.20	11.04	0.00	0.00
27.65	11.04	0.00	0.00	30.25	11.04	0.00	0.00
27.70	11.04	0.00	0.00	30.30	11.04	0.00	0.00
27.75	11.04	0.00	0.00	30.35	11.04	0.00	0.00
27.80	11.04	0.00	0.00	30.40	11.04	0.00	0.00
27.85	11.04	0.00	0.00	30.45	11.04	0.00	0.00
27.90	11.04	0.00	0.00	30.50	11.04	0.00	0.00
27.95	11.04	0.00	0.00	30.55	11.04	0.00	0.00
28.00	11.04	0.00	0.00	30.60	11.04	0.00	0.00
28.05	11.04	0.00	0.00	30.65	11.04	0.00	0.00
28.10	11.04	0.00	0.00	30.70	11.04	0.00	0.00
28.15	11.04	0.00	0.00	30.75	11.04	0.00	0.00
28.20	11.04	0.00	0.00	30.80	11.04	0.00	0.00
28.25	11.04	0.00	0.00	30.85	11.04	0.00	0.00
28.30	11.04	0.00	0.00	30.90	11.04	0.00	0.00
28.35	11.04	0.00	0.00	30.95	11.04	0.00	0.00
28.40	11.04	0.00	0.00	31.00	11.04	0.00	0.00
28.45	11.04	0.00	0.00	31.05	11.04	0.00	0.00
28.50	11.04	0.00	0.00	31.10	11.04	0.00	0.00
28.55	11.04	0.00	0.00	31.15	11.04	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	0.00	0.00	33.80	11.04	0.00	0.00
31.25	11.04	0.00	0.00	33.85	11.04	0.00	0.00
31.30	11.04	0.00	0.00	33.90	11.04	0.00	0.00
31.35	11.04	0.00	0.00	33.95	11.04	0.00	0.00
31.40	11.04	0.00	0.00	34.00	11.04	0.00	0.00
31.45	11.04	0.00	0.00	34.05	11.04	0.00	0.00
31.50	11.04	0.00	0.00	34.10	11.04	0.00	0.00
31.55	11.04	0.00	0.00	34.15	11.04	0.00	0.00
31.60	11.04	0.00	0.00	34.20	11.04	0.00	0.00
31.65	11.04	0.00	0.00	34.25	11.04	0.00	0.00
31.70	11.04	0.00	0.00	34.30	11.04	0.00	0.00
31.75	11.04	0.00	0.00	34.35	11.04	0.00	0.00
31.80	11.04	0.00	0.00	34.40	11.04	0.00	0.00
31.85	11.04	0.00	0.00	34.45	11.04	0.00	0.00
31.90	11.04	0.00	0.00	34.50	11.04	0.00	0.00
31.95	11.04	0.00	0.00	34.55	11.04	0.00	0.00
32.00	11.04	0.00	0.00	34.60	11.04	0.00	0.00
32.05	11.04	0.00	0.00	34.65	11.04	0.00	0.00
32.10	11.04	0.00	0.00	34.70	11.04	0.00	0.00
32.15	11.04	0.00	0.00	34.75	11.04	0.00	0.00
32.20	11.04	0.00	0.00	34.80	11.04	0.00	0.00
32.25	11.04	0.00	0.00	34.85	11.04	0.00	0.00
32.30	11.04	0.00	0.00	34.90	11.04	0.00	0.00
32.35	11.04	0.00	0.00	34.95	11.04	0.00	0.00
32.40	11.04	0.00	0.00	35.00	11.04	0.00	0.00
32.45	11.04	0.00	0.00	35.05	11.04	0.00	0.00
32.50	11.04	0.00	0.00	35.10	11.04	0.00	0.00
32.55	11.04	0.00	0.00	35.15	11.04	0.00	0.00
32.60	11.04	0.00	0.00	35.20	11.04	0.00	0.00
32.65	11.04	0.00	0.00	35.25	11.04	0.00	0.00
32.70	11.04	0.00	0.00	35.30	11.04	0.00	0.00
32.75	11.04	0.00	0.00	35.35	11.04	0.00	0.00
32.80	11.04	0.00	0.00	35.40	11.04	0.00	0.00
32.85	11.04	0.00	0.00	35.45	11.04	0.00	0.00
32.90	11.04	0.00	0.00	35.50	11.04	0.00	0.00
32.95	11.04	0.00	0.00	35.55	11.04	0.00	0.00
33.00	11.04	0.00	0.00	35.60	11.04	0.00	0.00
33.05	11.04	0.00	0.00	35.65	11.04	0.00	0.00
33.10	11.04	0.00	0.00	35.70	11.04	0.00	0.00
33.15	11.04	0.00	0.00	35.75	11.04	0.00	0.00
33.20	11.04	0.00	0.00	35.80	11.04	0.00	0.00
33.25	11.04	0.00	0.00	35.85	11.04	0.00	0.00
33.30	11.04	0.00	0.00	35.90	11.04	0.00	0.00
33.35	11.04	0.00	0.00	35.95	11.04	0.00	0.00
33.40	11.04	0.00	0.00	36.00	11.04	0.00	0.00
33.45	11.04	0.00	0.00	36.05	11.04	0.00	0.00
33.50	11.04	0.00	0.00	36.10	11.04	0.00	0.00
33.55	11.04	0.00	0.00	36.15	11.04	0.00	0.00
33.60	11.04	0.00	0.00	36.20	11.04	0.00	0.00
33.65	11.04	0.00	0.00	36.25	11.04	0.00	0.00
33.70	11.04	0.00	0.00	36.30	11.04	0.00	0.00
33.75	11.04	0.00	0.00	36.35	11.04	0.00	0.00

Hydrograph for Subcatchment 5I: PDA-5 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	0.00	0.00
36.45	11.04	0.00	0.00
36.50	11.04	0.00	0.00
36.55	11.04	0.00	0.00
36.60	11.04	0.00	0.00
36.65	11.04	0.00	0.00
36.70	11.04	0.00	0.00
36.75	11.04	0.00	0.00
36.80	11.04	0.00	0.00
36.85	11.04	0.00	0.00
36.90	11.04	0.00	0.00
36.95	11.04	0.00	0.00
37.00	11.04	0.00	0.00
37.05	11.04	0.00	0.00
37.10	11.04	0.00	0.00
37.15	11.04	0.00	0.00
37.20	11.04	0.00	0.00
37.25	11.04	0.00	0.00
37.30	11.04	0.00	0.00
37.35	11.04	0.00	0.00
37.40	11.04	0.00	0.00
37.45	11.04	0.00	0.00
37.50	11.04	0.00	0.00
37.55	11.04	0.00	0.00
37.60	11.04	0.00	0.00
37.65	11.04	0.00	0.00
37.70	11.04	0.00	0.00
37.75	11.04	0.00	0.00
37.80	11.04	0.00	0.00
37.85	11.04	0.00	0.00
37.90	11.04	0.00	0.00
37.95	11.04	0.00	0.00
38.00	11.04	0.00	0.00
38.05	11.04	0.00	0.00
38.10	11.04	0.00	0.00
38.15	11.04	0.00	0.00
38.20	11.04	0.00	0.00
38.25	11.04	0.00	0.00
38.30	11.04	0.00	0.00
38.35	11.04	0.00	0.00
38.40	11.04	0.00	0.00
38.45	11.04	0.00	0.00
38.50	11.04	0.00	0.00
38.55	11.04	0.00	0.00
38.60	11.04	0.00	0.00
38.65	11.04	0.00	0.00
38.70	11.04	0.00	0.00
38.75	11.04	0.00	0.00
38.80	11.04	0.00	0.00
38.85	11.04	0.00	0.00
38.90	11.04	0.00	0.00
38.95	11.04	0.00	0.00
39.00	11.04	0.00	0.00
39.05	11.04	0.00	0.00
39.10	11.04	0.00	0.00
39.15	11.04	0.00	0.00
39.20	11.04	0.00	0.00
39.25	11.04	0.00	0.00
39.30	11.04	0.00	0.00
39.35	11.04	0.00	0.00
39.40	11.04	0.00	0.00
39.45	11.04	0.00	0.00
39.50	11.04	0.00	0.00
39.55	11.04	0.00	0.00
39.60	11.04	0.00	0.00
39.65	11.04	0.00	0.00
39.70	11.04	0.00	0.00
39.75	11.04	0.00	0.00
39.80	11.04	0.00	0.00
39.85	11.04	0.00	0.00
39.90	11.04	0.00	0.00
39.95	11.04	0.00	0.00
40.00	11.04	0.00	0.00

Summary for Subcatchment 5P: PDA-5 (pervious)

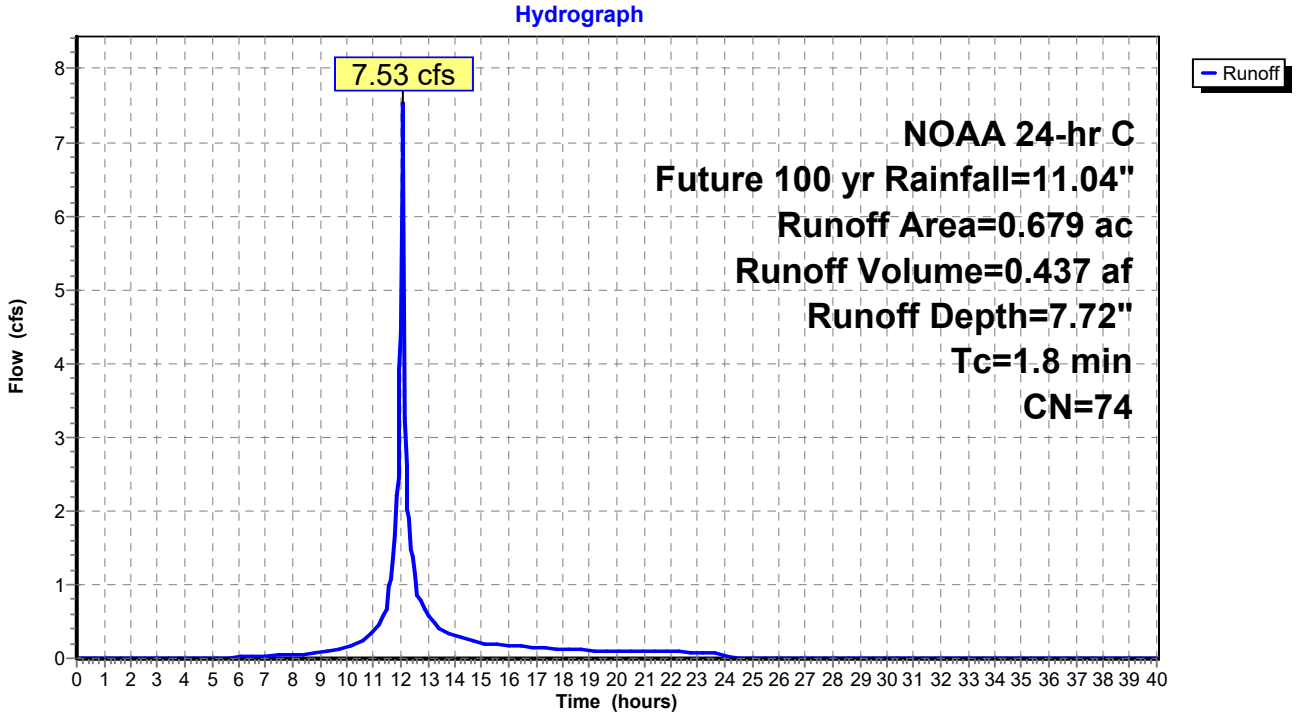
Runoff = 7.53 cfs @ 12.08 hrs, Volume= 0.437 af, Depth= 7.72"
Routed to Pond B-5 : Basin #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.679	74	>75% Grass cover, Good, HSG C
0.679		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 5P: PDA-5 (pervious)



Hydrograph for Subcatchment 5P: PDA-5 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.04
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.05
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.05
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.05
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.05
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.05
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.05
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.05
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.06
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.06
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.06
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.06
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.06
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.06
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.06
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.06
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.07
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.07
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.07
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.07
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.07
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.07
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.07
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.08
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.08
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.08
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.08
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.09
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.09
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.10
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.10
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.10
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.10
6.85	1.04	0.03	0.02	9.45	1.77	0.25	0.11
6.90	1.05	0.03	0.03	9.50	1.79	0.26	0.11
6.95	1.07	0.03	0.03	9.55	1.81	0.27	0.12
7.00	1.08	0.04	0.03	9.60	1.83	0.28	0.12
7.05	1.09	0.04	0.03	9.65	1.85	0.28	0.12
7.10	1.10	0.04	0.03	9.70	1.88	0.29	0.13
7.15	1.11	0.04	0.03	9.75	1.90	0.30	0.13
7.20	1.12	0.04	0.03	9.80	1.92	0.31	0.14
7.25	1.13	0.05	0.03	9.85	1.94	0.32	0.14
7.30	1.15	0.05	0.03	9.90	1.97	0.33	0.14
7.35	1.16	0.05	0.03	9.95	1.99	0.34	0.15
7.40	1.17	0.05	0.04	10.00	2.01	0.36	0.15
7.45	1.18	0.06	0.04	10.05	2.04	0.37	0.16
7.50	1.19	0.06	0.04	10.10	2.06	0.38	0.16
7.55	1.21	0.06	0.04	10.15	2.09	0.39	0.17
7.60	1.22	0.07	0.04	10.20	2.11	0.40	0.17
7.65	1.23	0.07	0.04	10.25	2.14	0.42	0.18
7.70	1.24	0.07	0.04	10.30	2.17	0.43	0.18
7.75	1.26	0.08	0.04	10.35	2.19	0.44	0.19

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.19	13.00	8.39	5.28	0.61
10.45	2.25	0.47	0.20	13.05	8.43	5.32	0.55
10.50	2.28	0.49	0.20	13.10	8.48	5.36	0.54
10.55	2.31	0.50	0.22	13.15	8.52	5.39	0.51
10.60	2.34	0.52	0.23	13.20	8.56	5.43	0.50
10.65	2.37	0.54	0.25	13.25	8.60	5.46	0.47
10.70	2.41	0.56	0.26	13.30	8.63	5.50	0.46
10.75	2.44	0.58	0.28	13.35	8.67	5.53	0.43
10.80	2.48	0.60	0.29	13.40	8.70	5.56	0.42
10.85	2.52	0.62	0.31	13.45	8.73	5.59	0.39
10.90	2.56	0.64	0.32	13.50	8.76	5.61	0.38
10.95	2.61	0.67	0.34	13.55	8.79	5.64	0.35
11.00	2.65	0.69	0.35	13.60	8.82	5.67	0.35
11.05	2.70	0.72	0.39	13.65	8.85	5.69	0.34
11.10	2.75	0.75	0.41	13.70	8.87	5.71	0.34
11.15	2.80	0.79	0.45	13.75	8.90	5.74	0.33
11.20	2.86	0.82	0.47	13.80	8.93	5.76	0.33
11.25	2.92	0.86	0.52	13.85	8.95	5.79	0.32
11.30	2.98	0.90	0.53	13.90	8.98	5.81	0.32
11.35	3.05	0.94	0.58	13.95	9.00	5.83	0.31
11.40	3.12	0.98	0.60	14.00	9.03	5.85	0.31
11.45	3.19	1.03	0.64	14.05	9.05	5.88	0.30
11.50	3.26	1.08	0.68	14.10	9.07	5.90	0.30
11.55	3.37	1.15	0.98	14.15	9.10	5.92	0.29
11.60	3.49	1.23	1.05	14.20	9.12	5.94	0.29
11.65	3.60	1.31	1.11	14.25	9.14	5.96	0.28
11.70	3.72	1.39	1.16	14.30	9.16	5.98	0.28
11.75	3.88	1.51	1.53	14.35	9.19	6.00	0.27
11.80	4.04	1.63	1.65	14.40	9.21	6.02	0.27
11.85	4.27	1.79	2.20	14.45	9.23	6.04	0.26
11.90	4.49	1.96	2.45	14.50	9.25	6.06	0.26
11.95	4.88	2.27	3.90	14.55	9.27	6.07	0.25
12.00	5.26	2.57	4.42	14.60	9.29	6.09	0.24
12.05	5.91	3.11	6.91	14.65	9.31	6.11	0.24
12.10	6.55	3.65	**7.13**	14.70	9.32	6.13	0.23
12.15	6.77	3.85	3.25	14.75	9.34	6.14	0.23
12.20	7.00	4.04	2.61	14.80	9.36	6.16	0.23
12.25	7.16	4.18	2.02	14.85	9.38	6.17	0.22
12.30	7.32	4.32	1.90	14.90	9.40	6.19	0.21
12.35	7.44	4.43	1.48	14.95	9.41	6.21	0.21
12.40	7.55	4.53	1.42	15.00	9.43	6.22	0.20
12.45	7.67	4.63	1.36	15.05	9.44	6.23	0.20
12.50	7.78	4.73	1.32	15.10	9.46	6.25	0.19
12.55	7.85	4.79	0.94	15.15	9.47	6.26	0.19
12.60	7.92	4.86	0.88	15.20	9.49	6.28	0.19
12.65	7.99	4.92	0.83	15.25	9.50	6.29	0.19
12.70	8.06	4.98	0.82	15.30	9.52	6.30	0.19
12.75	8.12	5.03	0.76	15.35	9.53	6.32	0.19
12.80	8.18	5.09	0.75	15.40	9.55	6.33	0.19
12.85	8.24	5.14	0.69	15.45	9.56	6.34	0.18
12.90	8.29	5.19	0.68	15.50	9.58	6.36	0.18
12.95	8.34	5.23	0.62	15.55	9.59	6.37	0.18

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.18	18.20	10.20	6.93	0.11
15.65	9.62	6.40	0.18	18.25	10.21	6.94	0.11
15.70	9.64	6.41	0.18	18.30	10.22	6.95	0.11
15.75	9.65	6.42	0.18	18.35	10.23	6.96	0.11
15.80	9.66	6.44	0.18	18.40	10.24	6.97	0.11
15.85	9.68	6.45	0.17	18.45	10.24	6.97	0.11
15.90	9.69	6.46	0.17	18.50	10.25	6.98	0.11
15.95	9.70	6.47	0.17	18.55	10.26	6.99	0.11
16.00	9.72	6.49	0.17	18.60	10.27	7.00	0.11
16.05	9.73	6.50	0.17	18.65	10.28	7.01	0.11
16.10	9.74	6.51	0.17	18.70	10.29	7.01	0.11
16.15	9.76	6.52	0.17	18.75	10.30	7.02	0.11
16.20	9.77	6.54	0.16	18.80	10.30	7.03	0.11
16.25	9.78	6.55	0.16	18.85	10.31	7.04	0.11
16.30	9.80	6.56	0.16	18.90	10.32	7.04	0.11
16.35	9.81	6.57	0.16	18.95	10.33	7.05	0.11
16.40	9.82	6.58	0.16	19.00	10.34	7.06	0.11
16.45	9.83	6.59	0.16	19.05	10.35	7.07	0.11
16.50	9.85	6.60	0.16	19.10	10.35	7.08	0.11
16.55	9.86	6.62	0.15	19.15	10.36	7.08	0.11
16.60	9.87	6.63	0.15	19.20	10.37	7.09	0.11
16.65	9.88	6.64	0.15	19.25	10.38	7.10	0.10
16.70	9.89	6.65	0.15	19.30	10.39	7.11	0.10
16.75	9.91	6.66	0.15	19.35	10.40	7.11	0.10
16.80	9.92	6.67	0.15	19.40	10.40	7.12	0.10
16.85	9.93	6.68	0.15	19.45	10.41	7.13	0.10
16.90	9.94	6.69	0.15	19.50	10.42	7.14	0.10
16.95	9.95	6.70	0.14	19.55	10.43	7.14	0.10
17.00	9.96	6.71	0.14	19.60	10.44	7.15	0.10
17.05	9.97	6.72	0.14	19.65	10.44	7.16	0.10
17.10	9.99	6.73	0.14	19.70	10.45	7.17	0.10
17.15	10.00	6.74	0.14	19.75	10.46	7.17	0.10
17.20	10.01	6.75	0.14	19.80	10.47	7.18	0.10
17.25	10.02	6.76	0.13	19.85	10.48	7.19	0.10
17.30	10.03	6.77	0.13	19.90	10.48	7.20	0.10
17.35	10.04	6.78	0.13	19.95	10.49	7.20	0.10
17.40	10.05	6.79	0.13	20.00	10.50	7.21	0.10
17.45	10.06	6.80	0.13	20.05	10.51	7.22	0.10
17.50	10.07	6.81	0.13	20.10	10.52	7.23	0.10
17.55	10.08	6.82	0.13	20.15	10.52	7.23	0.10
17.60	10.09	6.83	0.13	20.20	10.53	7.24	0.10
17.65	10.10	6.84	0.12	20.25	10.54	7.25	0.10
17.70	10.11	6.85	0.12	20.30	10.55	7.25	0.10
17.75	10.12	6.86	0.12	20.35	10.55	7.26	0.10
17.80	10.13	6.87	0.12	20.40	10.56	7.27	0.10
17.85	10.14	6.87	0.12	20.45	10.57	7.28	0.10
17.90	10.15	6.88	0.12	20.50	10.58	7.28	0.10
17.95	10.16	6.89	0.12	20.55	10.58	7.29	0.10
18.00	10.17	6.90	0.12	20.60	10.59	7.30	0.10
18.05	10.17	6.91	0.11	20.65	10.60	7.30	0.10
18.10	10.18	6.92	0.11	20.70	10.61	7.31	0.09
18.15	10.19	6.92	0.11	20.75	10.61	7.32	0.09

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.09	23.40	10.97	7.65	0.08
20.85	10.63	7.33	0.09	23.45	10.97	7.65	0.08
20.90	10.64	7.34	0.09	23.50	10.98	7.66	0.08
20.95	10.64	7.34	0.09	23.55	10.99	7.66	0.08
21.00	10.65	7.35	0.09	23.60	10.99	7.67	0.07
21.05	10.66	7.36	0.09	23.65	11.00	7.67	0.07
21.10	10.66	7.36	0.09	23.70	11.00	7.68	0.07
21.15	10.67	7.37	0.09	23.75	11.01	7.69	0.07
21.20	10.68	7.38	0.09	23.80	11.01	7.69	0.07
21.25	10.69	7.38	0.09	23.85	11.02	7.70	0.07
21.30	10.69	7.39	0.09	23.90	11.03	7.70	0.07
21.35	10.70	7.40	0.09	23.95	11.03	7.71	0.09
21.40	10.71	7.40	0.09	24.00	**11.04**	**7.72**	0.08
21.45	10.71	7.41	0.09	24.05	11.04	7.72	0.01
21.50	10.72	7.42	0.09	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.09	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.09	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.09	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.09	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.09	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.09	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.09	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.09	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.09	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.09	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.09	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.09	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.09	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.09	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.08	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.08	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.08	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.08	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.08	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.08	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.08	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.08	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.08	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.08	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.08	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.08	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.08	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.08	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.08	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.08	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.08	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.08	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.08	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.08	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.08	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.08	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.08	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 5P: PDA-5 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 6l: PDA-6 (impervious)

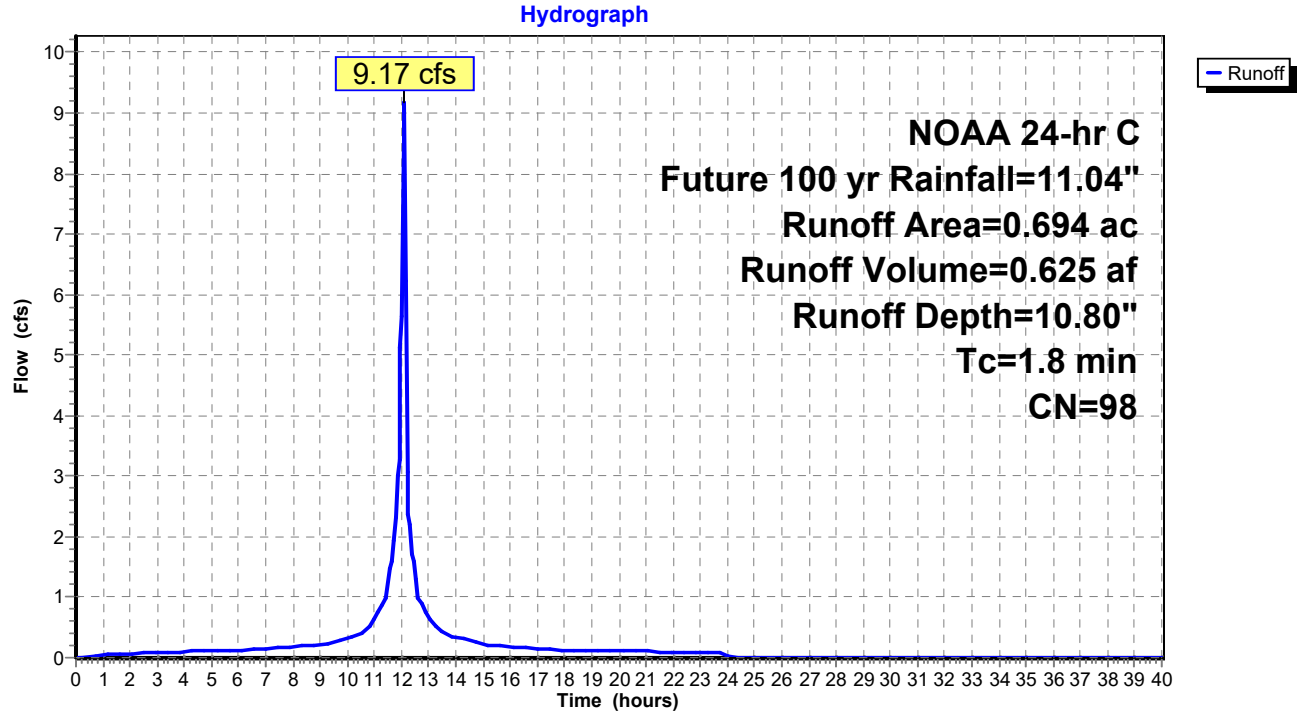
Runoff = 9.17 cfs @ 12.08 hrs, Volume= 0.625 af, Depth=10.80"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.459	98	Pavement, HSG C
*	0.129	98	Roof, HSG C
*	0.106	98	Concrete, HSG C
	0.694	98	Weighted Average
	0.694		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6l: PDA-6 (impervious)



Hydrograph for Subcatchment 6I: PDA-6 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.08
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.08
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.08
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.08
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.09
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.09
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.09
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.09
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.09
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.09
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.09
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.09
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.09
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.09
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.10
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.10
1.10	0.13	0.03	0.04	3.70	0.49	0.31	0.10
1.15	0.14	0.03	0.05	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.10
1.25	0.15	0.04	0.05	3.85	0.52	0.33	0.10
1.30	0.16	0.04	0.05	3.90	0.52	0.34	0.10
1.35	0.16	0.05	0.05	3.95	0.53	0.35	0.10
1.40	0.17	0.05	0.06	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.06	4.05	0.55	0.36	0.10
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.10
1.55	0.19	0.06	0.06	4.15	0.56	0.38	0.10
1.60	0.20	0.07	0.06	4.20	0.57	0.38	0.10
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.10
1.70	0.21	0.08	0.06	4.30	0.59	0.40	0.10
1.75	0.22	0.08	0.06	4.35	0.60	0.41	0.10
1.80	0.22	0.09	0.07	4.40	0.60	0.41	0.10
1.85	0.23	0.09	0.07	4.45	0.61	0.42	0.10
1.90	0.24	0.10	0.07	4.50	0.62	0.43	0.11
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.11
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.11
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.11
2.10	0.26	0.12	0.07	4.70	0.65	0.46	0.11
2.15	0.27	0.12	0.07	4.75	0.66	0.47	0.11
2.20	0.28	0.13	0.07	4.80	0.67	0.47	0.11
2.25	0.28	0.13	0.08	4.85	0.68	0.48	0.11
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.11
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.11
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.11
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.11
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.11
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.11

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.11	7.80	1.27	1.05	0.18
5.25	0.74	0.55	0.11	7.85	1.28	1.07	0.18
5.30	0.75	0.55	0.11	7.90	1.30	1.08	0.18
5.35	0.76	0.56	0.11	7.95	1.31	1.09	0.18
5.40	0.77	0.57	0.11	8.00	1.32	1.11	0.18
5.45	0.78	0.58	0.11	8.05	1.34	1.12	0.18
5.50	0.79	0.59	0.11	8.10	1.35	1.13	0.19
5.55	0.80	0.59	0.12	8.15	1.36	1.15	0.19
5.60	0.80	0.60	0.12	8.20	1.38	1.16	0.19
5.65	0.81	0.61	0.12	8.25	1.39	1.17	0.19
5.70	0.82	0.62	0.12	8.30	1.40	1.19	0.19
5.75	0.83	0.63	0.12	8.35	1.42	1.20	0.19
5.80	0.84	0.64	0.12	8.40	1.43	1.21	0.19
5.85	0.85	0.64	0.12	8.45	1.45	1.23	0.20
5.90	0.86	0.65	0.12	8.50	1.46	1.24	0.20
5.95	0.87	0.66	0.12	8.55	1.48	1.26	0.20
6.00	0.87	0.67	0.12	8.60	1.49	1.27	0.20
6.05	0.88	0.68	0.12	8.65	1.51	1.29	0.20
6.10	0.89	0.69	0.12	8.70	1.52	1.30	0.20
6.15	0.90	0.70	0.13	8.75	1.54	1.32	0.21
6.20	0.91	0.71	0.13	8.80	1.55	1.33	0.21
6.25	0.92	0.71	0.13	8.85	1.57	1.35	0.21
6.30	0.93	0.72	0.13	8.90	1.58	1.36	0.21
6.35	0.94	0.73	0.13	8.95	1.60	1.38	0.21
6.40	0.95	0.74	0.13	9.00	1.61	1.39	0.21
6.45	0.96	0.75	0.13	9.05	1.63	1.41	0.22
6.50	0.97	0.76	0.14	9.10	1.64	1.42	0.23
6.55	0.98	0.77	0.14	9.15	1.66	1.44	0.24
6.60	0.99	0.78	0.14	9.20	1.68	1.46	0.24
6.65	1.00	0.79	0.14	9.25	1.70	1.47	0.25
6.70	1.01	0.80	0.14	9.30	1.72	1.49	0.25
6.75	1.02	0.81	0.14	9.35	1.73	1.51	0.26
6.80	1.03	0.82	0.14	9.40	1.75	1.53	0.26
6.85	1.04	0.83	0.15	9.45	1.77	1.55	0.27
6.90	1.05	0.84	0.15	9.50	1.79	1.57	0.27
6.95	1.07	0.85	0.15	9.55	1.81	1.59	0.28
7.00	1.08	0.87	0.15	9.60	1.83	1.61	0.28
7.05	1.09	0.88	0.15	9.65	1.85	1.63	0.29
7.10	1.10	0.89	0.15	9.70	1.88	1.65	0.30
7.15	1.11	0.90	0.16	9.75	1.90	1.67	0.30
7.20	1.12	0.91	0.16	9.80	1.92	1.69	0.31
7.25	1.13	0.92	0.16	9.85	1.94	1.72	0.32
7.30	1.15	0.93	0.16	9.90	1.97	1.74	0.32
7.35	1.16	0.94	0.16	9.95	1.99	1.76	0.33
7.40	1.17	0.96	0.16	10.00	2.01	1.79	0.33
7.45	1.18	0.97	0.17	10.05	2.04	1.81	0.34
7.50	1.19	0.98	0.17	10.10	2.06	1.84	0.34
7.55	1.21	0.99	0.17	10.15	2.09	1.86	0.35
7.60	1.22	1.00	0.17	10.20	2.11	1.89	0.35
7.65	1.23	1.02	0.17	10.25	2.14	1.91	0.36
7.70	1.24	1.03	0.17	10.30	2.17	1.94	0.36
7.75	1.26	1.04	0.18	10.35	2.19	1.97	0.37

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.38	13.00	8.39	8.15	0.69
10.45	2.25	2.02	0.39	13.05	8.43	8.19	0.62
10.50	2.28	2.05	0.39	13.10	8.48	8.24	0.61
10.55	2.31	2.08	0.43	13.15	8.52	8.28	0.57
10.60	2.34	2.11	0.43	13.20	8.56	8.32	0.56
10.65	2.37	2.14	0.47	13.25	8.60	8.36	0.53
10.70	2.41	2.18	0.48	13.30	8.63	8.39	0.52
10.75	2.44	2.21	0.51	13.35	8.67	8.43	0.48
10.80	2.48	2.25	0.52	13.40	8.70	8.46	0.48
10.85	2.52	2.29	0.56	13.45	8.73	8.49	0.44
10.90	2.56	2.33	0.57	13.50	8.76	8.52	0.43
10.95	2.61	2.38	0.60	13.55	8.79	8.55	0.40
11.00	2.65	2.42	0.62	13.60	8.82	8.58	0.39
11.05	2.70	2.47	0.68	13.65	8.85	8.61	0.38
11.10	2.75	2.52	0.70	13.70	8.87	8.63	0.38
11.15	2.80	2.57	0.76	13.75	8.90	8.66	0.37
11.20	2.86	2.63	0.78	13.80	8.93	8.69	0.37
11.25	2.92	2.69	0.85	13.85	8.95	8.71	0.36
11.30	2.98	2.75	0.86	13.90	8.98	8.74	0.36
11.35	3.05	2.82	0.93	13.95	9.00	8.76	0.35
11.40	3.12	2.89	0.95	14.00	9.03	8.79	0.34
11.45	3.19	2.96	1.00	14.05	9.05	8.81	0.33
11.50	3.26	3.03	1.04	14.10	9.07	8.83	0.33
11.55	3.37	3.14	1.49	14.15	9.10	8.86	0.32
11.60	3.49	3.25	1.56	14.20	9.12	8.88	0.32
11.65	3.60	3.37	1.63	14.25	9.14	8.90	0.31
11.70	3.72	3.49	1.68	14.30	9.16	8.92	0.31
11.75	3.88	3.65	2.17	14.35	9.19	8.95	0.30
11.80	4.04	3.81	2.31	14.40	9.21	8.97	0.30
11.85	4.27	4.03	3.01	14.45	9.23	8.99	0.29
11.90	4.49	4.25	3.28	14.50	9.25	9.01	0.29
11.95	4.88	4.64	5.11	14.55	9.27	9.03	0.28
12.00	5.26	5.02	5.64	14.60	9.29	9.05	0.27
12.05	5.91	5.67	8.56	14.65	9.31	9.07	0.26
12.10	6.55	6.31	**8.59**	14.70	9.32	9.08	0.26
12.15	6.77	6.53	3.86	14.75	9.34	9.10	0.25
12.20	7.00	6.76	3.07	14.80	9.36	9.12	0.25
12.25	7.16	6.92	2.36	14.85	9.38	9.14	0.24
12.30	7.32	7.08	2.21	14.90	9.40	9.15	0.24
12.35	7.44	7.20	1.72	14.95	9.41	9.17	0.23
12.40	7.55	7.31	1.64	15.00	9.43	9.19	0.23
12.45	7.67	7.43	1.57	15.05	9.44	9.20	0.22
12.50	7.78	7.54	1.52	15.10	9.46	9.22	0.22
12.55	7.85	7.61	1.08	15.15	9.47	9.23	0.21
12.60	7.92	7.68	1.00	15.20	9.49	9.25	0.21
12.65	7.99	7.75	0.95	15.25	9.50	9.26	0.21
12.70	8.06	7.82	0.94	15.30	9.52	9.28	0.21
12.75	8.12	7.88	0.87	15.35	9.53	9.29	0.21
12.80	8.18	7.94	0.86	15.40	9.55	9.31	0.21
12.85	8.24	8.00	0.79	15.45	9.56	9.32	0.20
12.90	8.29	8.05	0.77	15.50	9.58	9.34	0.20
12.95	8.34	8.10	0.71	15.55	9.59	9.35	0.20

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.20	18.20	10.20	9.96	0.12
15.65	9.62	9.38	0.20	18.25	10.21	9.97	0.12
15.70	9.64	9.39	0.20	18.30	10.22	9.98	0.12
15.75	9.65	9.41	0.19	18.35	10.23	9.99	0.12
15.80	9.66	9.42	0.19	18.40	10.24	9.99	0.12
15.85	9.68	9.44	0.19	18.45	10.24	10.00	0.12
15.90	9.69	9.45	0.19	18.50	10.25	10.01	0.12
15.95	9.70	9.46	0.19	18.55	10.26	10.02	0.12
16.00	9.72	9.48	0.19	18.60	10.27	10.03	0.12
16.05	9.73	9.49	0.19	18.65	10.28	10.04	0.12
16.10	9.74	9.50	0.19	18.70	10.29	10.05	0.12
16.15	9.76	9.52	0.18	18.75	10.30	10.05	0.12
16.20	9.77	9.53	0.18	18.80	10.30	10.06	0.12
16.25	9.78	9.54	0.18	18.85	10.31	10.07	0.12
16.30	9.80	9.55	0.18	18.90	10.32	10.08	0.12
16.35	9.81	9.57	0.18	18.95	10.33	10.09	0.12
16.40	9.82	9.58	0.18	19.00	10.34	10.10	0.12
16.45	9.83	9.59	0.17	19.05	10.35	10.11	0.12
16.50	9.85	9.60	0.17	19.10	10.35	10.11	0.12
16.55	9.86	9.62	0.17	19.15	10.36	10.12	0.12
16.60	9.87	9.63	0.17	19.20	10.37	10.13	0.12
16.65	9.88	9.64	0.17	19.25	10.38	10.14	0.12
16.70	9.89	9.65	0.17	19.30	10.39	10.15	0.12
16.75	9.91	9.66	0.16	19.35	10.40	10.15	0.11
16.80	9.92	9.68	0.16	19.40	10.40	10.16	0.11
16.85	9.93	9.69	0.16	19.45	10.41	10.17	0.11
16.90	9.94	9.70	0.16	19.50	10.42	10.18	0.11
16.95	9.95	9.71	0.16	19.55	10.43	10.19	0.11
17.00	9.96	9.72	0.16	19.60	10.44	10.20	0.11
17.05	9.97	9.73	0.16	19.65	10.44	10.20	0.11
17.10	9.99	9.74	0.16	19.70	10.45	10.21	0.11
17.15	10.00	9.76	0.15	19.75	10.46	10.22	0.11
17.20	10.01	9.77	0.15	19.80	10.47	10.23	0.11
17.25	10.02	9.78	0.15	19.85	10.48	10.24	0.11
17.30	10.03	9.79	0.15	19.90	10.48	10.24	0.11
17.35	10.04	9.80	0.15	19.95	10.49	10.25	0.11
17.40	10.05	9.81	0.15	20.00	10.50	10.26	0.11
17.45	10.06	9.82	0.14	20.05	10.51	10.27	0.11
17.50	10.07	9.83	0.14	20.10	10.52	10.27	0.11
17.55	10.08	9.84	0.14	20.15	10.52	10.28	0.11
17.60	10.09	9.85	0.14	20.20	10.53	10.29	0.11
17.65	10.10	9.86	0.14	20.25	10.54	10.30	0.11
17.70	10.11	9.87	0.14	20.30	10.55	10.31	0.11
17.75	10.12	9.88	0.13	20.35	10.55	10.31	0.11
17.80	10.13	9.89	0.13	20.40	10.56	10.32	0.11
17.85	10.14	9.90	0.13	20.45	10.57	10.33	0.11
17.90	10.15	9.91	0.13	20.50	10.58	10.34	0.11
17.95	10.16	9.92	0.13	20.55	10.58	10.34	0.11
18.00	10.17	9.92	0.13	20.60	10.59	10.35	0.11
18.05	10.17	9.93	0.12	20.65	10.60	10.36	0.10
18.10	10.18	9.94	0.12	20.70	10.61	10.37	0.10
18.15	10.19	9.95	0.12	20.75	10.61	10.37	0.10

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.10	23.40	10.97	10.73	0.08
20.85	10.63	10.39	0.10	23.45	10.97	10.73	0.08
20.90	10.64	10.39	0.10	23.50	10.98	10.74	0.08
20.95	10.64	10.40	0.10	23.55	10.99	10.74	0.08
21.00	10.65	10.41	0.10	23.60	10.99	10.75	0.08
21.05	10.66	10.42	0.10	23.65	11.00	10.76	0.08
21.10	10.66	10.42	0.10	23.70	11.00	10.76	0.08
21.15	10.67	10.43	0.10	23.75	11.01	10.77	0.08
21.20	10.68	10.44	0.10	23.80	11.01	10.77	0.08
21.25	10.69	10.45	0.10	23.85	11.02	10.78	0.08
21.30	10.69	10.45	0.10	23.90	11.03	10.78	0.08
21.35	10.70	10.46	0.10	23.95	11.03	10.79	0.10
21.40	10.71	10.47	0.10	24.00	**11.04**	**10.80**	0.09
21.45	10.71	10.47	0.10	24.05	11.04	10.80	0.01
21.50	10.72	10.48	0.10	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.10	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.10	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.10	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.10	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.10	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.10	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.10	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.09	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.09	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.09	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.09	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.09	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.09	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.09	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.09	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.09	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.09	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.09	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.09	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.09	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.09	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.09	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.09	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.09	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.09	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.09	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.09	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.09	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.09	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.09	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.09	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.09	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.09	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.08	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.08	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.08	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.08	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 6I: PDA-6 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 6P: PDA-6 (pervious)

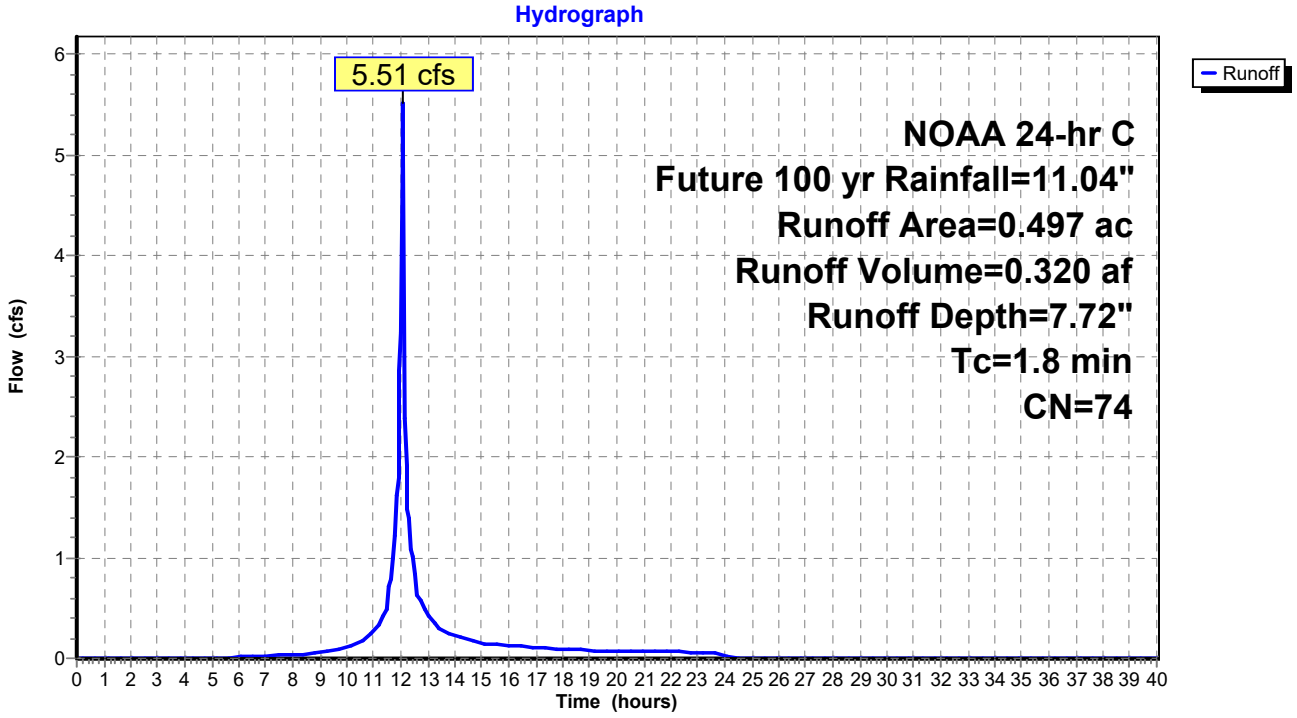
Runoff = 5.51 cfs @ 12.08 hrs, Volume= 0.320 af, Depth= 7.72"
Routed to Pond B-6 : Basin #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.497	74	>75% Grass cover, Good, HSG C
0.497		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.8					**Direct Entry,**

Subcatchment 6P: PDA-6 (pervious)



Hydrograph for Subcatchment 6P: PDA-6 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.03
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.03
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.03
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.04
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.04
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.04
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.04
5.55	0.80	0.00	0.00	8.15	1.36	0.10	0.04
5.60	0.80	0.00	0.00	8.20	1.38	0.11	0.04
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.04
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.04
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.04
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.04
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.05
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.05
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.05
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.05
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.05
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.05
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.05
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.05
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.05
6.30	0.93	0.01	0.01	8.90	1.58	0.18	0.05
6.35	0.94	0.02	0.01	8.95	1.60	0.18	0.06
6.40	0.95	0.02	0.01	9.00	1.61	0.19	0.06
6.45	0.96	0.02	0.01	9.05	1.63	0.19	0.06
6.50	0.97	0.02	0.01	9.10	1.64	0.20	0.06
6.55	0.98	0.02	0.01	9.15	1.66	0.21	0.06
6.60	0.99	0.02	0.01	9.20	1.68	0.21	0.07
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.07
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.07
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.07
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.08
6.85	1.04	0.03	0.02	9.45	1.77	0.25	0.08
6.90	1.05	0.03	0.02	9.50	1.79	0.26	0.08
6.95	1.07	0.03	0.02	9.55	1.81	0.27	0.09
7.00	1.08	0.04	0.02	9.60	1.83	0.28	0.09
7.05	1.09	0.04	0.02	9.65	1.85	0.28	0.09
7.10	1.10	0.04	0.02	9.70	1.88	0.29	0.09
7.15	1.11	0.04	0.02	9.75	1.90	0.30	0.10
7.20	1.12	0.04	0.02	9.80	1.92	0.31	0.10
7.25	1.13	0.05	0.02	9.85	1.94	0.32	0.10
7.30	1.15	0.05	0.02	9.90	1.97	0.33	0.11
7.35	1.16	0.05	0.03	9.95	1.99	0.34	0.11
7.40	1.17	0.05	0.03	10.00	2.01	0.36	0.11
7.45	1.18	0.06	0.03	10.05	2.04	0.37	0.12
7.50	1.19	0.06	0.03	10.10	2.06	0.38	0.12
7.55	1.21	0.06	0.03	10.15	2.09	0.39	0.12
7.60	1.22	0.07	0.03	10.20	2.11	0.40	0.12
7.65	1.23	0.07	0.03	10.25	2.14	0.42	0.13
7.70	1.24	0.07	0.03	10.30	2.17	0.43	0.13
7.75	1.26	0.08	0.03	10.35	2.19	0.44	0.14

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.14	13.00	8.39	5.28	0.45
10.45	2.25	0.47	0.14	13.05	8.43	5.32	0.40
10.50	2.28	0.49	0.15	13.10	8.48	5.36	0.39
10.55	2.31	0.50	0.16	13.15	8.52	5.39	0.37
10.60	2.34	0.52	0.17	13.20	8.56	5.43	0.37
10.65	2.37	0.54	0.18	13.25	8.60	5.46	0.34
10.70	2.41	0.56	0.19	13.30	8.63	5.50	0.34
10.75	2.44	0.58	0.20	13.35	8.67	5.53	0.31
10.80	2.48	0.60	0.21	13.40	8.70	5.56	0.31
10.85	2.52	0.62	0.23	13.45	8.73	5.59	0.29
10.90	2.56	0.64	0.23	13.50	8.76	5.61	0.28
10.95	2.61	0.67	0.25	13.55	8.79	5.64	0.26
11.00	2.65	0.69	0.26	13.60	8.82	5.67	0.25
11.05	2.70	0.72	0.29	13.65	8.85	5.69	0.25
11.10	2.75	0.75	0.30	13.70	8.87	5.71	0.25
11.15	2.80	0.79	0.33	13.75	8.90	5.74	0.24
11.20	2.86	0.82	0.34	13.80	8.93	5.76	0.24
11.25	2.92	0.86	0.38	13.85	8.95	5.79	0.23
11.30	2.98	0.90	0.39	13.90	8.98	5.81	0.23
11.35	3.05	0.94	0.43	13.95	9.00	5.83	0.23
11.40	3.12	0.98	0.44	14.00	9.03	5.85	0.22
11.45	3.19	1.03	0.47	14.05	9.05	5.88	0.22
11.50	3.26	1.08	0.50	14.10	9.07	5.90	0.22
11.55	3.37	1.15	0.72	14.15	9.10	5.92	0.21
11.60	3.49	1.23	0.77	14.20	9.12	5.94	0.21
11.65	3.60	1.31	0.81	14.25	9.14	5.96	0.20
11.70	3.72	1.39	0.85	14.30	9.16	5.98	0.20
11.75	3.88	1.51	1.12	14.35	9.19	6.00	0.20
11.80	4.04	1.63	1.21	14.40	9.21	6.02	0.19
11.85	4.27	1.79	1.61	14.45	9.23	6.04	0.19
11.90	4.49	1.96	1.79	14.50	9.25	6.06	0.19
11.95	4.88	2.27	2.86	14.55	9.27	6.07	0.18
12.00	5.26	2.57	3.24	14.60	9.29	6.09	0.18
12.05	5.91	3.11	5.06	14.65	9.31	6.11	0.17
12.10	6.55	3.65	**5.22**	14.70	9.32	6.13	0.17
12.15	6.77	3.85	2.38	14.75	9.34	6.14	0.17
12.20	7.00	4.04	1.91	14.80	9.36	6.16	0.16
12.25	7.16	4.18	1.48	14.85	9.38	6.17	0.16
12.30	7.32	4.32	1.39	14.90	9.40	6.19	0.16
12.35	7.44	4.43	1.08	14.95	9.41	6.21	0.15
12.40	7.55	4.53	1.04	15.00	9.43	6.22	0.15
12.45	7.67	4.63	1.00	15.05	9.44	6.23	0.14
12.50	7.78	4.73	0.97	15.10	9.46	6.25	0.14
12.55	7.85	4.79	0.69	15.15	9.47	6.26	0.14
12.60	7.92	4.86	0.64	15.20	9.49	6.28	0.14
12.65	7.99	4.92	0.61	15.25	9.50	6.29	0.14
12.70	8.06	4.98	0.60	15.30	9.52	6.30	0.14
12.75	8.12	5.03	0.56	15.35	9.53	6.32	0.14
12.80	8.18	5.09	0.55	15.40	9.55	6.33	0.14
12.85	8.24	5.14	0.51	15.45	9.56	6.34	0.13
12.90	8.29	5.19	0.50	15.50	9.58	6.36	0.13
12.95	8.34	5.23	0.45	15.55	9.59	6.37	0.13

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.13	18.20	10.20	6.93	0.08
15.65	9.62	6.40	0.13	18.25	10.21	6.94	0.08
15.70	9.64	6.41	0.13	18.30	10.22	6.95	0.08
15.75	9.65	6.42	0.13	18.35	10.23	6.96	0.08
15.80	9.66	6.44	0.13	18.40	10.24	6.97	0.08
15.85	9.68	6.45	0.13	18.45	10.24	6.97	0.08
15.90	9.69	6.46	0.13	18.50	10.25	6.98	0.08
15.95	9.70	6.47	0.12	18.55	10.26	6.99	0.08
16.00	9.72	6.49	0.12	18.60	10.27	7.00	0.08
16.05	9.73	6.50	0.12	18.65	10.28	7.01	0.08
16.10	9.74	6.51	0.12	18.70	10.29	7.01	0.08
16.15	9.76	6.52	0.12	18.75	10.30	7.02	0.08
16.20	9.77	6.54	0.12	18.80	10.30	7.03	0.08
16.25	9.78	6.55	0.12	18.85	10.31	7.04	0.08
16.30	9.80	6.56	0.12	18.90	10.32	7.04	0.08
16.35	9.81	6.57	0.12	18.95	10.33	7.05	0.08
16.40	9.82	6.58	0.12	19.00	10.34	7.06	0.08
16.45	9.83	6.59	0.11	19.05	10.35	7.07	0.08
16.50	9.85	6.60	0.11	19.10	10.35	7.08	0.08
16.55	9.86	6.62	0.11	19.15	10.36	7.08	0.08
16.60	9.87	6.63	0.11	19.20	10.37	7.09	0.08
16.65	9.88	6.64	0.11	19.25	10.38	7.10	0.08
16.70	9.89	6.65	0.11	19.30	10.39	7.11	0.08
16.75	9.91	6.66	0.11	19.35	10.40	7.11	0.08
16.80	9.92	6.67	0.11	19.40	10.40	7.12	0.08
16.85	9.93	6.68	0.11	19.45	10.41	7.13	0.08
16.90	9.94	6.69	0.11	19.50	10.42	7.14	0.08
16.95	9.95	6.70	0.11	19.55	10.43	7.14	0.08
17.00	9.96	6.71	0.10	19.60	10.44	7.15	0.08
17.05	9.97	6.72	0.10	19.65	10.44	7.16	0.07
17.10	9.99	6.73	0.10	19.70	10.45	7.17	0.07
17.15	10.00	6.74	0.10	19.75	10.46	7.17	0.07
17.20	10.01	6.75	0.10	19.80	10.47	7.18	0.07
17.25	10.02	6.76	0.10	19.85	10.48	7.19	0.07
17.30	10.03	6.77	0.10	19.90	10.48	7.20	0.07
17.35	10.04	6.78	0.10	19.95	10.49	7.20	0.07
17.40	10.05	6.79	0.10	20.00	10.50	7.21	0.07
17.45	10.06	6.80	0.09	20.05	10.51	7.22	0.07
17.50	10.07	6.81	0.09	20.10	10.52	7.23	0.07
17.55	10.08	6.82	0.09	20.15	10.52	7.23	0.07
17.60	10.09	6.83	0.09	20.20	10.53	7.24	0.07
17.65	10.10	6.84	0.09	20.25	10.54	7.25	0.07
17.70	10.11	6.85	0.09	20.30	10.55	7.25	0.07
17.75	10.12	6.86	0.09	20.35	10.55	7.26	0.07
17.80	10.13	6.87	0.09	20.40	10.56	7.27	0.07
17.85	10.14	6.87	0.09	20.45	10.57	7.28	0.07
17.90	10.15	6.88	0.09	20.50	10.58	7.28	0.07
17.95	10.16	6.89	0.08	20.55	10.58	7.29	0.07
18.00	10.17	6.90	0.08	20.60	10.59	7.30	0.07
18.05	10.17	6.91	0.08	20.65	10.60	7.30	0.07
18.10	10.18	6.92	0.08	20.70	10.61	7.31	0.07
18.15	10.19	6.92	0.08	20.75	10.61	7.32	0.07

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.07	23.40	10.97	7.65	0.06
20.85	10.63	7.33	0.07	23.45	10.97	7.65	0.06
20.90	10.64	7.34	0.07	23.50	10.98	7.66	0.06
20.95	10.64	7.34	0.07	23.55	10.99	7.66	0.05
21.00	10.65	7.35	0.07	23.60	10.99	7.67	0.05
21.05	10.66	7.36	0.07	23.65	11.00	7.67	0.05
21.10	10.66	7.36	0.07	23.70	11.00	7.68	0.05
21.15	10.67	7.37	0.07	23.75	11.01	7.69	0.05
21.20	10.68	7.38	0.07	23.80	11.01	7.69	0.05
21.25	10.69	7.38	0.07	23.85	11.02	7.70	0.05
21.30	10.69	7.39	0.07	23.90	11.03	7.70	0.05
21.35	10.70	7.40	0.07	23.95	11.03	7.71	0.06
21.40	10.71	7.40	0.07	24.00	**11.04**	**7.72**	0.06
21.45	10.71	7.41	0.07	24.05	11.04	7.72	0.01
21.50	10.72	7.42	0.07	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.07	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.06	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.06	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.06	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.06	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.06	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.06	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.06	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.06	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.06	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.06	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.06	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.06	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.06	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.06	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.06	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.06	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.06	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.06	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.06	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.06	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.06	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.06	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.06	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.06	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.06	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.06	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.06	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.06	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.06	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.06	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.06	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.06	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.06	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.06	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.06	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.06	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 6P: PDA-6 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 7I: PDA-7 (impervious)

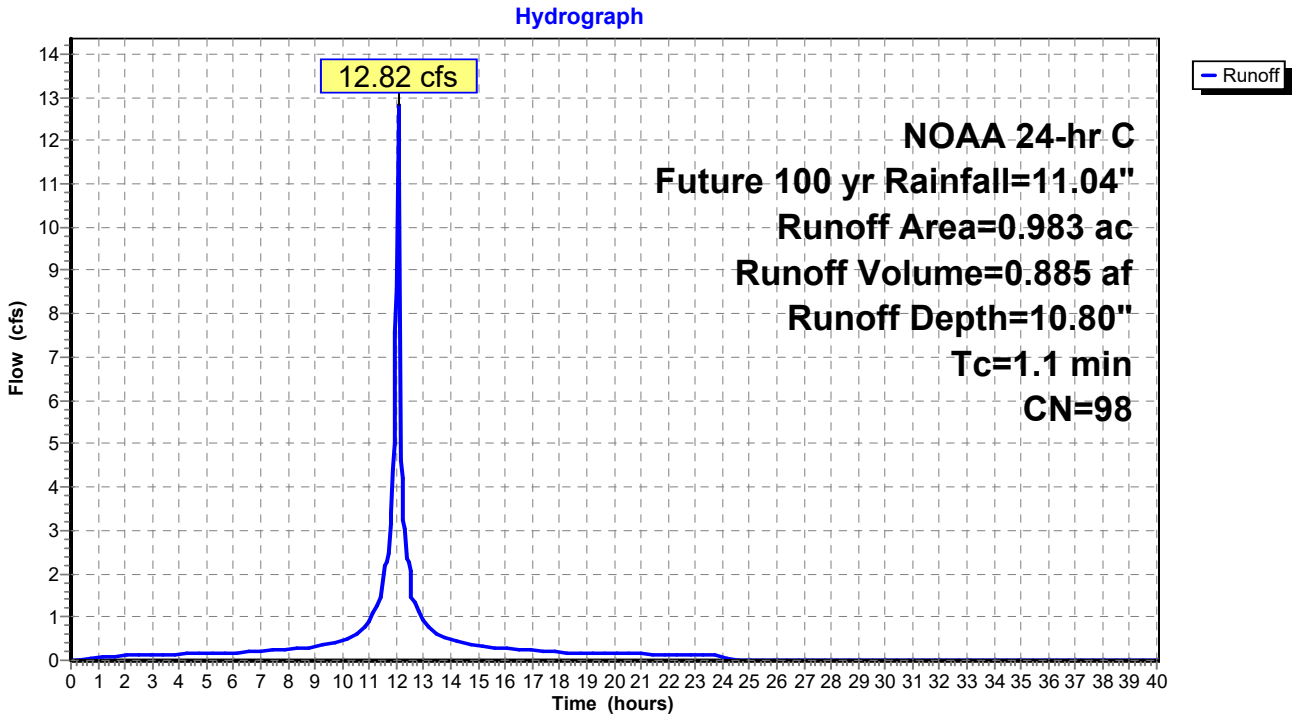
Runoff = 12.82 cfs @ 12.06 hrs, Volume= 0.885 af, Depth=10.80"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.886	98	Pavement, HSG C
*	0.097	98	Concrete, HSG C
	0.983	98	Weighted Average
	0.983		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7I: PDA-7 (impervious)



Hydrograph for Subcatchment 7I: PDA-7 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.12
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.12
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.12
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.12
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.12
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.12
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.12
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.12
0.40	0.05	0.00	0.01	3.00	0.39	0.22	0.12
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.13
0.50	0.06	0.00	0.02	3.10	0.40	0.23	0.13
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.13
0.60	0.07	0.00	0.03	3.20	0.42	0.25	0.13
0.65	0.08	0.01	0.03	3.25	0.43	0.25	0.13
0.70	0.08	0.01	0.04	3.30	0.43	0.26	0.13
0.75	0.09	0.01	0.04	3.35	0.44	0.27	0.13
0.80	0.10	0.01	0.04	3.40	0.45	0.27	0.13
0.85	0.10	0.01	0.05	3.45	0.46	0.28	0.13
0.90	0.11	0.02	0.05	3.50	0.46	0.29	0.13
0.95	0.11	0.02	0.05	3.55	0.47	0.29	0.13
1.00	0.12	0.02	0.06	3.60	0.48	0.30	0.13
1.05	0.13	0.03	0.06	3.65	0.49	0.31	0.14
1.10	0.13	0.03	0.06	3.70	0.49	0.31	0.14
1.15	0.14	0.03	0.07	3.75	0.50	0.32	0.14
1.20	0.15	0.04	0.07	3.80	0.51	0.33	0.14
1.25	0.15	0.04	0.07	3.85	0.52	0.33	0.14
1.30	0.16	0.04	0.07	3.90	0.52	0.34	0.14
1.35	0.16	0.05	0.08	3.95	0.53	0.35	0.14
1.40	0.17	0.05	0.08	4.00	0.54	0.35	0.14
1.45	0.18	0.05	0.08	4.05	0.55	0.36	0.14
1.50	0.18	0.06	0.08	4.10	0.56	0.37	0.14
1.55	0.19	0.06	0.08	4.15	0.56	0.38	0.14
1.60	0.20	0.07	0.09	4.20	0.57	0.38	0.14
1.65	0.20	0.07	0.09	4.25	0.58	0.39	0.15
1.70	0.21	0.08	0.09	4.30	0.59	0.40	0.15
1.75	0.22	0.08	0.09	4.35	0.60	0.41	0.15
1.80	0.22	0.09	0.09	4.40	0.60	0.41	0.15
1.85	0.23	0.09	0.10	4.45	0.61	0.42	0.15
1.90	0.24	0.10	0.10	4.50	0.62	0.43	0.15
1.95	0.24	0.10	0.10	4.55	0.63	0.44	0.15
2.00	0.25	0.11	0.10	4.60	0.64	0.44	0.15
2.05	0.26	0.11	0.10	4.65	0.64	0.45	0.15
2.10	0.26	0.12	0.10	4.70	0.65	0.46	0.15
2.15	0.27	0.12	0.10	4.75	0.66	0.47	0.15
2.20	0.28	0.13	0.11	4.80	0.67	0.47	0.15
2.25	0.28	0.13	0.11	4.85	0.68	0.48	0.15
2.30	0.29	0.14	0.11	4.90	0.69	0.49	0.15
2.35	0.30	0.14	0.11	4.95	0.69	0.50	0.16
2.40	0.30	0.15	0.11	5.00	0.70	0.51	0.16
2.45	0.31	0.15	0.11	5.05	0.71	0.51	0.16
2.50	0.32	0.16	0.11	5.10	0.72	0.52	0.16
2.55	0.33	0.17	0.11	5.15	0.73	0.53	0.16

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.16	7.80	1.27	1.05	0.25
5.25	0.74	0.55	0.16	7.85	1.28	1.07	0.25
5.30	0.75	0.55	0.16	7.90	1.30	1.08	0.26
5.35	0.76	0.56	0.16	7.95	1.31	1.09	0.26
5.40	0.77	0.57	0.16	8.00	1.32	1.11	0.26
5.45	0.78	0.58	0.16	8.05	1.34	1.12	0.26
5.50	0.79	0.59	0.16	8.10	1.35	1.13	0.26
5.55	0.80	0.59	0.16	8.15	1.36	1.15	0.27
5.60	0.80	0.60	0.16	8.20	1.38	1.16	0.27
5.65	0.81	0.61	0.17	8.25	1.39	1.17	0.27
5.70	0.82	0.62	0.17	8.30	1.40	1.19	0.27
5.75	0.83	0.63	0.17	8.35	1.42	1.20	0.28
5.80	0.84	0.64	0.17	8.40	1.43	1.21	0.28
5.85	0.85	0.64	0.17	8.45	1.45	1.23	0.28
5.90	0.86	0.65	0.17	8.50	1.46	1.24	0.28
5.95	0.87	0.66	0.17	8.55	1.48	1.26	0.28
6.00	0.87	0.67	0.17	8.60	1.49	1.27	0.29
6.05	0.88	0.68	0.17	8.65	1.51	1.29	0.29
6.10	0.89	0.69	0.17	8.70	1.52	1.30	0.29
6.15	0.90	0.70	0.18	8.75	1.54	1.32	0.29
6.20	0.91	0.71	0.18	8.80	1.55	1.33	0.29
6.25	0.92	0.71	0.18	8.85	1.57	1.35	0.30
6.30	0.93	0.72	0.18	8.90	1.58	1.36	0.30
6.35	0.94	0.73	0.19	8.95	1.60	1.38	0.30
6.40	0.95	0.74	0.19	9.00	1.61	1.39	0.31
6.45	0.96	0.75	0.19	9.05	1.63	1.41	0.32
6.50	0.97	0.76	0.19	9.10	1.64	1.42	0.32
6.55	0.98	0.77	0.20	9.15	1.66	1.44	0.33
6.60	0.99	0.78	0.20	9.20	1.68	1.46	0.34
6.65	1.00	0.79	0.20	9.25	1.70	1.47	0.35
6.70	1.01	0.80	0.20	9.30	1.72	1.49	0.36
6.75	1.02	0.81	0.20	9.35	1.73	1.51	0.37
6.80	1.03	0.82	0.20	9.40	1.75	1.53	0.37
6.85	1.04	0.83	0.21	9.45	1.77	1.55	0.38
6.90	1.05	0.84	0.21	9.50	1.79	1.57	0.39
6.95	1.07	0.85	0.21	9.55	1.81	1.59	0.40
7.00	1.08	0.87	0.21	9.60	1.83	1.61	0.40
7.05	1.09	0.88	0.22	9.65	1.85	1.63	0.42
7.10	1.10	0.89	0.22	9.70	1.88	1.65	0.42
7.15	1.11	0.90	0.22	9.75	1.90	1.67	0.43
7.20	1.12	0.91	0.22	9.80	1.92	1.69	0.44
7.25	1.13	0.92	0.23	9.85	1.94	1.72	0.45
7.30	1.15	0.93	0.23	9.90	1.97	1.74	0.45
7.35	1.16	0.94	0.23	9.95	1.99	1.76	0.47
7.40	1.17	0.96	0.23	10.00	2.01	1.79	0.47
7.45	1.18	0.97	0.24	10.05	2.04	1.81	0.48
7.50	1.19	0.98	0.24	10.10	2.06	1.84	0.49
7.55	1.21	0.99	0.24	10.15	2.09	1.86	0.50
7.60	1.22	1.00	0.24	10.20	2.11	1.89	0.50
7.65	1.23	1.02	0.25	10.25	2.14	1.91	0.52
7.70	1.24	1.03	0.25	10.30	2.17	1.94	0.52
7.75	1.26	1.04	0.25	10.35	2.19	1.97	0.53

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.54	13.00	8.39	8.15	0.96
10.45	2.25	2.02	0.55	13.05	8.43	8.19	0.87
10.50	2.28	2.05	0.56	13.10	8.48	8.24	0.86
10.55	2.31	2.08	0.61	13.15	8.52	8.28	0.81
10.60	2.34	2.11	0.62	13.20	8.56	8.32	0.79
10.65	2.37	2.14	0.67	13.25	8.60	8.36	0.74
10.70	2.41	2.18	0.69	13.30	8.63	8.39	0.73
10.75	2.44	2.21	0.74	13.35	8.67	8.43	0.68
10.80	2.48	2.25	0.75	13.40	8.70	8.46	0.67
10.85	2.52	2.29	0.80	13.45	8.73	8.49	0.62
10.90	2.56	2.33	0.81	13.50	8.76	8.52	0.60
10.95	2.61	2.38	0.86	13.55	8.79	8.55	0.55
11.00	2.65	2.42	0.88	13.60	8.82	8.58	0.55
11.05	2.70	2.47	0.98	13.65	8.85	8.61	0.54
11.10	2.75	2.52	1.00	13.70	8.87	8.63	0.53
11.15	2.80	2.57	1.10	13.75	8.90	8.66	0.52
11.20	2.86	2.63	1.12	13.80	8.93	8.69	0.52
11.25	2.92	2.69	1.21	13.85	8.95	8.71	0.50
11.30	2.98	2.75	1.24	13.90	8.98	8.74	0.50
11.35	3.05	2.82	1.33	13.95	9.00	8.76	0.49
11.40	3.12	2.89	1.35	14.00	9.03	8.79	0.48
11.45	3.19	2.96	1.42	14.05	9.05	8.81	0.47
11.50	3.26	3.03	1.56	14.10	9.07	8.83	0.47
11.55	3.37	3.14	2.19	14.15	9.10	8.86	0.46
11.60	3.49	3.25	2.23	14.20	9.12	8.88	0.45
11.65	3.60	3.37	2.32	14.25	9.14	8.90	0.44
11.70	3.72	3.49	2.48	14.30	9.16	8.92	0.43
11.75	3.88	3.65	3.17	14.35	9.19	8.95	0.42
11.80	4.04	3.81	3.41	14.40	9.21	8.97	0.42
11.85	4.27	4.03	4.40	14.45	9.23	8.99	0.41
11.90	4.49	4.25	5.00	14.50	9.25	9.01	0.40
11.95	4.88	4.64	7.57	14.55	9.27	9.03	0.39
12.00	5.26	5.02	8.56	14.60	9.29	9.05	0.39
12.05	5.91	5.67	**12.65**	14.65	9.31	9.07	0.37
12.10	6.55	6.31	11.26	14.70	9.32	9.08	0.37
12.15	6.77	6.53	4.60	14.75	9.34	9.10	0.36
12.20	7.00	6.76	4.21	14.80	9.36	9.12	0.35
12.25	7.16	6.92	3.22	14.85	9.38	9.14	0.34
12.30	7.32	7.08	3.03	14.90	9.40	9.15	0.34
12.35	7.44	7.20	2.34	14.95	9.41	9.17	0.32
12.40	7.55	7.31	2.31	15.00	9.43	9.19	0.32
12.45	7.67	7.43	2.21	15.05	9.44	9.20	0.31
12.50	7.78	7.54	2.07	15.10	9.46	9.22	0.31
12.55	7.85	7.61	1.44	15.15	9.47	9.23	0.30
12.60	7.92	7.68	1.41	15.20	9.49	9.25	0.30
12.65	7.99	7.75	1.34	15.25	9.50	9.26	0.30
12.70	8.06	7.82	1.32	15.30	9.52	9.28	0.30
12.75	8.12	7.88	1.22	15.35	9.53	9.29	0.29
12.80	8.18	7.94	1.20	15.40	9.55	9.31	0.29
12.85	8.24	8.00	1.10	15.45	9.56	9.32	0.29
12.90	8.29	8.05	1.08	15.50	9.58	9.34	0.29
12.95	8.34	8.10	0.99	15.55	9.59	9.35	0.29

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.28	18.20	10.20	9.96	0.17
15.65	9.62	9.38	0.28	18.25	10.21	9.97	0.17
15.70	9.64	9.39	0.28	18.30	10.22	9.98	0.17
15.75	9.65	9.41	0.28	18.35	10.23	9.99	0.17
15.80	9.66	9.42	0.28	18.40	10.24	9.99	0.17
15.85	9.68	9.44	0.27	18.45	10.24	10.00	0.17
15.90	9.69	9.45	0.27	18.50	10.25	10.01	0.17
15.95	9.70	9.46	0.27	18.55	10.26	10.02	0.17
16.00	9.72	9.48	0.27	18.60	10.27	10.03	0.17
16.05	9.73	9.49	0.26	18.65	10.28	10.04	0.17
16.10	9.74	9.50	0.26	18.70	10.29	10.05	0.17
16.15	9.76	9.52	0.26	18.75	10.30	10.05	0.17
16.20	9.77	9.53	0.26	18.80	10.30	10.06	0.17
16.25	9.78	9.54	0.25	18.85	10.31	10.07	0.17
16.30	9.80	9.55	0.25	18.90	10.32	10.08	0.17
16.35	9.81	9.57	0.25	18.95	10.33	10.09	0.17
16.40	9.82	9.58	0.25	19.00	10.34	10.10	0.17
16.45	9.83	9.59	0.25	19.05	10.35	10.11	0.17
16.50	9.85	9.60	0.24	19.10	10.35	10.11	0.16
16.55	9.86	9.62	0.24	19.15	10.36	10.12	0.16
16.60	9.87	9.63	0.24	19.20	10.37	10.13	0.16
16.65	9.88	9.64	0.24	19.25	10.38	10.14	0.16
16.70	9.89	9.65	0.24	19.30	10.39	10.15	0.16
16.75	9.91	9.66	0.23	19.35	10.40	10.15	0.16
16.80	9.92	9.68	0.23	19.40	10.40	10.16	0.16
16.85	9.93	9.69	0.23	19.45	10.41	10.17	0.16
16.90	9.94	9.70	0.23	19.50	10.42	10.18	0.16
16.95	9.95	9.71	0.22	19.55	10.43	10.19	0.16
17.00	9.96	9.72	0.22	19.60	10.44	10.20	0.16
17.05	9.97	9.73	0.22	19.65	10.44	10.20	0.16
17.10	9.99	9.74	0.22	19.70	10.45	10.21	0.16
17.15	10.00	9.76	0.22	19.75	10.46	10.22	0.16
17.20	10.01	9.77	0.21	19.80	10.47	10.23	0.16
17.25	10.02	9.78	0.21	19.85	10.48	10.24	0.16
17.30	10.03	9.79	0.21	19.90	10.48	10.24	0.16
17.35	10.04	9.80	0.21	19.95	10.49	10.25	0.16
17.40	10.05	9.81	0.21	20.00	10.50	10.26	0.16
17.45	10.06	9.82	0.20	20.05	10.51	10.27	0.15
17.50	10.07	9.83	0.20	20.10	10.52	10.27	0.15
17.55	10.08	9.84	0.20	20.15	10.52	10.28	0.15
17.60	10.09	9.85	0.20	20.20	10.53	10.29	0.15
17.65	10.10	9.86	0.19	20.25	10.54	10.30	0.15
17.70	10.11	9.87	0.19	20.30	10.55	10.31	0.15
17.75	10.12	9.88	0.19	20.35	10.55	10.31	0.15
17.80	10.13	9.89	0.19	20.40	10.56	10.32	0.15
17.85	10.14	9.90	0.18	20.45	10.57	10.33	0.15
17.90	10.15	9.91	0.18	20.50	10.58	10.34	0.15
17.95	10.16	9.92	0.18	20.55	10.58	10.34	0.15
18.00	10.17	9.92	0.18	20.60	10.59	10.35	0.15
18.05	10.17	9.93	0.18	20.65	10.60	10.36	0.15
18.10	10.18	9.94	0.18	20.70	10.61	10.37	0.15
18.15	10.19	9.95	0.18	20.75	10.61	10.37	0.15

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.15	23.40	10.97	10.73	0.12
20.85	10.63	10.39	0.15	23.45	10.97	10.73	0.12
20.90	10.64	10.39	0.15	23.50	10.98	10.74	0.12
20.95	10.64	10.40	0.14	23.55	10.99	10.74	0.12
21.00	10.65	10.41	0.14	23.60	10.99	10.75	0.12
21.05	10.66	10.42	0.14	23.65	11.00	10.76	0.12
21.10	10.66	10.42	0.14	23.70	11.00	10.76	0.12
21.15	10.67	10.43	0.14	23.75	11.01	10.77	0.11
21.20	10.68	10.44	0.14	23.80	11.01	10.77	0.11
21.25	10.69	10.45	0.14	23.85	11.02	10.78	0.11
21.30	10.69	10.45	0.14	23.90	11.03	10.78	0.12
21.35	10.70	10.46	0.14	23.95	11.03	10.79	0.14
21.40	10.71	10.47	0.14	24.00	**11.04**	**10.80**	0.11
21.45	10.71	10.47	0.14	24.05	11.04	10.80	0.00
21.50	10.72	10.48	0.14	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.14	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.14	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.14	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.14	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.14	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.14	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.13	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.13	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.13	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.13	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.13	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.13	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.13	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.13	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.13	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.13	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.13	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.13	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.13	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.13	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.13	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.13	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.13	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.13	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.12	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.12	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.12	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.12	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.12	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.12	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.12	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.12	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.12	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.12	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.12	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.12	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.12	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 7I: PDA-7 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 7P: PDA-7 (pervious)

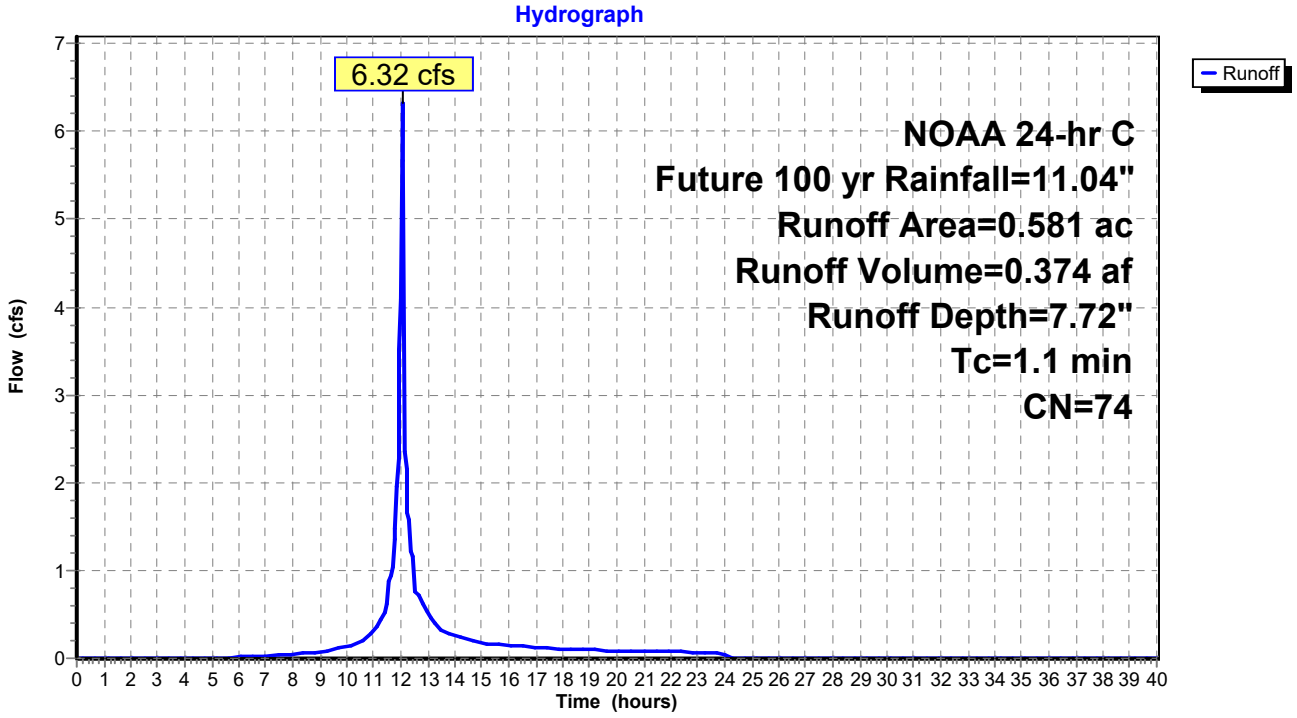
Runoff = 6.32 cfs @ 12.06 hrs, Volume= 0.374 af, Depth= 7.72"
Routed to Pond B-7 : Basin #7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.581	74	>75% Grass cover, Good, HSG C
0.581		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 7P: PDA-7 (pervious)



Hydrograph for Subcatchment 7P: PDA-7 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.04
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.04
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.04
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.04
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.04
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.04
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.05
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.05
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.05
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.05
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.05
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.05
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.05
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.05
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.05
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.06
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.06
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.06
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.06
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.06
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.06
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.06
6.30	0.93	0.01	0.01	8.90	1.58	0.18	0.06
6.35	0.94	0.02	0.01	8.95	1.60	0.18	0.07
6.40	0.95	0.02	0.01	9.00	1.61	0.19	0.07
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.07
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.07
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.08
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.08
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.08
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.08
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.09
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.09
6.85	1.04	0.03	0.02	9.45	1.77	0.25	0.09
6.90	1.05	0.03	0.02	9.50	1.79	0.26	0.10
6.95	1.07	0.03	0.02	9.55	1.81	0.27	0.10
7.00	1.08	0.04	0.02	9.60	1.83	0.28	0.10
7.05	1.09	0.04	0.02	9.65	1.85	0.28	0.11
7.10	1.10	0.04	0.03	9.70	1.88	0.29	0.11
7.15	1.11	0.04	0.03	9.75	1.90	0.30	0.11
7.20	1.12	0.04	0.03	9.80	1.92	0.31	0.12
7.25	1.13	0.05	0.03	9.85	1.94	0.32	0.12
7.30	1.15	0.05	0.03	9.90	1.97	0.33	0.12
7.35	1.16	0.05	0.03	9.95	1.99	0.34	0.13
7.40	1.17	0.05	0.03	10.00	2.01	0.36	0.13
7.45	1.18	0.06	0.03	10.05	2.04	0.37	0.14
7.50	1.19	0.06	0.03	10.10	2.06	0.38	0.14
7.55	1.21	0.06	0.03	10.15	2.09	0.39	0.14
7.60	1.22	0.07	0.03	10.20	2.11	0.40	0.15
7.65	1.23	0.07	0.04	10.25	2.14	0.42	0.15
7.70	1.24	0.07	0.04	10.30	2.17	0.43	0.15
7.75	1.26	0.08	0.04	10.35	2.19	0.44	0.16

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.16	13.00	8.39	5.28	0.51
10.45	2.25	0.47	0.17	13.05	8.43	5.32	0.46
10.50	2.28	0.49	0.17	13.10	8.48	5.36	0.46
10.55	2.31	0.50	0.19	13.15	8.52	5.39	0.43
10.60	2.34	0.52	0.20	13.20	8.56	5.43	0.42
10.65	2.37	0.54	0.22	13.25	8.60	5.46	0.40
10.70	2.41	0.56	0.22	13.30	8.63	5.50	0.39
10.75	2.44	0.58	0.24	13.35	8.67	5.53	0.36
10.80	2.48	0.60	0.25	13.40	8.70	5.56	0.36
10.85	2.52	0.62	0.27	13.45	8.73	5.59	0.33
10.90	2.56	0.64	0.27	13.50	8.76	5.61	0.32
10.95	2.61	0.67	0.30	13.55	8.79	5.64	0.30
11.00	2.65	0.69	0.31	13.60	8.82	5.67	0.30
11.05	2.70	0.72	0.34	13.65	8.85	5.69	0.29
11.10	2.75	0.75	0.36	13.70	8.87	5.71	0.29
11.15	2.80	0.79	0.39	13.75	8.90	5.74	0.28
11.20	2.86	0.82	0.41	13.80	8.93	5.76	0.28
11.25	2.92	0.86	0.45	13.85	8.95	5.79	0.27
11.30	2.98	0.90	0.46	13.90	8.98	5.81	0.27
11.35	3.05	0.94	0.50	13.95	9.00	5.83	0.26
11.40	3.12	0.98	0.52	14.00	9.03	5.85	0.26
11.45	3.19	1.03	0.55	14.05	9.05	5.88	0.25
11.50	3.26	1.08	0.62	14.10	9.07	5.90	0.25
11.55	3.37	1.15	0.87	14.15	9.10	5.92	0.25
11.60	3.49	1.23	0.90	14.20	9.12	5.94	0.24
11.65	3.60	1.31	0.96	14.25	9.14	5.96	0.24
11.70	3.72	1.39	1.04	14.30	9.16	5.98	0.23
11.75	3.88	1.51	1.35	14.35	9.19	6.00	0.23
11.80	4.04	1.63	1.48	14.40	9.21	6.02	0.23
11.85	4.27	1.79	1.95	14.45	9.23	6.04	0.22
11.90	4.49	1.96	2.27	14.50	9.25	6.06	0.22
11.95	4.88	2.27	3.51	14.55	9.27	6.07	0.21
12.00	5.26	2.57	4.08	14.60	9.29	6.09	0.21
12.05	5.91	3.11	**6.21**	14.65	9.31	6.11	0.20
12.10	6.55	3.65	5.67	14.70	9.32	6.13	0.20
12.15	6.77	3.85	2.35	14.75	9.34	6.14	0.19
12.20	7.00	4.04	2.16	14.80	9.36	6.16	0.19
12.25	7.16	4.18	1.66	14.85	9.38	6.17	0.18
12.30	7.32	4.32	1.58	14.90	9.40	6.19	0.18
12.35	7.44	4.43	1.22	14.95	9.41	6.21	0.18
12.40	7.55	4.53	1.21	15.00	9.43	6.22	0.17
12.45	7.67	4.63	1.16	15.05	9.44	6.23	0.17
12.50	7.78	4.73	1.09	15.10	9.46	6.25	0.17
12.55	7.85	4.79	0.76	15.15	9.47	6.26	0.16
12.60	7.92	4.86	0.74	15.20	9.49	6.28	0.16
12.65	7.99	4.92	0.71	15.25	9.50	6.29	0.16
12.70	8.06	4.98	0.70	15.30	9.52	6.30	0.16
12.75	8.12	5.03	0.65	15.35	9.53	6.32	0.16
12.80	8.18	5.09	0.64	15.40	9.55	6.33	0.16
12.85	8.24	5.14	0.59	15.45	9.56	6.34	0.16
12.90	8.29	5.19	0.58	15.50	9.58	6.36	0.16
12.95	8.34	5.23	0.53	15.55	9.59	6.37	0.16

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.15	18.20	10.20	6.93	0.10
15.65	9.62	6.40	0.15	18.25	10.21	6.94	0.10
15.70	9.64	6.41	0.15	18.30	10.22	6.95	0.10
15.75	9.65	6.42	0.15	18.35	10.23	6.96	0.09
15.80	9.66	6.44	0.15	18.40	10.24	6.97	0.09
15.85	9.68	6.45	0.15	18.45	10.24	6.97	0.09
15.90	9.69	6.46	0.15	18.50	10.25	6.98	0.09
15.95	9.70	6.47	0.15	18.55	10.26	6.99	0.09
16.00	9.72	6.49	0.15	18.60	10.27	7.00	0.09
16.05	9.73	6.50	0.14	18.65	10.28	7.01	0.09
16.10	9.74	6.51	0.14	18.70	10.29	7.01	0.09
16.15	9.76	6.52	0.14	18.75	10.30	7.02	0.09
16.20	9.77	6.54	0.14	18.80	10.30	7.03	0.09
16.25	9.78	6.55	0.14	18.85	10.31	7.04	0.09
16.30	9.80	6.56	0.14	18.90	10.32	7.04	0.09
16.35	9.81	6.57	0.14	18.95	10.33	7.05	0.09
16.40	9.82	6.58	0.14	19.00	10.34	7.06	0.09
16.45	9.83	6.59	0.13	19.05	10.35	7.07	0.09
16.50	9.85	6.60	0.13	19.10	10.35	7.08	0.09
16.55	9.86	6.62	0.13	19.15	10.36	7.08	0.09
16.60	9.87	6.63	0.13	19.20	10.37	7.09	0.09
16.65	9.88	6.64	0.13	19.25	10.38	7.10	0.09
16.70	9.89	6.65	0.13	19.30	10.39	7.11	0.09
16.75	9.91	6.66	0.13	19.35	10.40	7.11	0.09
16.80	9.92	6.67	0.13	19.40	10.40	7.12	0.09
16.85	9.93	6.68	0.12	19.45	10.41	7.13	0.09
16.90	9.94	6.69	0.12	19.50	10.42	7.14	0.09
16.95	9.95	6.70	0.12	19.55	10.43	7.14	0.09
17.00	9.96	6.71	0.12	19.60	10.44	7.15	0.09
17.05	9.97	6.72	0.12	19.65	10.44	7.16	0.09
17.10	9.99	6.73	0.12	19.70	10.45	7.17	0.09
17.15	10.00	6.74	0.12	19.75	10.46	7.17	0.09
17.20	10.01	6.75	0.12	19.80	10.47	7.18	0.09
17.25	10.02	6.76	0.11	19.85	10.48	7.19	0.09
17.30	10.03	6.77	0.11	19.90	10.48	7.20	0.09
17.35	10.04	6.78	0.11	19.95	10.49	7.20	0.09
17.40	10.05	6.79	0.11	20.00	10.50	7.21	0.09
17.45	10.06	6.80	0.11	20.05	10.51	7.22	0.08
17.50	10.07	6.81	0.11	20.10	10.52	7.23	0.08
17.55	10.08	6.82	0.11	20.15	10.52	7.23	0.08
17.60	10.09	6.83	0.11	20.20	10.53	7.24	0.08
17.65	10.10	6.84	0.11	20.25	10.54	7.25	0.08
17.70	10.11	6.85	0.11	20.30	10.55	7.25	0.08
17.75	10.12	6.86	0.10	20.35	10.55	7.26	0.08
17.80	10.13	6.87	0.10	20.40	10.56	7.27	0.08
17.85	10.14	6.87	0.10	20.45	10.57	7.28	0.08
17.90	10.15	6.88	0.10	20.50	10.58	7.28	0.08
17.95	10.16	6.89	0.10	20.55	10.58	7.29	0.08
18.00	10.17	6.90	0.10	20.60	10.59	7.30	0.08
18.05	10.17	6.91	0.10	20.65	10.60	7.30	0.08
18.10	10.18	6.92	0.10	20.70	10.61	7.31	0.08
18.15	10.19	6.92	0.10	20.75	10.61	7.32	0.08

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.08	23.40	10.97	7.65	0.07
20.85	10.63	7.33	0.08	23.45	10.97	7.65	0.06
20.90	10.64	7.34	0.08	23.50	10.98	7.66	0.06
20.95	10.64	7.34	0.08	23.55	10.99	7.66	0.06
21.00	10.65	7.35	0.08	23.60	10.99	7.67	0.06
21.05	10.66	7.36	0.08	23.65	11.00	7.67	0.06
21.10	10.66	7.36	0.08	23.70	11.00	7.68	0.06
21.15	10.67	7.37	0.08	23.75	11.01	7.69	0.06
21.20	10.68	7.38	0.08	23.80	11.01	7.69	0.06
21.25	10.69	7.38	0.08	23.85	11.02	7.70	0.06
21.30	10.69	7.39	0.08	23.90	11.03	7.70	0.07
21.35	10.70	7.40	0.08	23.95	11.03	7.71	0.08
21.40	10.71	7.40	0.08	24.00	**11.04**	**7.72**	0.06
21.45	10.71	7.41	0.08	24.05	11.04	7.72	0.00
21.50	10.72	7.42	0.08	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.08	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.08	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.08	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.08	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.08	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.08	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.07	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.07	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.07	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.07	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.07	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.07	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.07	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.07	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.07	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.07	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.07	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.07	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.07	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.07	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.07	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.07	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.07	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.07	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.07	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.07	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.07	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.07	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.07	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.07	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.07	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.07	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.07	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.07	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.07	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.07	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.07	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 7P: PDA-7 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 8I: PDA-8 (impervious)

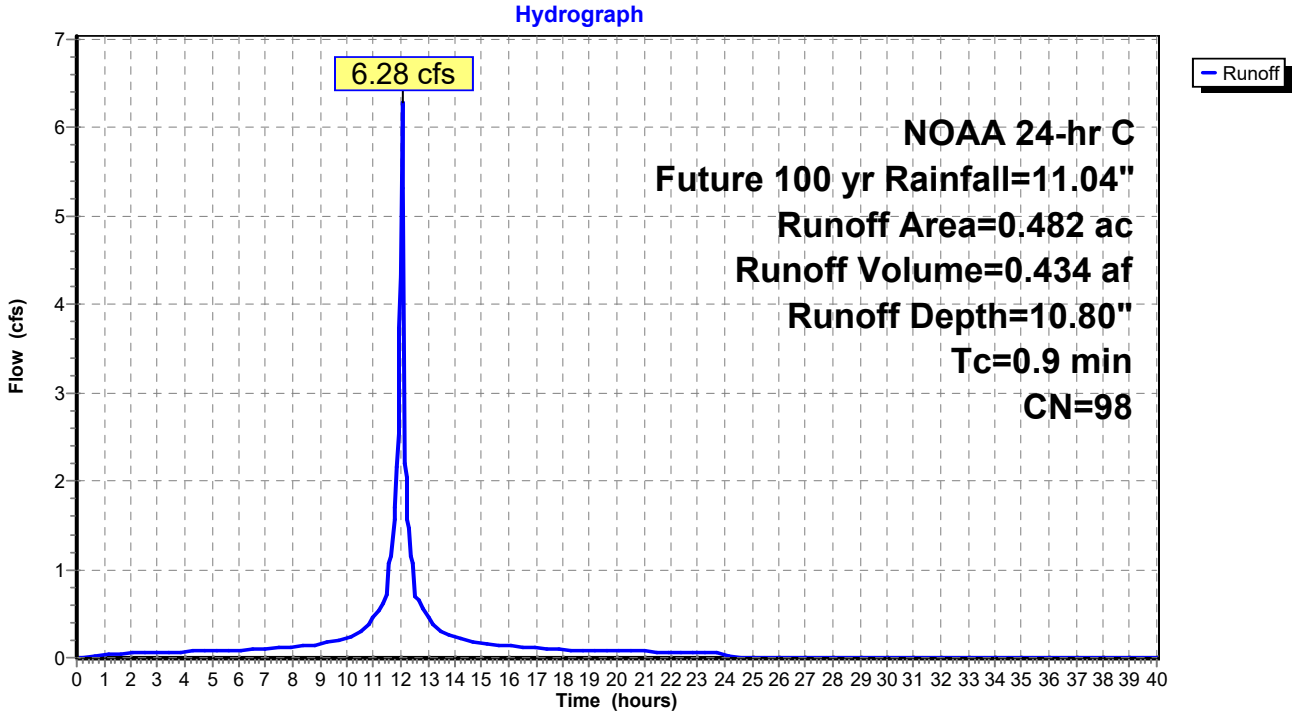
Runoff = 6.28 cfs @ 12.06 hrs, Volume= 0.434 af, Depth=10.80"
Routed to Pond B-8 : Basin #8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.000	98	Pavement, HSG C
*	0.482	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.482	98	Weighted Average
	0.482		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9					**Direct Entry,**

Subcatchment 8I: PDA-8 (impervious)



Hydrograph for Subcatchment 8I: PDA-8 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.06
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.06
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.06
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.06
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.06
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.06
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.06
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.06
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.06
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.06
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.06
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.06
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.06
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.06
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.06
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.06
0.80	0.10	0.01	0.02	3.40	0.45	0.27	0.06
0.85	0.10	0.01	0.02	3.45	0.46	0.28	0.07
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.07
0.95	0.11	0.02	0.03	3.55	0.47	0.29	0.07
1.00	0.12	0.02	0.03	3.60	0.48	0.30	0.07
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.07
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.07
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.07
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.07
1.25	0.15	0.04	0.04	3.85	0.52	0.33	0.07
1.30	0.16	0.04	0.04	3.90	0.52	0.34	0.07
1.35	0.16	0.05	0.04	3.95	0.53	0.35	0.07
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.07
1.45	0.18	0.05	0.04	4.05	0.55	0.36	0.07
1.50	0.18	0.06	0.04	4.10	0.56	0.37	0.07
1.55	0.19	0.06	0.04	4.15	0.56	0.38	0.07
1.60	0.20	0.07	0.04	4.20	0.57	0.38	0.07
1.65	0.20	0.07	0.04	4.25	0.58	0.39	0.07
1.70	0.21	0.08	0.04	4.30	0.59	0.40	0.07
1.75	0.22	0.08	0.05	4.35	0.60	0.41	0.07
1.80	0.22	0.09	0.05	4.40	0.60	0.41	0.07
1.85	0.23	0.09	0.05	4.45	0.61	0.42	0.07
1.90	0.24	0.10	0.05	4.50	0.62	0.43	0.07
1.95	0.24	0.10	0.05	4.55	0.63	0.44	0.07
2.00	0.25	0.11	0.05	4.60	0.64	0.44	0.07
2.05	0.26	0.11	0.05	4.65	0.64	0.45	0.07
2.10	0.26	0.12	0.05	4.70	0.65	0.46	0.07
2.15	0.27	0.12	0.05	4.75	0.66	0.47	0.08
2.20	0.28	0.13	0.05	4.80	0.67	0.47	0.08
2.25	0.28	0.13	0.05	4.85	0.68	0.48	0.08
2.30	0.29	0.14	0.05	4.90	0.69	0.49	0.08
2.35	0.30	0.14	0.05	4.95	0.69	0.50	0.08
2.40	0.30	0.15	0.05	5.00	0.70	0.51	0.08
2.45	0.31	0.15	0.05	5.05	0.71	0.51	0.08
2.50	0.32	0.16	0.06	5.10	0.72	0.52	0.08
2.55	0.33	0.17	0.06	5.15	0.73	0.53	0.08